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October 15, 1984

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# TOPICAL REPORT REVIEW STATUS

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UNITED STATES NUCLEAR REGULATORY COMMISSION

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# TOPICAL REPORT REVIEW STATUS

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**Prepared for: OFFICE OF NUCLEAR REACTOR REGULATION**

**Prepared by: OFFICE OF RESOURCE MANAGEMENT  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555**



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## PURPOSE AND FREQUENCY OF PUBLICATION

The Topical Report Review Status is scheduled to be published semi-annually. The primary purpose of this document is to provide periodic progress reports of on-going topical report reviews, to identify those topical reports for which the Nuclear Regulatory Commission (NRC) staff review has been completed and those which are under review and, to the extent practicable, to provide NRC management with sufficient information regarding the conduct of the topical report program to permit taking whatever actions are deemed necessary or appropriate. This document is also intended to be a source of information to NRC Licensing Project Managers and other NRC personnel regarding the status of topical reports which may be referenced in applications for which they have responsibility.

This status report is published primarily for internal NRC use in managing the topical report program, but is also available to the public.

The data base on topical report status has been updated. However, the staff would appreciate identification of any status errors or omissions of documents. Any questions or errors or omission of information should be addressed to the appropriate NRC Program Manager. [James L. Milhoan (Quality Assurance Branch) 301-492-9671 for quality assurance-related reports and David H. Moran (Standardization and Special Projects Branch) 301-492-9409 for all other reports].

**SECTION 1**



## NUCLEAR REGULATORY COMMISSION LICENSING TOPICAL REPORT PROGRAM DESCRIPTION

### 1. Purpose

The purpose of the Nuclear Regulatory Commission (NRC) Licensing Topical Report Program is to provide a procedure whereby industry organizations may, upon their own volition or at the request of the NRC staff, submit reports on specific "important-to-safety" subjects to the NRC and have them reviewed independently of any construction permit or operating license review. Due to current licensing review workload, topical reports are being reviewed only when directly referenced in or directly used in a licensing action such that the effort is required to complete the licensing action. However, exceptions to this policy may be permitted by the staff if adequately justified as discussed below. The purpose of this program is to minimize time and effort required of both industry and the NRC on subjects repeated in numerous licensing actions. It provides for a single review and approval with subsequent referencing, rather than repetitive reviews of the same item.

### 2. Topical Report Program Management

Two NRC Program Managers have been assigned to manage and coordinate the overall program; one Program Manager for quality assurance related reports and one Program Manager for all others. Each review branch with responsibility for the detailed technical review of a specific report assigns review specialists who report to their own management on the detailed technical review matters.

### 3. Procedures for Accepting New Topical Reports for Review

Reports presented for review under the topical report program are screened by the cognizant Program Manager in accordance with the following criteria. No new report submitted by any organization is to be accepted as a topical report unless the PM determines that it qualifies as such. In making such a determination all four of the following criteria should be met:

- (1) The report deals with a specific "important-to-safety" subject regarding a nuclear power plant that requires a safety assessment by the NRC staff, such as component design analytical models or techniques, or performance testing of components and/or systems which can be evaluated independently of any specific license application;
- (2) The report is, or is expected to be, referenced in a number of license or standardized reference design approval applications;
- (3) The report contains complete and detailed information on the specific subject presented. Conceptual or incomplete preliminary information will not be reviewed.

- (4) NRC approval of the report will result in increased efficiency of the review process for applications which reference the report.

Proposed topical reports addressing a new design or procedure not currently addressed in any license or standardized reference design approval application will require special consideration. In support of such a topical report the sponsoring organization must provide documentation from at least two potential applicants of their intent to reference the proposed topical report. This is required to demonstrate the intention of applicants to use the NRC staff review prior to the commitment of resources to perform the review. It is not the intent of the topical report program to provide engineering evaluations of feasibility, economics, or desirability of material submitted, which could directly or indirectly be used in sales promotion efforts.

Exceptions to these acceptance requirements may be permissible. These exceptions must be based on a staff decision that the evaluation of a proposed topical report is in the public interest. This would encompass a consideration of whether the evaluation would contribute to the formation of a broader base for resolution of a present or developing safety related subject generally evidenced by the experience from operating nuclear power plants. As an example, a proposed topical report on a new pump design might be accepted for review, if experience at operating nuclear power plants indicated that currently installed pumps might be expected to infringe on the margins of safety to an unacceptable degree, and the new pump design might reasonably be expected to remedy the problem.

These exceptions will include a determination that NRC staff resources expended in the review of the topical report will provide a foreseeable benefit equal to or greater than the impact from redirection and reduction of resources committed to other ongoing license actions, topical report reviews, or generic technical issues.

When an industry organization is planning a report which it believes can qualify as a topical report, it should contact the cognizant Program Manager well in advance of the planned submittal for discussion to determine whether the proposed report will satisfy the definition of a topical report and, if so, to clarify the requirements for preparing and submitting the report. A meeting might be appropriate to discuss these issues. The Program Manager, in consultation with the staff technical specialists and management, will make a timely determination on the qualifications of the proposed report. If the report qualifies as a topical, it may then be formally submitted for review.

The NRC staff may also identify the desirability for addressing an "important-to-safety" matter in a topical report. In such a case the PM will contact the industry organization and discuss the desirability of submitting the report. If the organization agrees to prepare such a report, it will formally submit the report for review.

Other types of reports, which do not meet the criteria for topical reports may be submitted as special reports. Special reports are assigned review fees on a basis different from that for topical reports. (See discussion topical reports fees.)

4. Handling of Company Proprietary Reports

When an industry organization submits a licensing topical report for NRC staff review pursuant to this NUREG and the submitter considers that portions of the submittal contain confidential business (proprietary) information, at least three copies of the submitted proprietary report must include explicit indication of the information considered proprietary. This indication may be done by the use of italics, margin-line or underscoring the text and figures within the body of the reports, indicating proprietary material location, or by some other method proposed by the submitting industrial organization and approved by the NRC Program Manger. Upon submittal of a properly marked and justified proprietary licensing topical report, (See 10 CFR 2.790) the NRC staff will make a proprietary determination and notify the submitter accordingly.

Normally submittal of a non-proprietary version of a proprietary topical report is not required until after completion of the staff review and acceptance for referencing. Should the need arise during the review to consider public disclosure in response to a Freedom of Information Act request, the staff will coordinate with the submitter to create a non-proprietary version of the report. The non-proprietary version must have continuity, i.e. the text must be readable and understandable.

5. Procedures for Submittal

Reports submitted under the Nuclear Regulatory Commission's licensing topical report program must be submitted under a letter of transmittal. The first paragraph of this letter of transmittal must include a statement that the applicant, is submitting a licensing topical report under the NRC topical report program for review and acceptance for referencing in licensing actions. This paragraph must specify the report identification symbol (See 5.2 below), the title and issue date. Reports should be addressed to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555; ATT. Chief Standardization and Special Projects Branch, except those related to Quality Assurance, which should be addressed to the attention of Chief, Quality Assurance Branch.

In addition, the letter of transmittal should include any pertinent schedule information available concerning the time-frame of the review and first referencing action. All correspondence with the NRC concerning topical reports or special reports should include the report identification number in the upper right corner of the letter of transmittal.

5.1 Number of Licensing Topical Report Copies Required

Licensing Topical Reports accepted for review may be submitted either in microfiche/hard copy or all hard copy. Submittals shall be in the following quantities with the understanding that additional copies will be made available to the staff upon request.

| <u>Report Classification</u>      | <u>Hard Copy</u> | <u>Microfiche/Hard Copy</u> |
|-----------------------------------|------------------|-----------------------------|
| Non-Proprietary Reports           | 23               | 1/3                         |
| Proprietary Reports Prop Version  | 23               | 1/3                         |
| NNon-Prop Version Upon Acceptance | 12               | 1/3                         |

These quantity requirements pertain to all review submittals including initial submittals, revisions, supplements, responses to requests for additional information, and NRC accepted versions.

If microfiche is used as a submittal medium it must conform to the following:

1. All source documents will be recorded on microfiche in the NMA Type 1 format (ANSI/NMA MS.5) consisting of 98 frames arranged in 7 rows and 14 columns.
2. The reduction ratio shall be 24:1.
3. The microfiche will be standard 148mm x 105mm.
4. The microfiche must be a negative appearing, silver-halide master copy or or a silver-halide duplicate copy placed in individual acid free envelopes.
5. Title information must be eye readable and contain at a minimum (1.) report number in upper left hand corner (2.) report title, centered (3.) date, below report number (4.) vendor name, right hand side.
6. Foldouts, if any, must be segmented and filmed in logical order.
7. The first frame shall be blank.
8. The second frame shall contain the resolution target. (NMS 1010A).
9. Any microfiche containing proprietary information will be submitted with the word PROPRIETARY under the report number on the left side of the header area. Each envelope containing proprietary microfiche shall, also, be marked with the word proprietary on its front side.
10. All microfiche submitted must have a clear or unstriped header or title area.

Any questions on the submittal of microforms to the NRC should be addressed to the NRC Records Management Analyst (Micrographics), Division of Technical Information and Document Control, Washington, D.C. 20555 (301-492-8137).

#### Report Identification

Each topical report shall have a unique alpha-numeric identification symbol for filing and reference purposes. The symbols can be specified at the discretion of the submitting organization. The report number or identifier, shall be typed in the upper right corner on the first page or cover page of all documents relating to the report.



Each organization submitting topical reports should coordinate with the NRC staff to ensure that the identification symbol it selects does not conflict with that of another organization. All proprietary reports shall include a -P or (P) following the identification symbol. Each non-proprietary version of proprietary report can have the same identification symbol; as the corresponding proprietary report except that it include an -NP or (NP) following the identification symbol. NRC approved versions of topical reports shall include an -A following the identification symbol (-P-A for proprietary reports).

All responses to NRC comments or requests for additional information regarding a specific topical report shall be identified by the symbol for that report followed by "Response to Comment" or Request for Additional Information by the NRC staff; or if appropriate, responses by an appendix or supplement to the original report. The use of an addenda is discouraged. It is possible that a response can only be accomplished by a revision to the original report. This is acceptable when appropriate. However each revision will constitute a new review with the old review closed out and any costs sustained may be billed as appropriate for the closed out review, unless special circumstances are involved and the staff makes arrangements in writing.

### 5.3 Correspondence

All correspondence regarding topical reports should be addressed to the Chief, Standardization & Special Projects Branch or Chief, Quality Assurance Branch, as appropriate, and must specifically identify the appropriate report identification symbol in the upper righthand corner.

### 5.4 Approved Version

Upon conclusion of the staff review in which a report is judged acceptable for referencing, the industry organization shall publish an approved version of its topical report which includes a copy of the staff evaluation transmittal letter and its enclosed evaluation report, which shall be inserted immediately following the title page (see also 5.2)

### 6. Requests for Additional Information During the Review Cycle

Requests for additional information and/or comments on a topical report under review can be handled either by a meeting or by letter. Written requests to an industry organization for additional information on topical reports will be transmitted by the Chief, Standardization and Special Projects Branch, or Chief, Quality Assurance Branch, as appropriate. As the industry organization provides answers to staff comments during the review, the responses shall be submitted as information supplementary to the original report. (Also see 5.2 above). Meeting with an industry organization to discuss the contents of a topical report will be scheduled by the PM or thereview branch, at the discretion of the PM.

### 7. Topical Report Evaluation

When a topical report is found to be acceptable for referencing, the extent of and the conditions for acceptance, if any, will be identified by letter transmitting the results of the evaluation. For proprietary reports, the transmittal letter will state that both proprietary and non-proprietary versions must be referenced in future license applications. The staff evaluation and letter of transmittal shall be incorporated in the accepted version of the reports when submitted as described in 5.4 above.

8. Public Document Room

All non-proprietary correspondence regarding the review of topical reports, and all non-proprietary topical reports and non-proprietary versions of proprietary reports will be placed in the NRC Public Document Room. Care will be taken by the industry organization and the staff to avoid using any information identified as proprietary by the industry organization in any of the above correspondence and in topical report evaluations. While topical reports are not placed in local PDRs, non-proprietary versions are available upon specific request.

9. Status Reports

Each industry organization submitting topical reports will be periodically advised of the review status of his reports by the appropriate PM. This is normally accomplished by providing the industry organization with a copy of NUREG-0390, but may also be done by other means at the discretion of the PM.

10. Guidance for Preparation of Topical Reports

Because of the diversity of the subject matter addressed by topical reports, it is not practical to prescribe a standard format for a report as a whole; however, certain minimum requirements should be met, as follows.

10.1 Abstract

The report must include an abstract not to exceed one page in length which summarizes the contents of the report and the conclusions reached. (Note: As stated in 5.4 above, for a report approved by the NRC, the staff evaluation letter of NRC approved reports is to be inserted immediately following the title page.)

10.2 Introduction

The report should have an introductory section which delineates the purpose of the report and clearly defines its scope and applicability. If there are any limitations or restrictions on the use of the report or its results or conclusions as determined by either the staff or the industry organization, these should also be listed in this section. The purpose of this information is to guide the users of the report.

10.3 References

The report should include a listing of all pertinent references.

#### 10.4 Body of Report

The body of the report may be organized according to the discretion of the industry organization to suit its needs and the subject matter of the report. It is recommended that long tabulations of data such as test results, computer program descriptions, detailed technical analyses or derivations and the like be included as appendices.

#### 11.0 Withdrawal of Topical Reports

With the passage of time, a specific topical report may become obsolete as determined by either the NRC staff or the industry organization because the report does not adequately address the current state of the technology; it is no longer applicable because NRC criteria or regulations have changed; or for other reasons. In this event, the industry organization may on its own volition request that the report be withdrawn, or the NRC staff may advise the industry organization to do so. On receipt of a letter from an industry organization requesting withdrawal of a specific topical report, the staff will categorize it as "withdrawn". Withdrawn reports are not acceptable as references in license applications. The report may be replaced by an updated or new topical report which has a new report identification symbol to avoid confusion with the withdrawn report.

#### 12.0 Revisions to Topical Reports

After a topical report has been found to be acceptable for referencing, the industry organization occasionally might need to revise portions of the report or add supplementary information to keep it up to date. This is different from the situation discussed in paragraph 11.0 above where the report has become obsolete and must be withdrawn.



A proposed revision to an approved report is submitted and reviewed by the staff in accordance with the same requirements and procedures as apply to a new topical report. The revision will have the same identification as the base report with the suffix "Revision 1 or 2", etc. When a revision to an accepted report is submitted for review, the "A" designation is not valid until the revision itself has been reviewed and accepted.

When the revised or supplementary material is determined by the staff to be acceptable for referencing the industry organization will submit the required number of complete new reports incorporating the revised or supplementary information. The revised report must contain a note on the cover page stating that it supersedes and replaces all earlier versions of the same numbered report. The superseded reports will not be returned to the industry organization.

### 13.0 Fees For Topical Report Reviews

In accordance with the revised fee schedule on 10 CFR Part 170, any topical report which was accepted for review by the staff on and after March 23, 1978 will be assessed a review fee, and, any topical reports submitted for review after June 20, 1984 must include a \$150 application fee with the submittal. Topical reports fall under the designation of Special Projects in the schedule of fees. The fee will be based on actual expenditures for professional manpower and appropriate support services. However, the maximum fee for review of a topical report shall not exceed \$20,000. The topical report applicant will be billed at six-month intervals, or upon completion of review, regardless of whether or not the report is found to be acceptable for referencing.

If the topical report is withdrawn before the staff review is completed, a fee will be assessed for actual expenditures to the time of withdrawal. Proposed revisions to topical reports which NRC considers to significantly alter the report scope will be assessed review fees as for a new topical report. The revision will be subject to a fee even though the original report might have been exempt. The maximum fee of \$20,000 applies both to withdrawn reports and revisions to approved reports. Reports which do not satisfy the definition of a topical report and are reviewed as Special Reports under 10 CFR 170.21 will be billed for actual review costs with no ceiling on the fee.

SECTION 2

GENERAL GUIDANCE FOR SCHEDULING TOPICAL REPORT  
REVIEWS AND USE OF THE TRR BOOK

NUREG 0390 is used for recording topical report review schedules and for identifying those reports for which the staff review has been completed. The following guidance should be used in order to achieve consistency within this NUREG. The meanings of the various data entries in this NUREG are provided on page 3-1 under system definitions.

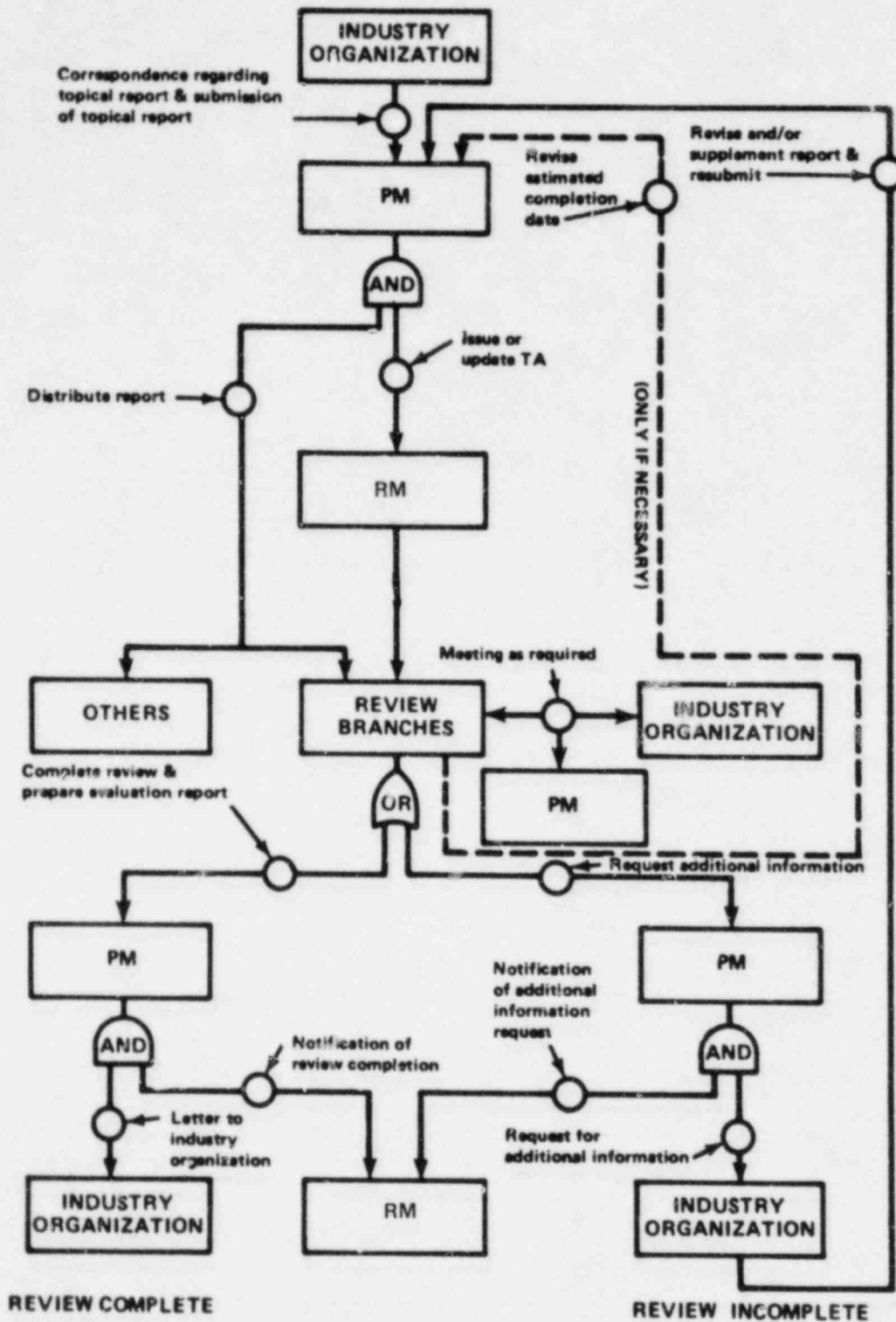
1. Upon receipt of a topical report and its distribution information, the Regulatory Commission Topical Report Program, the NRC (clear  
a Technical Assignment Control Form 197 for its review program  
Analysis Staff then assigns a TAC number. A copy of  
provided to the Office of Resource Management. The following  
is then entered into the computer data bank:

Industry Organization  
Report identification symbol  
Title of the report  
Requesting organization  
Requester  
Reviewer Name(s) and Branch if known at the time of publication.  
TAC number  
Report submittal date  
Requesting target date (The submitters required date based on licensing action  
schedule plus appropriate lead time.)  
Estimated completion date (The lead review branch safety evaluation report  
completion date.)

2. If a request for additional information is made, the date required by the review branch is provided by the NRC Program Manager to the Office of Resource Management for data bank update. The date of this request is entered under additional information request date on Form 197, "Technical Assignment Control Form" deleted. If the industry organization provides conflicting response dates, the NRC Program Manager reconciles the dates with both parties. When the staff completes its review and prepares an evaluation report, the Office of Resource Management is notified. The appropriate dates are entered under TR Comp (topical report completion date) Date and Let to Ind. Org. (Letter to Industrial Organization) and the acceptability or non-acceptability of the report is recorded. The data bank is updated upon acceptance, request for additional information, withdrawal or rejection of a report under review.

Upon receipt of a Safety Evaluation Report (SER) and transmittal memo from the Assistant Director to whom the lead review branch reports, the NRC Program Manager prepares an acceptance or other letter appropriate to the conclusions in the SER to be signed by the Chief, Standardization and Special Projects Branch (SSPB) or the Chief Quality Assurance Branch, as appropriate. The NRC Program Manager obtains the support contract identification number(s) and corresponding amount(s) of funds expended, if any. This data as well as TAC number, review start and completion dates are provided to the Management Branch for billing the submitters according to 10 CFR 170.23. It should be understood by submitters that reviewer requests for additional information are the staff's means to inform submitters of shortcomings in their topical reports submitted for review evaluation and approval. If the staff is unsuccessful in obtaining requested information, the NRC Program Manager will inform the submitter that the topical report is not acceptable for referencing in licensing actions and will request that the report be withdrawn. The submitter will then be billed for the review according to 10 CFR 170.23 in any case.

# TOPICAL REPORT REVIEW FLOW SHEET



SECTION 3



SYSTEM DEFINITIONS OF ABBREVIATIONS USED IN SECTION 4  
"TOPICAL REPORTS STATUS"

RI SYM; Stands for Report Identification Symbol

The alpha-numeric topical report identification symbol is unique to each report and each submitting organization. After the alpha-numeric identification eg, A-1 revisions or supplement numbers are listed, eg, A-1 rev. 1 or A-1 supplement 1 respectively. The term "revision" is preferred over the term amendment. The term supplement is preferred over the term addendum. Supplements are considered as stand-alone documents and will be reviewed separately from parent documents. It is also possible that supplements may require revision. Thus, it is possible to have a report identified as following:

A-1 Supplement 2 Rev 1.

The NRC will add (P) for proprietary or (NP) for non-proprietary at the end of the alpha-numeric identifier and revision number, if any, if the submitter has not already incorporated (P) or (NP) in the identification symbols. Upon acceptance of a topical report, the submitter is required to publish an accepted revision (see page 1 and include an "A" for accepted at the end of the alpha numeric identification symbol including revision or supplement identification. So it is possible to have identification symbols as follows:

A-1 rev 2 (P)A / A-1 rev 2 (NP)A or A-1 Supplement 1 (P)A/A-1 Supplement 1 (NP)A.

Proprietary and Non-Proprietary Topical Reports

a. Proprietary Reports

All accepted proprietary topical reports must be accompanied by a non-proprietary version, (see section 1, paragraph 4 of Program Description). The report identification symbol for the proprietary version is followed by (P) and that of the non-proprietary version by (NP). The proprietary and the non-proprietary versions are considered as a single topical report. All status entries in this NUREG are those of the proprietary revision since the review schedule of this version is controlling. For those reports where the proprietary and the non-proprietary versions have different identification symbols, the sequence of the report in any tabulation of reports is determined by the proprietary version symbol.

b. Non-Proprietary Reports

Non-proprietary topical reports, by definition, do not have a proprietary version. The notation (NP) therefore is redundant and may not print.

TITLE

The title of a topical report preferably appears as it is designated by the submitting industry organization. If abbreviations are used in order to fit the title and supplementary information within the allotted space in this NUREG (120 characters, including and spaces), these should be the minimum required to maintain understandability. No pertinent information should be deleted.

REQ ORG: Stands for Requesting Organization

The NRC organization which prepared the NRC form 197, "Technical Assignment Control Form" for the review of a particular topical report. It is normally the organization to which the responsible Program Manager is assigned.

REQUESTER

The requester is the Program Manager or his designee who is authorized to initiate a review for a particular topical report.

REVIEW BRANCH

The review branch or branches are indicated by the initials of the branch name. Up to fourteen review branches per topical report can be accommodated .

REVIEWER

A reviewer is the person responsible for performing the technical review of a topical report or of a portion thereof. Up to fourteen reviewers can be accommodated.



TAC NUMBER

This is an account number used to collect staff hours expended in the review process.  
It is an account number used to collect staff hours expended in the review process.  
"TAC" stands for Technical Assignment Control.

SUBMIT DATE

The date of the industry organization's letter of transmittal submitting the document for review.  
It is not the date on which the letter was received.

REQ TARG DATE: Stands for Requester Target Date

The date originally agreed to by the requester and the review branch(es) for completion of the review of the document identified.

EST COMP DATE: Stands for Estimated Completion Date

The reviewer's estimate as to when the review of a particular document will be completed. The estimated completion date is initially the same as the requested target date but may be changed for good and sufficient reasons after the review of a particular document is under way and the review branch finds that the requested target date cannot be met.

ADD INFO REQ DATE: Stands for Additional Information Request Date

The date on which additional information is requested of the industry organization is abbreviated as ADD INFO REQ DATE. This is either the date of an NRC letter requesting such additional information or the date of a meeting at which the request is made orally to the industry organization. In the latter case, the requests and/or understandings reached at the meeting are documented in the minutes of the meeting.

REV COMP DATE: Stands for Review Completion Date

The date on which the final technical review of a particular topical report is completed and an evaluation report forwarded to the appropriate NRC Program Manager. As a practical matter this is the date of the memorandum transmitting the acceptance with the review Safety Evaluation Report enclosed. The Safety Evaluation Report (SER) must be acceptable for transmission to the industry organization and must include a conclusion of acceptability or non-acceptability of the report for reference. A request for additional information transmittle date is not a technical review completion date.

LET TO IND ORG: Stands for Letter To Industrial Organization

The date of the NRC letter to the industry organization advising it of the acceptance or rejection of the topical report and transmitting the staff's safety evaluation report. This is called the Acceptance Letter.

REMARKS

Pertinent remarks pertaining to the topical report or its review are entered at the discretion of the requester (space limit 120 characters).

TOPICAL REPORT CATEGORIES

In Section 2 of this NUREG, topical reports for which the staff review has been completed are categorized as defined below:

NOT ACCEPTABLE (NOT ACCEPTED) means that the topical report has been reviewed by the staff and has been found not to be acceptable for reference.

ACCEPTABLE (ACCEPTED) means that the topical report has been reviewed by the staff and has been found to be acceptable for reference. The staff does not intend to repeat its review of the report when it appears as a reference in a particular license application.

WITHDRAWN means that the industry organization has requested that the topical report be withdrawn from further consideration by the staff. If the staff has not completed its review at the time of the request, the review will be terminated. If a topical report becomes obsolete after a period of time following staff acceptance of the report, it should also be withdrawn by the industry organization and recategorized from ACCEPTABLE (ACCEPTED) to WITHDRAWN. Withdrawn reports in the latter case may remain as acceptable references in previous license applications but are not acceptable for future applications.

SECTION 4



TOPICAL REPORT STATUS

AS OF 11/05/84  
PAGE: 4-2

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| INDUSTRY ORGANIZATION: AEROJET |  
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RI SYM: AECC-1 (P), AECC-1 (NP)                      SUBMIT DATE: 02-21-75      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 12-10-75  
TAC #: 01457  
TITLE: FLUID BED DRYER, AMEND. 3

REMARKS: PROPRIETARY AND NON-PROPRIETARY VERSION IS COMPLETE

RI SYM: AECC-2 (P), AECC-2 (NP)

TITLE: AEROJET TOPICAL REPORT: RADIOACTIVE WASTE - VOLUME REDUCTION SYSTEM

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER       | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>METB     | MORAN<br>HAYES | DKM<br>JGH  | 05368         | 10-24-79       |                  |                  | 04-28-82             |                  |

REMARKS: REC'D 10/6/82 AMEND #1 RESPONSE TO RFAI'S 1 & 2 (P) & (NP)

RI SYM: AECC-3 (P), AECC-3 (NP)

TITLE: TR "RADIOACTIVE WASTE VOLUME REDUCTION SYSTEM"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 47499         | 12-21-81       |                  |                  |                      |                  |

REMARKS: REVIEW, COMMENT, ANALYZE FOR PROP WITHHOLDING PREPARE SER

TOPICAL REPORT STATUS

AS OF 11/05/84  
PAGE: 4-3

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| INDUSTRY ORGANIZATION: AIR PRODUCTS & CHEMICALS |  
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RI SYM: APCI-73-10 (P), APCI-74-4 (NP)      SUBMIT DATE: 04-30-75      CONCLUSION: NOT ACCEPTED      LETTER TO IND ORG: 09-24-75  
TAC #: 00896  
TITLE: A GENERIC DESCRIPTION OF A CATALYTIC RECOMBINER SYSTEM FOR POST-LOCA COMBUSTIBLE GAS CONTROL, AMEND. 1, AMEND. 2

REMARKS:  
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TOPICAL REPORT STATUS

AS OF 11/05/84  
PAGE: 4-4

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| INDUSTRY ORGANIZATION: ALLIS-CHALMERS POWER SYSTEMS |  
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RI SYM: ER-503 (NP)

TITLE: TURBINE MISSILE ANALYSIS, AMEND 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | R. BAER   | SSPB             | MORAN    | DKM         | 03220         | 12-16-75       |                  |                  |                      |                  |

REMARKS: REVIEW IS INACTIVE.

RI SYM: ER-504 (NF)

TITLE: PROBABILITY OF TURBINE MISSILES

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | R. BAER   | SSPB             | MORAN    | DKM         | 03219         | 12-16-75       |                  |                  |                      |                  |

REMARKS: REVIEW IS INACTIVE.





TOPICAL REPORT STATUS

AS OF 11/05/84  
PAGE: 4-6

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| INDUSTRY ORGANIZATION: ANACONDA COMPANY |  
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RI SYM: AWC-75-A (NP)                      SUBMIT DATE: 12-19-80      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 03-20-81  
TAC #: 09074  
TITLE: ANACONDA CO--WIRE & CABLE DIV, QA MANUAL FOR GENERATING STATION CABLE - REV 3

REMARKS:  
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T O P I C A L R E P O R T S T A T U S

AS OF 11/05/84  
PAGE: 4-7

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| INDUSTRY ORGANIZATION: ARKANSAS POWER |  
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RI SYM: APL-TOP-1A (NP)                      SUBMIT DATE: 06-11-79      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 05-05-80  
TAC #: 09004  
TITLE: QUALITY ASSURANCE MANUAL--OPERATIONS--REV 5

REMARKS:  
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TOPICAL REPORT STATUS

AS OF 11/05/84  
PAGE: 4-8

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| INDUSTRY ORGANIZATION: ASSOCIATED TECHNOLOGIES INC. |  
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RI SYM: ATI-VR-001 (P), (NP)

TITLE: ATI VOLUME REDUCTION AND BITUMEN SOLIDIFICATION SYSTEM RECIEVED FOR REVIEW

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER     | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB<br>METB     | MORAN<br>LEE | DKM<br>JYL  | 51439         | 02-15-83       |                  |                  |                      |                  |

REMARKS: ATI VOLUME REDUCTION AND BITUMEN SOLIDIFICATION SYSTEM@  
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TOPICAL REPORT STATUS

AS OF 11/05/84  
PAGE: 4-9

| INDUSTRY ORGANIZATION: ATCOR ENGINEERED SYSTEMS INC. |

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RI SYM: ATC-132A (P), ATC-132A (NP)      SUBMIT DATE: 04-24-79      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 09-03-81  
TAC #: 05003  
TITLE: ATCOR, RADIOACTIVE WASTE SOLIDIFICATION SYSTEM

REMARKS: ACCEPTED "A" VERSION DTD JANUARY 1982

RI SYM: ATC-80191N(P) (P), ATC-80191N (NP)  
TITLE: TR "ATCOR LIQUID VOLUME REDUCTION PROCESS PREPARE SER

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER     | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>METB     | MORAN<br>LEE | DXM<br>JYL  | 48562         | 06-11-82       |                  |                  | 11-08-82             |                  |

REMARKS: RFAI #1 PREPARE SER



TOPICAL REPORT STATUS

AS OF 11/05/84  
PAGE: 4-11

INDUSTRY ORGANIZATION: BABCOCK & WILCOX

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|   |                       |                      |                             |
|---|-----------------------|----------------------|-----------------------------|
| RI SYM: BAW-10000A (NP)<br>TAC #: 04030<br>TITLE: CORRELATION OF CRITICAL HEAT FLUX IN A BUNDLE COOLED BY PRESSURIZED WATER   | SUBMIT DATE: 03-00-70 | CONCLUSION: ACCEPTED | LETTER TO IND ORG: 04-15-76 |
| REMARKS: ACCEPTED VERSION DATED 5/76  |                       |                      |                             |
| RI SYM: BAW-10001A (NP)<br>TAC #: 03804<br>TITLE: INCORE INSTRUMENTATION TEST PROGRAM   | SUBMIT DATE: 08-00-70 | CONCLUSION: ACCEPTED | LETTER TO IND ORG: 02-12-73 |
| REMARKS: ACCEPTED VERSION DATED 2/73  |                       |                      |                             |
| RI SYM: BAW-10003A (NP)<br>TAC #: 01044<br>TITLE: QUALIFICATION TESTING OF PROTECTION SYSTEM INSTRUMENTATION, REV. 4  | SUBMIT DATE: 04-14-75 | CONCLUSION: ACCEPTED | LETTER TO IND ORG: 10-10-75 |
| REMARKS: ACCEPTED W/RESTRICTIONS RELATED TO AS-INSTALLED EQUIPMENT CONDITIONS; ACCEPTED VERSION DATED 1/76  |                       |                      |                             |
| RI SYM: BAW-10006 (NP)<br>TAC #: 00102<br>TITLE: REACTOR VESSEL MATERIAL SUPVEILLANCE, REV. 3   | SUBMIT DATE: 10-03-73 | CONCLUSION: ACCEPTED | LETTER TO IND ORG: 01-15-75 |
| REMARKS:  |                       |                      |                             |
| RI SYM: BAW-10008 (NP)<br>TAC #: 03803<br>TITLE: REACTOR INTERNALS STRESS AND DEFLECTION DUE TO LOCA AND MAXIMUM HYPOTHETICAL EARTHQUAKE, PART 1, REV. 1                    | SUBMIT DATE: 06-00-70 | CONCLUSION: ACCEPTED | LETTER TO IND ORG: 09-28-72 |
| REMARKS:  |                       |                      |                             |
| RI SYM: BAW-10010 (NP)<br>TAC #: 03802<br>TITLE: STABILITY MARGIN FOR XENON OSCILLATIONS, PARTS 1 AND 2   | SUBMIT DATE: 02-00-70 | CONCLUSION: ACCEPTED | LETTER TO IND ORG: 12-29-70 |
| REMARKS:  |                       |                      |                             |
| RI SYM: BAW-10013A (NP)<br>TAC #: 03801<br>TITLE: STUDY OF INTERGRANULAR SEPARATIONS IN LOW-ALLOY HEAT AFFECTED ZONES UNDER AUSTENITIC STAINLESS STEEL WELD CLADDING, REV 1 | SUBMIT DATE: 12-00-71 | CONCLUSION: ACCEPTED | LETTER TO IND ORG: 10-11-72 |
| REMARKS: ACCEPTED VERSION DATED 10/72   |                       |                      |                             |

TOPICAL REPORT STATUS

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| INDUSTRY ORGANIZATION: BABCOCK & WILCOX |  
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RI SY: BAW-10016 (NP)

TITLE: ANALYSIS OF ANTICIPATED TRANSIENTS WITHOUT TRIP

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR4       | J. WILSON | SSPB             | MORAN    | DKM         | 00160         | 09-01-72       |                  |                  |                      |                  |

REMARKS: TO BE REVIEWED CONCURRENTLY WITH BAW-10099. SEE TAR NO. LW23-1338.

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RI SYM: BAW-10017 (P), BAW-10017 (NP)      SUBMIT DATE: 05-00-70      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 09-08-72  
TAC #: 03800  
TITLE: STABILITY AND COMPATIBILITY OF SODIUM THIOSULPHATE SPRAY SOLUTION, REV. 1

REMARKS:

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RI SYM: BAW-10019 (NP)      SUBMIT DATE: 09-04-70      CONCLUSION: NOT ACCEPTED      LETTER TO IND ORG: 06-16-75  
TAC #: 01411  
TITLE: SYSTEMATIC FAILURE STUDY OF REACTOR PROTECTION SYSTEMS

REMARKS: B&W REQUESTED RECONSIDERATION 7/29/75

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RI SYM: BAW-10021 (NP)      SUBMIT DATE: 04-00-70      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-29-70  
TAC #: 03799  
TITLE: TEMP - THERMAL ENTHALPY MIXING PROGRAM

REMARKS:

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RI SYM: BAW-10024 (NP)      SUBMIT DATE: 01-00-71      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 09-08-72  
TAC #: 03798  
TITLE: EFFECTIVENESS OF SODIUM THIOSULFATE SPRAYS FOR IODINE REMOVAL

REMARKS:

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RI SYM: BAW-10025 (P), BAW-10025 (NP)      SUBMIT DATE: 06-30-78      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 04-11-84  
TAC #: 04284  
TITLE: REACTOR VESSEL MODEL FLOW TESTS FOR 205-FA CORE, REV. 1

REMARKS: REV 1 SUBMITTED 6/30/78 - REVISION 1 ACCEPTED FOR REFERENCING 4/11/84

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RI SYM: BAW-10026 (P), BAW-10026 (NP)      SUBMIT DATE: 12-15-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 11-23-82  
TAC #: 03272  
TITLE: REACTOR VESSEL MODEL FLOW TESTS FOR 145-FUEL ASSEMBLY CORE

REMARKS: WITHHOLDING APPROVED 7/22/77



TOPICAL REPORT STATUS

AS OF 11/05/84  
PAGE: 4-13

INDUSTRY ORGANIZATION: BABCOCK & WILCOX

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RI SYM: BAW-10027 (NP) SUBMIT DATE: 09-00-72 CONCLUSION: ACCEPTED LETTER TO IND ORG: 03-24-72  
TAC #: 03797  
TITLE: ONCE THROUGH STEAM GENERATOR RESEARCH AND DEVELOPMENT REPORT

REMARKS:

RI SYM: BAW-10027S (NP)  
TITLE: ONCE THROUGH STEAM GENERATOR RESEARCH AND DEVELOPMENT REPORT - INTEGRAL ECONOMIZER OTSG, SUPPL. 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR4       | J. WILSON | SSPB             | MORAN    | DKM         | 00109         | 03-05-75       |                  |                  | 10-14-75             |                  |

REMARKS: CORRECTS CONTENT OF ITEM 10 IN SEPT 21, 1976 RESPONSE SUBMITTAL

RI SYM: BAW-10029A (NP) SUBMIT DATE: 12-16-75 CONCLUSION: ACCEPTED LETTER TO IND ORG: 02-25-76  
TAC #: 00457  
TITLE: CONTROL ROD DRIVE MECHANISM TEST PROGRAM, REV. 3

REMARKS: ACCEPTED VERSION DATED 3/76

RI SYM: BAW-10033 (NP) SUBMIT DATE: 10-06-76 CONCLUSION: WITHDRAWN LETTER TO IND ORG: 08-02-74  
TAC #: 00149  
TITLE: DECAY HEAT PEAKING

REMARKS:

RI SYM: BAW-10035-A (NP) SUBMIT DATE: 12-00-72 CONCLUSION: ACCEPTED LETTER TO IND ORG: 01-29-75  
TAC #: 00513  
TITLE: FUEL ASSEMBLY STRESS AND DEFLECTION ANALYSIS FOR LOSS-OF-COOLANT ACCIDENT AND SEISMIC EXCITATION, REV. 1

REMARKS: ACCEPTED VERSION DATED 1/75

RI SYM: BAW-10036 (NP) SUBMIT DATE: 01-00-72 CONCLUSION: ACCEPTED LETTER TO IND ORG: 02-21-73  
TAC #: 03796  
TITLE: CORRELATION OF CRITICAL HEAT FLUX IN A BUNDLE COOLED BY PRESSURIZED WATER

REMARKS:

RI SYM: BAW-10037 (NP) SUBMIT DATE: 11-00-72 CONCLUSION: ACCEPTED LETTER TO IND ORG: 12-19-72  
TAC #: 03795  
TITLE: REACTOR VESSEL MODEL FLOW TEST, REV. 2

REMARKS:





TOPICAL REPORT STATUS

AS OF 11/05/84  
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| INDUSTRY ORGANIZATION: BABCOCK & WILCOX |  
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RI SYM: BAW-10061 (P), BAW-10061 (NP)      SUBMIT DATE: 06-01-73      CONCLUSION: NOT ACCEPTED      LETTER TO IND ORG: 01-23-75  
TAC #: 01048  
TITLE: THREE-DIMENSIONAL POWER DISTRIBUTION ANALYSIS

REMARKS:

RI SYM: BAW-10062A (NP)      SUBMIT DATE: 10-19-73      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 01-08-76  
TAC #: 01657  
TITLE: MULTINODE ANALYSIS OF SMALL BREAKS FOR B&W'S 145 - FUEL ASSEMBLY NUCLEAR PLANTS WITH INTERNALS VENT VALVES, REV 1

REMARKS: B&W DOCUMENTATION OF INFORMAL RESPONSES TO RAI'S. PROVIDED IN BAW-10104, REV. 1

RI SYM: BAW-10064 (NP)      SUBMIT DATE: 04-00-73      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-17-73  
TAC #: 00453  
TITLE: MULTINODE ANALYSIS OF CORE FLOODING LINE BREAK FOR B&W 2568MW'S INTERNAL VENT VALVE PLANTS

REMARKS: EVALUATION IN THE OCONEE 2/3 SER

RI SYM: BAW-10065 (NP)

TITLE: TR "MULTINODE ANALYSIS OF B&W 205 FUEL ASSEMBLY (MARK DESIGN) NUCLEAR PLANTS DURING LOCA"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 43399         | 06-20-73       |                  |                  |                      |                  |

REMARKS: SUPPLEMENT 1 SUBMITTED 8/31/73

RI SYM: BAW-10067 (NP)      SUBMIT DATE: 12-04-74      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 05-04-76  
TAC #: 01036  
TITLE: CONTAINMENT ISOLATION VALVES, REV. 2

REMARKS: REPORT HAS BEEN WITHDRAWN 5/4/76.

RI SYM: BAW-10068 (NP)      SUBMIT DATE: 06-00-73      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 11-08-73  
TAC #: 00553  
TITLE: KAPF-4 DIGITAL COMPUTER PROGRAM FOR SOLUTION OF REACTOR KINETICS AND PRIMARY SYSTEM PRESSURE RESPONSE

REMARKS:

RI SYM: BAW-10069A (P), BAW-10069 (NP)      SUBMIT DATE: 07-20-73      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 09-20-74  
TAC #: 00567  
TITLE: RADAR - REACTOR THERMAL AND HYDRAULIC ANALYSIS DURING REACTOR FLOW COASTDOWN, REV 1

REMARKS:

TOPICAL REPORT STATUS

AS OF 11/05/84  
PAGE: 4-17

INDUSTRY ORGANIZATION: BABCOCK & WILCOX

RI SYM: BAW-10070 (NP)

TITLE: POWER TRAIN - GENERAL HYBRID SIMULATION FOR REACTOR COOLANT AND SECONDARY SYSTEM TRANSIENT RESPONSE

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR4       | J. WILSON | SSPB<br>RSB      | MORAN<br>JENSEN | DKM<br>WLJ  | 00565         | 12-05-75       |                  |                  | 04-04-79             | 11-28-83         |

REMARKS: SEE BAW-10149

RI SYM: BAW-10071A (NP)

TAC #: 00564

TITLE: SPLIT-DIGITAL STEADY STATE FLOW DISTRIBUTION CODE FOR VARIOUS PRIMARY SYSTEM COMBINATIONS

REMARKS: ACCEPTED VERSION DATED 9/74

SUBMIT DATE: 07-00-73

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 07-30-74

RI SYM: BAW-10072A (NP)

TAC #: 01027

TITLE: SAVER - DIGITAL COMPUTER CODE TO DETERMINE PRESSURE DROPS

REMARKS: ACCEPTED VERSION DATED 9/75

SUBMIT DATE: 07-13-73

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 07-30-75

RI SYM: BAW-10073A (NP)

TAC #: 01026

TITLE: PUMF-ANALOG-HYBRID REACTOR COOLANT HYDRAULIC TRANSIENT MODEL, REV 1

REMARKS: ACCEPTED VERSION DATED 3/76

SUBMIT DATE: 08-26-75

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 12-22-75

RI SYM: BAW-10074A (NP)

TAC #: 01658

TITLE: MULTINODE ANALYSIS OF SMALL BREAKS FOR B&W'S 205 - FUEL ASSEMBLY NUCLEAR PLANTS WITH INTERNALS VENT VALVES, REV 1

REMARKS: B&W DOCUMENTATION OF INFORMAL RESPONSES TO RAI'S. PROVIDED IN BAW-10104, REV. 1 ACCEPTED VERSION DATED 3/76

SUBMIT DATE: 11-19-73

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 01-08-76

RI SYM: BAW-10075A (NP)

TAC #: 03787

TITLE: MULTINODE ANALYSIS OF SMALL BREAKS FOR B&W'S 177-FUEL ASSEMBLY NUCLEAR PLANTS, ETC.--REV. 1

REMARKS: ACCEPTED VERSION DATED 3/76

SUBMIT DATE: 10-00-75

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 01-08-76

RI SYM: BAW-10076A (P), BAW-10080A (NP)

TAC #: 00909

TITLE: CADD - COMPUTER APPLICATION TO DIRECT DIGITAL SIMULATION OF TRANSIENTS IN WATER REACTORS, REV. 2

REMARKS: REC BAW-10076-A (P) REV 2 & BAW-10080(NP) REV 1 LTR DATED 30 MAY 75; ACCEPTED VERSION DATED 12/74

SUBMIT DATE: 09-17-74

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 12-10-74



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RI SYM: BAW-10078 (P), BAW-10079 (NP)      SUBMIT DATE: 09-28-73      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 08-26-74  
TAC #: 00605  
TITLE: BAW-10078 "OPERATIONAL PARAMETERS FOR B&W RODDED PLANTS"

REMARKS:

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RI SYM: BAW-10081 (NP)      SUBMIT DATE: 02-27-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 08-29-74  
TAC #: 00935  
TITLE: CALCULATION OF MAXIMUM FUEL ENTHALPY DURING ROD EJECTION ACCIDENT

REMARKS: ACCEPTED VERSION DATED 8/74

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RI SYM: BAW-10082-REV2 (P), (NP)

TITLE: TR "ENVIRONMENTAL QUALIFICATION OF CLASS IE CONTROL AND INSTRUMENTATION EQUIPMENT", REV 2

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 43237         | 11-20-80       |                  |                  |                      |                  |

REMARKS: REV, COMMENT & PREP SER - REV 2 SUPERCEDES BAW-10082-1, -2, & -3 THIS TAC SUPERCEDES 01420, 01768, 03348

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RI SYM: BAW-10082-1 (NP)      SUBMIT DATE: 07-05-77      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 11-20-80  
TAC #: 01420  
TITLE: SEISMIC QUALIFICATION METHODS

REMARKS: SUPERCEDED BY BAW 10082 TAC 43237

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RI SYM: BAW-10082-2 (NP)      SUBMIT DATE: 07-05-77      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 11-20-80  
TAC #: 01768  
TITLE: ENVIRONMENTAL QUALIFICATION

REMARKS: SUPERCEDED BY BAW-10082 TAC 43237

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RI SYM: BAW-10082-3 (NP)      SUBMIT DATE: 07-05-77      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 11-20-80  
TAC #: 03348  
TITLE: COMPOSITE TEST METHODS FOR CLASS IE INSTRUMENTATION AND CONTROL EQUIPMENT (DRAFT)

REMARKS: SUPERCEDED BY BAW-10082 TAC 43237

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RI SYM: BAW-10083A (P), BAW-10083A-REV1 (NP)      SUBMIT DATE: 04-28-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-16-77  
TAC #: 01620  
TITLE: BABCOCK & WILCOX MODEL FOR PREDICTING IN-REACTOR DENSIFICATION, REV 1

REMARKS: ACCEPTED VERSION DATED 7/77 WITHHOLDING APPROVED 5/16/77

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RI SYM: BAW-10084 (P), BAW-10084 (NP)

TITLE: TR "PROGRAM TO DETERMINE IN REACTOR PERFORMANCE OF B&W FUELS - CLADDING CREEP COLLAPSE" REV 3

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 46774         | 01-13-81       |                  |                  |                      |                  |

REMARKS: REVIEW, COMMENT AND PREPARE SER

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RI SYM: BAW-10084A (P), BAW-10084A (NP)      SUBMIT DATE: 01-13-81      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-19-78

TAC #: 04312

TITLE: PROGRAM TO DETERMINING IN-REACTOR PERFMNCE OF B&W FUELS, REV1 AND REV2

REMARKS: WITHHOLDING APPROVED 9/15/77

RI SYM: BAW-10085 (P), (NP)

TITLE: TR "REACTOR PROTECTION SYSTEM", REV 6

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER       | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | ICB<br>SSPB      | JOYCE<br>MORAN | JXJ<br>DKM  | 43400         | 04-12-79       |                  |                  |                      | 10-19-84         |

REMARKS: REVISION 6 OF VOL 1&2 & NON PROPRIETARY; WITHHOLDING APPROVED 8/12/77

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RI SYM: BAW-10087-A-REV2 (P), BAW-10087-A-REV1 SUBMIT DATE: 09-15-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-16-77

TAC #: 01825

TITLE: TACO-FUEL PIN PERFORMANCE ANALYSIS REV 2

REMARKS: ACCEPTED VERSIONS (NP) REV1 & (P)REV2 DATED AUG '77 WITHHOLDING APPROVED 7/22/77

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RI SYM: BAW-10091 (P), BAW-10091 (NP)      SUBMIT DATE: 08-05-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-18-75

TAC #: 01062

TITLE: B&W'S ECCS EVALUATION MODEL REPORT WITH SPECIFIC APPLICATION TO 177 FA CLASS PLANT WITH LOWERED LOOP ARRANGEMENT & APP B

REMARKS: APPB IS PROPRIETARY; PROPRIETARY RECOGNIZED 6/18/77

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RI SYM: BAW-10091S (NP)      SUBMIT DATE: 01-15-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-18-75

TAC #: 03788

TITLE: SUPPORT DOC FOR B&W ECCS EVAL MODEL REPORT W/SPECIFIC APPL TO 177 FA CLASS PLANTS W/LOWERED LOOP ARRANG, SUPP. 1

REMARKS:



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RI SYM: BAW-10092(P) (P), BAW-10092-REV2 (NP) SUBMIT DATE: 04-15-75 CONCLUSION: ACCEPTED LETTER TO IND ORG: 06-18-75  
TAC #: 01042  
TITLE: CRAFT 2-FORTRAN PROGRAM FOR DIGITAL SIMULATION OF A MULTINODE REACTOR PLANT DURING A LOSS OF COOLANT ACCIDENT, REV. 1

REMARKS:

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RI SYM: BAW-10093 (NP) SUBMIT DATE: 07-23-74 CONCLUSION: ACCEPTED LETTER TO IND ORG: 06-18-75  
TAC #: 01041  
TITLE: REFLOOD - DESCRIPTION OF MODEL FOR MULTINODE CORE REFLOODING ANALYSES

REMARKS:

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RI SYM: BAW-10094 (NP) SUBMIT DATE: 04-15-75 CONCLUSION: ACCEPTED LETTER TO IND ORG: 06-18-75  
TAC #: 01040  
TITLE: BABCOCK & WILCOX REVISIONS TO THETA 1-B, A COMPUTER CODE FOR NUCLEAR REACTOR CORE THERMAL ANALYSIS-IN-1445

REMARKS: BAW 10094 REV 2 REC'D 8/16/77. REFERENCED IN ACCEPTED BAW-10104

RI SYM: BAW-10094 (NP)

TITLE: TR "B&W REVISIONS TO THETA 1 - B, A COMPUTER CODE FOR NUCLEAR REACTOR CORE THERMAL ANALYSIS - REV 3"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER      | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|---------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SPB        | BERGGREN  | SSPB<br>CPB      | MORAN<br>HSII | DKM<br>YBH  | 43841         | 04-23-81       |                  |                  |                      |                  |

REMARKS: REVIEW COMMENT & PREPARE SER

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RI SYM: BAW-10095-REV1A (P), BAW-10095 (NP) SUBMIT DATE: 08-05-74 CONCLUSION: ACCEPTED LETTER TO IND ORG: 02-13-78  
TAC #: 01066  
TITLE: CONTEMPT-COMPUTER PROGRAM PREDICTING CONTAINMENT PRESSURE: TEMPERATURE RESPONSE TO A LOSS OF COOLANT ACCIDENT, REV. 1

REMARKS: REV 1 ACCEPTED 2/13/78; ACCEPTED VERSION DATED 4/78

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RI SYM: BAW-10097A (P), BAW-10097A (NP) SUBMIT DATE: 08-06-75 CONCLUSION: ACCEPTED LETTER TO IND ORG: 11-26-75  
TAC #: 01092  
TITLE: MARK C (17X17) FUEL ASSEMBLY - RESEARCH AND DEVELOPMENT, REV. 2

REMARKS: B&W IS REQUIRED TO PROVIDE SEMIANNUAL R&D STATUS REPORTS

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RI SYM: BAW-10098 (P), BAW-10098 (NP)

TITLE: CADD5-COMPUTER APPLICATION TO DIRECT DIGITAL SIMULATION OF TRANSIENTS IN PWRs WITH OR WITHOUT SCRAM, REV. 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE     |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|------------------|----------------------|----------------------|
| LWR4       | J. WILSON | SSPB<br>KSB      | MORAN<br>JENSEN | DKM<br>WLJ  | 01348         | 05-23-75       |                  |                  | 04-21-76             | 08-31-83<br>08-31-83 |

REMARKS: REVIEW TIED TO B&W ATWS REVIEW. REV 1 SUBMITTED 12/20/77 WITHHOLDING APPROVED 9/16/77

RI SYM: BAW-10099 (NP)

TITLE: BABCOCK & WILCOX ANTICIPATED TRANSIENTS WITHOUT SCRAM ANALYSIS, REV 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR4       | J. WILSON | SSPB             | MORAN    | DKM         | 01338         | 05-02-75       |                  |                  |                      |                  |

REMARKS: REC'D REV 1 MAY 15, 1977

RI SYM: BAW-10100A (P), BAW-10100 (NP)      SUBMIT DATE: 11-01-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 02-19-75

TAC #: 01231

TITLE: REACTOR VESSEL MATERIAL SURVEILLANCE PROGRAM-COMPLIANCE WITH 10 CFR 50, APPENDIX H, FOR OCONEE CLASS REACTORS

REMARKS:

RI SYM: BAW-10101 (P), BAW-10101 (NP)

TITLE: ANTICIPATED TRANSIENTS WITHOUT SCRAM PROGRAM-COMMON MODE FAILURE ANALYSIS OF CONTROL ROD DRIVE MECHANISMS, REV. 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR4       | J. WILSON | MEB<br>SSPB      | CHERNY<br>MORAN | FCC<br>DKM  | 01758         | 10-15-75       |                  |                  |                      |                  |

REMARKS:

RI SYM: BAW-10102 (NP)      SUBMIT DATE: 06-13-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 09-05-78

TAC #: 01677

TITLE: ECCS EVALUATION OF B&W'S 205 - FA NSS, REV. 1 & REV 2

REMARKS: ACCEPTANCE SUBJECT TO STIPULATIONS NOTED IN EVALUATION.

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RI SYM: BAW-10103A (NP)                      SUBMIT DATE: 09-11-75      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 02-18-77  
TAC #: 01706  
TITLE: ECCS ANALYSIS OF B&W'S 177-FA LOWERED LOOP NSSS, REV. 3

REMARKS: REVISIONS DATED 7/18/78 AND 8/11/78 UNDER REVIEW. ACCEPTED VERSION DTD JULY 77

RI SYM: BAW-10104A (NP)                      SUBMIT DATE: 05-29-75      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 09-05-78  
TAC #: 01653  
TITLE: B&W'S ECCS EVALUATION MODEL, REV. 4

REMARKS: REV 2 NOT YET ACCEPTED

RI SYM: BAW-10105 (P), BAW-10105 (NP)  
TITLE: "ECCS EVALUATION OF B&W 177 FA RAISED LOOP NSS", REV 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| DPM        |           | SSPB             | MORAN    | DKM         | 03810         | 06-12-75       |                  |                  | 01-28-76             |                  |

REMARKS: REV 1 PAGES SUBMITTED 6/25/75

RI SYM: BAW-10106A (NP)                      SUBMIT DATE: 05-08-75      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 12-24-75  
TAC #: 01621  
TITLE: QUENCH-DIGITAL PROGRAM FOR ANALYSIS OF CORE THERMAL TRANSIENTS DURING A LOSS-OF-COOLANT ACCIDENT

REMARKS: ACCEPTED VERSION DATED 3/76

RI SYM: BAW-10108A (P), BAW-10108A (NP)                      SUBMIT DATE: 08-08-75      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 11-07-75  
TAC #: 01846  
TITLE: QUALIFICATION OF SUBMERGED-ARC NARROW STRIP CLADDING PROCESS

REMARKS: BAW-10108 NP REC'D 8/26/75. APPROVED VERSIONS DATED MARCH 1976

RI SYM: BAW-10109 (NP)  
TITLE: HYTRAN- HYDRAULIC TRANSIENT CODE FOR INVESTIGATION OF CHANNEL FLOW STABILITY

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR4       | J. WILSON | CPB<br>SSPB      | PHILLIPS<br>MORAN | LEP<br>DKM  | 03621         | 02-05-76       |                  |                  | 06-03-76             |                  |

REMARKS:



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RI SYM: BAW-10118A (NP) SUBMIT DATE: 10-13-77 CONCLUSION: ACCEPTED LETTER TO IND ORG: 09-25-79  
TAC #: 04762  
TITLE: CORE CALCULATIONAL TECHNIQUES & PROCEDURES

REMARKS: ACCEPTED VERSION BAW-10118-A-A NP SUBMITTED 01/24/80 & DATED 12/79

RI SYM: BAW-10119A (P), BAW-10119A (NP) SUBMIT DATE: 07-05-77 CONCLUSION: ACCEPTED LETTER TO IND ORG: 11-29-78  
TAC #: 04629  
TITLE: POWER PEAKING NUCLEAR RELIABILITY FACTORS

REMARKS: ACCEPTED VERSION BAW-10119-A (P) & BAW-10119-A(NP) SUBMITTED 2/79 & DATED 2/79 WITHHOLDING APPR 12/20/77

RI SYM: BAW-10120A (P), BAW-10120A (NP) SUBMIT DATE: 03-14-78 CONCLUSION: ACCEPTED LETTER TO IND ORG: 06-14-79  
TAC #: 04901  
TITLE: COMPARISON OF CORE PHYSICS CODES WITH MEASUREMENTS

REMARKS: ACCEPTED VERSIONS BAW 10120 A (P) & BAW 10120 A(NP) SUBMITTED 08/07/79 & DATED 7/79 WITHHOLDING APPR 6/14/79

RI SYM: BAW-10121 (P), BAW-10121 (NP)

TITLE: RPS LIMITS AND SETPOINTS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH   | REVIEWER                | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMF<br>DATE |
|------------|-----------|--------------------|-------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR4       | J. WILSON | SSPB<br>CPB<br>CPB | MORAN<br>BROOKS<br>HSII | DKM<br>WXB<br>YBH | 04845         | 02-27-78       |                  |                  |                      |                  |

REMARKS:

RI SYM: BAW-10122 (NP) SUBMIT DATE: 04-30-82 CONCLUSION: ACCEPTED LETTER TO IND ORG: 04-20-84  
TAC #: 48394  
TITLE: TR "NORMAL OPERATING CONTROLS, REV1"

REMARKS: REVIEW COMMENT & PREPARE SER

RI SYM: BAW-10122A (P), (NP) SUBMIT DATE: 08-04-78 CONCLUSION: ACCEPTED LETTER TO IND ORG: 09-14-79  
TAC #: 05032  
TITLE: NORMAL OPERATING CONTROLS

REMARKS: ACCEPTED VERSION 10122A(NP) SUBMITTED 11/30/79

RI SYM: BAW-10123 (NP) SUBMIT DATE: 02-20-78 CONCLUSION: ACCEPTED LETTER TO IND ORG: 06-19-80  
TAC #: 04844  
TITLE: NUCLEAR APPLICATION SOFTWARE PACKAGE

REMARKS:





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RI SYM: BAW-10129 (NP)

TITLE: LYNX 1 CODE

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR4       | J. WILSON | CPB<br>SSPB      | PHILLIPS<br>MORAN | LEP<br>DKM  | 04339         | 03-05-81       |                  | 09-30-81         | 11-16-81             |                  |

REMARKS: ISS REQ NO. 2 FOR ADDL INFO RESPONSE DTD 7/8/82 TO RFAI2

RI SYM: BAW-10130 (NP)

TITLE: LYNX 2 CODE

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR4       | J. WILSON | SSPB             | MORAN    | DKM         | 04338         | 03-05-81       |                  |                  | 11-16-81             |                  |

REMARKS: ISS REQ #2 FOR ADDL INFO; RECD RESP DTD 7/8/82 TO RFAI 2

RI SYM: BAW-10131 (NP)

TITLE: REACTOR COOLANT SYSTEM STRUCTURAL LOADING ANALYSIS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR4       | THOMAS    | MEB<br>SSPB      | HARTZMAN<br>MORAN | MYH<br>DKM  | 04387         | 12-06-76       |                  |                  | 11-22-77             |                  |

REMARKS: RESP TO QUESTIONS SUBMITTED 4/18/78

RI SYM: BAW-10132A (P), BAW-10132A (NP)      SUBMIT DATE: 03-04-77      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 10-31-78  
TAC #: 04509  
TITLE: HYDRODYNAMIC LOADING DURING LOCA

REMARKS: ACCEPTED VERSION BAW-10132-P-A SUPPL. 1 SUBMITTED 7/20/79 & DATED 5/79 WITHHOLDING APPROVED 9/16/77

RI SYM: BAW-10133 (P), BAW-10133 (NP)      SUBMIT DATE: 05-31-79      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 10-13-82  
TAC #: 04734  
TITLE: MARK C FUEL ASSEMBLY - LOCA - SEISMIC ANALYSES, REV. 1

REMARKS: RESPONSE TO REQ #2 FOR ADD INFO RECD DATED 2/15/82



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RI SYM: BAW-10135 (NP)

TITLE: LOCA MASS & ENERGY RELEASE FOR CONTAINMENT DESIGN, REV 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER         | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR4       | J WILSON  | CSB<br>SSPB      | TINKLER<br>MORAN | CGT<br>DKM  | 04826         | 02-03-78       |                  |                  |                      |                  |

REMARKS: REV 1 CHANGE PAGES SUBMITTED 4/23/79

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RI SYM: BAW-10139 (P), BAW-10139 (NP)      SUBMIT DATE: 01-30-78      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 12-10-80  
TAC #: 04811  
TITLE: STATISTICAL CORE DESIGN

REMARKS: SUPERCEDED BY BAW-10145(P)

RI SYM: BAW-10140 (P), BAW-10140 (NP)

TITLE: VIBRATION ANAL. MEASUREMENT & INSPECTION PROGRAMS FOR PROTOTYPE REACTOR INTERNALS FOR B&W 205 FUEL

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER     | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR4       | WILSON    | MEB<br>SSPB      | HOU<br>MORAN | SXH<br>DKM  | 05157         | 02-01-79       |                  |                  | 07-06-81             |                  |

REMARKS:

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RI SYM: BAW-10141 (P), BAW-10141 (NP)      SUBMIT DATE: 01-31-79      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 04-13-83  
TAC #: 05156  
TITLE: TACO 2 - FUEL PIN PERFORMANCE ANALYSIS

REMARKS: RECD RESPONSE DTD 4/8/82 TO RFAI 1

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RI SYM: BAW-10143 (P), BAW-10143 (NP)      SUBMIT DATE: 09-22-81      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-01-84  
TAC #: 43441  
TITLE: "BWC CORRELATION OF CRITICAL HEAT FLUX GEOMETRY ROD BUNDLES"GEOMETRY ROD BUNDLES"

REMARKS: RESPONSE DATED 9/8/82 TO RFAI; REC'D RESPONSE DATED 11/18/81 TO NRC INQUIRY

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RI SYM: BAW-10144A (NP)      SUBMIT DATE: 03-04-80      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-17-79  
TAC #: 43440  
TITLE: EVALUATION OF THE ATYPICAL WELDMENT

REMARKS: REVIEWEED AS BAW 1566 ACCEPTED VERSION DATED 2/80

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| INDUSTRY ORGANIZATION: BABCOCK & WILCOX |

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RI SYM: BAW-10145 (P), BAW-10145 (NP)

TITLE: TR "STATISTICAL CORE DESIGN APPLIED TO BABCOCK-205 CORE"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERRGREN  | SSPB             | MORAN    | DKM         | 43323         | 12-10-80       |                  | 09-30-81         | 09-24-81             |                  |

REMARKS: RESPONSE DATED 8/25/82 TO RFAI #1

RI SYM: BAW-10146 (NP)

TITLE: DETERMINATION OF MINIMUM REQUIRED TUBE WALL THICKNESS FOR 177-FA ONCE-THROUGH STEAM GENERATORS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 43211         | 11-11-80       |                  |                  |                      |                  |

REMARKS: REVIEW PREPARE QUESTIONS/COMMENTS AND PREPARE SER

RI SYM: BAW-10147 (P), BAW-10147 (NP)      SUBMIT DATE: 06-28-83      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 02-15-83  
TAC #: 43753  
TITLE: TR "FUEL ROD BOWING IN BABCOCK & WILCOX FUEL DESIGNS"

REMARKS: RESPONSE DATED 8/3/81 TO REQUEST #1 RECEIVED 8/18/81. ISSUED REQ #2 FOR ADDL INFO RECD RESP TO RFA1 1 & 2

RI SYM: BAW-10148 (NP)

TITLE: TR "REFLOD - 3 - MODEL FOR MULTINODE CORE REFLOODING ANALYSIS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH   | REVIEWER                    | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|--------------------|-----------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>RSB<br>RSB | MORAN<br>LAUBEN<br>LANGFORD | DKM<br>HGL<br>DEL | 46576         | 06-19-81       |                  |                  |                      |                  |

REMARKS: REVIFW, COMMENT & PREPARE SER; WILL UPON ACCEPTANCE REPLACE BAW 10093

RI SYM: BAW-10149,REV.1 (NP)      SUBMIT DATE: 08-17-81      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 11-28-83  
TAC #: 46937  
TITLE: TR "POWER TRAIN - HYBRID COMPUTER SIMULATION OF A BABCOCK & WILCOX NUCLEAR POWER PLANT", REV 1

REMARKS: REVIEW COMMENT & PREPARE SER IN SUPPORT OF MIDLAND LICENSE SCHEDULE REQUIREMENT. REV 1 SUBMITTED 11/10/81

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RI SYM: BAW-10151A (P), BAW (NP)                      SUBMIT DATE: 12-02-81      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 11-10-81  
TAC #: 42967  
TITLE: TR"CONTROL ROD GUIDE TUBE WEAR MEASUREMENT PROGRAM"

REMARKS: SUPERSEDES BAW-01623 WITHOUT CHANGE; ACCEPTED VERSION DATED 12/81

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RI SYM: BAW-10154 (P), (NP)

TITLE: TR "B & W'S SMALL BREAK LOCA ECCS EVALUATION MODEL"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH   | REVIEWER               | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|--------------------|------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>RSB<br>CPB | MORAN<br>THROM<br>GILL | DKM<br>EXT<br>ABG | 49162         | 11-01-82       |                  |                  |                      |                  |

REMARKS: REVIEW COMMENT & PREPARE SER

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RI SYM: BAW-1781P (P), (NP)

TITLE: BABCOCK & WILCOX MARK-BZ FUEL ASSEMBLY DESIGN REPORT

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH                                   | REVIEWER  | REV<br>INIT  | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|--|---|--|---------------|----------------|------------------|------------------|----------------------|------------------|
| ORB4       | KADAMBI   | ORB4<br>ORB4<br>ORB4<br>ORB4<br>DOSI<br>CPB<br>CPB | VISSING<br>VAN-VLIET<br>NICOLARAS<br>KADAMBI<br>SILVER<br>MEYER<br>WU<br>HSII | GSV<br>JBV<br>HBN<br>NCK<br>HAS<br>ROM<br>SDW<br>YBH | 52534         |                |                  |                  |                      |                  |

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| INDUSTRY ORGANIZATION: BABCOCK & WILCOX |  
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RI SYM: BAW-1808 (NP)

TITLE: B&W OWNERS GRP MATLS COMM TOPICAL REPT "BABCOCK & WILCOX J-R TEST PROCED FOR COMPACT FRACTURE TOUGHNESS SPECIMENS"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH     | REVIEWER                   | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|----------------------|----------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB<br>ORB4<br>MTEB | MORAN<br>KADAMBI<br>ELLIOT | DKM<br>NCK<br>BJE | 52680         | 11-02-83       |                  |                  |                      | 08-17-84         |

REMARKS:

RI SYM: BAW10092P (P), (NP)

TITLE: TR"CRAFT-2 FORTRAN PROGRAM FOR DIGITAL SIMULATION OF A MULTINODE REACTOR PLANT DURING LOSS OF COOLANT REV3

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH   | REVIEWER               | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|--------------------|------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>RSB<br>CPB | MORAN<br>THROM<br>GILL | DKM<br>EXT<br>ABG | 49159         | 11-01-82       |                  |                  |                      |                  |

REMARKS:

RI SYM: BAW10150 (NP)  
TAC #: 48069

SUBMIT DATE: 03-01-82 CONCLUSION: ACCEPTED LETTER TO IND ORG: 08-29-83

TITLE: TR "CONTROL ROD ASSEMBLY EJECTION - ANALYSIS OF CRA EJECTION ACCIDENT IN B&W PRESSURIZED WATER REACTORS"

REMARKS: RECD 9/3/82 RESPONSE TO RFAI #1

RI SYM: BAW10153(P) (P), (NP)

TITLE: BAW 10153(P) "EXTENDED BURNUP EVALUATION."

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER           | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB      | MORAN<br>DUNENFELD | DKM<br>MSD  | 48917         | 09-30-82       |                  |                  |                      |                  |

REMARKS: REVIEW COMMENT & PREPARE SER

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| INDUSTRY ORGANIZATION: BABCOCK & WILCOX |  
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RI SYM: BAW10155(NP) (NP)

TITLE: TR " FOAH2 COMPUTER PROGRAM TO CALCULATE CORE SWELL LEVEL AND MASS FLOW RATE DURING SMALL BREAK LOCA"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH   | REVIEWER             | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|--------------------|----------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB<br>CPB | MORAN<br>GILL<br>SUN | DKM<br>ABG<br>SES | 49248         | 12-01-82       |                  |                  |                      |                  |

REMARKS:  
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RI SYM: BAW10156 (NP)

TITLE: TOPICAL REPORT: LYNXT--CORE TRANSIENT THERMAL-HYDRAULIC PROGRAM

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH   | REVIEWER              | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|--------------------|-----------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB<br>CPB<br>CPB | MORAN<br>HSII<br>GILL | DKM<br>YBH<br>ABG | 54346         | 02-23-84       | 07-30-84         |                  |                      |                  |

REMARKS:  
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RI SYM: BAW1543 (NP)

TITLE: TOPICAL REPORT B&W OWNERS GROUP, MATERIALS COMMITTEE: INTEGRATED REACTOR VESSEL MATERIAL SURVEILLANCE PROGRAM"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER         | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB<br>ORB4     | MORAN<br>KADAMBI | DKM<br>NCK  | 53244         | 10-26-83       |                  |                  |                      |                  |

REMARKS:  
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| INDUSTRY ORGANIZATION: BLACK AND VEATCH |  
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RI SYM: BVTR-1-0A (NP)                      SUBMIT DATE: 02-20-79      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 01-31-80  
TAC #: 09192  
TITLE: BLACK & VEATCH QUALITY ASSURANCE PROGRAM DESCRIPTION

REMARKS:  
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| INDUSTRY ORGANIZATION: BURNS AND ROE, INC. |  
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RI SYM: B&ROE-COM4-1-NP (NP)                      SUBMIT DATE: 08-29-80      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 10-02-80  
TAC #: 09156  
TITLE: NUCLEAR QUALITY ASSURANCE MANUAL - REV. 2

REMARKS:

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| INDUSTRY ORGANIZATION: BYRON JACKSON & BORG WARNER CORP. |  
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RI SYM: BJNPQ-101 (NP)

TITLE: PERFORMANCE & SAFETY FEATURES OF THE BYRON JACKSON PRIMARY REACTOR COOLANT PUMP FOR LWRS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER         | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | BURWELL   | MEB<br>SSPB      | BRAMMER<br>MORAN | HLB<br>DKM  | 04902         | 04-07-78       |                  |                  |                      |                  |

REMARKS: APPENDIX BJNPQ-201, 202, & 203.

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| INDUSTRY ORGANIZATION: C. F. BRAUN |  
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RI SYM: BR-TR-21A (NP)

SUBMIT DATE: 07-07-80

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 07-16-80

TAC #: 09022

TITLE: QA PROGRAM - AMENDMENT 5A

REMARKS:  
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| INDUSTRY ORGANIZATION: COMBUSTION ENGINEERING |  
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RI SYM: CEN-08(A) (P), CEN-8-(A) (NP)      SUBMIT DATE: 05-16-75      CONCLUSION: NOT ACCEPTED      LETTER TO IND ORG: 07-15-75  
TAC #: 01215  
TITLE: COMPARISON OF ANO-2, M.Y. & FT. CALHOUN RCTR. INTERNALS DSGN. PARAMETERS & FLOW INDUCED STRUC. RESP.  
REMARKS: ON ANO-2 DOCKET

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RI SYM: CEN-50 (P), CEN-50 (NP)      SUBMIT DATE: 08-25-77      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 11-10-77  
TAC #: 04514  
TITLE: CE BURNABLE POISON IRRADIATION TEST PROGRAM, REV 1  
REMARKS: TEST PROGRAM IS FOR BURNABLE POISON RODS FOR 16 X 16 FUEL WITHHOLDING APPROVED 11-10-77

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RI SYM: CENPD-008 (NP)      SUBMIT DATE: 01-27-71      CONCLUSION: NOT ACCEPTED      LETTER TO IND ORG: 11-07-73  
TAC #: 03808  
TITLE: INHERMIC, A COMPUTER CODE FOR ANALYSIS OF THERMAL MIXING  
REMARKS: CODE IS ALSO DESCRIBED IN CENPD-161

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RI SYM: CENPD-009 (NP)      SUBMIT DATE: 01-27-71      CONCLUSION: NOT ACCEPTED      LETTER TO IND ORG: 11-07-73  
TAC #: 03812  
TITLE: COSMO IV, A THERMAL AND HYDRAULIC STEADY STATE DESIGN CODE FOR WATER COOLED REACTORS  
REMARKS: CODE IS ALSO DESCRIBED IN CENPD-161

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RI SYM: CENPD-026 (NP)      SUBMIT DATE: 11-05-71      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-18-71  
TAC #: 03811  
TITLE: DESCRIPTION OF COMBUSTION ENGINEERING LOSS OF COOLANT CALCULATIONAL PROCEDURES, SUPPL. #1, SUPPL. #2  
REMARKS: APPVD AS PT OF INTERIM ACCEPT CRIT WITHHOLDING APPR 10-13-77 BASIC & SUPPL 1,2&3 DOWNGRADED NONPROP 8-3-78

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RI SYM: CENPD-042 (P), CENPD-042 (NP)      SUBMIT DATE: 08-31-72      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-05-73  
TAC #: 03809  
TITLE: DYNAMIC ANALYSIS OF REACTOR VESSEL INTERNALS UNDER LOSS-OF-COOLANT ACCIDENT CONDITIONS  
REMARKS: MAY BE REFERENCED WITH RESERVATIONS WITHHOLDING APPROVED 10-13-77

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RI SYM: CENPD-055 (NP)      SUBMIT DATE: 06-05-72      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-29-73  
TAC #: 03807  
TITLE: ANALYSIS OF FLOW INDUCED VIBRATIONS: MAINE YANKEE PRECRITICAL VIBRATION MONITORING PROGRAM  
REMARKS: DOWNGRADED NON-PROPRIETARY 8-3-78

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RI SYM: CENPD-061 (NP)      SUBMIT DATE: 12-15-72      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 07-15-74  
TAC #: 00874  
TITLE: SEISMIC QUALIFICATION OF CATEGORY I ELECTRIC EQUIPMENT FOR NSSS  
REMARKS:

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| INDUSTRY ORGANIZATION: COMBUSTION ENGINEERING |  
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RI SYM: CENPD-067 (P), CENPD-067 (NP)      SUBMIT DATE: 08-26-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-07-76  
TAC #: 00657  
TITLE: IODINE DECONTAMINATION FACTORS DURING PWR STEAM GENERATION & STEAM VENTING, SUPPL. 2, REVISION 1, ADDENDUM 1  
REMARKS: WITHHOLDING APPROVED 10-13-77

RI SYM: CENPD-085 (P), CENPD-085 (NP)      SUBMIT DATE: 03-15-73      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 03-27-75  
TAC #: 00400  
TITLE: ANALYSIS OF FLOW INDUCED VIBRATIONS: FORT CALHOON PRECRITICAL VIBRATION MONITORING PROGRAM, SUPPLS. 1 & 2  
REMARKS: WITHHOLDING APPROVED 4-19-73

RI SYM: CENPD-089 (NP)      SUBMIT DATE: 03-16-73      CONCLUSION: NOT ACCEPTED      LETTER TO IND ORG: 06-15-73  
TAC #: 00416  
TITLE: GROWTH CONSIDERATIONS FOR LARGE HYPOTHETICAL CRACKS IN NUCLEAR REACTOR COOLANT PIPING  
REMARKS:

RI SYM: CENPD-093 (P), CENPD-093 (NP)      SUBMIT DATE: 06-01-73      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 04-04-74  
TAC #: 00506  
TITLE: MAINE YANKEE PRECRITICAL VIBRATION MONITORING PROGRAM  
REMARKS: WITHHOLDING APPROVED 7-16-74

RI SYM: CENPD-098 (NP)      SUBMIT DATE: 06-21-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-04-74  
TAC #: 00646  
TITLE: COAST CODE DESCRIPTION, AMEND. 1  
REMARKS:

RI SYM: CENPD-107 (P), CENPD-107 (NP)  
TITLE: CESEC-DIGITAL SIMULATION OF A C-E NSSS, SUPPLS. 1, 2, 3, 4, 5, 6

| REQ ORG | REQUESTER   | REVIEW BRANCH | REVIEWER | REV INIT | TAC NUMBER | SUBMIT DATE | REQ TARG DATE | EST COMP DATE | ADD INFO REQ DATE | REV COMP DATE |
|---------|-------------|---------------|----------|----------|------------|-------------|---------------|---------------|-------------------|---------------|
| LWR3    | D. TIPPITTS | SSPB          | MORAN    | DKM      | 01142      | 06-30-76    |               |               | 02-04-77          |               |

REMARKS: CE TO SUBMIT COMPARISON OF CESEC & PLANT TRANSIENTS BY 3/79, NO RECEIVED AS OF 1/80; WITHHOLDING APPROVED 10-13-77

RI SYM: CENPD-118 (P), CENPD-118 (NP)      SUBMIT DATE: 09-03-74      CONCLUSION: NOT ACCEPTED      LETTER TO IND ORG: 12-04-74  
TAC #: 01149  
TITLE: DENSIFICATION OF CE FUEL  
REMARKS: SEP. REVIEW NOT REQUIRED AS SUMMARIES OF DATA RELEVANT TO FUEL EVALUATION MODEL REPROD. IN CENPD-139

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| INDUSTRY ORGANIZATION: COMBUSTION ENGINEERING |  
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RI SYM: CENPD-132 (P), CENPD-132 (NP)      SUBMIT DATE: 08-26-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-09-75  
TAC #: 01148  
TITLE: CALCULATIONAL METHODS FOR THE CE LARGE BREAK LOCA EVALUATION MODEL, (VOLS. 1-2), SUPPL. 1, SUPPL. 2, FOR ECCS ONLY

REMARKS: CENPD-132 THROUGH SUPPLEMENT NO 2 IS APPROVED FOR ECCS ANALYSIS WITHHOLDING APPROVED 10-13-77

RI SYM: CENPD-133 (P), CENPD-133 (NP)      SUBMIT DATE: 02-18-77      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 09-27-77  
TAC #: 01147  
TITLE: CEFLASH A FROTRAN IV DIGITAL CMPTR. PROG. FOR RCTR. BLOWDOWN ANALY., REV. 1, SUPPL. 1, (MOD.), SUPPL. 3 FOR ECCS ONLY

REMARKS: THIS ENTRY IS FOR REVIEW OF SUPPLEMENT 3 TO CENPD-133 FOR USE IN ECCS EVALUATION WITHHOLDING APPROVED 10-13-77

RI SYM: CENPD-133-P (P), CENPD-133 (NP)

TITLE: CEFLASH-4A FORTRAN-IV DIGITAL COMPUTER PROGRAM FOR REACTOR BLOWDOWN ANALYSIS--SUPPLEMENT 4

| REQ<br>ORG | REQUESTER    | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|--------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | D L TIBBITTS | SSPB             | MORAN    | DKM         | 04653         | 07-20-77       | 01-01-78         |                  |                      |                  |

REMARKS: FOR USE IN ECCS EVAL; MODEL CHNGS DESCRIBED IN SUPPLS 1, 2 ACCEPTABLE 6/13/75, SUPPL 3 ACCEPT 9/27/77. WITH APP 10-13-77

RI SYM: CENPD-134 (P), CENPD-134 (NP)      SUBMIT DATE: 03-13-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-13-75  
TAC #: 01151  
TITLE: COMPERC-II: A PROGRAM FOR EMERGENCY REFILL - REFLOOD OF THE CORE (MODIFICATIONS), SUPPL. 1 FOR ECCS ONLY

REMARKS: FOR USE IN ECCS EVALUATION WITHHOLDING APPROVED 10-13-77

RI SYM: CENPD-135 (P), CENPD-135 (NP)      SUBMIT DATE: 05-17-77      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 09-06-78  
TAC #: 01153  
TITLE: STRIKIN-II, CYLINDRICAL GEOMETRY FUEL ROD HEAT TRANSFER PROGRAM, SUPPLS, 1,2,3,4,5

REMARKS: CENPD-135 THRU SUPPL 5 ACCEPTED FOR USE IN ECCS MODEL WITHHOLDING APPROVED 11-10-77

RI SYM: CENPD-136 (P), CENPD-136 (NP)      SUBMIT DATE: 08-19-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-13-75  
TAC #: 01150  
TITLE: HIGH TEMPERATURE PROPERTIES OF ZIRCALOY AND UO2 FOR USE IN THE CE LOCA EVALUATION MODULE FOR ECCS ONLY

REMARKS: ACCEPTABLE ONLY FOR USE IN ECCS EVALUATION WITHHOLDING APPROVED 11-4-77

RI SYM: CENPD-137 (P), CENPD-137 (NP)      SUBMIT DATE: 02-18-77      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 09-27-77  
TAC #: 01154  
TITLE: CALCULATIVE METHODS FOR THE C-E SMALL BREAK LOCA EVALUATION MODEL, SUPPLEMENT NO. 1

REMARKS: ACCEPTABLE ONLY FOR USE IN ECCS EVALUATION WITHHOLDING APPROVED 11-10-77

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RI SYM: CENPD-138 (P), CENPD-138 (NP)      SUBMIT DATE: 03-13-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 04-10-78  
TAC #: 01155  
TITLE: PARCH, A FORTRAN DIG. CMPTR. PROG. TO EVAL. POOL BOILING AXIAL ROD & COOLANT HEATUP (MOD.), SUPPL. 1 FOR ECCS ONLY  
REMARKS: VERSION OF PARCH WITH MODIFICATIONS DESCRIBED IN SUPPL. 2 IS ONLY VERSION ACCEPT FOR ECCS CALCULATIONS WITH APP 11-10-77

RI SYM: CENPD-139A (P), CENPD-139A (NP)      SUBMIT DATE: 09-25-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-04-74  
TAC #: 01152  
TITLE: C-E FUEL EVALUATION MODEL  
REMARKS: WITHHOLDING APPROVED 11-4-77

RI SYM: CENPD-140A (NP)      SUBMIT DATE: 10-09-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 04-14-76  
TAC #: 00988  
TITLE: DESCRIPTION OF THE CONTRANS CODE FOR CONTAINMENT PRESSURE AND TEMPERATURE ANALYSIS, AMEND. 1, AMEND. 2, AMEND. 3  
REMARKS: MEETING HELD 9/12/75 WITH C-E TO DISCUSS HEAT TRANSFER ANALYSIS USED IN CONTRANS

RI SYM: CENPD-141 (NP)      SUBMIT DATE: 03-08-76      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 01-05-77  
TAC #: 00986  
TITLE: DESCRIPTION OF THE DDIFF CODE FOR CONTAINMENT SUBCOMPARTMENT PRESSURE ANALYSIS, AMENDMENT 3, REV. 1  
REMARKS:

RI SYM: CENPD-145 (P), CENPD-145 (NP)      SUBMIT DATE: 07-08-77      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 05-16-80  
TAC #: 01618  
TITLE: INCA A METHOD OF ANALYZING IN-CORE DETECTOR DATA IN POWER REACTORS  
REMARKS: SUPERCEDED BY CENPD-153 LTR DATED MAY 16, 1980 WITHHOLDING APPROVED 9-15-77

RI SYM: CENPD-148 (NP)

TITLE: REVIEW OF REACTOR SHUTDOWN SYSTEM (PPS DESIGN) FOR COMMON MODE FAILURE SUSCEPTIBILITY

| REQ<br>ORG | REQUESTER   | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWRS       | D. TIBBITTS | SSPB             | MORAN    | DKM         | 01208         | 09-27-74       |                  |                  |                      |                  |

REMARKS: PART OF C-E ATWS - NO FUTURE WORK SCHEDULED ON THIS TOPICAL.

RI SYM: CENPD-153A (P), CENPD-153A (NP)      SUBMIT DATE: 05-16-80      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 07-02-80  
TAC #: 01350  
TITLE: INCA/CECOR POWER PEAKING UNCERTAINTY  
REMARKS: SUPERCEDES CENPD-145(P) WITHHOLDING APPROVED 9-15-77/9-23-77

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RI SYM: CENPD-155A (P), CENPD-155A (NP)      SUBMIT DATE: 10-08-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-15-75  
TAC #: 01191  
TITLE: CE PROCEDURE F/DSGN., FAB., INSTAL., & INSPECT.-SURVEIL. SPEMN. BRACKETS ATTACHED TO RCTR. VES. BELTLINE REGN.

REMARKS: ACCEPTABLE FOR REFERENCE IN SAR'S OF PLANTS CURRENTLY BEING CONSTRUCTED AND FUTURE PLANTS.

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RI SYM: CENPD-158 (NP)

TITLE: ANTICIPATED TRANSIENTS WITHOUT REACTOR TRIP, SUPPLS. 1,2,3,4, REV. 1, REV. 1 SUPPL. 1

| REQ<br>ORG | REQUESTER   | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR3       | D. TIBBITTS | SSPB             | MORAN    | DKM         | 01207         | 06-30-76       |                  |                  | 03-04-75             |                  |

REMARKS: PART OF CE ATWS

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RI SYM: CENPD-161 (P), CENPD-161 (NP)      SUBMIT DATE: 05-10-76      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 09-14-76  
TAC #: 01744  
TITLE: TORC - A COMPUTER CODE FOR DETERMINING THE THERMAL MARGIN OF A REACTOR CORE, AMENDMENT NO 1P

REMARKS: WITHHOLDING APPROVED 11-10-77

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RI SYM: CENPD-162A (P), CENPD-162A (NP)      SUBMIT DATE: 01-28-76      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-05-76  
TAC #: 01619  
TITLE: CRITICAL HEAT FLUX CORRELATION FOR C-E FUEL ASSEMBLIES WITH STD. SPACER GRIDS, PT. 1 UNIFORM AXIAL PWR. DIST.

REMARKS: SUPPLEMENT 1A SUBMITTED 4/12/77. WITHHOLDING APPROVED 11-10-77

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RI SYM: CENPD-168 (NP)      SUBMIT DATE: 08-25-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-05-77  
TAC #: 01855  
TITLE: DESIGN BASIS PIPE BREAKS FOR THE COMBUSTION ENGINEERING TWO LOOP REACTOR COOLANT SYSTEM, REV. 1

REMARKS: REV. 1 DATED 9/76.

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RI SYM: CENPD-169 (P), CENPD-169 (NP)      SUBMIT DATE: 08-29-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 04-05-79  
TAC #: 01856  
TITLE: ASSESSMENT OF THE ACCURACY OF PWR OPERATION LIMITS AS DETERMINED BY CORE OPERATING LIMIT SUPERVISORY SYSTEM

REMARKS: WITHHOLDING APPROVED 11-4-77

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RI SYM: CENPD-170 (P), CENPD-170 (NP)      SUBMIT DATE: 08-01-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 01-25-78  
TAC #: 01796  
TITLE: ASSESSMENT OF ACCURACY OF PWR SAFETY SYSTEM ACTUATION AS PERFORMED BY THE CPC'S, SUPPLEMENT 1P

REMARKS: REVIEW OF REPORT CARRIED OUT ON ANO-2 DOCKET, SER ON ANO-2 CONTAINS EVAL OF CENPD 170 WITHHOLDING APPR 11-4-77







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RI SYM: CENPD-182 (NP)

TITLE: SEISMIC QUALIFICATION OF C-E INSTRUMENTATION AND ELECTRIC EQUIPMENT, REV. 1

| REQ<br>ORG | REQUESTER   | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | D. TIBBITTS | SSPB             | MORAN    | DKM         | 03344         | 06-30-77       |                  |                  | 04-00-78             |                  |

REMARKS:

RI SYM: CENPD-183 (NP)

TITLE: C-E METHODS FOR LOSS OF FLOW ANALYSIS

| REQ<br>ORG | REQUESTER   | REVIEW<br>BRANCH   | REVIEWER                     | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE                 |
|------------|-------------|--------------------|------------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|----------------------------------|
| LWR2       | D. TIBBITTS | CPB<br>SSPB<br>CPB | PHILLIPS<br>BERGGREN<br>HSII | LEP<br>JXB<br>YBH | 01870         | 08-22-75       |                  | 09-30-81         | 02-18-76             | 04-09-82<br>12-05-82<br>04-16-82 |

REMARKS: LETTER TO VENDOR DATE CORRECTED

RI SYM: CENPD-185A (P), CENPD-185A (NP)      SUBMIT DATE: 07-09-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 10-30-75

TAC #: 01745  
TITLE: LOCA RUPTURE BEHAVIOR OF 16 X 16 ZIRCALOY CLADDING

REMARKS: WITHHOLDING APPROVED 11-10-77

RI SYM: CENPD-187A (P), CENPD-187A (NP)      SUBMIT DATE: 10-08-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 02-10-76

TAC #: 01639  
TITLE: CEPAN - METHOD OF ANALYZING CREEP COLLAPSE OF OVAL CLADDING, SUPPL 1

REMARKS:

RI SYM: CENPD-188 (NP)      SUBMIT DATE: 04-20-76      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-10-76

TAC #: 03907  
TITLE: HERMITE - A MULTI-DIMENSIONAL SPACE-TIME KINETICS CODE FOR PWR TRANSIENTS

REMARKS:

RI SYM: CENPD-190A (NP)      SUBMIT DATE: 01-21-76      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-10-76

TAC #: 03339  
TITLE: C-E METHOD FOR CONTROL ELEMENT ASSEMBLY EJECTION ANALYSIS

REMARKS:



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RI SYM: CENPD-210A (NP) SUBMIT DATE: 11-00-77 CONCLUSION: ACCEPTED LETTER TO IND ORG: 11-16-77  
TAC #: 09098  
TITLE: CENPD 210 COMBUSTION ENGINEERING-QA PROGRAM, REV. 3

REMARKS:

RI SYM: CENPD-212 (NP)

TITLE: INSTRUMENT QUALIFICATION-ENVIRONMENTAL QUALIFICATION OF C-E INSTRUMENTATION EQUIPMENT, PARTS ONE AND TWO

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | D TIBBITTS | SSPB             | MORAN    | DKM         | 04685         | 08-30-77       |                  |                  |                      |                  |

REMARKS:

RI SYM: CENPD-213 (P), CENPD-213 (NP) SUBMIT DATE: 03-24-76 CONCLUSION: ACCEPTED LETTER TO IND ORG: 08-02-76  
TAC #: 03345  
TITLE: APPLICATION OF FLECHT REFLOOD HEAT TRANSFER COEFFICIENTS TO C-E 16X16, SUPPL 1

REMARKS: ACRS SUB-COMMITTEE REVIEWED MODEL CHANGE ON 6/17/76. WITHHOLDING APPROVED 8-31-78

RI SYM: CENPD-225 (P), CENPD-225 (NP) SUBMIT DATE: 10-23-81 CONCLUSION: ACCEPTED LETTER TO IND ORG: 02-15-83  
TAC #: 04398  
TITLE: FUEL & POISON PIN BOWING, SUPPLS 1,2,3

REMARKS: RECD REVISED RESPONSE TO REQ #2 FOR ADD INFO DTD 2/25/82; WITHHOLDING APPR 9/18/78

RI SYM: CENPD-228 (P), CENPD-228 (NP)

TITLE: THERM: A THERMAL-HYDRAULIC EMERGENCY REFLOOD MODEL

| REQ<br>ORG | REQUESTER   | REVIEW<br>BRANCH | REVIEWER     | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-------------|------------------|--------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | D. TIBBITTS | SSPB<br>CPB      | MORAN<br>SUN | DKM<br>SES  | 04502         | 02-15-77       |                  |                  | 07-27-81             |                  |

REMARKS: REVIEW SUSPENDED AT CE 3/17/82 REQUEST PENDING CODE UTILIZATION REVIEW

RI SYM: CENPD-252A (P), CENPD-252A (NP) SUBMIT DATE: 10-20-78 CONCLUSION: ACCEPTED LETTER TO IND ORG: 02-12-79  
TAC #: 04788  
TITLE: BLOWDOWN ANALYSIS METHODS - METHOD FOR ANALYSIS OF BLOWDOWN INDUCED FORCES IN A REACTOR VESSEL

REMARKS: NRC LETTER DATED 2-28-79 CORRECTS TWO ITEMS IN ORIGINAL (2-12-79) LETTER. WITHHOLDING APP 1-12-78 & 9-18-78

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RI SYM: CENPD-254A (P), CENPD-254A (NP)      SUBMIT DATE: 08-22-77      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 07-30-79  
TAC #: 04674  
TITLE: POST-LOCA LONG TERM COOLING EVALUATION MODEL

REMARKS: REC'D ACCEPTED CENPD254 P&NP VERSIONS

RI SYM: CENPD-255 (NP)

TITLE: IE--QUALIFICATION--QUALIFICATION OF CLASS IE INSTRUMENTATION REV. 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 04722         | 07-03-80       |                  | 09-30-81         |                      | 09-08-83         |

REMARKS:

RI SYM: CENPD-256A (P), CENPD-256A (NP)      SUBMIT DATE: 08-26-77      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 11-10-77  
TAC #: 04688  
TITLE: LICENSING SUBMITTAL TO NRC FOR THE IRRADIATION OF TEST RODS IN A 16 X 16 NUCLEAR REACTOR

REMARKS: WITHHOLDING APPROVED 11-10-77

RI SYM: CENPD-266-P (P), CENPD-266-NP (NP)

TITLE: TR"THE ROCS AND DIT COMPUTER CODES FOR NUCLEAR DESIGN

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER      | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|---------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB      | MORAN<br>KOPP | DKM<br>LIK  | 47469         | 12-11-81       |                  |                  | 09-15-82             | 02-16-83         |

REMARKS: RFAI #1

RI SYM: CENPD-81-095(P) (P), CENPD-81-095(NP)

TITLE: TR"C.E. ECCS EVALUATION MODEL FLOW BLOCKAGE ANALYSIS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH   | REVIEWER                  | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|--------------------|---------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB<br>RSB | MORAN<br>POWERS<br>LAUBEN | DKM<br>DAP<br>NGL | 47459         | 12-15-81       |                  | 09-01-82         |                      | 08-20-82         |

REMARKS: REVIEW & PREPARE SER

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RI SYM: CEN203(P) (P), CEN-203(NP) (NP)

TITLE: CEN 203(P) "RESPONSE TO NRC ACTION PLAN ITEM IIK3.30 JUSTIFICATION OF SMALL BREAK LOCA METHODS"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER           | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | RSB<br>SSPB      | GUTT JANN<br>MORAN | JZG<br>DKM  | 49451         | 03-31-82       |                  |                  | 05-31-83             |                  |

REMARKS:  
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RI SYM: CASE-TR-1 (NP)  
TAC #: 09077

SUBMIT DATE: 01-15-76

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 06-23-78

TITLE: TOPICAL REPORT FOR COORDINATING AGENCY FOR SUPPLIER EVALUATION - REV. 1-A

REMARKS:  
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| INDUSTRY ORGANIZATION: CVI |  
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RI SYM: CVI-TR-7301 (NP)                      SUBMIT DATE: 02-28-75      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 04-30-75  
TAC #: 01123  
TITLE: DESIGN AND DEVELOPMENT OF THE HIGH EFFICIENCY CHARCOAL ADSORBER AND ITS APPLICATION IN ESF ATMOSPHERE CLEANUP SYSTEMS

REMARKS:  
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RI SYM: CVI-TR-742 (NP)

TITLE: CVI CORP-REPORT A-742-EI2 HIGH EFFICIENCY CHARCOAL ABSORBER AND STAND BY GAS TREATMENT SYSTEM

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| DOSI       | J. HENDRIE | TMIP             | COLLINS  | JXC         | 00252         |                |                  |                  |                      | 12-18-75         |

REMARKS:  
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| INDUSTRY ORGANIZATION: DOW CHEMICAL |  
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RI SYM: DNS-RSS-001A (P), DNS-RSS-001A (NP)    SUBMIT DATE: 03-17-78    CONCLUSION: ACCEPTED    LETTER TO IND ORG: 06-19-80  
TAC #: 04852  
TITLE: DOW SYSTEM SOLIDIFICATION OF LOW-LEVEL RADWASTE  
REMARKS: REC'D DNS-RSS001 A-P & A-NP VERSIONS  
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| INDUSTRY ORGANIZATION: ECOLAIRE CONDENSER INC. |  
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RI SYM: IR-100 (P), IR-100 (NP)

TITLE: ORIENTED SPRAY COOLING SYSTEM FOR ULTIMATE HEAT SINK APPLICATION

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| DPM        | R. BIRKEL | SSPB             | MORAN    | DKM         | 04473         | 02-08-77       |                  |                  |                      |                  |

REMARKS: ECOLAIRE ASKED DETAILED QUESTIONS REGARDING STAFF RAI. WE RESPONDED ON 1-25-79.

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| INDUSTRY ORGANIZATION: EDERER INCORPORATED |  
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RI SYM: EDR-1 (P), EDR-1 (NP)                      SUBMIT DATE: 10-08-82      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 08-26-83  
TAC #: 48984  
TITLE: TR "EDERER'S NUCLEAR SAF RELATED EXTRA SAFETY & MONITORING (X-SAM) CRANES REV3"

REMARKS: AMENDMENT 1 SUBMITTED 01/18/83; AMENDMENT 2 SUBMITTED 05/27/83

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RI SYM: EDR-1-A (P), EDR-1-A (NP)                      SUBMIT DATE: 01-23-79      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 01-02-80  
TAC #: 05135  
TITLE: EDERER'S NUCLEAR SAFETY RELATED (X-SAM) CRANES

REMARKS: WITHHOLDING APPROVED 12/21/79  
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| INDUSTRY ORGANIZATION: EXXON |  
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RI SYM: XN-NF-524(P) (P), XN-NF-524 (NP)

TITLE: TR-EXXON NUCLEAR CRITICAL POWER METHODOLOGY FOR BWR'S

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH   | REVIEWER                     | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE                 |
|------------|-----------|--------------------|------------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|----------------------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB<br>CPB | MORAN<br>SCHWENK<br>PHILLIPS | DKM<br>GES<br>LEP | 42274         | 05-30-80       |                  | 09-30-81         |                      | 10-31-83<br>10-31-83<br>10-31-83 |

REMARKS:

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RI SYM: XN-NF-621(P) (P), (NP)                      SUBMIT DATE: 02-22-82      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 04-12-83  
TAC #: 48027  
TITLE: TR EXXON NUCLEAR DNB CORRELATION PWR FUEL DESIGNS, REV1

REMARKS: REC'D RESPONSE DATED 8-26-82 TO RFAI #1

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RI SYM: XN-NF-691(P) (P), (NP)                      SUBMIT DATE: 06-21-83      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 05-10-84  
TAC #: 49820  
TITLE: TR "STABILITY EVALUATION OF BOILING WATER REACTOR CORES"

REMARKS: W/STATED CONDITIONS

RI SYM: XN-NF-696 (P), (NP)

TITLE: ENC'S SOLUTION TO THE NRC SAMPLE PROBLEMS - PWR FUEL ASSEMBLIES MECHANICAL RESPONSE TO SEISMIC AND LOCA EVENTS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB             | MORAN    | DKM         | 52180         | 06-23-83       |                  |                  | 01-24-84             |                  |

REMARKS:

RI SYM: XN-NF-719(P) (P), (NP)

TITLE: TOPICAL REPORT "ASSESSMENT OF POTENTIAL RADIOLOGICAL CONSEQUENCE FOR HIGH EXPOSURE FUEL"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB             | MORAN    | DKM         | 53245         | 11-11-83       |                  |                  |                      |                  |

REMARKS:

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| INDUSTRY ORGANIZATION: EXXON |  
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RI SYM: XN-NF-734(P) (P), (NP)

TITLE: EXXON TOPICAL REPORT: "CONFIRMATION OF XN-3 CRITICAL POWER CORRELATION FOR 9X9 FUEL ASSEMBLIES

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB             | MORAN    | DKM         | 53420         | 11-23-83       |                  |                  |                      |                  |

REMARKS:

RI SYM: XN-NF-75-21 (P), (NP)

TITLE: TR "XCobra-IIIC: A COMPUTER CODE TO DETERMINE THE DISTRIBUTION OF COOLANT DURING STEADY STATE & TRANSIENT

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER           | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | CPB<br>SSPB      | BALUKJIAN<br>MORAN | HYB<br>DKM  | 48705         | 08-04-82       |                  |                  |                      |                  |

REMARKS: REV 2 DATED 9/82

RI SYM: XN-NF-75-27A (P), XN-NF-75-27A (NP) SUBMIT DATE: 04-07-81 CONCLUSION: ACCEPTED LETTER TO IND ORG: 08-17-81  
TAC #: 01722  
TITLE: TR "EXXON NUCLEAR NEUTRONICS DESIGN METHODS FOR PRESSURIZED WATER REACTORS

REMARKS: ACCEPTED BASIC & SUPPLEMENTS 1, 2, & 3; SUPPL 3 ACCEPTED 8/17/81

RI SYM: XN-NF-75-32 (P), XN-NF-75-32 (NP) SUBMIT DATE: 06-17-75 CONCLUSION: ACCEPTED LETTER TO IND ORG: 02-25-83  
TAC #: 01721  
TITLE: COMPUTATIONAL PROCEDURES FOR EVALUATING FUEL ROD BOWING (AXIBOW)

REMARKS: RECD RESPONSE DATED 8/3/82 TO IRFAI

RI SYM: XN-NF-76-47(P)A (P), XN-NF-76-47(NP)A SUBMIT DATE: 05-10-77 CONCLUSION: ACCEPTED LETTER TO IND ORG: 11-05-81  
TAC #: 06840  
TITLE: TR "COMBINED SEISMIC-LOCA MECHANICAL EVAL FOR EXXON NUCLEAR 15X15 RELOAD FUEL FOR WESTINGHOUSE PWRS

REMARKS: ACCEPTED VERSION DATED 1/82 TITLE & NO CHGD FROM XN-76-47

RI SYM: XN-NF-77-25A (NP) SUBMIT DATE: 08-30-77 CONCLUSION: ACCEPTED LETTER TO IND ORG: 06-27-78  
TAC #: 07055  
TITLE: GINNA - ECCS EVAL OF 2-LOOP WESTINGHOUSE PWR W/DRY CONTAINMENT USING WREM-II ECCS MODEL; LARGE BREAK EXAMPLE PROBLEM

REMARKS: ACCEPTED VERSION DTD SEPT 1978



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| INDUSTRY ORGANIZATION: EXXON |  
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RI SYM: XN-NF-79-59(P) (P), XN-NF-79-59(NP)

TITLE: TR-METHODOLOGY FOR CALCULATION OF PRESSURE DROP IN BWR FUEL ASSEMBLIES

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 42275         | 05-30-80       |                  | 09-30-81         |                      | 10-31-83         |

REMARKS: REC'D (NP) VERSION 9/19/80

RI SYM: XN-NF-79-71 (P), XN-NF-79-71 (NP)

TITLE: TR "EXXON NUCLEAR PLANT TRANSIENT METHODOLOGY FOR BOILING WATER REACTORS, REV 2"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH   | REVIEWER           | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|--------------------|--------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB<br>CPB | MORAN<br>WU<br>SUN | DKM         | 42273         | 05-04-81       |                  |                  | 10-05-81             | 03-03-82         |

REMARKS: REV2 COMBINES REV1, SUPPL 1&2 & RESP TO RFAI #1 INTO AN INTEGRATED DOE.

RI SYM: XN-NF-80-19(P) (P), (NP)

TITLE: TR "EXON NUCL METHODOLOGY FOR BOILING WATER REACTORS APP OF ENC METHODOLOGY TO BWR RELOADS VOL 4"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER           | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB      | MORAN<br>DUNENFELD | DKM         | 48969         | 10-13-82       |                  |                  |                      | 08-31-83         |

REMARKS: REVIEW, COMMENT & PREPARE SER IN SUPPORT OF DRESDEN UNIT 2 CYCLE 9



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RI SYM: XN-NF-80-19-A(P) (P), XN-NF-80-19 (NP)

TITLE: TR- "EXXON NUCLEAR METHODOLOGY FOR BWR'S - VOL 1, 2, 2A, 2B & 3"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH   | REVIEWER               | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|--------------------|------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB<br>CPB | MORAN<br>WU<br>SCHWENK | DKM<br>SDW<br>GES | 42277         | 09-14-83       |                  | 09-30-81         | 07-17-81             | 01-22-82         |

REMARKS: ACCEPTED VERSION XN-NE-80-19A (P) VOL2(INC V2A, 2B, 2C) DATED 9-82 ACCEPT VERSIONS V2(INCL 2A,2B,2C) DTD 9-82

RI SYM: XN-NF-80-19-V2 (P), (NP) SUBMIT DATE: 07-31-81 CONCLUSION: ACCEPTED LETTER TO IND ORG: 01-27-82

TAC #: 46760

TITLE: EXXON NUCL METHODOLOGY FOR BOILING WATER REACTORS VOL 2C: VERIFICATION & QUALIFICATION OF EXEM

REMARKS: ACCEPTED IN CONJUNCTION WITH XN-NF-81-71 & XN-NF-80-19 V2, 2A, & 2B ACCEPT VERSIONS V2(INCL 2A,2B&2C) DTD 9-82

RI SYM: XN-NF-80-56(P)A (P), XN-NF-80-56(NP)A SUBMIT DATE: 12-01-80 CONCLUSION: ACCEPTED LETTER TO IND ORG: 11-10-81

TAC #: 43236

TITLE: GENERIC MECHANICAL THERMAL HYDRAULIC & NEUTRONIA DESIGN FOR EXXON NUCLEAR TOPROD RELOAD FUEL ASSEMBLIES FOR PWRS

REMARKS: EXCLUDES SUPPLEM 1 ACCEPTANCE INCLUDES APP B & 10/1/81 LTR OUSLEY TO MILLER; ACCEPTED VERSION DATED 12/81

RI SYM: XN-NF-81-21(P)A (P), XN-NF-81-21(NP)A SUBMIT DATE: 02-01-82 CONCLUSION: ACCEPTED LETTER TO IND ORG: 04-21-83

TAC #: 47866

TITLE: TR "GENERIC MECHANICAL DESIGN FOR EXXON NUCLEAR JET PUMP BWR RELOAD FUEL; REV-1

REMARKS: ACCEPTED VERSION DATED 9/82

RI SYM: XN-NF-81-22 (P), (NP)

TITLE: "GENERIC STATISTICAL UNCERTAINTY ANALYSIS METHODOLOGY"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 43857         | 05-04-81       |                  | 09-30-81         | 11-17-81             |                  |

REMARKS: REVIEW, COMMENT & PREPARE SER; REQUEST NO 1 FOR ADDL INFO



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RI SYM: XN-NF-81-51(P) (P), (NP)

TITLE: TR "LOCA-SEISMIC STRUCTURAL RESP OF AN EXXON NUCL CO BWC JET PUMP FUEL ASSEMBLY"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER    | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB      | MORAN<br>WU | DKM<br>SDW  | 48706         | 08-04-82       |                  |                  | 01-24-84             |                  |

REMARKS:

RI SYM: XN-NF-81-58 (NP)

TITLE: RODEX 2 FUEL ROD THERMAL MECHANICAL RESPONSE EVALUATION MODEL

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH   | REVIEWER                 | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE                 |
|------------|-----------|--------------------|--------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|----------------------------------|
| SSPB       | BERGGREN  | CPB<br>SSPB<br>CPB | VOGLEWEDE<br>MORAN<br>WU | JCV<br>DKM<br>SDW | 46955         | 10-13-83       |                  |                  | 07-16-82             | 11-16-83<br>11-16-83<br>11-16-83 |

REMARKS: REV 1 DATED 8/82 SUBMITTED 10/22/82

RI SYM: XN-NF-81-71(P)A (P), (NP) SUBMIT DATE: 10-28-81 CONCLUSION: ACCEPTED LETTER TO IND ORG: 01-27-82  
TAC #: 47114  
TITLE: RECEIVED SUPPL DATED 11/81 IN RESPONSE TO REQ #1 FOR ADD INFO

REMARKS: ACCEPTED VERSION DATED 9/82 INCL SUPPL VP1A 2-A, 2B & 2C

RI SYM: XN-NF-82-06-P (P), XN-NF-82-06(NP) (NP)

TITLE: "QUALIFICATION OF EXXON NUCLEAR FUEL FOR EXTENDED BURNUP" REV 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH          | REVIEWER                               | REV<br>INIT              | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|---------------------------|--|--------------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB<br>RSB<br>CPB<br>AEB | MORAN<br>MITCHELL<br>DUNENFELD<br>WOHL | DKM<br>JNM<br>MSD<br>MLW | 48067         | 03-11-82       |                  |                  | 01-13-83             |                  |

REMARKS: RAI-03-31-83 RAI #2 01-13-84 RESPONSE TO RAI #2-Q 4-16-84, SUPPL 1 04-17-84

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| INDUSTRY ORGANIZATION: EXXON |  
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RI SYM: XN-NF-82-07A (P), XN-NF-82-07(NP) (NP) SUBMIT DATE: 03-12-82 CONCLUSION: ACCEPTED LETTER TO IND ORG: 10-14-82  
TAC #: 48080  
TITLE: TR "EXXON NUCLEAR COMPANY ECCS CLADDING SWELLING AND RUPTURE MODEL REV1

REMARKS: REV 1 DATED 8/82

RI SYM: XN-NF-82-09 (P), (NP)

TITLE: GENERIC MECHANICAL DESIGN REPORT EXXON NUCLEAR 14X14 FUEL ASSEMBLIES FOR CE REACTORS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER    | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE     |
|------------|-----------|------------------|-------------|-------------|---------------|----------------|------------------|------------------|----------------------|----------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB      | MORAN<br>WU | DKM<br>SDW  | 49140         | 11-17-82       |                  | 05-31-83         |                      | 08-09-83<br>07-29-83 |

REMARKS: REVIEW COMMENT & PREPARE SER FOR ST LUCIE UNIT I CYCLE 4

RI SYM: XN-NF-82-20(P) (P), XN-NF-82-20(NP)

TITLE: EXXON NUCLEAR CO. EVALUATION MODEL EXEM/PWR ECS MODEL UPDATES SUP 1 REV 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH                 | REVIEWER                               | REV<br>INIT                     | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|----------------------------------|--|---------------------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | RSB<br>CPB<br>RSB<br>CPB<br>SSPB | LAUBEN<br>GILL<br>JONES<br>WU<br>MORAN | NGL<br>ABG<br>RHJ<br>SDW<br>DKM | 48010         | 07-08-83       |                  |                  |                      |                  |

REMARKS: REV 1 DATED AUG 82 SUPERSEDES ORIGINAL & SUPPL 1 SUPPL 2&3 REMAIN VALID

RI SYM: XN-NF-82-21(P) (P), XN-NF-82-21(NP) SUBMIT DATE: 03-12-82 CONCLUSION: ACCEPTED LETTER TO IND ORG: 08-26-83  
TAC #: 48068  
TITLE: TR "APPLICATION OF EXXON NUCLEAR CO PWR THERMAL MARGIN METHODOLOGY TO MIXED CORE CONFIGURATIONS

REMARKS: REV1 DATED 9/82

RI SYM: XN-NF-82-25(P) (P), XN-NF-82-25(NP) SUBMIT DATE: 04-16-82 CONCLUSION: ACCEPTED LETTER TO IND ORG: 01-11-83  
TAC #: 48340  
TITLE: TR "GENERIC MECHANICAL DESIGN REPORT EXXON 17X17 FUEL ASSEMBLY"

REMARKS: RFAI #1 RESPONSE DATED 11-24-82 TO RFAI #1



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| INDUSTRY ORGANIZATION: EXXON |  
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RI SYM: XN-74-05 (NP)

TITLE: DESCRIPTION OF EXXON NUCLEAR PLANT TRANSIENT SIMULATION FOR PRESSURIZED WATER REACTORS, REV 1, SUPPL 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| ORB3       | G. LEAR   | SSPB             | MORAN    | DKM         | 03978         | 05-15-75       | 09-01-76         |                  | 01-21-76             |                  |

REMARKS: ACCEPT. REVIEW CRIT BEING ESTABLISHED FOR REV OF ACCIDENT ANALYSIS PROGRAMS, SUPPL 1 SUBMITTED 5/13/76

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RI SYM: XN-74-21 (NP) SUBMIT DATE: 04-16-75 CONCLUSION: WITHDRAWN LETTER TO IND ORG: 01-22-76  
TAC #: 01126  
TITLE: XTHETA: MULTI-NODE HEATUP CODE FOR SINGLE CHANNEL TRANSIENT ANALYSIS, REV. 2

REMARKS: REPORT WITHDRAWN PER EXXON LETTER DATED 01-22-76

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RI SYM: XN-74-25 (NP) SUBMIT DATE: 11-01-74 CONCLUSION: ACCEPTED LETTER TO IND ORG: 04-23-75  
TAC #: 01247  
TITLE: 2DQ: A TWO-DIMENSIONAL QUENCHING MODEL, REV 1

REMARKS:

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RI SYM: XN-74-27A (NP) SUBMIT DATE: 01-23-75 CONCLUSION: ACCEPTED LETTER TO IND ORG: 07-15-75  
TAC #: 01125  
TITLE: BULGEX: A COMPUTER CODE TO DETERMINE THE DEFORMATION AND THE ONSET OF BULGING OF ZIRCALOY FUEL ROD CLADDING, REV 2

REMARKS: ACCEPT INCL REV2 DTD 12/74 & SUPPL 1&2 & REPORT XN-75-7 ACCEPTED VERSION DATED 12/74

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RI SYM: XN-75-01 (NP) SUBMIT DATE: 04-16-75 CONCLUSION: WITHDRAWN LETTER TO IND ORG: 10-03-77  
TAC #: 01588  
TITLE: COMPUTATIONAL SIMULATIONS OF PRESSURIZED WATER REACTOR FULL LENGTH EMERGENCY COOLING HEAT TRANSFER EXPERIMENTS

REMARKS: REPORT WITHDRAWN PER EXXON LETTER DTD 10/3/77

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RI SYM: XN-75-05 (NP) SUBMIT DATE: 04-16-75 CONCLUSION: WITHDRAWN LETTER TO IND ORG: 01-22-76  
TAC #: 01589  
TITLE: SLIX: AN INTERFACE AND DATA SMOOTHING ROUTINE BETWEEN RELAP 4 AND XTHETA

REMARKS: REPORT WITHDRAWN PER EXXON LETTER DATED 01-22-76

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RI SYM: XN-75-06A (NP) SUBMIT DATE: 04-07-75 CONCLUSION: ACCEPTED LETTER TO IND ORG: 12-29-75  
TAC #: 01569  
TITLE: FLOW BLOCKAGE MODEL FOR LOCA ANALYSIS

REMARKS: ACCEPTED VERSION DATED 1/76

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| INDUSTRY ORGANIZATION: FARR CO. |  
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RI SYM: QA-100 (NP)    SUBMIT DATE: 11-00-74          CONCLUSION: WITHDRAWN    LETTER TO IND ORG: 03-21-77  
TAC #: 09023  
TITLE: QA PROGRAM - NUCLEAR POWER PLANT FILTRATION UNIT - FARR CO.

REMARKS:  
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| INDUSTRY ORGANIZATION: FLORIDA POWER & LIGHT |  
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RI SYM: FPLTQAR-1-76 (NP)

TITLE: FLORIDA POWER & LIGHT CO--TOPICAL QUALITY ASSURANCE REPORT REV. 4

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| QAB        | HAASS     | QAB              | GILRAY   | JWG         | 09043         | 06-16-82       |                  |                  |                      | 08-02-82         |

REMARKS:  
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| INDUSTRY ORGANIZATION: FLUOR POWER SYSTEMS |  
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RI SYM: FPI-1 (NP)  
TAC #: 09065

SUBMIT DATE: 04-03-81

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 05-14-81

TITLE: QUALITY ASSURANCE PROGRAM--REV 4

REMARKS:  
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| INDUSTRY ORGANIZATION: FOX INDUSTRIES |  
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RI SYM: FI-1 (NP)

TITLE: FOX-HOWLETT NO SLIP COUPLERS FOR REINFORCING STEEL BARS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 42952         | 08-26-77       |                  |                  |                      |                  |

REMARKS: REVIEW, PREPARE COMMENTS & PREPARE SER  
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| INDUSTRY ORGANIZATION: GENERAL ATOMIC |  
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RI SYM: GA-A12462 (NP)           SUBMIT DATE: 02-08-75   CONCLUSION: WITHDRAWN   LETTER TO IND ORG: 06-14-79
TAC #: 00997
TITLE: SORS: COMPUTER PROGRAMS FOR ANALYZING FISSION PRODUCT RELEASE FROM HTGR CORES DURING TRANSIENT TEMP. EXCUR. - AMEND. 1
REMARKS: REVIEW SUSPENDED, COMPLETION NOT SCHEDULED. DISCUSSED IN NUREG/CR-0354, APRIL 1978.
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RI SYM: GA-A12493 (NP)           SUBMIT DATE: 01-06-75   CONCLUSION: WITHDRAWN   LETTER TO IND ORG: 06-14-79
TAC #: 00906
TITLE: OXIDE-3: A COMPUTER CODE FOR ANALYSIS OF HTGR STEAM OR AIR INGRESS ACCIDENTS - AMENDMENT 1
REMARKS: REVIEW SUSPENDED, COMPLETION NOT SCHEDULED. DISCUSSED IN NUREG/CR-0352, APRIL 1978.
-----
RI SYM: GA-A12692 (NP)           SUBMIT DATE: 10-07-74   CONCLUSION: ACCEPTED    LETTER TO IND ORG: 12-03-75
TAC #: 00900
TITLE: CONTEMPT G - COMPUTER PROGRAM AND ITS APPLICATION TO HTGR CONTAINMENTS & ANALYSIS PROGRAM - AMENDMENT 1
REMARKS: ACCEPTABLE ONLY FOR CALCULATING BLOWDOWN TO THE CONTAINMENT
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RI SYM: GA-A12808 (NP)           SUBMIT DATE: 10-08-74   CONCLUSION: WITHDRAWN   LETTER TO IND ORG: 06-14-79
TAC #: 00904
TITLE: LARGE HTGR STEAM GENERATOR DESIGN VERIFICATION AND SUPPORT PROGRAMS - AMENDMENT 1
REMARKS: REVIEW TERMINATED, REPORT OBSOLETE.
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RI SYM: GA-A12821 (NP)           SUBMIT DATE: 02-10-75   CONCLUSION: ACCEPTED    LETTER TO IND ORG: 10-20-75
TAC #: 00924
TITLE: PCRV DESIGN AND VERIFICATION - AMENDMENT A
REMARKS:
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RI SYM: GA-A12910 (NP)           SUBMIT DATE: 09-26-75   CONCLUSION: ACCEPTED    LETTER TO IND ORG: 12-18-75
TAC #: 00976
TITLE: THERMAL CONDUCTIVITY OF LARGE HTGR FUEL RODS - AMENDMENT A
REMARKS: ACCEPTABLE FOR INTERIM USE FOR DESIGN PURPOSES
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RI SYM: GA-A12946 (NP)           SUBMIT DATE: 10-21-74   CONCLUSION: WITHDRAWN   LETTER TO IND ORG: 03-03-77
TAC #: 01347
TITLE: GASEOUS RADIOACTIVITY LEVELS IN THE PRIMARY COOLANT OF AN HTGR
REMARKS:
-----
RI SYM: GA-A12985 (NP)           SUBMIT DATE: 03-09-76   CONCLUSION: WITHDRAWN   LETTER TO IND ORG: 06-14-79
TAC #: 01541
TITLE: HTGR CORE THERMAL DESIGN METHODS AND ANALYSIS -- AMENDMENT 1
REMARKS: REVIEW TERMINATED.
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T O P I C A L R E P O R T S T A T U S

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| INDUSTRY ORGANIZATION: GENERAL ATOMIC |  
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RI SYM: GA-A13010A (NP)                                   SUBMIT DATE: 07-23-82      CONCLUSION: ACCEPTED                                   LETTER TO IND ORG: 09-23-82  
TAC #: 09000  
TITLE: GENERAL ATOMIC QUALITY ASSURANCE - AMENDMENT 6

REMARKS:

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RI SYM: GA-A13248 (NP)

TITLE: TAP: A PROGRAM FOR ANALYSIS OF HTGR STEAM SUPPLY SYSTEM PERFORMANCE TRANSIENTS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| ADSP       | R. CLARK  | CPB<br>SSPB      | PHILLIPS<br>MORAN | LEP<br>DKM  | 03660         | 02-26-76       |                  |                  |                      |                  |

REMARKS: REVIEW DEFERRED, TO BE COMPLETED BUT NOT NOW ACTIVE.

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RI SYM: GA-A13325 (NP)                                   SUBMIT DATE: 04-18-75      CONCLUSION: WITHDRAWN                                   LETTER TO IND ORG: 06-14-79  
TAC #: 01632  
TITLE: BACK-PRESSURE REQUIREMENT FOR CACS CORE COOLING

REMARKS: REVIEW TERMINATED, REPORT OBSOLETE.

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RI SYM: GA-A1353 (NP)

TITLE: GA-A1353 STATUS OF SAFETY-RELATED QUALIFICATIONS & DESIGN VERIFICATIONS & SUPPORT PROGRAMS IN SUPPORT OF HTGR PSAR'S

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH                          | REVIEWER   | REV<br>INIT                            | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE   |
|------------|-----------|---|--|--|---------------|----------------|------------------|------------------|----------------------|--|
| ADSP       | R. CLARK  | ICB<br>GIB<br>GIB<br>SGEB<br>ADCS<br>SSPB | MILLER<br>MATTU<br>LITTON<br>TAN<br>SCHAUER<br>MORAN | CFM<br>RKM<br>FBL<br>CPT<br>FPS<br>DKM | 01797         |                | 09-30-75         | 10-17-75         |                      | 10-28-76<br>10-29-75<br>10-02-75<br>09-30-75<br>10-08-75 |

REMARKS:

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RI SYM: GA-A14520 (NP)

TITLE: FT. ST.VRAIN - ACCIDENT REANALYSIS USING RECA3 CODE

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| ARB        | WILLIAMS  | RSB<br>SSPB      | SHERON<br>MORAN | BWS<br>DKM  | 04967         | 09-01-77       |                  |                  |                      | 05-05-80         |

REMARKS: REVIEW TO BE COMPLETED BUT NOT NOW ACTIVE.

RI SYM: GA-4 (NP)

TITLE: GA-LTR-4 'AFTER HEAT CALCULATIONS FOR HTGR'

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| ADSP       | A. BOURNIA | CRBR             | CHECK    | PSC         | 00738         |                |                  |                  |                      | 03-20-74         |

REMARKS:

RI SYM: GLP-5640 (NP)

TITLE: SAR USE OF THO2 FERTILE FUEL PARTICLES IN FT ST VRAIN FUEL ELEMENTS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER         | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE     |
|------------|-----------|------------------|------------------|-------------|---------------|----------------|------------------|------------------|----------------------|----------------------|
| ARB        | WILLIAMS  | CPB<br>ORB3      | TOKAR<br>KUZMYCZ | MXT<br>GAK  | 05066         | 07-14-78       |                  |                  |                      | 07-19-79<br>07-17-81 |

REMARKS: REVIEW DEFERRED AT REQUEST OF APPLICANT.

RI SYM: GLP-5683 (NP)

SUBMIT DATE: 03-28-78

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 05-21-79

TAC #: 04985

TITLE: SAFETY ANALYSIS REPORT USE OF H-451 GRAPHITE IN FT ST VRAIN FUEL ELEMENTS

REMARKS:



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RI SYM: APED-5286 (NP) SUBMIT DATE: 08-21-67 CONCLUSION: ACCEPTED LETTER TO IND ORG: 12-13-71  
TAC #: 03853  
TITLE: DESIGN BASIS FOR CRITICAL HEAT FLUX IN BOILING WATER REACTORS

REMARKS:

RI SYM: APED-5446 (NP) SUBMIT DATE: 03-31-67 CONCLUSION: ACCEPTED LETTER TO IND ORG: 12-13-71  
TAC #: 03855  
TITLE: CONTROL ROD VELOCITY LIMITER

REMARKS:

RI SYM: APED-5447 (NP) SUBMIT DATE: 06-03-69 CONCLUSION: ACCEPTED LETTER TO IND ORG: 12-13-71  
TAC #: 03354  
TITLE: DEPRESSURIZATION PERFORMANCE OF THE GENERAL ELECTRIC BOILING WATER REACTOR HIGH PRESSURE COOLANT INJECTION SYSTEM

REMARKS:

RI SYM: APED-5449 (NP) SUBMIT DATE: 06-09-67 CONCLUSION: ACCEPTED LETTER TO IND ORG: 12-13-71  
TAC #: 03849  
TITLE: CONTROL ROD WORTH MINIMIZER

REMARKS:

RI SYM: APED-5450 (NP) SUBMIT DATE: 05-04-67 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 12-13-71  
TAC #: 03834  
TITLE: DESIGN PROVISIONS FOR IN-SERVICE INSPECTION

REMARKS:

RI SYM: APED-5453 (NP) SUBMIT DATE: 05-04-67 CONCLUSION: ACCEPTED LETTER TO IND ORG: 12-13-71  
TAC #: 03841  
TITLE: VIBRATION ANALYSIS AND TESTING OF REACTOR INTERNALS

REMARKS:

RI SYM: APED-5454 (NP) SUBMIT DATE: 10-23-68 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 12-13-71  
TAC #: 03836  
TITLE: METAL WATER REACTIONS - EFFECTS ON CORE COOLING AND CONTAINMENT

REMARKS:

RI SYM: APED-5456 (NP) SUBMIT DATE: 10-24-68 CONCLUSION: ACCEPTED LETTER TO IND ORG: 12-13-71  
TAC #: 03827  
TITLE: IN-CORE NUCLEAR INSTRUMENTATION SYSTEMS FOR OYSTER CREEK UNIT AND NINE MILE POINT UNIT 1 REACTORS

REMARKS:

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RI SYM: NEDE-10792 (P), NEDO-20214 (NP)      SUBMIT DATE: 05-22-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 10-01-74  
TAC #: 01529  
TITLE: GAMMA HEATING DISTRIBUTION IN A BWR LATTICE DURING NORMAL OPERATION AND ACCIDENT CONDITIONS

REMARKS: SEE NCR STAFF STATUS REPORT ON GE - ECCS EVAL. MODEL PAGES 4-10

RI SYM: NEDE-10801A (P), NEDO-10801 (NP)      SUBMIT DATE: 03-30-73      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 11-26-74  
TAC #: 00441  
TITLE: MODELING THE BWR/6 LOSS-OF-COOLANT ACCIDENT: CORE SPRAY AND BOTTOM FLOODING HEAT TRANSFER EFFECTIVENESS

REMARKS: "A" VERSION DATED 06-06-77

RI SYM: NEDE-10958 (P), NEDO-10958A (NP)      SUBMIT DATE: 11-30-73      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 10-24-74  
TAC #: 00748  
TITLE: GENERAL ELECTRIC BWR THERMAL ANALYSIS BASIS (GETAB) DATA CORRELATION AND DESIGN APPLICATION

REMARKS: "A" VERSION DATED 05-18-77

RI SYM: NEDE-20231A (P), NEDO-20231A (NP)      SUBMIT DATE: 02-21-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 11-27-74  
TAC #: 00880  
TITLE: EMERGENCY CORE COOLING TESTS OF AN INTERNALLY PRESSURIZED ZIRCALOY-CLAD, 8 X 8 SIMULATED BWR FUEL BUNDLE

REMARKS: APPROVED FOR REFERENCE. "A" VERSION DATE 04-30-76

RI SYM: NEDE-20566 (P), NEDO-20566 (NP)      SUBMIT DATE: 12-26-80      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 02-04-81  
TAC #: 01196  
TITLE: ANALYTICAL MODEL FOR LOSS OF COOLANT ANALYSES IN ACCORDANCE PARAGRAPH 4 LIMITATION

REMARKS: ISSUED SSER ON BASIC REPT REMOVING REG POSITION #4; ACCEPTED BASIC & AMM 1 & 4 SER AMEND 4 PROPRIETARY

RI SYM: NEDE-20606A (P), NEDO-20606A (NP)      SUBMIT DATE: 08-30-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 04-02-75  
TAC #: 01089  
TITLE: CREEP COLLAPSE ANALYSIS OF BWR FUEL USING SAFE-COLAPS MODEK, AND AMEND. 1

REMARKS: "A" VERSION DATED 9-29-76 NEDO-20605 SUPERCEDED BY 20606

RI SYM: NEDE-20913A (P), NEDO-20913A (NP)      SUBMIT DATE: 06-17-76      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 09-22-76  
TAC #: 03980  
TITLE: LATTICE PHYSICS METHODS

REMARKS: "A" VERSION DATED 4-12-77

RI SYM: NEDE-20922 (P), (NP)      SUBMIT DATE: 07-15-75      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 12-01-81  
TAC #: 01858  
TITLE: EXPERIENCE WITH BWR FUEL THROUGH SEPT. 1974

REMARKS: GE CONSIDERS INFORMATION REPORT - NOT SUBMITTED FOR APPROVAL

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RI SYM: NEDE-20943 (P), NEDO-20943 (NP)      SUBMIT DATE: 02-04-77      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 12-30-81  
TAC #: 04480  
TITLE: URANIA-GADOLINIA NUCLEAR FUEL PHYSICAL & IRRADIATION CHARACTERISTICS AND MATERIAL PROPERTIES  
REMARKS: REV 1 OF NEDE 23785 SUPERSEDES NEDE 20943

RI SYM: NEDE-20944 (P), NEDO-20944 (NP)      SUBMIT DATE: 07-30-76      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 11-08-77  
TAC #: 04291  
TITLE: BWR/4 AND BWR/5 FUEL DESIGN (NA)  
REMARKS: SECTIONS 2 & 3 APPROV 9/30/77; SECTION 4 NOT ACCEPTABLE TO AB; LETTER TO GE 11/8/77.

RI SYM: NEDE-20948 (P), NEDO-20948 (NP)      SUBMIT DATE: 02-20-76      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 02-13-78  
TAC #: 03998  
TITLE: BWR/6 FUEL DESIGN, AMEND. 1  
REMARKS: ACCEPTED SECTIONS 4.2 & 4.3; SECTION 4.4 AND 15 NOT ACCEPTED

RI SYM: NEDE-21021 (P), NEDO-21021 (NP)  
TITLE: TEST PROGRAM FOR BWR CONTROL ROD DRIVE COLLET RETAINER TUBES; BWR MODELS 2, 3, & 4

| REQ ORG | REQUESTER | REVIEW BRANCH | REVIEWER | REV INIT | TAC NUMBER | SUBMIT DATE | REQ TARG DATE | EST COMP DATE | ADD INFO REQ DATE | REV COMP DATE |
|---------|-----------|---------------|----------|----------|------------|-------------|---------------|---------------|-------------------|---------------|
| SEPB    | R SILVER  | SSPB          | MORAN    | DKM      | 06006      | 06-23-76    |               |               |                   |               |

REMARKS:

RI SYM: NEDE-21056-1-P (P), NEDO-21056 (NP)  
TITLE: N66 SJAE OFF-GAS TREATMENT SYSTEM

| REQ ORG | REQUESTER | REVIEW BRANCH | REVIEWER     | REV INIT | TAC NUMBER | SUBMIT DATE | REQ TARG DATE | EST COMP DATE | ADD INFO REQ DATE | REV COMP DATE |
|---------|-----------|---------------|--------------|----------|------------|-------------|---------------|---------------|-------------------|---------------|
| LWR3    | R. CAPRA  | RAB SSPB      | HINSON MORAN | XCH DKM  | 04578      | 04-01-77    |               |               | 02-15-79          |               |

REMARKS: GE RESPONSE RECEIVED 10/78; ERRATA AND ADDENDA TO AMEND. 1 RECEIVED BY LETTER DATED 9/7/79.

RI SYM: NEDE-21069 (P), NEDO-21069 (NP)      SUBMIT DATE: 12-09-75      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 12-01-81  
TAC #: 03090  
TITLE: MARK III CONTAINMENT SEISMIC SLOSH  
REMARKS: CLASSIFIED BY GE AS AN INFORMATION REPORT

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RI SYM: NEDE-21175 (P), NEDO-21175 (NP)      SUBMIT DATE: 11-30-76      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-17-79  
TAC #: 04376  
TITLE: BWR/6 FUEL ASSEMBLY EVALUATION OF COMBINED SSE AND LOCA LOADINGS, AMEND 1, AMEND 2  
REMARKS: ANALYTICAL METHODS ONLY ACCEPTABLE FOR REFERENCING.

RI SYM: NEDE-21175(P)AMMD3 (P), NEDO-21175 (NP)  
TITLE: BWR/6 FUEL ASSEMBLY EVALUATION OF COMBINED SSE & LOCA LOADINGS (AMENDMENT NO 3)

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER    | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE     |
|------------|-----------|------------------|-------------|-------------|---------------|----------------|------------------|------------------|----------------------|----------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB      | MORAN<br>WU | DKM<br>SDW  | 48631         | 07-27-82       |                  |                  |                      | 10-20-83<br>08-29-83 |

REMARKS: REVIEW COMMENT & PREPARE SER SUPPORTS LA SALLE

RI SYM: NEDE-21282A (P), NEDO-21282A (NP)      SUBMIT DATE: 05-10-77      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 01-03-78  
TAC #: 04264  
TITLE: GE DENSIFICATION PROGRAM STATUS  
REMARKS: "A" VERSION DATED 03-07-78

RI SYM: NEDE-21354 (P), NEDO-21354 (NP)  
TITLE: BWR FUEL CHANNEL MECHANICAL DESIGN AND DEFLECTION

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER           | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR3       | R. CAPRA  | SSPB<br>CPB      | MORAN<br>DUNENFELD | DKM<br>MSD  | 04272         | 09-24-76       |                  |                  | 06-09-77             |                  |

REMARKS: RSB REVIEW COMPLETE; CPB REVIEW DELAYED.

RI SYM: NEDE-21596-P (P), NEDO-21596 (NP)  
TITLE: MARK III CONFIRMATORY TEST PROGRAM - 1/3 SCALE CONDENSATION AND STRATIFICATION PHENOMENA - TEST SERIES 5807

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR3       | R. CAPRA  | SSPB             | MORAN    | DKM         | 04675         | 08-25-77       |                  |                  |                      |                  |

REMARKS:



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RI SYM: NEDE-21606 (P), NEDO-21606 (NP)

TITLE: MARK III 1/3 AREA SCALE SUBMERGED STRUCTURE TEST

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR3       | R. CAPRA  | SSPB             | MORAN    | DKM         | 04767         | 11-18-77       |                  |                  |                      |                  |

REMARKS:

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RI SYM: NEDE-21821 (P), NEDO-21821 (NP)      SUBMIT DATE: 09-04-79      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-01-80  
TAC #: 07006  
TITLE: BOILING WATER REACTOR FEEDWATER NOZZLE/SPARGER FINAL REPORT, SUPPL 1.

REMARKS: GE CONSIDERS INFORMATION REPORT

RI SYM: NEDE-22148 (P), NEDO-22148 (NP)

TITLE: EXTENDED BURNUP EVALUATION TECHNOLOGY

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH   | REVIEWER                   | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|--------------------|----------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>AEB<br>CPB | MORAN<br>WOHL<br>DUNENFELD | DKM<br>MLW<br>MSD | 48568         | 06-25-82       | 06-00-83         |                  | 04-04-83             |                  |

REMARKS: REVIEW COMMENT & PREPARE SER

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RI SYM: NEDE-22290 (P), (NP)      SUBMIT DATE: 06-25-82      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 08-22-83  
TAC #: 51582  
TITLE: "SAFETY EVALUATION OF THE GENERAL ELECTRIC HYBRID I CONTROL ROD ASSEMBLY"

REMARKS:

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RI SYM: NEDE-23785 (P), NEDO-23785 (NP)      SUBMIT DATE: 03-21-78      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 12-30-81  
TAC #: 04848  
TITLE: GESTR, A MODEL FOR PREDICTION OF GE BWR FUEL ROD THERMAL/MECHANICAL PERFORMANCE

REMARKS: SUPERCEDED BY NEDE 23785-1(P) 11/25/80

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RI SYM: NEDE-23785-1 (P), NEDO (NP)      SUBMIT DATE: 12-30-81      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 11-02-83  
TAC #: 47836  
TITLE: RFAI #3 OF COOLANT ACCIDENT VOLS I & II REV 1

REMARKS: REC'D RESPONSE DATED 10/7/82 TO RFAI #1 RESP REVISED DTD 11-12-82 RFAI#2, RFAI#3

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RI SYM: NEDE-23785-1(P) (P), (NP) SUBMIT DATE: 10-06-83 CONCLUSION: ACCEPTED LETTER TO IND ORG: 06-01-84  
TAC #: 52564  
TITLE: APPENDICES TO VOLUME III OF GE'S LOCA EVALUATION MODEL & REPLACEMENT PAGES TO BASE DOCUMENT

REMARKS:

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RI SYM: NEDE-23786-1 (P), NEDO-23786 (NP) SUBMIT DATE: 05-25-78 CONCLUSION: ACCEPTED LETTER TO IND ORG: 11-20-78  
TAC #: 04856  
TITLE: FUEL ROD PREPRESSURIZATION; AMEND. 1

REMARKS: AMEND. 1, BASED ON GEGAP-III APPROVED; GESTR BASED REPORT PENDING.

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RI SYM: NEDE-24010 (P), NEDO-24010 (NP) SUBMIT DATE: 08-01-77 CONCLUSION: ACCEPTED LETTER TO IND ORG: 06-19-80  
TAC #: 43182  
TITLE: TR BASIS FOR COMBINATION OF EARTHQUAKE AND OTHER TRANSIENT RESPONSES BY THE SQ. ROOT SUM OF SQUARES METHOD

REMARKS: ACCEPT INCLUDES SUPPL. 1 THRU 3

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RI SYM: NEDE-24011 (P), (NP)

TITLE: NEDE-24011 "GENERAL ELECTRIC STANDARD APPLICATION FOR REACTOR FUEL - AMEND 7

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER    | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | CPB<br>SSPB      | WU<br>MORAN | SDW<br>DKM  | 54474         | 12-19-83       |                  |                  |                      |                  |

REMARKS:

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RI SYM: NEDE-24011-A-3 (P), NEDO-24011-A3 (NP) SUBMIT DATE: 09-08-81 CONCLUSION: ACCEPTED LETTER TO IND ORG: 04-16-81  
TAC #: 06147  
TITLE: TR "GENERIC RELOAD FUEL APPLICATION" REV2

REMARKS: RECD REV3 INCORPORATING ADMIN CHG & REPLACING APP D; RECD PROPOSED ADM CHG AMEND 12

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RI SYM: NEDE-24011-PA-4 (P), NEDO-24011-PA4(NP) SUBMIT DATE: 01-29-82 CONCLUSION: ACCEPTED LETTER TO IND ORG: 04-23-82  
TAC #: 47896  
TITLE: GE STANDARD APPLICATION FOR REACTOR, REV 6

REMARKS: RECD 8/5/82 SUBMITTAL OF TABLES 1-135 OF NUCLEAR CHARACTERISTICS



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RI SYM: NEDE-24011-PA-4 (P), (NP)

TITLE: GE STANDARD APPLICATION FOR REACTOR FUEL - BARRIER FUEL AMENDMENT

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER       | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB      | MORAN<br>TOKAR | DKM<br>MXT  | 49155         | 11-19-82       | 02-28-83         |                  |                      | 03-29-83         |

REMARKS: REVIEW COMMENT & PREPARE SER

RI SYM: NEDE-24011REV6 (P), (NP)

TITLE: GESTAR II - GE STANDARD APPLICATION FOR REACTOR FUEL

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER         | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB<br>CPB      | MORAN<br>SCHWENK | DKM<br>GES  | 53361         |                |                  |                  |                      |                  |

REMARKS:

RI SYM: NEDE-24057-PA (P), NEDO-24057-A (NP) SUBMIT DATE: 12-01-77 CONCLUSION: ACCEPTED LETTER TO IND ORG: 10-28-80  
TAC #: 04768  
TITLE: ASSESSMENT OF REACTOR INTERNALS VIBRATION IN BWR/4 AND BWR/5 PLANTS

REMARKS: REC'D ACCEPTED VERSION NEDO24057A & NEDE24057PA DATED 4/81 NEDE24057PA DATED 4/87

RI SYM: NEDE-24076-1-P (P), NEDO-24076-1 (NP)

TITLE: DESIGN REPORT & SAFETY EVALUATION FOR HIGH DENSITY FUEL STORAGE SYSTEM

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR3       | R. CAPRA  | CPB<br>SSPB      | BROOKS<br>MORAN | WXB<br>DKM  | 04782         | 12-22-77       |                  | 09-30-81         |                      |                  |

REMARKS: AMEND. 1 RECEIVED VIA LETTER DATED 6/8/79.

RI SYM: NEDE-24142 (NP) SUBMIT DATE: 12-22-77 CONCLUSION: WITHDRAWN LETTER TO IND ORG: 12-01-81  
TAC #: 05162  
TITLE: FAST SCRAM CONTROL ROD DRIVE QUALIFICATION PROGRAM

REMARKS: NOT SUBMITTED AS TOPICAL REPORT SEE GESSAR

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RI SYM: NEDE-24154-P (P), NEDO-24154 (NP)      SUBMIT DATE: 12-15-78      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 02-04-81  
TAC #: 05139  
TITLE: QUALIFICATION OF ONE DIMENSIONAL CORE TRANSIENT MODEL FOR BWR  
REMARKS: NEDO 24154 VOL I&II N. PROP NEDE 24154 VOL III PROP

RI SYM: NEDE-24284P (P), (NP)

TITLE: TR \*ASSESSMENT OF FUEL-ROD BOWING IN GENERAL ELECTRIC BOILING WATER REACTORS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE     | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|----------------------|----------------------|------------------|
| SSPB       | BERGGREN  | CPB<br>SSPB      | POWERS<br>MORAN | DAP<br>DKM  | 43379         | 12-23-80       |                  | 01-15-83<br>09-30-81 | 11-02-81             | 03-08-83         |

REMARKS: RESPONSE RECD TO RFAI 1&2 RESP DTD 4/6/82

RI SYM: NEDE-30130 (P), (NP)      SUBMIT DATE: 07-21-83      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-22-83  
TAC #: 52108  
TITLE: NEDE-30130, "STEADY STATE NUCLEAR METHODS" NUCLEAR METHODS"

REMARKS:

RI SYM: NEDE-30284(P) (P), (NP)

TITLE: TOPICAL REPORT \*LICENSING TOPICAL REPORT FOR THE GENERAL ELECTRIC EMERGENCY RESPNSE INFORMATION SYSTEM"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER      | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|---------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB<br>ORB5     | MORAN<br>DICK | DKM<br>GFD  | 53348         | 12-09-83       |                  |                  |                      |                  |

REMARKS:

RI SYM: NEDM-10498 (P), (NP)      SUBMIT DATE: 01-00-72      CONCLUSION: NOT ACCEPTED      LETTER TO IND ORG: 12-13-71  
TAC #: 03839  
TITLE: INTERIM REPORT - SYSTEM CRITERIA AND APPLICATIONS FOR PROTECTION AGAINST THE DYNAMIC EFFECTS OF PIPE BREAK

REMARKS:

RI SYM: NEDM-10735 (NP)      SUBMIT DATE: 12-00-72      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-14-73  
TAC #: 03826  
TITLE: DENSIFICATION CONSIDERATIONS IN BWR FUEL DESIGN AND PERFORMANCE

REMARKS: RESPONSES TO QUESTIONS ON NEDM 10735 ARE CONTAINED IN NEDO 20134 THROUGH 20138

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RI SYM: NEDO-10017 (NP)                      SUBMIT DATE: 12-12-71    CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 12-13-71  
TAC #: 03850  
TITLE: FIELD TESTING REQUIREMENTS FOR FUEL, CURTAINS AND CONTROL RODS

REMARKS:

RI SYM: NEDO-10045 (NP)                      SUBMIT DATE: 11-21-69    CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 12-13-71  
TAC #: 03831  
TITLE: CONSEQUENCES OF A STEAM LINE BREAK IN A GENERAL ELECTRIC BOILING WATER REACTOR

REMARKS:

RI SYM: NEDO-10115 (NP)                      SUBMIT DATE: 07-00-69    CONCLUSION: NOT ACCEPTED                      LETTER TO IND ORG: 12-31-71  
TAC #: 03835  
TITLE: MECHANICAL AND MATERIAL SURVEILLANCE OF GENERAL ELECTRIC BWR PRESSURE VESSELS

REMARKS:

RI SYM: NEDO-10139 (NP)                      SUBMIT DATE: 06-24-70    CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 12-13-71  
TAC #: 03838  
TITLE: COMPLIANCE OF PROTECTION SYSTEMS TO INDUSTRY CRITERIA: GENERAL ELECTRIC BWR NUCLEAR STEAM SUPPLY SYSTEM

REMARKS:

RI SYM: NEDO-10174 (NP)

TITLE: CONSEQUENCES OF A POSTULATED FLOW BLOCKAGE INCIDENT IN A BOILING WATER REACTOR, REV. 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| DPM        | R. CAPRA  | CPB<br>SSPB      | PHILLIPS<br>MORAN | LEP<br>DKM  | 03824         | 10-28-77       |                  |                  |                      |                  |

REMARKS: RESUBMITTED AS REVISION 1 TO BE WITHDRAWN FOR TOPICAL REPORT APPROVAL

RI SYM: NEDO-10179 (NP)                      SUBMIT DATE: 07-09-70    CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 12-13-71  
TAC #: 03845  
TITLE: EFFECTS OF CLADDING TEMPERATURE AND MATERIAL ON ECCS PERFORMANCE

REMARKS:

RI SYM: NEDO-10189 (NP)                      SUBMIT DATE: 10-26-70    CONCLUSION: NOT ACCEPTED                      LETTER TO IND ORG: 12-13-71  
TAC #: 03830  
TITLE: AN ANALYSIS OF FUNCTIONAL COMMON MODE FAILURES IN GE BOILING WATER REACTOR PROTECTION & CONTROL INSTRUMENTATION

REMARKS:

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RI SYM: NEDO-10208 (NP) SUBMIT DATE: 10-08-70 CONCLUSION: ACCEPTED LETTER TO IND ORG: 12-13-71  
TAC #: 03823  
TITLE: EFFECTS OF FUEL ROD FAILURE ON ECCS PERFORMANCE

REMARKS:

RI SYM: NEDO-10299A (NP) SUBMIT DATE: 03-17-71 CONCLUSION: ACCEPTED LETTER TO IND ORG: 10-01-74  
TAC #: 03847  
TITLE: CORE FLOW DISTRIBUTION IN A MODERN BOILING WATER REACTOR AS MEASURED IN MONTICELLO

REMARKS: "A" VERSION DATED 10-29-76

RI SYM: NEDO-10320 (NP) SUBMIT DATE: 03-31-71 CONCLUSION: ACCEPTED LETTER TO IND ORG: 09-07-73  
TAC #: 03844  
TITLE: THE GENERAL ELECTRIC PRESSURE SUPPRESSION CONTAINMENT ANALYTICAL MODEL APRIL 1972. SUPPL. 1 MAY 71, SUPPL. 2 JAN. 73

REMARKS:

RI SYM: NEDO-10329 (NP) SUBMIT DATE: 04-08-71 CONCLUSION: ACCEPTED LETTER TO IND ORG: 12-13-71  
TAC #: 03837  
TITLE: LOSS-OF-COOLANT ACCIDENT AND EMERGENCY CORE COOLING MODELS FOR GENERAL ELECTRIC BOILING WATER REACTORS, SUPPL. 14

REMARKS:

RI SYM: NEDO-10349 (NP) SUBMIT DATE: 04-30-71 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 12-13-71  
TAC #: 03833  
TITLE: ANALYSIS OF ANTICIPATED TRANSIENTS WITHOUT SCRAM

REMARKS:

RI SYM: NEDO-10466A (NP) SUBMIT DATE: 09-29-77 CONCLUSION: ACCEPTED LETTER TO IND ORG: 02-11-81  
TAC #: 04699  
TITLE: POWER GENERATION CONTROL COMPLEX DESIGN CRITERIA AND SAFETY EVALUATION, REV. 2

REMARKS: ADDENDA 2 IS ACCEPTED VERSION OF ADDEN 1

RI SYM: NEDO-10510 (NP) SUBMIT DATE: 05-19-72 CONCLUSION: ACCEPTED LETTER TO IND ORG: 10-25-72  
TAC #: 03829  
TITLE: JET LOADING ON PRIMARY CONTAINMENT VESSEL

REMARKS:

RI SYM: NEDO-10527 (NP) SUBMIT DATE: 05-25-72 CONCLUSION: ACCEPTED LETTER TO IND ORG: 04-17-74  
TAC #: 03816  
TITLE: ROD DROP ACCIDENT ANALYSIS FOR LARGE BWR'S

REMARKS: ACCEPTANCE INCLUDES SUPPLE 1&2.

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RI SYM: NEDO-10565 (NP) SUBMIT DATE: 06-30-72 CONCLUSION: ACCEPTED LETTER TO IND ORG: 09-28-73  
TAC #: 03817  
TITLE: TESTING OF CRUCIFORM CONTROL ROD FOR BWR/6

REMARKS: ACCEPTED AS DOCUMENTING RESULTS OF FUNCTIONAL TESTING ONLY

RI SYM: NEDO-10569A (NP) SUBMIT DATE: 05-30-72 CONCLUSION: ACCEPTED LETTER TO IND ORG: 06-01-72  
TAC #: 03818  
TITLE: BWR/6 NUCLEAR SYSTEM FROM GENERAL ELECTRIC - A PERFORMANCE DESCRIPTION

REMARKS: "A" VERSION IS EDITORIAL REVISION

RI SYM: NEDO-10571 (NP) SUBMIT DATE: 06-06-72 CONCLUSION: ACCEPTED LETTER TO IND ORG: 01-17-73  
TAC #: 03819  
TITLE: GENERAL ELECTRIC BOILING WATER REACTOR MARK III CONTAINMENT CONCEPT

REMARKS:

RI SYM: NEDO-10602 (NP) SUBMIT DATE: 07-25-72 CONCLUSION: ACCEPTED LETTER TO IND ORG: 10-10-72  
TAC #: 03820  
TITLE: TESTING OF IMPROVED JET PUMP FOR THE BWR/6 NUCLEAR SYSTEM

REMARKS:

RI SYM: NEDO-10625 (NP) SUBMIT DATE: 06-01-73 CONCLUSION: WITHDRAWN LETTER TO IND ORG: 05-12-75  
TAC #: 00642  
TITLE: NEDO-10625 POWER GENERATION IN BWR FOLLOWING NORMAL SHUTDOWN OF LOCA CONDITIONS

REMARKS: GE WITHDREW FROM TECH REVIEW 5/12/75 LTR

RI SYM: NEDO-10677 (NP) SUBMIT DATE: 10-30-72 CONCLUSION: ACCEPTED LETTER TO IND ORG: 10-19-73  
TAC #: 03821  
TITLE: ANALYSIS OF RECIRCULATION PUMP OVERSPEED IN TYPICAL GENERAL ELECTRIC BOILING WATER REACTOR

REMARKS:

RI SYM: NEDO-10678 (NP) SUBMIT DATE: 11-28-72 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 11-08-74  
TAC #: 03822  
TITLE: SEISMIC QUALIFICATION OF CLASS I ELECTRIC EQUIPMENT

REMARKS:

RI SYM: NEDO-10698 (NP) SUBMIT DATE: 11-28-72 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 03-16-74  
TAC #: 00292  
TITLE: ENVIRONMENTAL QUALIFICATION OF CLASS I CONTROL AND INSTRUMENTATION EQUIPMENT

REMARKS:

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RI SYM: NEDO-10722A (NP) SUBMIT DATE: 12-26-72 CONCLUSION: ACCEPTED LETTER TO IND ORG: 10-01-74  
TAC #: 00387  
TITLE: CORE FLOW DISTRIBUTION IN A GENERAL ELECTRIC BOILING WATER REACTOR AS MEASURED IN QUAD CITIES UNIT 1  
REMARKS: "A" VERSION DATE 10-05-76

RI SYM: NEDO-10734 (NP) SUBMIT DATE: 01-29-73 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 08-13-74  
TAC #: 00679  
TITLE: A GENERAL JUSTIFICATION FOR CLASSIFICATION OF EFFLUENT TREATMENT SYSTEM EQUIPMENT AS GROUP D  
REMARKS:

RI SYM: NEDO-10739 (NP) SUBMIT DATE: 01-29-73 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 05-07-74  
TAC #: 00681  
TITLE: METHODS FOR CALCULATING SAFE TEST INTERVALS AND ALLOWABLE REPAIR TIMES FOR ENGINEERED SAFEGUARD SYSTEMS  
REMARKS:

RI SYM: NEDO-10751 (NP) SUBMIT DATE: 01-26-73 CONCLUSION: ACCEPTED LETTER TO IND ORG: 12-03-76  
TAC #: 00680  
TITLE: NEDO-10751 - EXPERIMENTAL AND OPERATIONAL CONFIRMATION OF OFFGAS SYSTEM DESIGN PARAMETERS (1/73) GENERAL ELECTRIC CO.  
REMARKS:

RI SYM: NEDO-10802 (NP)  
TITLE: ANALYTICAL METHODS OF PLANT TRANSIENT EVALUATIONS FOR THE GE BWR, AND AMEND. 1 & 2

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR4       | R. CAPRA  | SSPB             | MORAN    | DKM         | 00472         | 07-14-75       |                  |                  |                      |                  |

REMARKS: THIS REPORT IS BEING REVIEWED AS PART OF THE G.E. ATWS GENERIC REVIEW

RI SYM: NEDO-10846 (NP)  
TITLE: BWR CORE SPRAY DISTRIBUTION

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | W. PAULSON | SSPB             | MORAN    | DKM         | 00494         | 05-29-73       |                  |                  | 01-31-74             |                  |

REMARKS: REVIEW SUSPENDED PENDING G.E. FILING A FUTURE SUPPLEMENT



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RI SYM: NEDO-10859 (NP) SUBMIT DATE: 05-10-73 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 09-12-74  
TAC #: 00461  
TITLE: STEAM VENT CLEARING PHENOMINA AND STRUCTURAL RESPONSE OF THEBWR TORUS (MARK I CONTAINMENT)

REMARKS:

RI SYM: NEDO-10871 (NP) SUBMIT DATE: 05-31-73 CONCLUSION: ACCEPTED LETTER TO IND ORG: 10-02-73  
TAC #: 00502  
TITLE: TECHNICAL DEVIATION OF BWR 1972 DESIGN BASIS RADIOACTIVE MATERIALS SOURCE TERMS

REMARKS:

RI SYM: NEDO-10905 (NP) SUBMIT DATE: 12-03-74 CONCLUSION: ACCEPTED LETTER TO IND ORG: 04-07-80  
TAC #: 00554  
TITLE: HIGH-PRESSURE CORE SPRAY SYSTEM SUPPLY UNIT, AND AMEND. 1

REMARKS: TEST PROCEDURE APPROVED; REVIEW COMPLETION AFTER TEST RESULTS SUBMITTED BY GE

RI SYM: NEDO-10905-3 (NP)  
TITLE: TR HIGH - PRESSURE CORE SPRAY SYSTEM POWER SUPPLY UNIT - AMEND 3

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 48985         | 07-23-82       |                  |                  |                      |                  |

REMARKS: REVIEWED & COMMENT ON GE LTR SHERWOOD TO DENTON 7/23/82

RI SYM: NEDO-10939 (NP) SUBMIT DATE: 07-31-73 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 04-04-74  
TAC #: 00599  
TITLE: PLANT/OPERATOR INTERFACE OF THE NUCLINET 1000 CENTRAL COMPLEX

REMARKS:

RI SYM: NEDO-10977 (NP) SUBMIT DATE: 09-10-73 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 03-01-74  
TAC #: 00629  
TITLE: DRYWELL INTEGRITY STUDY INVESTIGATION OF POTENTIAL CRACKING FOR BWR/6 MARK III CONTAINMENT

REMARKS:

RI SYM: NEDO-11013-77 (NP) SUBMIT DATE: 05-00-72 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 11-07-72  
TAC #: 03840  
TITLE: AN ANALYTICAL PROCEDURE FOR THE CONSERVATIVE CALCULATION OF CORE METAL-WATER REACTION FOLLOWING A DESIGN BASIS LOCA

REMARKS:







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RI SYM: NEDO-21059 (NP)

TITLE: BWR RADIOACTIVE WASTE TREATMENT SYSTEM

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| DPM        | R. CAPRA  | RAB<br>SSPB      | HINSON<br>MORAN | XCH<br>DKM  | 04654         | 12-01-77       |                  |                  | 04-19-79             |                  |

REMARKS: AMENDED 09-28-78

RI SYM: NEDO-21159 (NP) SUBMIT DATE: 03-25-76 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 11-05-76  
TAC #: 03693  
TITLE: AIRBORNE RELEASES FROM BWRS FOR ENVIRONMENTAL IMPACT EVALUATIONS

REMARKS: GE PLANS TO RECLASSIFY AS INFORMATION REPORT

RI SYM: NEDO-21231 (NP) SUBMIT DATE: 02-08-77 CONCLUSION: ACCEPTED LETTER TO IND ORG: 01-17-78  
TAC #: 04539  
TITLE: BANKED POSITION WITHDRAWAL SEQUENCE

REMARKS:

RI SYM: NEDO-21424 (NP)

TITLE: 238 NUCLEAR ISLAND CONTAINMENT BYPASS LEAKAGE SEALING & TESTING METHODS AND AMEND. NO. 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | R. CAPRA  | ASB<br>SSPB      | LEFAVE<br>MORAN | WTL<br>DKM  | 04353         | 11-03-76       |                  |                  | 12-07-77             | 03-17-78         |

REMARKS: GE RESPONSE TO 12/7/77 REQUEST RECEIVED 2/2/78; GE LTR 043079

RI SYM: NEDO-21506 (NP)

TITLE: STABILITY AND DYNAMIC PERFORMANCE OF GE BOILING WATER REACTOR

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR3       | R. CAPRA  | SSPB             | MORAN    | DKM         | 04610         | 02-07-77       |                  |                  |                      |                  |

REMARKS:



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RI SYM: NEDO-23978 (NP)

TITLE: ADS SOLENOID VALVE RELIABILITY DEMONSTRATION

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SB         | KANE      | SSPB             | MORAN    | DKM         | 05168         |                |                  |                  |                      |                  |

REMARKS:

RI SYM: NEDO-24048 (NP)

TITLE: EVALUATION OF ACOUSTIC PRESSURE LOADS ON BWR/6 INTERNAL COMPONENTS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER         | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR3       | R. CAPRA  | MEB<br>SSPB      | BRAMMER<br>MORAN | HLB<br>DKM  | 05064         | 09-29-78       |                  |                  |                      |                  |

REMARKS: GESSAR POST-PDA ISSUE, EXEMPT FROM FEES.

RI SYM: NEDO-24083 (NP)

TITLE: RECIRCULATION PUMP SHAFT SEAL LEAKAGE ANALYSIS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SB         | KANE      | RSB<br>SSPB      | HODGES<br>MORAN | MWH<br>DKM  | 05167         | 12-12-78       |                  |                  |                      |                  |

REMARKS:

RI SYM: NEDO-24259A (NP)      SUBMIT DATE: 03-19-81      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 11-12-80  
TAC #: 42329  
TITLE: TR "GENERIC INFORMATION FOR BARRIER FUEL BUNDLE LICENSING"

REMARKS: ACCEPTED VERSION DATED 2/81

RI SYM: NEDO-24712 (NP)      SUBMIT DATE: 08-17-79      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 01-30-81  
TAC #: 43410  
TITLE: "COPE SPRAY DESIGN METHODOLOGY CONFIRMATION TESTS" TESTS"

REMARKS: NOT SUBMITTED FOR APPROVAL; INFORMATION ONLY

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RI SYM: GAI-TR-101 (P), GAI-TR-101 (NP)      SUBMIT DATE: 02-19-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 07-24-75  
TAC #: 00852  
TITLE: COMPUTATION OF RADIOLOGICAL CONSEQUENCES USING INHEC COMPUTER PROGRAM

REMARKS:

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RI SYM: GAI-TR-102 (NP)      SUBMIT DATE: 01-19-74      CONCLUSION: NOT ACCEPTED      LETTER TO IND ORG: 04-22-76  
TAC #: 00798  
TITLE: DESIGN PARAMETERS FOR TORNADO GENERATED MISSILES

REMARKS:

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RI SYM: GAI-TR-103 (P), GAI-TR-103 (NP)

TITLE: FLUID HISTORY COMPUTATION METHODS FOR REACTOR SAFEGUARDS PROBLEMS

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | H. CHAKOFF | SSPB             | MORAN    | DKM         | 04458         | 12-29-76       | 02-23-78         |                  | 08-30-77             |                  |

REMARKS: WITHHOLDING DISAPPROVED 9-22-77

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RI SYM: GAI-TR-104 (P), GAI-TR-104 (NP)      SUBMIT DATE: 12-10-76      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 08-12-77  
TAC #: 04457  
TITLE: ANALYSIS OF STHRUST AND JET INFRINGEMENT FORCES USING THE JIP COMPUTER PROGRAM

REMARKS: APPROVED REPORT GAI-TR-104 P-A SUBMITTED 2/24/78 DTD 2/78; WITHHOLDING APPROVED 7/26/77

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RI SYM: GAI-TR-105 (P), GAI-TR-105 (NP)      SUBMIT DATE: 01-17-77      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 03-29-78  
TAC #: 04454  
TITLE: HYDRAULIC ANALYSIS OF PIPING NETWORK USING PIPF COMPUTER PROGRAM

REMARKS: RECD APPVD RPTS 6/29/78 DTD 6/78 SUBJECT TO VERIFICATION OF ASSUMPTIONS FOR EACH USE; WITHHOLDING APP 7/29/77

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RI SYM: GAI-TR-106 (NP)      SUBMIT DATE: 12-18-79      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 02-25-80  
TAC #: 09163  
TITLE: QUALITY ASSURANCE PROGRAM FOR NUCLEAR POWER PLANTS DESCRIPTIONS, REV. 2A

REMARKS:



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| INDUSTRY ORGANIZATION: GULF & WESTERN |  
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RI SYM: FSD-2538 (NP)

TITLE: GULF & WESTERN TOPICAL REPORT: MAIN STEAM ISOLATION VALVE SYSTEMS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | ROOD      | SSPB<br>EQB      | MORAN<br>WRIGHT | DKM<br>RFW  | 05395         | 01-24-79       |                  |                  | 10-21-82             | 03-29-84         |

REMARKS: RFAI #1  
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| INDUSTRY ORGANIZATION: H. H. ROBERTSON CO. |  
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RI SYM: HHR-1 (P), HHR-1 (NP)

TITLE: COMPOSITE STEEL PANELS FOR TORNADO MISSILE BARRIER WALL<sup>6</sup> REVISION 2

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | R. BAER   | SSPB             | MORAN    | DKM         | 01969         | 06-09-77       |                  |                  | 01-24-78             |                  |

REMARKS: RESPONSES TO QUESTIONS RECEIVED 4-5-78.

RI SYM: HHR-2 (NP)

TITLE: CONTROLLED RELEASE WALL SYSTEM

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | J. SNELL  | SSPB             | MORAN    | DKM         | 04803         | 12-01-76       |                  |                  | 03-28-77             |                  |

REMARKS: REC'D RESPONSES TO QUESTIONS DATED 5/5/77

T O P I C A L   R E P O R T   S T A T U S

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| INDUSTRY ORGANIZATION: HITTMAN NUCLEAR & DEVELOPMENT CORP. |  
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RI SYM: HN-R-1109 (P), HN-R-1109 (NP)  
TAC #: 04657  
TITLE: RADWASTE SOLIDIFICATION SYSTEM (CEMENT), REV 4

SUBMIT DATE: 86-09-77    CONCLUSION: ACCEPTED

LETTER TO IND ORG: 84-27-78

REMARKS:  
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| INDUSTRY ORGANIZATION: J. A. JONES CONST. CO. |  
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RI SYM: JAJ-TR-1 (NP)

SUBMIT DATE: 01-28-78

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 02-16-78

TAC #: 09068

TITLE: TOPICAL QUALITY ASSURANCE REPORT FOR CONSTRUCTION PHASE OF NUCLEAR POWER PLANTS, REV. 1

REMARKS:  
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| INDUSTRY ORGANIZATION: JGC CORPORATION |  
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RI SYM: JGC-TR-001 (P), JGC-TR-001 (NP)      SUBMIT DATE: 11-20-81      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 07-28-83  
TAC #: 47369  
TITLE: TR "THE DRUM MIXER PROCESS FOR VOLUME REDUCTION & SOLIDIFICATION"

REMARKS:  
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| INDUSTRY ORGANIZATION: JOHN BLUME & ASSOCIATES |  
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RI SYM: PIPESD-1 (NP)

SUBMIT DATE: 08-06-73

CONCLUSION: WITHDRAWN

LETTER TO IND ORG: 05-20-74

TAC #: 03880

TITLE: PIPE STATIC AND DYNAMIC ANALYSIS

REMARKS:  
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| INDUSTRY ORGANIZATION: KOCK PROCESS SYSTEMS |  
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RI SYM: KPS-1(P) (P), (NP)

TITLE: TR"KOCK PROCESS SYSTEMS VR-SYSTEM 350 LOW LEVEL RADWASTE VOLUME REDUCTION SYSTEMS"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER     | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB<br>METB     | MORAN<br>LEE | DKM<br>JYL  | 52633         | 10-05-83       |                  |                  |                      |                  |

REMARKS: TR"KOCK PROCESS SYSTEMS VR-SYSTEM 350 LOW LEVEL RADWASTE VOLUME REDUCTION SYSTEMS"  
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| INDUSTRY ORGANIZATION: MISSISSIPPI POWER & LIGHT |  
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RI SYM: MPL-TOP-1 (NP)  
TAC #: 09166  
TITLE: OPERATIONAL QA MANUAL, REV 2

SUBMIT DATE: 03-20-81

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 05-22-81

REMARKS:  
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| INDUSTRY ORGANIZATION: NEWPORT NEWS INDUSTRIAL |  
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RI SYM: EI-NNI-77-7 (P), EI-NNI-77-7 (NP)      SUBMIT DATE: 06-24-77      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 10-28-82  
TAC #: 04614  
TITLE: TR "RWR-1 TM RADWASTE VOLUME REDUCTION SYSTEM

REMARKS: WITHHOLDING APPROVED 12-13-78 ACCEPTED VERSION DATED 11/82  
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RI SYM: NNI-81-6 (P), NNI-81-6 (NP)

TITLE: TR "WASTE SOLIDIFICATION & PACKAGING SYSTEM (WSP)"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER     | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>METB     | MORAN<br>LEE | DKM<br>JYL  | 46583         | 06-25-81       |                  |                  | 09-08-82             |                  |

REMARKS: REVIEW, COMMENT & PREPARE SER RFAI #1  
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| INDUSTRY ORGANIZATION: OTTO H. YORK |  
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RI SYM: YORK-80-67479 (NP)

TITLE: TR PERFORMANCE OF YORK MODEL 299 TYPE 3G DEMISTER MOISTURE SEPARATOR IN REMOVING DROPLETS IN AN AIR-STRM DISPERSION

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 42354         | 04-21-80       |                  |                  | 10-22-80             |                  |

REMARKS: REVIEW, COMMENT AND PREPARE SER

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| INDUSTRY ORGANIZATION: OWENS CORNING FIBERGLASS |  
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RI SYM: OCF-1 (P), OCF-1 (NP)                      SUBMIT DATE: 09-01-77      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 12-08-78  
TAC #: 04672  
TITLE: NUCLEAR CONTAINMENT INSULATION SYSTEM

REMARKS:  
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| INDUSTRY ORGANIZATION: PACIFIC NORTHWEST |  
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RI SYM: PNL-74-1 (NP)  
TAC #: 03886

SUBMIT DATE: 10-17-74

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 12-09-74

TITLE: FINAL REPORT REMOVAL OF IODINE BY CONTAINMENT SPRAYS CONTAINING TRACE LEVELS OF HYDRAZINE

REMARKS:  
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T O P I C A L R E P O R T S T A T U S

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| INDUSTRY ORGANIZATION: RALPH M. PARSONS QA PROGRAM |  
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RI SYM: P-TOP-QA1 (NP)                      SUBMIT DATE: 03-17-78      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 06-27-78  
TAC #: 09066  
TITLE: PARSONS QUALITY ASSURANCE PROGRAM FOR NUCLEAR FACILITIES -- REV. 2

REMARKS:  
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| INDUSTRY ORGANIZATION: SAN DIEGO GAS & ELECTRIC |  
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RI SYM: SDQAPD-1 (NP)

SUBMIT DATE: 02-00-78

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 03-15-78

TAC #: 09118

TITLE: SAN DIEGO GAS & ELECTRIC--QA PROGRAM DESCRIPTION, REV 1A

REMARKS:  
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| INDUSTRY ORGANIZATION: SARGENT & LUNDY |  
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RI SYM: S&L-TR-1A (NP)                      SUBMIT DATE: 09-28-77      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 11-08-77  
TAC #: 09072  
TITLE: S&L-QAP-1 QUALITY ASSURANCE PROGRAM--REV 5

REMARKS: REV 6 HAS BEEN SUBMITTED & IS AWAITING RESPONSE TO QUESTIONS OF 10/24/80  
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| INDUSTRY ORGANIZATION: SCANDPOWER INC |  
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RI SYM: SCP-01 (NP)

SUBMIT DATE: 01-09-81

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 08-03-82

TAC #: 43322

TITLE: TR "RADICAL GAMMA THERMOMETERS - REV 4"

REMARKS: ACCEPTED VERSION DATED FEBRUARY 82  
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| INDUSTRY ORGANIZATION: SOUTHERN CALIFORNIA EDISON COMPANY |  
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RI SYM: SCE-1 (NP)

TAC #: 09132

TITLE: SCE-1 QA PROGRAM--AMENDMENT 5

SUBMIT DATE: 01-08-82

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 03-29-82

REMARKS:  
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| INDUSTRY ORGANIZATION: SPRAYING SYSTEMS CO |  
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RI SYM: SSCO-15215 (NP)                      SUBMIT DATE: 06-03-77      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 07-03-79  
TAC #: 04589  
TITLE: CONTAINMENT SPRAY NOZZLES FOR NUCLEAR POWER PLANTS

REMARKS: RECEIVED UPDATED VERSION OF TOPICAL REPORT WITH COPY OF NRC EVALUATION ON 8-3-79.  
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| INDUSTRY ORGANIZATION: STOCK EQUIPMENT COMPANY |  
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RI SYM: SRS-001 (NP)

TITLE: SRS-001 STOCK EQUIPMENT COMPANY SOLID RADWASTE SYSTEM

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH    | REVIEWER               | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|---------------------|------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| RAB        | BAER      | RAB<br>SSPB<br>METB | HINSON<br>MORAN<br>LEE | XCH<br>DKM<br>JYL | 05220         | 04-09-79       |                  |                  | 09-08-82             |                  |

REMARKS: RFAI #1

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| INDUSTRY ORGANIZATION: STONE & WEBSTER |  
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RI SYM: SWECO-7703 (NP)

TITLE: MISSILE-BARRIER INTERACTION

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. WILSON | SSPB             | MORAN    | DKM         | 04723         | 09-23-77       |                  |                  |                      |                  |

REMARKS:

RI SYM: SWECO-8101 (NP)

TITLE: TR\*MODELS USED IN LOCTVS-A COMP CODE TO DETER PRES & TEMP RESP OF VAPOR SUPPR CONTNMT FOLLOWING LOSS-OF-COOL ACCIDNT

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 43576         | 03-06-81       |                  |                  |                      |                  |

REMARKS: REPLACES SWECO 7503 - APPLICABLE TO RIVER BEND 1&2 AND NINE MILE POINT 2

RI SYM: SWND-1 (P), SWND-1A (NP) SUBMIT DATE: 12-06-71 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 10-07-74

TAC #: 03862

TITLE: LOCTIC - A COMPUTER CODE TO DETERMINE THE PRESSURE AND TEMPERATURE RESPONSE OF A DRY CONTAINMENTS TO A LOCA

REMARKS: S & W RESPONSE ON 11-01-74, S & W WILL UPDATE REPORT

RI SYM: SWND-2 (NP) SUBMIT DATE: 05-21-74 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 10-07-74

TAC #: 03882

TITLE: LOCTVS - COMPUTER CODE FOR PRESSURE AND TEMP. RESPONSE OF PRESSURE SUPPRESSION CONTNMNT (INCLDG SUPP 1 & 2)

REMARKS: S & W RESPONSE ON 11-01-74, S & W WILL UPDATE REPORT

RI SYM: SWND-5 (NP) SUBMIT DATE: 12-10-69 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 10-07-74

TAC #: 03883

TITLE: RECOMMENDED ALLOWABLE MEMBRANE SHEAR FOR RESISTING EARTHQUAKE FORCES IN CONTAINMENT STRUCTURE (INCLDG SWND-5S)

REMARKS: S & W RESPONSE ON 11-01-74, S & W IS CONSIDERING RESUBMITTING REPORT

RI SYM: SWSQAP-1-74A (NP) SUBMIT DATE: 11-17-78 CONCLUSION: ACCEPTED LETTER TO IND ORG: 11-22-78

TAC #: 00898

TITLE: STANDARD NUCLEAR QA PROGRAM, REV. C

REMARKS:

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| INDUSTRY ORGANIZATION: TELEDYNE ENERGY |  
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RI SYM: PPI-TR-7701 (NP)

TITLE: TR "LI-FORM RADWASTE SOLIDIFICATION SYSTEM" REV1

| REQ<br>ORG | REQUESTER   | REVIEW<br>BRANCH   | REVIEWER                          | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-------------|--------------------|-----------------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | R. BENEDICT | RAB<br>SSPB<br>ASB | HINSON<br>MORAN<br>CHANDRASEKARAN | XCH<br>DKM<br>TBC | 04864         | 12-28-79       | 06-01-80         |                  | 07-17-81             |                  |

REMARKS: REC'D RESPONSE DATED 7/23/81 TO REQUEST 2 FOR ADDITIONAL INFO

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| INDUSTRY ORGANIZATION: TENNESSEE VALLEY AUTHORITY |  
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RI SYM: TVA-TR-79-01 (NP)

TITLE: TVA TOP CAL REPORTS ON LATTICE PHYSICS & CORE SIMULATIONS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER    | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| ORB3       | CLARK     | CRBR             | MORRIS      | BMM         | 11552         | 02-16-78       |                  |                  |                      | 08-27-79         |
|            |           | SPEB             | VANDERMOLEN | HJV         |               |                |                  | 01-01-80         |                      | 10-17-79         |
|            |           | ORB2             | CLARK       | RJC         |               |                |                  |                  |                      | 10-16-79         |
|            |           | CPB              | BROOKS      | WXB         |               |                |                  |                  |                      | 08-22-79         |
|            |           | SSPB             | MORAN       | DKM         |               |                |                  |                  |                      |                  |

REMARKS:

RI SYM: TVA-TR78-04 (NP)

TITLE: DESIGN OF STRUCTURES TO RESIST MISSILE IMPACT

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | BAER      | SSPB             | MORAN    | DKM         | 05047         | 10-16-78       |                  |                  |                      |                  |

REMARKS:

RI SYM: TVA-0-7040 (NP)

TAC #: 00625

SUBMIT DATE: 07-12-73

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 04-04-74

TITLE: CONCRETE FOR PRESTRESSED CONTAINMENTS, TESTS FOR CREEP AND SHRINKAGE USING FLY ASH CONCRETE

REMARKS:

RI SYM: TVA-74-1 (NP)

TITLE: THE GENERATION OF MISSILES BY TORNADOES

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | R. BAER   | AEB              | READ     | JXR         | 01366         | 12-26-74       |                  |                  |                      | 05-15-76         |

REMARKS: NOT UNDER ACTIVE REVIEW.

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| INDUSTRY ORGANIZATION: TRANSNUCLEAR INC. |  
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RI SYM: TN-RW-101 (P), TN-RW-101 (NP)

TITLE: TR "TN 220 RADIOACTIVE WASTE VOLUME REDUCTION SYSTEM"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>RAB      | MORAN<br>HINSON | DKM<br>XCH  | 43301         | 12-24-80       |                  |                  |                      |                  |

REMARKS: REVIEW COMMENT AND PREPARE SER REVIEW PROPRIETARY AFFDAVIT & COMMENT  
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| INDUSTRY ORGANIZATION: UNITED ENG. AND CONSTRUCTORS |

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RI SYM: UEC-TR-001-6A (NP)                      SUBMIT DATE: 08-16-82      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 09-16-82  
TAC #: 09013  
TITLE: QUALITY ASSURANCE PROGRAM, REV 6A

REMARKS:

RI SYM: UEC-TR-002-0 (NP)                      SUBMIT DATE: 11-07-75      CONCLUSION: NOT ACCEPTED                      LETTER TO IND ORG: 07-27-76  
TAC #: 03027  
TITLE: CHARACTERISTICS OF TORNADO GENERATED MISSILES

REMARKS:

RI SYM: UEC-TR-004-1 (NP)  
TITLE: COMPRESS--A CODE FOR CALCULATING SUBCOMPARTMENT PRESSURE RESPONSES

| REQ<br>ORG | REQUESTER   | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | D. TIBBITTS | SSPB             | MORAN    | DKM         | 04503         | 10-17-78       |                  |                  |                      |                  |

REMARKS: SUSPENDED.

RI SYM: UEC-TR-006-0 (NP)  
TITLE: PREDICTION OF CONTAINMENT - TEMPERATURE TRANSIENTS USING CONTRAST-S - A DIGITAL COMPUTER CODE

| REQ<br>ORG | REQUESTER      | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|----------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | D. L. TIBBITTS | SSPB             | MORAN    | DKM         | 04576         | 08-11-79       |                  |                  | 11-29-78             |                  |

REMARKS: RESPONSE TO RAI RECEIVED ON 8/11/79



T O P I C A L R E P O R T S T A T U S

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| INDUSTRY ORGANIZATION: US TOOL & DIE INC. |  
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RI SYM: UST&D-15-0002-(P) (P), UST&D-15-0002(NP)

TITLE: NUCLEAR FUEL ROD CANNISTER SYSTEM

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 48057         | 03-05-82       |                  |                  | 07-21-82             |                  |

REMARKS: RECD RESPONSE 8/2/82 TO RFAI #1  
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| INDUSTRY ORGANIZATION: UTILITY GROUP FOR REG. APPLICATION |  
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RI SYM: EPRI-NP (NP)

TITLE: RETRAN TOPICAL REPORT

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | CPB<br>SSPB      | PHILLIPS<br>MORAN | LEP<br>DKM  | 05355         | 10-25-79       |                  | 12-30-82         | 12-17-82             |                  |

REMARKS: RFAI #2  
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INDUSTRY ORGANIZATION: VIR. ELECTRIC & POWER CO

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RI SYM: VEP-FRD-41 (NP)

TITLE: TR "REACTOR SYSTEM TRANSIENT ANALYSES USING THE RETRAN COMPUTER CODE"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH                 | REVIEWER                               | REV<br>INIT                     | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|----------------------------------|--|---------------------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | RSB<br>SSPB<br>CPB<br>RSB<br>RSB | CARTER<br>MORAN<br>HSII<br>LIANG<br>YU | JBC<br>DKM<br>YBH<br>CYL<br>EAY | 43756         | 04-14-81       |                  |                  |                      |                  |

REMARKS: REVIEW, COMMENT & PREPARE SER - RESPONSE TO RAI 02-27-84

RI SYM: VEP-FRD-42 (NP)

TITLE: TR "RELOAD NUCLEAR DESIGN METHODOLOGY"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 46570         | 06-21-81       |                  |                  |                      |                  |

REMARKS: REVIEW, COMMENT & PREPARE SER

RI SYM: VEP-FRD-45A (NP)

SUBMIT DATE: 04-04-81

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 08-05-82

TAC #: 47190

TITLE: TR "VEPCO NUCLEAR DESIGN RELIABILITY FACTORS"

REMARKS: ACCEPTED VERSION DATED 10/82

RI SYM: VEP-NFE-1(NP) (NP)

TITLE: TR"VEPCO NOMAD CODE AND MODEL"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER      | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|---------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB<br>CPB      | MORAN<br>KOPP | DKM<br>LIK  | 52646         | 10-14-83       |                  |                  |                      |                  |

REMARKS: RAI #1 04-20-84

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| INDUSTRY ORGANIZATION: VIR. ELECTRIC & POWER CO |  
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RI SYM: VEP-NFE-2(P) (P), (NP)

TITLE: "VEPCO EVALUATION OF THE CONTROL ROD EJECTION TRANSIENT"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER      | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|---------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB<br>CPB      | MORAN<br>KOPP | DKM<br>LIK  | 55018         | 11-23-83       |                  |                  |                      | 09-19-84         |

REMARKS: "VEPCO EVALUATION OF THE CONTROL ROD EJECTION TRANSIENT"  
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| INDUSTRY ORGANIZATION: WERNER & PFLEIDERER CORP |  
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RI SYM: WCP-URS-1 (NP)

SUBMIT DATE: 12-00-76

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 04-12-78

TAC #: 04384

TITLE: RADWASTE VOLUME REDUCTION & SOLIDIFICATION SYSTEM

REMARKS:  
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RI SYM: WCAP (P), WCAP (NP)

TITLE: TR "EVAL OF SURVEILLANCE FREQUENCIES & OUT OF SERVICE TIMES FOR THE REACTOR PROT INSTRUMENTATION SYSTEM

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER   | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | ICB              | DUNNING    | TXD         | 49545         | 02-03-83       |                  |                  |                      |                  |
|            |           | RRAB             | RUBINSTEIN | DJR         |               |                |                  |                  |                      | 02-02-84         |
|            |           | TSRG             | MOON       | CWM         |               |                |                  |                  |                      |                  |
|            |           | ICB              | CALVO      | JAC         |               |                |                  |                  |                      |                  |
|            |           | SSPB             | HOONAN     | PAN         |               |                |                  |                  |                      |                  |
|            |           | TSRG             | BRINKMAN   | DSB         |               |                |                  |                  |                      |                  |
|            |           | TSRG             | ANDERSON   | FDA         |               |                |                  |                  |                      |                  |
|            |           | SSPB             | MORAN      | DKM         |               |                |                  |                  |                      |                  |
|            |           | ORAB             | NEWBERRY   | SFN         |               |                |                  |                  |                      | 02-02-84         |
|            |           | ICB              | BURROWS    | FHB         |               |                |                  |                  |                      |                  |

REMARKS:

RI SYM: WCAP (P), WCAP (NP)

TITLE: AUGMENTED STARTUP AND CYCLE 1 PHYSICS PROGRAM AND SUPPLEMENTS 1; 2 AND 3

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L. KINTNER | SSPB             | MORAN    | DKM         | 01882         | 07-15-81       |                  |                  | 09-15-78             |                  |
|            |            | CPB              | FIENO    | DBF         |               |                |                  |                  |                      |                  |

REMARKS: REC'D SUPPL 3 TO PROPRIETARY & NON-PROP. DATED 6/81; SUPPL 3 REC'D 8/31/81; WITHHOLDING APPROVED 11/9/77

RI SYM: WCAP (P), WCAP (NP)

TITLE: TR IMPROVED ANALYTICAL MODELS USED IN WESTINGHOUSE FUEL ROD DESIGN COMPUTATIONS -APPLIC FOR BWR FUEL ANAL

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 49632         | 02-03-83       |                  |                  | 05-02-83             |                  |

REMARKS:

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RI SYM: WCAP-00639 (P), (NP)

TITLE: REPT ON SMALL BRK ACCIDENTS FOR WESTINGHSE NUCLEAR STEAM SUPPLY SYS(NSSS) WITH UPPER HEAD INJECT(UHI)

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH    | REVIEWER                   | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE     |
|------------|-----------|---------------------|----------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|----------------------|
| LWR1       | KINTNER   | ORAB<br>RSB<br>SSPB | HOLAHAN<br>LAUBEN<br>MORAN | GXH<br>NGL<br>DKM | 05360         | 12-13-79       |                  |                  |                      | 07-31-80<br>10-15-82 |

REMARKS:

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RI SYM: WCAP-07048 (P), WCAP-7757 (NP)      SUBMIT DATE: 12-13-73      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 07-29-74  
TAC #: 00793  
TITLE: THE PANDA CODE

REMARKS: APPROVED REPORTS 01-09-75; LIMITED TO TIME INTERVALS GREATER THAN SEVERAL MINUTES

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RI SYM: WCAP-07153 (P), WCAP-7826 (NP)      SUBMIT DATE: 03-00-68      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-01-74  
TAC #: 00223  
TITLE: INVESTIGATION OF CHEMICAL ADDITIVES FOR REACTOR CONTAINMENT SPRAYS

REMARKS: APPVD RPT WCAP-7153-A 4/10/75 SUPERCEDES WCAP-7153(P) & WCAP-7826(NP); WITHHOLDING DENIED 10/20/77.

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RI SYM: WCAP-07213 (P), WCAP-7758 (NP)      SUBMIT DATE: 12-13-73      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 07-25-74  
TAC #: 00796  
TITLE: THE TURTLE 24.0 DIFFUSION DEPLETION CODE

REMARKS: APPVD REPORTS 4/10/75; LIMITED TO TIME INTERVALS GREATER THAN SEVERAL MINUTES; WITHHOLDING APPROVED 9/27/77

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RI SYM: WCAP-07240 (P), WCAP-7966 (NP)      SUBMIT DATE: 07-10-72      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 03-17-77  
TAC #: 00274  
TITLE: AN EXPERIMENTAL INVESTIGATION OF THE EFFECT OF OPEN CHANNEL FLOW ON THERMAL-HYDRO-DYNAMIC FLOW

REMARKS: INFORMATION NOT REQUIRED FOR REVIEW; WITHHOLDING APPROVED 11/9/77

RI SYM: WCAP-07308L (P), WCAP-7308 (NP)

TITLE: EVALUATION OF NUCLEAR HOT CHANNEL FACTOR UNCERTAINTIES

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L KINTNER | CPB<br>SSPB      | RICHINGS<br>MORAN | HJR<br>DKM  | 04661         | 07-11-70       |                  |                  |                      | 05-15-78         |

REMARKS: WITHHOLDING APPROVED 10/5/77;

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RI SYM: WCAP-07332-L (P), WCAP-7822 (NP)      SUBMIT DATE: 02-26-70      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 10-02-72  
TAC #: 03861  
TITLE: INDIAN POINT UNIT. 2 PEACTOR INTERNALS MECHANICAL ANALYSIS FOR BLOWDOWN EXCITATION  
REMARKS: APPVD RPT 7332-L(P)-A 11/15/73; APPVD VERSION OF WCAP-7822 NOT FILED; WITHHOLDING APPROVED 12/23/71  
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R1 SYM: WCAP-07380-L (P), (NP)  
TITLE: REVIEW WCAP-7669 AND 7380-L NUCLEAR INSTRUMENTATION SYSTEM

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | R. DEYOUNG | ADL              | NOVAK    | TMN         | 00217         |                |                  |                  |                      | 01-24-74         |
|            |            | SSPB             | MORAN    | DKM         |               |                |                  |                  |                      |                  |
|            |            | CPB              | RICHINGS | HJR         |               |                |                  |                  |                      |                  |

REMARKS: RAI:05-15-78 RESPONSE 04-05-84  
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RI SYM: WCAP-07406 (NP)      SUBMIT DATE: 03-00-71      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-17-73  
TAC #: 03873  
TITLE: PART LENGTH ROD CONTROL SYSTEM

REMARKS: ACCEPTED FOR DESCRIPTION ONLY; SAFETY IMPLICATIONS OF MALFUNCTIONS REQUIRED IN SAR  
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RI SYM: WCAP-07408-L (P), WCAP-7718 (NP)      SUBMIT DATE: 02-00-70      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 10-26-72  
TAC #: 03885  
TITLE: ROBERT E. GINNA UNIT NO. 1 INTERNALS ASSURANCE PROGRAM

REMARKS: FORCING FUNCTIONS, ANALYSIS METHODS, COMPARISON OF SIMILARITY REQUIRED IN SAR; WITHHOLDING APPROVED 10/26/77  
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RI SYM: WCAP-07410-L (P), WCAP-07744 (NP)

TITLE: ENVIRONMENTAL TESTING OF ENGINEERED SAFETY FEATURES RELATED EQUIPMENT (NSSS - STANDARD AND NONSTANDARD SCOPE)

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | H. SPECTER | SSPB             | MORAN    | DKM         | 00482         | 12-00-70       |                  |                  | 02-22-80             |                  |

REMARKS: WITHHOLDING APPROVED 12/23/71 AND 5/9/79; ADDITIONAL INFORMATION REQUESTED 1/24/80.  
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RI SYM: WCAP-07411-L (P), WCAP-7813 (NP)      SUBMIT DATE: 07-14-70      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-13-74  
TAC #: 00275  
TITLE: ROD BUNDLE AXIAL NON-UNIFORM HEAT FLUX DNB TESTS AND DATA, REV. 1

REMARKS: APPROVED REPORTS 1/28/75; WITHHOLDING APPROVED 10/20/77  
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RI SYM: WCAP-07426 (NP)                      SUBMIT DATE: 04-16-70      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 12-08-72  
TAC #: 03877  
TITLE: IODINE REMOVAL IN THE ICE CONDENSER SYSTEM

REMARKS: ACCEPTED PROVIDED ELEMENTAL IODINE REMOVAL EFFICIENCY EQUAL 30%

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RI SYM: WCAP-07477-L (P), WCAP-7735 (NP)      SUBMIT DATE: 03-00-70      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 05-15-73  
TAC #: 03863  
TITLE: SENSITIZED STAINLESS STEEL IN WESTINGHOUSE PWR NUCLEAR STEAM SUPPLY SYSTEMS

REMARKS: ACCEPTED PROVIDED WATER CHEMISTRY AND CONTAMINATION ARE CONTROLLED; WITHHOLDING APPROVED 9/27/77.

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RI SYM: WCAP-07488-L (P), WCAP-7672 (NP)      SUBMIT DATE: 01-00-71      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 03-06-74  
TAC #: 00206  
TITLE: SOLID STATE LOGIC PROTECTION SYSTEM

REMARKS: ACCEPTED PROVIDED SAR INCLUDES QUALIFICATION, CONNECTION, INDEPENDENCE, SAFETY FUNCTIONS, WITHHOLDING APPVD 10/26/77

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RI SYM: WCAP-07499-L (P), WCAP-7499 (NP)      SUBMIT DATE: 06-26-70      CONCLUSION: WITHDRAWN                      LETTER TO IND ORG: 11-25-74  
TAC #: 00225  
TITLE: ELEMENTAL IODINE REMOVAL BY REACTIVE SPRAYS

REMARKS: WITHDRAWN BY WESTINGHOUSE LETTER 12-16-74

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RI SYM: WCAP-07503 (NP)                      SUBMIT DATE: 02-09-72      CONCLUSION: WITHDRAWN                      LETTER TO IND ORG: 01-19-76  
TAC #: 03872  
TITLE: DETERMINATION OF DESIGN PIPE BREAKS FOR WESTINGHOUSE REACTOR COOLANT SYSTEM, REV. 1

REMARKS: REPLACED BY WCAP-8082.

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RI SYM: WCAP-07506-L (P), WCAP-7819 (NP)      SUBMIT DATE: 02-00-70      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 09-03-74  
TAC #: 00792  
TITLE: TEST REPORT NUCLEAR INSTRUMENTATION SYSTEM ISOLATION AMPLIFIER, REV. 1

REMARKS: APPVD REPORTS 4/28/75; SAR MUST SHOW ADEQUATE SEPARATION OF CONNECTIONS; WITHHOLDING APPVD 10/26/77

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RI SYM: WCAP-07508-L (P), WCAP-7685 (NP)      SUBMIT DATE: 12-00-70      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 06-06-73  
TAC #: 03867  
TITLE: TEST REPORT OF ISOLATION AMPLIFIERS

REMARKS: APPVD REPORTS 5/22/75; APPLICABLE TO FOXBORO CURRENT CONNECTORS & CURRENT REPEATERS; WITHHOLDING APPVD 10/26/77

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RI SYM: WCAP-07509-L (P), WCAP-7824 (NP)      SUBMIT DATE: 04-20-70      CONCLUSION: ACCEPTED                      LETTER TO IND ORG: 06-06-73  
TAC #: 03866  
TITLE: ISOLATION TESTS PROCESS INSTRUMENTATION ISOLATION AMPLIFIER COMPUTER AND INSTRUMENTATION DIVISION MODEL 131-110 WEST

REMARKS: APPLICABLE TO FAULTS OF 48 TO 120 VOLTS DC AND 117 TO 460 VOLTS AC; WITHHOLDING APPROVED 12/23/71

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RI SYM: WCAP-07547-L (P), WCAP-7671 (NP)      SUBMIT DATE: 04-20-70      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 01-04-74  
TAC #: 00216  
TITLE: REVIEW WCAP-7671, WCAP-7547-L PROCESS INSTRUMENTATION FOR WNSSS

REMARKS: NOT CONSIDERED TOPICAL REPORT

RI SYM: WCAP-07558 (NP)

TITLE: SEISMIC VIBRATION TESTING WITH SINE BEATS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | SSPB             | MORAN    | DKM         | 00706         | 10-04-72       |                  |                  |                      |                  |

REMARKS: REVIEWED TOGETHER WITH WCAP-7817. ICB REVIEW DEFERRED FOR HIGHER PRIORITY WORK; MEB REVIEW COMPLETED 8/26/76.

RI SYM: WCAP-07571 (NP)      SUBMIT DATE: 03-00-71      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-17-73  
TAC #: 03859  
TITLE: ROD POSITION MONITORING

REMARKS: ACCEPTED FOR DESCRIPTION ONLY; SAFETY IMPLICATIONS OF MALFUNCTIONS REQUIRED IN SAR

RI SYM: WCAP-07588 (NP)      SUBMIT DATE: 12-00-71      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 08-28-73  
TAC #: 03860  
TITLE: AN EVALUATION OF THE ROD EJECTION ACCIDENT IN WEST. PRESSURIZED WATER REACTORS USING SPECIAL KINETICS METHODS, REV. 1

REMARKS: APPROVED REPORT 01-07-75

RI SYM: WCAP-07593 (P), WCAP-7918 (NP)      SUBMIT DATE: 07-10-75      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 11-03-77  
TAC #: 04505  
TITLE: BLOWDOWN-2--CODE REACTOR COOLANT TRANSIENTS DURING BLOWDOWN

REMARKS: TO BE REVIEWED FOR USE IN SPECIFIC ANALYSES; USE IN WCAP-8708 APPROVED 6/17/77

RI SYM: WCAP-07607 (NP)      SUBMIT DATE: 07-10-75      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 01-04-74  
TAC #: 00315  
TITLE: EVALUATE WCAP-7607 IN-CORE INSTRUMENTATION (FLUX MAPPING & HERMOCOUPLES

REMARKS: NOT CONSIDERED TOPICAL REPORT

RI SYM: WCAP-07667-L (P), WCAP-7755 (NP)      SUBMIT DATE: 05-05-71      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-13-74  
TAC #: 00276  
TITLE: INTERCHANNEL THERMAL MIXING WITH MIXING VANE GRIDS

REMARKS: APPROVED REPORTS 1/27/75; WITHHOLDING APPROVED 9/22/77



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RI SYM: WCAP-07695-L (P), WCAP-7958 (NP)      SUBMIT DATE: 07-19-73      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-13-74  
TAC #: 00273  
TITLE: DNB TEST RESULTS FOR NEW MIXING VANE GRIDS (R)

REMARKS: APPVD REPORTS 1/21/75; INCLUDES ADD 1, DNB TEST RESULTS FOR COLD WALL CELLS; WITHHOLDING APPROVED 10/20/77

RI SYM: WCAP-07705 (NP)      SUBMIT DATE: 03-16-73      CONCLUSION: NOT ACCEPTED      LETTER TO IND ORG: 07-14-75  
TAC #: 00949  
TITLE: TESTING OF ENGINEERING SAFETY FEATURES ACTUATION SYSTEM, REV. 1

REMARKS:

RI SYM: WCAP-07706 (NP)

TITLE: AN EVALUATION OF SOLID STATE LOGIC REACTOR PROTECTION IN ANTICIPATED TRANSIENTS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | SSPB             | MORAN    | DKM         | 00396         | 02-00-73       |                  |                  |                      |                  |

REMARKS: EVALUATION WILL BE INCLUDED IN ATWS EVALUATION (WCAP-8330); SEE "STATUS REPORT ON ATWS FOR WEST. REACTORS", 12/9/75.

RI SYM: WCAP-07709-L (P), WCAP-7820 (NP)      SUBMIT DATE: 07-14-71      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-22-78  
TAC #: 03358  
TITLE: ELECTRIC HYDROGEN RECOMBINER--SUPPL 5, 6 & 7 (QUALIFICATION TO 1974 STANDARDS)

REMARKS: SUPPL 1-4 ACCEPTED 5/1/78 (1971 STD); SUPPL 5-7 ACCEPTED 6/22/78 (1974 STANDARD)

RI SYM: WCAP-07733 (NP)      SUBMIT DATE: 07-00-71      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 09-22-72  
TAC #: 03881  
TITLE: REACTOR VESSEL WELD CLADDING BASE METAL INTERACTION

REMARKS: ACCEPTABLE FOR CURRENT VESSELS; FOR FUTURE VESSELS SAR SHOULD INCLUDE MEANS TO AVOID FLAWS

RI SYM: WCAP-07742 (NP)      SUBMIT DATE: 12-14-71      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 01-19-76  
TAC #: 03879  
TITLE: IODINE REMOVAL BY SPRAY IN THE ZION STATION CONTAINMENT

REMARKS: NOT A TOPICAL REPORT; LETTER FROM D.B. VASSALLO TO C. EICHELDINGER ON 03-20-75

RI SYM: WCAP-07765-L (P), WCAP-7765 (NP)      SUBMIT DATE: 10-17-71      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 10-02-72  
TAC #: 03875  
TITLE: WESTINGHOUSE PWR INTERNALS VIBRATION SUMMARY 3-LOOP INTERNAL ASSURANCE

REMARKS: APPVD RPTS 12-06-73; SAR TO INCLUDE FORCING FUNCTIONS, ANALYSIS METHODS, APPLICABILITY; WITHHOLDING APPVD 10/26/77

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RI SYM: WCAP-07769 (NP)

TITLE: OVERPRESSURE PROTECTION FOR WESTINGHOUSE PRESSURIZED WATER REACTORS REV.1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | SSPB             | MORAN    | DKM         | 00158         | 10-08-71       |                  |                  |                      |                  |

REMARKS: RSB HAS LEAD; AB REVIEW COMPLETED 6/15/78.

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|                         |                       |                      |                             |
|-------------------------|-----------------------|----------------------|-----------------------------|
| RI SYM: WCAP-07800 (NP) | SUBMIT DATE: 12-00-77 | CONCLUSION: ACCEPTED | LETTER TO IND ORG: 09-10-79 |
|-------------------------|-----------------------|----------------------|-----------------------------|

TAC #: 00779  
TITLE: NUCLEAR FUEL DIVISION QUALITY ASSURANCE PROGRAM PLAN, REV. 5A

REMARKS:

RI SYM: WCAP-07806 (NP)

TITLE: REVIEW WCAP-7806 NUCLEAR DESIGN WITH BURNABLE POISON RODS

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | R. DEYOUNG | SSPB             | MORAN    | DKM         | 00211         |                |                  |                  |                      |                  |

REMARKS:

RI SYM: WCAP-07807 (NP)

TITLE: REVIEW WCAP-7807 CONNECTICUT-YANKEE TESTS ON DETECTION OF POWER MALDISTRIBUTION

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | R. DEYOUNG | SSPB             | MORAN    | DKM         | 00212         |                |                  |                  |                      |                  |

REMARKS:



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RI SYM: WCAP-07817 (NP)

TITLE: SEISMIC TESTING OF ELECTRICAL AND CONTROL EQUIPMENT (LOW SEISMIC PLANTS)

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER     | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | MEB<br>SSPB      | HOU<br>MORAN | SXH<br>DKM  | 00921         | 03-26-74       |                  |                  |                      | 08-26-76         |

REMARKS: HOU EVAL. OF WCAP-7817 & SUPPLS. 1,2,3,4,5,8 COMPLETED 8/26/76. DUNNING & CHEN REVIEW DEFERRED FOR HIGHER PRIORITY WORK.

RI SYM: WCAP-07821 (NP)

TITLE: SEISMIC TESTING OF ELECTRICAL AND CONTROL EQUIPMENT (HIGH SEISMIC PLANTS)

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER     | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | MEB<br>SSPB      | HOU<br>MORAN | SXH<br>DKM  | 00788         | 01-17-72       |                  | 06-15-76         |                      | 08-26-76         |

REMARKS: HOU EVAL. OF WCAP-7821 & SUPPLS. 1,2 & 6 COMPLETED 8/26/76. DUNNING & CHEN REVIEW DEFERRED FOR HIGHER PRIORITY WORK.

RI SYM: WCAP-07829 (NP)

TITLE: FAN COOLER MOTOR UNIT TEST

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER      | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|---------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | PS<br>SSPB       | KNOX<br>MORAN | JYK<br>DKM  | 01524         | 06-08-72       |                  |                  |                      | 09-28-79         |

REMARKS: EVALUATION INCLUDED IN REVIEW OF WCAP-7410L.

RI SYM: WCAP-07832 (NP)  
TAC #: 00791

SUBMIT DATE: 12-28-73

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 03-02-78

TITLE: EVALUATION OF STEAM GENERATOR TUBE, TUBE SHEET AND DIVIDER PLATE UNDER COMBINED LOCA PLUS SSE CONDITIONS

REMARKS: APPROVED RPT. 5/18/78; TUBE DEFECTS LIMITED TO 0.64 INCH CRACK & 28% WALL WASTAGE.

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RI SYM: WCAP-07837 (NP)

TITLE: POST DNP HEAT TRANSFER DURING BLOWDOWN (WCAP-7837)

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER       | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | R. DEYOUNG | ADL<br>SSPB      | NOVAK<br>MORAN | TMN<br>DKM  | 00277         |                |                  |                  |                      | 01-24-74         |

REMARKS:

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RI SYM: WCAP-07845 (P), WCAP-7718 (NP)      SUBMIT DATE: 01-00-72      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 10-02-72  
TAC #: 03876  
TITLE: WESTINGHOUSE PWR INTERNALS VIBRATION SUMMARY 2-LOOP INTERNALS ASSURANCE

REMARKS: SAR MUST INCLUDE FORCING FUNCTION, ANALYSIS METHODS, APPLICABILITY; WITHHOLDING APPROVED 10/26/77

-----  
RI SYM: WCAP-07862 (NP)      SUBMIT DATE: 10-05-72      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-06-73  
TAC #: 03871  
TITLE: ISOLATION TESTS PROCESS INSTRUMENTATION ISOLATION AMPLIFIER WEST. COMPUTER & INSTRUMENTATION DIVISION NUCANA 7300 SERIES

REMARKS: APPROVED REPORTS 3/11/75; APPLICABLE TO FAULTS OF 48 TO 120 VOLTS DC AND 130 VOLTS AC

-----  
RI SYM: WCAP-07870 (NP)      SUBMIT DATE: 07-21-72      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 08-16-77  
TAC #: 00204  
TITLE: NEUTRON SHIELDING PADS

REMARKS: SUBJECT TO ACCEPTABLE DYNAMIC RESPONSE TEST FOR 4-LOOP PLANTS (WCAP-8766) AND 3-LOOP (NEW REPORT)

-----  
RI SYM: WCAP-07879 (P), WCAP-9352 (NP)      SUBMIT DATE: 07-00-72      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-08-72  
TAC #: 03858  
TITLE: FOUR-LOOP PWR INTERNALS ASSURANCE AND TEST PROGRAM

REMARKS: APPROVED RPTS. 6/30/78; SAR MUST INCLUDE COMPARISON OF SIMILARITY OF REACTOR VESSEL INTERNALS.

RI SYM: WCAP-07898 (NP)

TITLE: LONG TERM TRANSIENT ANALYSIS PROGRAM FOR PRESSURIZED WATER REACTORS (BLKOUT)

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | SSPB             | MORAN    | DKM         | 00279         | 09-22-72       |                  |                  |                      |                  |

REMARKS: RECD ADDITIONAL INFO DATED 11/18/77



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RI SYM: WCAP-07941-L (P), WCAP-7959 (NP)      SUBMIT DATE: 07-07-72      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-13-74  
TAC #: 03870  
TITLE: EFFECTS OF AXIAL SPACING ON INTERCHANNEL THERMAL MIXING WITH THE R MIXING VANE GRID

REMARKS: APPVD REPORTS 1/27/75; WITHHOLDING APPVD 10/20/77

RI SYM: WCAP-07950 (NP)      SUBMIT DATE: 07-14-72      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 02-06-79  
TAC #: 00790  
TITLE: FUEL ASSEMBLY SAFETY ANALYSIS FOR COMBINED SEISMIC AND LOSS OF COOLANT ACCIDENT (15 X 15)

REMARKS: LOCA LOAD ANALYSIS METHOD ACCEPTED; RESULTS OF COMBINED LOADS CONSIDERED FOR EACH APPLICATION.

RI SYM: WCAP-07954 (NP)      SUBMIT DATE: 10-26-73      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 04-19-78  
TAC #: 00705  
TITLE: THINC-IV - AN IMPROVED PROGRAM FOR THERMAL AND HYDRAULIC ANALYSIS OF ROD BUNDLE CORES

REMARKS: FLUID CONDITION LIMITED TO SINGLE PHASE OR TWO-PHASE FLOW REGIME

RI SYM: WCAP-07958 (NP)

TITLE: REVIEW ADDENDUM 1, DNB TESTS, ETC. (WCAP-7958)

| REQ ORG | REQUESTER | REVIEW BRANCH | REVIEWER       | REV INIT   | TAC NUMBER | SUBMIT DATE | REQ TARG DATE | EST COMP DATE | ADD INFO REQ DATE | REV COMP DATE |
|---------|-----------|---------------|----------------|------------|------------|-------------|---------------|---------------|-------------------|---------------|
| LWR1    | J. CURRY  | ADL<br>SSPB   | NOVAK<br>MORAN | TMN<br>DKM | 00420      |             |               |               |                   | 01-24-74      |

REMARKS:

RI SYM: WCAP-07973 (NP)      SUBMIT DATE: 01-00-73      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 03-03-76  
TAC #: 00355  
TITLE: CALCULATION OF FLOW COASTDOWN AFTER LOSS OF REACTOR COOLANT PUMP (PHOENIX CODE)

REMARKS: ACCEPTED FOR RESPONSE TO RAPID LOSS OF FLOW; NOT ACCEPTED FOR STARTUP TRANSIENTS

RI SYM: WCAP-07979 (P), WCAP-8028 (NP)      SUBMIT DATE: 01-05-73      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 07-29-74  
TAC #: 00339  
TITLE: TWINKLE - A MULTI-DIMENSIONAL NEUTRON KINETICS COMPUTER CODE

REMARKS: APPVD REPORTS 1/7/75; WITHHOLDING APPVD 10/20/77

RI SYM: WCAP-07980 (NP)      SUBMIT DATE: 10-03-73      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 08-30-76  
TAC #: 00711  
TITLE: WIT-6 - REACTOR TRANSIENT ANALYSIS COMPUTER PROGRAM DESCRIPTION

REMARKS:

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RI SYM: WCAP-07983 (NP)          SUBMIT DATE: 09-26-73  CONCLUSION: WITHDRAWN  LETTER TO IND ORG: 01-19-76
TAC #: 03869
TITLE: SMALL LOSS OF COOLANT ACCIDENT ANALYSIS FOR PWR SYSTEMS (SLAP DIGITAL COMPUTER CODE)
REMARKS: REPLACED BY WCAP-8300(P) AND WCAP-8261(NP)
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RI SYM: WCAP-07988 (P), WCAP-8030 (NP)  SUBMIT DATE: 01-05-73  CONCLUSION: ACCEPTED  LETTER TO IND ORG: 06-13-74
TAC #: 00341
TITLE: APPLICATION OF MODIFIED SPACER FACTOR TO "L" GRID TYPICAL AND COLD WALL CELL DNB
REMARKS: APPVD REPORTS 1/24/75; WITHHOLDING APPVD 10/20/77
-----
RI SYM: WCAP-08054 (P), WCAP-8195 (NP)  SUBMIT DATE: 01-25-74  CONCLUSION: ACCEPTED  LETTER TO IND ORG: 04-19-78
TAC #: 03868
TITLE: APPLICATION OF THE THINC-IV PROGRAM TO PWR DESIGN
REMARKS: LICENSING CALC. MUST USE CONSERVATIVE COOLANT CONDITIONS, FUEL FAB. TOLERANCES AND POWER PEAKING UNCERTAINTIES.
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RI SYM: WCAP-08077 (P), WCAP-8078 (NP)  SUBMIT DATE: 03-13-73  CONCLUSION: ACCEPTED  LETTER TO IND ORG: 12-18-73
TAC #: 00419
TITLE: ICE CONDENSER CONTAINMENT PRESSURE TRANSIENT ANALYSIS METHOD
REMARKS: ACCEPTED FOR MASS FLOWS EQUAL TO OR LESS THAN HOMOGENEOUS MIXTURE CRITICAL FLOW; WITHHOLDING APPVD 11/3/77
-----
RI SYM: WCAP-08082 (P), WCAP-8172 (NP)  SUBMIT DATE: 07-19-73  CONCLUSION: ACCEPTED  LETTER TO IND ORG: 05-22-74
TAC #: 00608
TITLE: PIPE BREAKS FOR THE LOCA ANALYSIS OF THE WESTINGHOUSE PRIMARY COOLANT LOOP
REMARKS: APPVD REPORTS 1/16/75; SAR TO INCLUDE APPLICABILITY, INTERFACES, PIPE FORCES, JET FORCES; WITHHOLDING APPVD 10/21/77
-----
RI SYM: WCAP-08096 (NP)          SUBMIT DATE: 04-30-73  CONCLUSION: WITHDRAWN  LETTER TO IND ORG: 01-19-76
TAC #: 00471
TITLE: ANTICIPATED TRANSIENTS WITHOUT REACTOR TRIP IN WESTINGHOUSE PRESSURIZED WATER REACTORS
REMARKS: REPLACED BY WCAP-8330
-----
RI SYM: WCAP-08110 (NP)          SUBMIT DATE: 04-16-73  CONCLUSION: ACCEPTED  LETTER TO IND ORG: 04-29-75
TAC #: 01007
TITLE: TEST PLANS AND RESULTS FOR THE ICE CONDENSER SYSTEM, INCLUDING SUPPLS. 1, 2, 3, 4, 6, 7, 8, AND 10
REMARKS: FOR LAND BASED PLANTS; SUPPL. 9 (ICE FALLOUT) ACCEPTED 11/21/74; APPROVED SUPPLEMENT 9-A DATED 1/22/75.
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RI SYM: WCAP-08118 (NP)          SUBMIT DATE: 10-31-73  CONCLUSION: ACCEPTED  LETTER TO IND ORG: 07-29-74
TAC #: 00709
TITLE: MEASURED CHARACTERISTICS OF XENON INDUCED X-Y OSCILLATIONS IN THE H. B. ROBINSON UNIT 2 PLANT
REMARKS: APPROVED REPORT 02-05-75; ACCEPTABLE FOR CORE POWER DENSITY EQUAL TO OR LESS THAN 85 KW/LITER.
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RI SYM: WCAP-08146 (P), WCAP-8147 (NP)      SUBMIT DATE: 08-21-73      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 01-19-76  
TAC #: 03878  
TITLE: FUEL DENSIFICATION - INDIAN POINT NUCLEAR GENERATING UNIT NO. 3

REMARKS: NOT A TOPICAL REPORT; LTR FROM D B VASSALLO TO C. EICHELDINGER 3/20/75; WITHHOLDING APPVD 11/19/73

RI SYM: WCAP-08163 (NP)

TITLE: REACTOR COOLANT PUMP INTEGRITY IN A LOCA

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER           | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | SSPB<br>PS       | MORAN<br>LAZEVNICK | DKM<br>JHL  | 00789         | 09-26-73       |                  |                  |                      |                  |

REMARKS: RSB HAS LEAD; INCLUDED IN GENERIC TASK B-68

RI SYM: WCAP-08168 (P), WCAP-8201 (NP)      SUBMIT DATE: 01-19-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 03-14-75  
TAC #: 00795  
TITLE: EVALUATION OF DNB TEST REPEATABILITY

REMARKS: APPROVED REPORTS 4/18/75; WITHHOLDING APPROVED 8/24/77

RI SYM: WCAP-08170 (P), WCAP-8171 (NP)      SUBMIT DATE: 07-12-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-30-75  
TAC #: 01267  
TITLE: CALCULATIONAL MODEL FOR CORE REFLOODING AFTER A LOSS OF COOLANT ACCIDENT (W REFLOOD CODE)

REMARKS: PART OF WESTINGHOUSE ECCS MODEL; WITHHOLDING APPVD 9/7/77

RI SYM: WCAP-08174 (P), WCAP-8202 (NP)      SUBMIT DATE: 01-17-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-04-74  
TAC #: 00794  
TITLE: EFFECT OF LOCAL HEAT FLUX SPIKES ON DNB IN NON-UNIFORMLY HEATED ROD BUNDLES

REMARKS: APPROVED REPORTS 2/4/77; WITHHOLDING APPROVED 8/24/77

RI SYM: WCAP-08176 (P), WCAP-8323 (NP)      SUBMIT DATE: 05-14-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 07-10-75  
TAC #: 01043  
TITLE: EFFECT OF A BOWED ROD ON DNB

REMARKS: ACCEPTED FOR STANDARD DEVIATION UP TO 30.3 MILS IN ROD-TO-ROD SPACING

RI SYM: WCAP-08183 (NP)      SUBMIT DATE: 08-07-74      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 01-19-76  
TAC #: 03865  
TITLE: OPERATIONAL EXPERIENCE WITH WESTINGHOUSE CORES (UP TO APRIL 1974), REV. 1

REMARKS: PROVIDES BACKGROUND INFORMATION ONLY; LETTER FROM D.B. VASSALLO TO C. EICHELDINGER ON 03-20-75

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RI SYM: WCAP-08185 (NP) SUBMIT DATE: 09-01-73 CONCLUSION: WITHDRAWN LETTER TO IND ORG: 01-19-76  
TAC #: 00780  
TITLE: REFERENCE CORE REPORT 17X17 (AMENDMENTS 1,2,3,4 AND 5)

REMARKS: CONTINUING REVIEW OF 17X17 CORE TO BE MADE ON INDIVIDUAL SAR'S; NOT A TOPICAL REPORT, LETTER 07-26-74

RI SYM: WCAP-08200 (P), WCAP-8261 (NP) SUBMIT DATE: 07-15-74 CONCLUSION: ACCEPTED LETTER TO IND ORG: 05-30-75  
TAC #: 00960  
TITLE: WFLASH - A FORTRAN IV COMPUTER PROGRAM FOR SIMULATION OF TRANSIENTS IN A MULTI-LOOP PWR, REV. 2

REMARKS: ACCEPTED FOR USE IN ECCS MODEL ON 5/30/75. NOT REVIEWED FOR OTHER TRANSIENTS; WITHHOLDING APPROVED 9/7/77

RI SYM: WCAP-08218 (P), WCAP-8219 (NP) SUBMIT DATE: 10-31-73 CONCLUSION: ACCEPTED LETTER TO IND ORG: 06-25-74  
TAC #: 00710  
TITLE: FUEL DENSIFICATION, EXPERIMENTAL RESULTS AND MODEL FOR REACTOR APPLICATION

REMARKS: APPROVED REPORTS 3/6/75; ACCEPTED FOR THEORETICAL DENSITIES UP TO 96.5%; WITHHOLDING APPROVED 2/15/77.

RI SYM: WCAP-08234 (NP) SUBMIT DATE: 08-15-74 CONCLUSION: ACCEPTED LETTER TO IND ORG: 11-19-75  
TAC #: 01114  
TITLE: SEISMIC TESTING AND FUNCTIONAL VERIFICATION OF BY-PASS LOOP REACTOR COOLANT RTDS

REMARKS: APPROVED REPORT 02-27-76

RI SYM: WCAP-08236 (P), WCAP-8288 (NP) SUBMIT DATE: 03-02-74 CONCLUSION: ACCEPTED LETTER TO IND ORG: 02-06-79  
TAC #: 00905  
TITLE: SAFETY ANALYSIS OF THE 17X17 FUEL ASSEMBLY FOR COMBINED SEISMIC AND LOSS-OF-COOLANT ACCIDENT

REMARKS: LOCA LOAD ANALYSIS METHOD ACCEPTED; RESULTS OF COMBINED LOADS TO BE CONSIDERED IN EACH APPLICATION.

RI SYM: WCAP-08252 (NP) SUBMIT DATE: 06-06-74 CONCLUSION: ACCEPTED LETTER TO IND ORG: 04-07-81  
TAC #: 01282  
TITLE: DOCUMENTATION OF SELECTED WESTINGHOUSE STRUCTURAL ANALYSIS COMPUTER CODES

REMARKS: ACCEPTANCE OF REVISION 1 DATED 5/77

RI SYM: WCAP-08253 (NP) SUBMIT DATE: 06-18-74 CONCLUSION: WITHDRAWN LETTER TO IND ORG: 04-12-76  
TAC #: 01049  
TITLE: SOURCE TERM DATA FOR WESTINGHOUSE PRESSURIZED WATER REACTORS

REMARKS: REPORT WITHDRAWN FROM GENERIC REVIEW; USED AS BACKGROUND INFORMATION ONLY

RI SYM: WCAP-08255 (NP) SUBMIT DATE: 04-22-74 CONCLUSION: WITHDRAWN LETTER TO IND ORG: 01-19-76  
TAC #: 03884  
TITLE: NUCLEAR INSTRUMENTATION SYSTEM

REMARKS: PROVIDES FUNCTIONAL DESCRIPTION ONLY; LETTER FROM D.B. VASSALLO TO C. EICHELDINGER ON 03-20-75



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RI SYM: WCAP-08264 (P), WCAP-8312 (NP)

TITLE: TR "WESTINGHOUSE LOCA MASS & ENERGY RELEASE MODEL FOR CONTAINMENT DESIGN - MARC 1979 VERSION"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER    | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>CSB      | MORAN<br>LI | DKM<br>CCL  | 48580         | 04-25-79       |                  |                  |                      |                  |

REMARKS: REVIEW COMMENT & PREPARE SER

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RI SYM: WCAP-08264A (P), WCAP-8312A (NP)      SUBMIT DATE: 04-17-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 03-12-75  
TAC #: 01068  
TITLE: WESTINGHOUSE MASS AND ENERGY RELEASE DATA FRO CONTAINMENT DESIGN REV 1

REMARKS: APPROVED REVISED REPORTS 8/75; SAR TO SHOW CRITICAL BREAK & LOCATION AND PEAK PRESSURE ARE APPLICABLE

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RI SYM: WCAP-08271 (NP)      SUBMIT DATE: 05-31-74      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 11-09-77  
TAC #: 01020  
TITLE: PRESSURIZED WATER AND STEAM JET EFFECTS ON CONCRETE

REMARKS: SAR MUST INCLUDE THIS INFORMATION (STAFF LETTER DTD 11/18/74).

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RI SYM: WCAP-08278 (P), WCAP-8279 (NP)      SUBMIT DATE: 02-28-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 04-02-81  
TAC #: 00902  
TITLE: HYDRAULIC FLOW TEST OF THE 17X17 FUEL ASSEMBLY

REMARKS: SUPERSEDES OCT 22, 1975 INTERIM ACCEPTANCE & INCLUDES APPD A-E WITHHOLDING APPROVED 8/24/77

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RI SYM: WCAP-08282 (P), WCAP-8110 (NP)      SUBMIT DATE: 03-18-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 04-29-75  
TAC #: 03874  
TITLE: ICE CONDENSER FULL SCALE SECTION TEST AT WALTZ MILL FACILITY, (INCLUDING ADD. 1)

REMARKS: WCAP-8110 SUPPL. 6 & 7 ARE NP VERSIONS; RECOMMEND USE OF NEW H CORRELATION AND HIGH DRAIN TEMPERATURES

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RI SYM: WCAP-08289 (P), WCAP-8290 (NP)      SUBMIT DATE: 11-18-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-12-75  
TAC #: 01304  
TITLE: 17X17 DESIGN FUEL ROD BEHAVIOR DURING SIMULATED LOSS OF COOLANT ACCIDENT CONDITIONS (INCLUDING ADDENDUM 1)

REMARKS: ACCEPTED FOR CALCULATION OF SINGLE FUEL ROD BEHAVIOR; NOT ACCEPTED FOR MULTIPLE ROD BEHAVIOR

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RI SYM: WCAP-08291 (NP)      SUBMIT DATE: 06-07-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 01-15-75  
TAC #: 01069  
TITLE: REVIEW OF SELECT MATERIAL PROPERTIES FOR REACTOR VESSELS RELATIVE TO 10 CFR PART 50, APPENDIX G

REMARKS: SAR TO INCLUDE TOUGHNESS TEST RESULTS AND HAZ SPECIMENS FOR SURVEILLANCE

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RI SYM: WCAP-08296 (P), WCAP-8297 (NP)      SUBMIT DATE: 04-03-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-31-74  
TAC #: 00901  
TITLE: EFFECT OF 17X17 FUEL ASSEMBLY GEOMETRY ON DNB

REMARKS: INTERIM EVALUATION 10/22/75 ACCEPTS DESIGN; REC'D IRRADIATED FUEL SURV. RESULTS 1/18/79; WITHHOLDING APPROVED 8/24/77.

RI SYM: WCAP-08298 (P), WCAP-8299 (NP)      SUBMIT DATE: 04-01-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 11-21-74  
TAC #: 00903  
TITLE: EFFECT OF 17X17 FUEL ASSEMBLY GEOMETRY ON INTERCHANNEL THERMAL MIXING

REMARKS: APPROVED REPORTS 1/28/75; RECOMMEND USE OF TDC=0.038 INSTEAD OF 0.051; WITHHOLDING APPROVED 8/24/77

RI SYM: WCAP-08301 (P), WCAP-8305 (NP)      SUBMIT DATE: 07-15-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-30-75  
TAC #: 01268  
TITLE: LOCTA-IV PROGRAM: LOSS OF COOLANT TRANSIENT ANALYSIS

REMARKS: PART OF WESTINGHOUSE ECCS MODEL; WITHHOLDING APPVD 9/7/77

RI SYM: WCAP-08302 (P), WCAP-8306 (NP)      SUBMIT DATE: 07-15-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-30-75  
TAC #: 01265  
TITLE: SATAN-VI PROGRAM: COMPREHENSIVE SPACE-TIME DEPENDENT ANALYSIS OF LOSS-OF-COOLANT

REMARKS: PART OF WESTINGHOUSE ECCS MODEL; WITHHOLDING APPVD 9/7/77

RI SYM: WCAP-08303 (P), WCAP-8317 (NP)      SUBMIT DATE: 05-13-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-12-75  
TAC #: 01281  
TITLE: PREDICTION OF FLOW INDUCED VIBRATION OF REACTOR INTERNALS BY SCALE MODEL TESTS

REMARKS: APPVD REPORTS 7/28/75; LIMITED TO DETERMINATION OF EFFECT ON CORE BARREL OF THERMAL SHIELD; WITHHOLDING APPVD 11/14/77

RI SYM: WCAP-08304 (P), WCAP-8110 (NP)      SUBMIT DATE: 05-31-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-22-78  
TAC #: 00781  
TITLE: STRESS AND STRUCTURAL ANALYSIS AND TESTING OF ICE BASKETS (ICE CONDENSER SYSTEM)

REMARKS: INCLUDES SUPPL. 1 DATED 6/27/78 AND ADD'L INFO DATED 10/18/78; WITHHOLDING APPROVED 11/14/77.

RI SYM: WCAP-08324 (NP)      SUBMIT DATE: 06-27-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-23-74  
TAC #: 01050  
TITLE: CONTROL OF DELTA FERRITE IN AUSTENITIC STAINLESS STEEL WELDMENTS

REMARKS: APPROVED REPORT 6/23/75; PROGRESS REPORTS ON VERIFICATION PROGRAM RESULTS SUBMITTED 12/30/74, 3/25/75, 7/21/75, 10/28/75

RI SYM: WCAP-08327 (P), WCAP-8326 (NP)      SUBMIT DATE: 07-15-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-30-75  
TAC #: 01264  
TITLE: CONTAINMENT PRESSURE ANALYSIS CODE (COCG)

REMARKS: ACCEPTED FOR USE IN ECCS MODEL ON 5/30/75; NOT REVIEWED FOR USE IN CONTAIN. DESIGN TRANSIENT; WITHHOLDING APPVD 9/7/77

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RI SYM: WCAP-08330 (NP)

TITLE: WESTINGHOUSE ANTICIPATED TRANSIENTS WITHOUT TRIP ANALYSIS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER         | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | RRAB<br>SSPB     | THADANI<br>MORAN | ACT<br>DKM  | 01292         | 09-30-74       |                  |                  |                      | 04-01-78         |

REMARKS: STATUS RPT ON ATWS ISS APRIL 1978; REV DEFERRED UNTIL COMPLETION OF GENERIC TASK A-9. QUES RESPONSES PROPRIETARY

RI SYM: WCAP-08336 (P), WCAP-8110 (NP)      SUBMIT DATE: 05-31-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 11-03-75  
TAC #: 01280  
TITLE: ICE CONDENSER SYSTEM - LOWER INLET DOOR SHOCK ABSORBER TEST PLANS AND RESULTS

REMARKS: WCAP-8110 SUPPL 5 IS NP VERSION OF WCAP-8336; WITHHOLDING APPROVED 11/14/77

RI SYM: WCAP-08339 (NP)      SUBMIT DATE: 07-11-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-30-75  
TAC #: 01269  
TITLE: WESTINGHOUSE EMERGENCY CORE COOLING SYSTEM EVALUATION MODEL-SUMMARY

REMARKS: PART OF WESTINGHOUSE ECCS MODEL

RI SYM: WCAP-08340 (P), WCAP-8356 (NP)      SUBMIT DATE: 08-06-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-30-75  
TAC #: 01262  
TITLE: WESTINGHOUSE EMERGENCY CORE COOLING SYSTEM - PLANT SENSITIVITY STUDIES

REMARKS: PART OF WESTINGHOUSE ECCS MODEL; WITHHOLDING APPVD 9/7/77

RI SYM: WCAP-08341 (P), WCAP-8342 (NP)      SUBMIT DATE: 07-12-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-30-75  
TAC #: 01270  
TITLE: WESTINGHOUSE EMERGENCY CORE COOLING SYSTEM EVALUATION MODEL - SENSITIVITY STUDIES

REMARKS: PART OF WESTINGHOUSE ECCS MODEL; WITHHOLDING APPVD 9/7/77

RI SYM: WCAP-08346 (NP)      SUBMIT DATE: 05-31-74      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 01-09-76  
TAC #: 01197  
TITLE: AN EVALUATION OF FUEL ROD BOWING

REMARKS: INTERIM EVALUATION SENT TO WESTINGHOUSE ON 03-21-75; REPORT REPLACED BY WCAP-8691

RI SYM: WCAP-08349 (P), WCAP-8388 (NP)      SUBMIT DATE: 03-11-75      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 11-09-77  
TAC #: 01483  
TITLE: PERFORMANCE CHARACTERISTICS OF MIXED PU02-U02 FUELS IN PRESSURIZED WATER REACTORS

REMARKS: USE NOT LIKELY IN NEAR FUTURE

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RI SYM: WCAP-08354 (P), WCAP-8355 (NP)      SUBMIT DATE: 07-03-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-03-78  
TAC #: 01115  
TITLE: LONG TERM ICE CONDENSER CONTAINMENT CODE - LOTIC CODE FOR SLB

REMARKS: APPVD RPTS FOR LOCA RECD 4/27/76; APPVD RPTS FOR SLB RECD 7/31/79; WITHHOLDING APPVD 10/11/77, 2/14/78.

RI SYM: WCAP-08358 (P), WCAP-8265 (NP)      SUBMIT DATE: 09-27-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 04-08-76  
TAC #: 01266  
TITLE: WESTINGHOUSE MASS AND ENERGY RELEASE DATA FOR 3800 MWT NSSS CONTAINMENT DESIGN

REMARKS: SAR MUST SHOW APPLICABILITY OF INDIVIDUAL PLANT CRITICAL BREAK SIZE AND LOCATION AND PEAK PRESSURE

RI SYM: WCAP-08359 (NP)      SUBMIT DATE: 08-06-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-30-75  
TAC #: 01113  
TITLE: EFFECTS OF FUEL DENSIFICATION POWER SPIKES ON CLAD THERMAL TRANSIENTS

REMARKS: ACCEPTED FOR USE ON ECCS MODEL; WITHHOLDING APPVD 9/7/77.

RI SYM: WCAP-08366 (P), WCAP-8367 (NP)      SUBMIT DATE: 08-01-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 03-24-76  
TAC #: 01263  
TITLE: AIR TEST PROGRAM TO ESTABLISH THE COMPLETE PUMP CHARACTERISTICS OF WEMD93A MODEL RCP

REMARKS: WITHHOLDING APPVD 10/27/77

RI SYM: WCAP-08370 (NP)      SUBMIT DATE: 10-15-79      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 10-16-79  
TAC #: 09003  
TITLE: QUALITY ASSURANCE PLAN - WESTINGHOUSE WATER REACTOR DIVISIONS, REV. 9A

REMARKS:

RI SYM: WCAP-08373 (NP)

TITLE: QUALIFICATION OF WESTINGHOUSE SEISMIC TESTING PROCEDURE FOR ELECTRICAL EQUIPMENT TESTED PRIOR TO MAY 1974

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER     | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | MEB<br>SSPB      | HOU<br>MORAN | SXH<br>DKM  | 01111         | 08-29-74       |                  |                  |                      | 08-26-76         |

REMARKS: MEB REVIEW COMPLETED 8/26/76

RI SYM: WCAP-08377 (P), WCAP-8381 (NP)      SUBMIT DATE: 08-14-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 02-14-75  
TAC #: 01112  
TITLE: REVISED CLAD FLATTENING MODEL

REMARKS: WITHHOLDING APPVD 10/27/77

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RI SYM: WCAP-08385 (P), WCAP-8403 (NP)      SUBMIT DATE: 10-09-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 01-31-78  
TAC #: 01305  
TITLE: POWER DISTRIBUTION CONTROL AND LOAD FOLLOWING PROCEDURES

REMARKS: APPVD RPT DUE 4/30/78; FOR 3-LOOP & 4-LOOP WITH CORE FLUX PE = 2.32 PROVIDED TECH SPEC INCLUDE ALARMS

RI SYM: WCAP-08400 (P), WCAP-8432 (NP)

TITLE: ECCS HEAT TRANSFER EXPERIMENTS WITH UPPER HEAD INJECTION, VOL. I & VOL II.

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | ASB              | WAGNER   | NHW         | 01509         | 03-21-75       |                  |                  |                      | 06-12-81         |

REMARKS: REVIEWED WITH WCAP-8479. SER COMPLETED 3/29/78; RECEIVED REV. 2, ADD. 1 OCT. 15, 1979.

RI SYM: WCAP-08404 (NP)

TITLE: ANTICIPATED TRANSIENT WITHOUT TRIP ANALYSIS FOR WESTINGHOUSE PWRs WITH 44 SERIES STEAM GENERATORS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | SSPB             | MORAN    | DKM         | 01479         | 11-00-74       |                  |                  |                      |                  |

REMARKS: PERTAINS TO CLASS 2 PLANTS. STATUS RPT ISSUED APRIL 1978. REVIEW DEFERRED UNTIL COMPLETION OF GENERIC TASK A-9.

RI SYM: WCAP-08420 (NP)      SUBMIT DATE: 10-14-74      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 01-19-76  
TAC #: 01291

TITLE: ANTICIPATED TRANSIENT WITHOUT TRIP ANALYSIS FOR 2-LOOP WESTINGHOUSE PWR WITH MODEL D STEAM GENERATORS & 16X16 FUEL ARRAY

REMARKS: NOT A TOPICAL REPORT; REVIEWED AS PART OF THE NORTH COAST APPLICATION

RI SYM: WCAP-08424 (NP)

TITLE: AN EVALUATION OF LOSS OF FLOW ACCIDENTS CAUSED BY POWER SYSTEM FREQUENCY TRANSIENTS IN WESTINGHOUSE PWRs, REV. 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER           | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | PS<br>SSPB       | LAZEVNICK<br>MORAN | JHL<br>DKM  | 01717         | 06-02-75       |                  |                  |                      |                  |

REMARKS: ADD'L INFO RECEIVED 2/17/76; REVIEWED WITH GENERIC TASK A-35



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RI SYM: WCAP-08446 (P), WCAP-8449 (NP)      SUBMIT DATE: 01-23-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 02-24-76  
TAC #: 01496  
TITLE: 17 X 17 DRTVE LINE COMPONENTS TESTS-PHASE 1B, II, III D-LOOP DROP AND DEFLECTION

REMARKS: SAR TO INCLUDE PRESERVICE AND INSERVICE SURVEILLANCE TESTS; WITHHOLDING APPVD 10/27/77

RI SYM: WCAP-08447 (P), WCAP-8448 (NP)      SUBMIT DATE: 12-00-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 09-02-77  
TAC #: 01409  
TITLE: ROTO-LOK CLOSURE SYSTEM DEVELOPMENT

REMARKS: LIMITED TO PEAK PRESSURE OF 2800 PSIG; SUBJECT TO REV. OF FINAL DESIGN OF S. TEXAS PLANT; WITHHOLDING DENIED 10/20/77.

RI SYM: WCAP-08453 (P), WCAP-8454 (NP)      SUBMIT DATE: 01-09-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 07-09-75  
TAC #: 01388  
TITLE: ANALYSIS OF DATA FROM THE ZION (UNIT 1) THINC VERIFICATION TEST

REMARKS: APPVD RPT WCAP-8453-A (5/10/76)(NP); LIMITED TO SUBCOOLED EXIT CONDITIONS; WITHHOLDING DENIED 10/20/77

RI SYM: WCAP-08471 (P), WCAP-8472 (NP)      SUBMIT DATE: 04-16-74      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-30-75  
TAC #: 01561  
TITLE: THE WESTINGHOUSE ECCS EVALUATION MODEL - SUPPLEMENTARY INFORMATION

REMARKS: APPVD REPORTS 6/24/75; ECCS MODEL FOR REFLOOD RATES LESS THAN 1 FOOT PER SECOND; WITHHOLDING APPVD 9/7/77

RI SYM: WCAP-08479 (P), WCAP-8480 (NP)

TITLE: WESTINGHOUSE EMERGENCY CORE COOLING SYSTEM EVALUATION MODEL APPLICATION TO PLANTS EQUIPPED WITH UPPER HEAD INJECTION

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | RSB<br>SSPB      | LAUBEN<br>MORAN | NGL<br>DKM  | 01480         | 03-08-75       |                  |                  |                      | 03-11-83         |

REMARKS: REVIEWED WITH WCAP-8400, 8582, 8793. SER COMPLETED 3/29/78; REC'D REV. 2, ADD. 1 OCTOBER 15, 1979.

RI SYM: WCAP-08498 (NP)

TITLE: INCORE POWER DISTRIBUTION DETERMINATION IN WESTINGHOUSE PRESSURIZED WATER REACTORS

| REQ<br>ORG | REQUESTER   | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-------------|------------------|-------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L L KINTNER | CPB<br>SSPB      | RICHINGS<br>MORAN | HJR<br>DKM  | 04652         | 07-22-75       |                  |                  |                      |                  |

REMARKS: REVIEW WITH WCAP-7308-L

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RI SYM: WCAP-08510 (NP)

TITLE: METHOD FOR FRACTURE MECHANICS ANALYSIS OF NUCLEAR REACTORS UNDER SEVERE THERMAL TRANSIENTS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | KINTNER   | SSPB             | MORAN    | DKM         | 04246         | 09-03-76       |                  |                  |                      |                  |

REMARKS: REVIEW DEFERRED UNTIL GENERIC WORK TASK A-11 IS COMPLETED.

RI SYM: WCAP-08516 (P), WCAP-8517 (NP)      SUBMIT DATE: 04-22-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 10-31-75  
TAC #: 01705  
TITLE: UHI PLANT INTERNALS VIBRATION MEASUREMENT AND PROGRAM AND PRE AND POST HOT FUNCTIONAL EXAMINATIONS

REMARKS: WITHHOLDING APPROVED 9/14/77

RI SYM: WCAP-08529 (P), WCAP-8531 (NP)      SUBMIT DATE: 06-09-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 08-15-75  
TAC #: 03887  
TITLE: POWER RAMP DEMONSTRATIONS IN WESTINGHOUSE PWR'S

REMARKS: WITHHOLDING APPROVED 8/24/77

RI SYM: WCAP-08536 (P), WCAP-8537 (NP)      SUBMIT DATE: 06-16-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 02-11-77  
TAC #: 01716  
TITLE: CRITICAL HEAT FLUX TESTING OF 17X17 FUEL ASSEMBLY GEOMETRY WITH 22-INCH SPACING.

REMARKS:

RI SYM: WCAP-08565 (P), WCAP-8566 (NP)      SUBMIT DATE: 09-01-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 11-12-75  
TAC #: 01812  
TITLE: WESTINGHOUSE ECCS FOUR LOOP PLANT (17X17) SENSITIVITY STUDIES

REMARKS: APPROVED REPORTS 4/1/76; APPLICABLE FOR POWER TO 3800 MWT, BOTTOM FLOODING, DRY CONTAINMENT; WITHHOLDING APPVD 8/24/77

RI SYM: WCAP-08567 (P), WCAP-8568 (NP)      SUBMIT DATE: 09-01-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 04-19-78  
TAC #: 01871  
TITLE: IMPROVED THERMAL DESIGN PROCEDURE

REMARKS: WITHHOLDING APPVD BY STAFF LTR 4/17/78 & WEST. LTR 5/9/78; ACCEPTED SUBJECT TO CONDITIONS IN STAFF LTR DATED 4/19/78.

RI SYM: WCAP-08572 (P), WCAP-8573 (NP)      SUBMIT DATE: 09-01-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 11-07-75  
TAC #: 01811  
TITLE: WESTINGHOUSE ECCS THREE LOOP PLANT (17X17) SENSITIVITY STUDIES

REMARKS: WITHHOLDING APPROVED 8/4/77



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RI SYM: WCAP-08577 (NP) SUBMIT DATE: 02-20-76 CONCLUSION: ACCEPTED LETTER TO IND ORG: 06-18-76  
TAC #: 03629  
TITLE: THE APPLICATION OF PREHEAT TEMPERATURES AFTER WELDING OF PRESSURE VESSEL STEELS

REMARKS: ACCEPTABLE ALTERNATIVE FOR POSITION 2 OF REG GUIDE 1.50; POSITIONS 1,3 AND 4 STILL APPLICABLE

RI SYM: WCAP-08582 (P), WCAP-8642 (NP)

TITLE: BLOWDOWN EXPERIMENTS WITH U.H.T. IN G-2 17X17 ROD ARRAY FACILITY, VOL I, TEST FACILITIES, PROCEDURES AND DATA

| REQ ORG | REQUESTER | REVIEW BRANCH | REVIEWER        | REV INIT   | TAC NUMBER | SUBMIT DATE | REQ TARG DATE | EST COMP DATE | ADD INFO REQ DATE | REV COMP DATE |
|---------|-----------|---------------|-----------------|------------|------------|-------------|---------------|---------------|-------------------|---------------|
| ADLR    | J. CURRY  | ASB<br>SSPB   | WAGNER<br>MORAN | NHW<br>DKM | 03346      | 01-21-76    |               |               |                   | 12-12-78      |

REMARKS: REVIEWED WITH WCAP-8479. SER COMPLETED 3/29/78; RECEIVED REV. 2, ADD 1 ON OCTOBER 15, 1979.

RI SYM: WCAP-08584 (P), WCAP-8760 (NP)

TITLE: FAILURE MODES AND EFFECTS ANALYSIS (FMEA) OF THE ENGINEERED SAFEGUARD FEATURES ACTUATION SYSTEM REV 1

| REQ ORG | REQUESTER | REVIEW BRANCH | REVIEWER    | REV INIT   | TAC NUMBER | SUBMIT DATE | REQ TARG DATE | EST COMP DATE | ADD INFO REQ DATE | REV COMP DATE |
|---------|-----------|---------------|-------------|------------|------------|-------------|---------------|---------------|-------------------|---------------|
| LWR1    | J. CURRY  | ICB<br>SSPB   | LI<br>MORAN | HCL<br>DKM | 03953      | 05-03-76    |               | 07-01-83      | 02-15-78          |               |

REMARKS: WITHHOLDING APPROVED 2/22/78; REV 1 SUBMITTED 3/20/80.

RI SYM: WCAP-08587/8687 (P), (NP)

TITLE: WESTINGHOUSE ELECTRICAL EQUIPMENT QUALIFICATION PROGRAM

| REQ ORG | REQUESTER | REVIEW BRANCH | REVIEWER | REV INIT | TAC NUMBER | SUBMIT DATE | REQ TARG DATE | EST COMP DATE | ADD INFO REQ DATE | REV COMP DATE |
|---------|-----------|---------------|----------|----------|------------|-------------|---------------|---------------|-------------------|---------------|
| SSPB    | MORAN     | SSPB          | MORAN    | DKM      | 53211      |             |               |               |                   |               |

REMARKS:

RI SYM: WCAP-08589 (P), WCAP-8599 (NP) SUBMIT DATE: 09-19-75 CONCLUSION: ACCEPTED LETTER TO IND ORG: 02-11-77  
TAC #: 01923  
TITLE: AXIAL POWER DISTRIBUTION MONITORING SYSTEM

REMARKS:

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RI SYM: WCAP-08622 (P), WCAP-8623 (NP)      SUBMIT DATE: 12-11-75      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-13-76  
TAC #: 03065  
TITLE: WESTINGHOUSE ECCS EVALUATION MODEL

REMARKS: 10/75 ECCS MODEL; APPLICABLE TO 16X16 AND 17X17 ARRAYS OF FUEL RODS; WITHHOLDING APPVD 11/3/77

RI SYM: WCAP-08624 (P), WCAP-8695 (NP)

TITLE: GENERAL METHOD OF DEVELOPING MULTIFREQUENCY BIAXIAL TEST INPUTS FOR BISTABLES

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| ADLR       | J. CURRY  | SSPB             | MORAN    | DKM         | 03359         | 02-17-76       |                  |                  |                      |                  |

REMARKS: REVIEW WITH WCAP-8832(P); WITHHOLDING APPVD 4/18/78.

RI SYM: WCAP-08637 (NP)      SUBMIT DATE: 03-24-76      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 12-06-77  
TAC #: 03651  
TITLE: IODINE BEHAVIOR UNDER TRANSIENT CONDITIONS IN THE PRESSURIZED WATER REACTOR - WCPP-1637

REMARKS: WESTINGHOUSE LETTER DATED 12/6/77 REQUESTED WITHDRAWAL.

RI SYM: WCAP-08646 (P), WCAP-8647 (NP)      SUBMIT DATE: 03-25-80      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 03-25-80  
TAC #: 03336  
TITLE: ANALYSIS OF FUEL ROD FRETTING WEAR

REMARKS: REQUEST DISCONTINUE REVIEW 03/25/80 BY WESTINGHOUSE

RI SYM: WCAP-08648 (NP)      SUBMIT DATE: 07-13-76      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 11-11-77  
TAC #: 04198  
TITLE: EXCORE DETECTOR RECALIBRATION USING QUARTER-CORE FLUX MAPS

REMARKS:

RI SYM: WCAP-08660 (NP)

TITLE: APPENDIX A TO RESAR-3S COMBUSTIBLE GAS CONTROL IN CONTAINMENT

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| ADLR       | J. CURRY  | SSPB             | MORAN    | DKM         | 03694         | 02-26-76       |                  |                  |                      |                  |

REMARKS: RECEIVED ADDL INFO DATED 9/14/76.



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RI SYM: WCAP-08673 (P), WCAP-8674 (NP)

TITLE: MULTI-FREQUENCY AND DIRECTION SEISMIC TESTING OF RELAYS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER     | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| ADLR       | J. CURRY  | MEB<br>SSPB      | HOU<br>MORAN | SXH<br>DKM  | 03678         | 03-22-76       |                  |                  |                      | 08-26-76         |

REMARKS: WITHHOLDING APPROVED 4/18/78; MEB REVIEW COMPLETED 8/26/76

RI SYM: WCAP-08687 (P), WCAP-8587 (NP)

TITLE: TR "METHODOLOGY FOR QUALIFYING WESTINGHOUSE WRO SUPPL NSSS SAFETY RELATED ELECTRICAL EQUIPMENT REV 5

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 43060         | 07-21-80       |                  |                  |                      |                  |

REMARKS: REVIEW, COMMENT & PREPARE SER WCAP 8687 (P) IS PROPRIETARY SUPPLEMENT OF WCAP 8587

RI SYM: WCAP-08687 (P), WCAP-8587 (NP)

TITLE: ENVIRONMENTAL QUALIFICATION OF WESTINGHOUSE NSS CLASS IE EQUIPMENT

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH  | REVIEWER                   | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|-------------------|----------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | PS<br>CSB<br>SSPB | CHOPRA<br>TINKLER<br>MORAN | OPC<br>CGT<br>DKM | 03000         | 01-26-81       |                  |                  |                      |                  |

REMARKS: REC'D 7/9/81 REV 4 TO TESTING & RPT SUBMITTAL SCHEDULE

RI SYM: WCAP-08691 (P), WCAP-8692 (NP)      SUBMIT DATE: 01-13-76      CONCLUSION: WITHDRAWN      LETTER TO IND ORG: 06-19-78  
TAC #: 03335  
TITLE: FUEL ROD BOWING

REMARKS: WITHHOLDING APPROVED 2/21/79; REV. 1 TO WCAP-8691 SUBMITTED 9/4/79 SUPERCEDES THIS REPORT.

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RI SYM: WCAP-08691 (P), WCAP-8692 (NP)

TITLE: FUEL ROD BOW EVALUATION, REV. 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER  | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | KINTNER   | CPB              | POWERS    | DAP         | 05307         | 10-09-81       |                  | 11-15-82         | 06-12-81             | 10-25-82         |
|            |           | CPB              | PHILLIPS  | LEP         |               |                |                  |                  |                      | 12-29-82         |
|            |           | RSB              | HODGES    | MWH         |               |                |                  |                  |                      | 12-29-82         |
|            |           | SSPB             | MORAN     | DKM         |               |                |                  |                  |                      | 12-29-82         |
|            |           | CPB              | BALUKJIAN | HYB         |               |                |                  |                  |                      | 12-24-82         |

REMARKS: CPB POWERS DAP PARTIAL RESP RECD 10/9/81 COMPL RESP RECD 3/23/82 TO RFAI #1

RI SYM: WCAP-08694 (P), WCAP-8655 (NP)

TITLE: SEISMIC QUALIFICATION OF THE ROTARY RELAY FOR USE IN THE SOLID STATE PROTECTION SYSTEM

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| ADLR       | J. CURRY  | SSPB             | MORAN    | DKM         | 03683         | 04-07-76       |                  |                  |                      |                  |

REMARKS: WITHHOLDING APPROVED 4/18/78; MEB REVIEW COMPLETED 8/26/76

RI SYM: WCAP-08708 (P), WCAP-8709 (NP) SUBMIT DATE: 02-23-76 CONCLUSION: ACCEPTED LETTER TO IND ORG: 06-17-77

TAC #: 03363

TITLE: MULTIFLEX, A FORTRAN IV COMPUTER PROGRAM FOR ANALYZING THERMAL-HYDRAULIC-STRUCTURE SYSTEM DYNAMICS

REMARKS: RECD APPVD REPORTSSA DTD 9/16/77, SUPPLEMENTAL LTR DTD 10/3/77.

RI SYM: WCAP-08720(P)ADD2 (P), (NP)

TITLE: TR "REVISED PAD CODE THERMAL SAFETY MODEL - ADDENDUM 2

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER  | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN     | DKM         | 49116         | 10-27-82       | 01-15-83         |                  | 05-03-83             |                  |
|            |           | CPB              | VOGLEWEDE | JCV         |               |                |                  |                  |                      | 12-09-83         |

REMARKS: REVIEW, COMMENT & PREPARE SER IN SUPPORT OF DC COOK UNIT 1 CYCLE 8 APPLICATION 1ST Q. 1983

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RI SYM: WCAP-08745 (P), WCAP-8746 (NP)

TITLE: DESIGN BASIS FOR THE THERMAL OVERPOWER DELTA T AND THERMAL OVERTEMPERATURE DELTA T TRIP FUNCTIONS

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER           | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|--------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L. KINTNER | SSPB<br>CPB      | MORAN<br>DUNENFELD | DKM<br>MSD  | 04551         | 03-31-77       |                  | 09-30-81         |                      |                  |

REMARKS: WITHHOLDING APPVD 11/9/77

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RI SYM: WCAP-08754 (NP) SUBMIT DATE: 06-00-76 CONCLUSION: WITHDRAWN LETTER TO IND ORG: 02-16-79  
TAC #: 04261  
TITLE: TOPICAL REPORT-ENVIRONMENTAL QUALIFICATION OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE

REMARKS: WITHDRAWAL REQUESTED PER WESTINGHOUSE LETTER DATED 1/29/79. ESED PER WEST. LETTER DATED 1/29/79.

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RI SYM: WCAP-08762 (P), WCAP-8763 (NP) SUBMIT DATE: 10-01-76 CONCLUSION: ACCEPTED LETTER TO IND ORG: 04-19-78  
TAC #: 04340  
TITLE: NEW W CORRELATION WRB-1 FOR PREDICTING CRITICAL HEAT FLUX IN ROD BUNDLES WITH MIXING VANE GRIDS

REMARKS: WITHHOLDING APPVD 2/21/78; ACCEPTED MINIMUM DNBR OF 1.17 FOR 'R' GRID & 1.37 FOR 'L' GRID.

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RI SYM: WCAP-08762 (P), WCAP-08763 (NP)

TITLE: NEW W. CORRELATIONS WBR-1 FOR PREDICTING CRITICAL HEAT FLUX IN ROD BUNDLES WITH MIXING VANE GRIDS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER    | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE     |
|------------|-----------|------------------|-------------|-------------|---------------|----------------|------------------|------------------|----------------------|----------------------|
| SSPB       | MORAN     | SSPB<br>CPE      | MORAN<br>WU | DKM<br>SDW  | 53285         | 10-01-76       |                  |                  |                      | 04-19-78<br>04-19-78 |

REMARKS:

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RI SYM: WCAP-08766 (P), WCAP-8780 (NP) SUBMIT DATE: 05-21-76 CONCLUSION: ACCEPTED LETTER TO IND ORG: 01-06-78  
TAC #: 04456  
TITLE: VERIFICATION OF NEUTRON PAD AND 17X17 GUIDE TUBE DESIGNS BY PREOPERATIONAL TESTS ON TROJAN 1 POWER PLANT

REMARKS: TROJAN 1 IS ACCEPTED AS A LIMITED VALID PROTOTYPE AS DEFINED IN REGULATORY GUIDE 1.20



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RI SYM: WCAP-08793 (P), WCAP-8794 (NP)

TITLE: UHI ICE CONDENSER CONTAINMENT, G-2 REFILL HEAT TRANSFER TESTS AND ANALYSES

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | KINTNER   | SSPB             | MORAN    | DKM         | 04478         | 09-01-76       |                  |                  |                      |                  |

REMARKS: REVIEWED WITH WCAP-8479; SET COMPLETED 3/29/78; REC'D REV. 2, ADD 1 ON OCT. 15, 1979.

RI SYM: WCAP-08802 (NP) SUBMIT DATE: 09-17-76 CONCLUSION: NOT ACCEPTED LETTER TO IND ORG: 10-21-77  
TAC #: 04506  
TITLE: AUGMENTED INSERVICE INSPECTION OF PIPE WELDS AT REACTOR VESSEL NOZZLES

REMARKS: RECOMMENDED EVALUATION OF PIPE BREAK EFFECTS ON REACTOR VESSEL SUPPORTS

RI SYM: WCAP-08821 (P), WCAP-8859 (NP)

TITLE: TRANFLO STEAM GENERATOR CODE DESCRIPTION

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH          | REVIEWER                        | REV<br>INIT              | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE                             |
|------------|-----------|---------------------------|---------------------------------|--------------------------|---------------|----------------|------------------|------------------|----------------------|--|
| LWR1       | KINTNER   | CSB<br>MEB<br>SSPB<br>CSB | TINKLER<br>RAJAN<br>MORAN<br>LI | CGT<br>JNR<br>DKM<br>CCL | 04304         | 09-00-76       |                  |                  | 02-15-79             | 08-22-83<br>08-22-83<br>08-22-83<br>08-22-83 |

REMARKS: RECD RESPONSE TO QUES 6 OF 11/29/78 RFAI COMPLETES RESPONSE

RI SYM: WCAP-08822 (P), WCAP-8860 (NP)

TITLE: MASS AND ENERGY RELEASES FOLLOWING A STEAM LINE RUPTURE

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH   | REVIEWER               | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE                 |
|------------|-----------|--------------------|------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|----------------------------------|
| LWR1       | KINTNER   | CSB<br>SSPB<br>CSB | TINKLER<br>MORAN<br>LI | CGT<br>DKM<br>CCL | 04303         | 09-00-76       |                  |                  |                      | 08-22-83<br>08-22-83<br>08-22-83 |

REMARKS: RECD RESPONSE TO QUEST 6 OF 11/29/78 RFAI COMPLETES RESP COMPLETES RESPONSE



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RI SYM: WCAP-08828 (P), WCAP-8829 (NP)

TITLE: SEISMIC OPERABILITY DEMONSTRATION TESTING OF WESTINGHOUSE ISP 7300 SERIES PROCESS INSTRUMENTATION BISTABLES

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L. KINTNER | SSPB             | MORAN    | DKM         | 04449         | 12-02-76       |                  |                  |                      |                  |

REMARKS: WITHHOLDING APPVD 11/7/77.

RI SYM: WCAP-08830 (P), WCAP-8831 (NP)

TITLE: SEISMIC OPERABILITY DEMONSTRATION TESTING OF NUCLEAR INSTRUMENTATION SYSTEM BISTABLE AMPLIFIER

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L. KINTNER | SSPB             | MORAN    | DKM         | 04421         | 11-29-76       |                  |                  |                      |                  |

REMARKS: RECEIVED ADDL INFO DATED 11/22/77; WITHHOLDING APPVD 11/17/77.

RI SYM: WCAP-08832 (P), WCAP-8833 (NP)

TITLE: SEISMIC OPERABILITY DEMONSTRATION TESTING OF THE WESTINGHOUSE CID 7100 SERIES PROCESS INSTRUMENTATION SYSTEM BISTABLES

| REQ<br>ORG | REQUESTER  | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L. KINTNER | SSPB             | MORAN    | DKM         | 04501         | 12-02-76       |                  |                  |                      |                  |

REMARKS: WITHHOLDING APPVD 11/17/77.

RI SYM: WCAP-08843 (P), WCAP-8844 (NP)

TITLE: MARVEL--DIGITAL COMPUTER CODE FOR TRANSIENT ANALYSIS OF A MULTILoop PWR SYSTEM

| REQ<br>ORG | REQUESTER   | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L L KINTNER | SSPB             | MORAN    | DKM         | 04772         | 12-05-77       |                  |                  |                      |                  |

REMARKS: WITHHOLDING APPROVED 2/21/78.



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RI SYM: WCAP-08897 (P), WCAP-08898 (NP)

TITLE: BYPASS LOGIC FOR THE WESTINGHOUSE INTEGRATED PROTECTION SYSTEM

| REQ<br>ORG | REQUESTER     | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|---------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L. L. KINTNER | SSPB             | MORAN    | DKM         | 04565         | 04-29-77       |                  |                  |                      |                  |

REMARKS: ICB HAS LEAD. RECD ADDENDUM 1 DTD 11/17/77. PART OF RESAR-414 IPS R&D PROGRAM

RI SYM: WCAP-08899 (P), WCAP-8900 (NP)

TITLE: WESTINGHOUSE MODEL 414 CONTROL SYSTEM SIGNAL SELECTION DEVICE

| REQ<br>ORG | REQUESTER     | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|---------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L. L. KINTNER | SSPB             | MORAN    | DKM         | 04599         | 05-24-77       |                  |                  |                      |                  |

REMARKS: WITHHOLDING APPVD 10/4/78; ADDL INFO REQUESTED 4/11/79 PER NUREG-0493.

RI SYM: WCAP-08904 (NP)

SUBMIT DATE: 02-28-77

CONCLUSION: ACCEPTED

LETTER TO IND ORG: 02-28-79

TAC #: 04504

TITLE: WESTINGHOUSE ECCS EVAL. MODEL FOR (N-1) LOOP OPERATION OF PLANTS WITH LOOP ISOLATION VALVES

REMARKS: APPVD REPT RECD 6/19/79; ACCEPTED FOR LARGE BREAKS USING (1) 2 OR MORE PIPE NODES & (2) WCAP-8341 FOR MOMENTUM FLUX.

RI SYM: WCAP-08929 (NP)

TITLE: BENCHMARK PROBLEM SOLUTIONS EMPLOYED FOR VERIFICATION OF WECAN COMPUTER PROGRAM

| REQ<br>ORG | REQUESTER   | REVIEW<br>BRANCH    | REVIEWER                | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-------------|---------------------|-------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L L KINTNER | MEB<br>SGEB<br>SSPB | HARTZMAN<br>MA<br>MORAN | MYH<br>JKM<br>DKM | 04612         | 05-26-77       |                  |                  |                      | 01-21-83         |

REMARKS: REC'D SOLUTION TO BEACHMARK PROBLEMS 1,323 A & 4 TRACTED TO ORNL. REC'D ADD'L INFO 4/10/81

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RI SYM: WCAP-08936 (P), WCAP-8937 (NP)

TITLE: ENVIRONMENTAL QUALIFICATION INSTRUMENT TRANSMITTER TEMP. TRANSIENT ANALYSIS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | KINTNER   | SSPB             | MORAN    | DKM         | 04522         | 03-14-77       |                  |                  |                      |                  |

REMARKS: REVIEW DEFERRED UNTIL COMPLETION OF GENERIC TASK A-21; "MAIN STEAMLINE LEAK INSIDE CONTAINMENT".

RI SYM: WCAP-08941 (P), WCAP-9194 (NP)

TITLE: SEISMIC QUALIFICATION OF ROTARY RELAY FOR USE IN TROJAN & DIABLO CANYON AUXILIARY SAFEGUARDS CABINETS

| REQ<br>ORG | REQUESTER   | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L L KINTNER | SSPB             | MORAN    | DKM         | 04717         | 10-25-77       |                  |                  |                      |                  |

REMARKS:

RI SYM: WCAP-08963 (P), WCAP-8964 (NP)      SUBMIT DATE: 03-31-77      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-19-78  
TAC #: 04613

TITLE: SAFETY ANALYSIS FOR REVISED FUEL ROD INTERNAL PRESSURE DESIGN BASIS

REMARKS: APPROVED REPORTS 1/29/79.

RI SYM: WCAP-08965 (NP)

TITLE: SEISMIC TESTING OF VERITRAK MODEL 59 TRANSMITTERS

| REQ<br>ORG | REQUESTER   | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L L KINTNER | SSPB             | MORAN    | DKM         | 04628         | 07-22-77       |                  |                  |                      |                  |

REMARKS:







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RI SYM: WCAP-09153 (P), WCAP-9154 (NP)

TITLE: RESAR 414 INTEGRATED PROTECTION SYSTEM PROTOTYPE VERIFICATION PROGRAM

|            |             |                  |          |             |               |                |                  |                  |                      |                  |
|------------|-------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| REQ<br>ORG | REQUESTER   | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
| LWR1       | L L KINTNER | SSPB             | MORAN    | DKM         | 04687         | 09-12-77       |                  |                  | 01-01-80             |                  |

REMARKS: ICB HAS LEAD; REQUESTED ADDL INFO 4/11/79 PER NUREG-0493.

RI SYM: WCAP-09157 (P), WCAP-9211 (NP)

TITLE: ENVIRONMENTAL QUALIFICATION OF SAFETY RELATED CLASS IE PROCESS INSTRUMENTATION

|            |           |                  |          |             |               |                |                  |                  |                      |                  |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
| LWR1       | KINTNER   | SSPB             | MORAN    | DKM         | 04784         | 12-16-77       |                  |                  | 01-30-80             |                  |

REMARKS: RECEIVED ADDITIONAL INFORMATION DATE FEBRUARY 14, 1980.

RI SYM: WCAP-09166 (P), WCAP-9167 (NP)

TITLE: WESTINGHOUSE ECCS MODEL FOR ANALYZING LARGE LOCAS DURING OPER. W/LOOP OUT OF SERV. FOR PLANTS WITHOUT LOOP ISOL. VALVES

|            |           |                  |          |             |               |                |                  |                  |                      |                  |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
| LWR1       | KINTNER   | SSPB             | MORAN    | DKM         | 04878         | 03-06-78       |                  |                  |                      |                  |

REMARKS: REC'D ADDL INFO DATED 11/01/78; WITHHOLDING APPVD 8/13/79.

RI SYM: WCAP-09168 (P), WCAP-9150 (NP)

TITLE: WESTINGHOUSE ECCS EVALUATION MODEL--MODIFIED OCTOBER 1975 VERSION

|            |             |                  |          |             |               |                |                  |                  |                      |                  |
|------------|-------------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| REQ<br>ORG | REQUESTER   | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
| LWR1       | L L KINTNER | SSPB             | MORAN    | DKM         | 04702         | 09-27-77       |                  |                  |                      |                  |

REMARKS: WITHHOLDING APPVD 12/21/77.



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RI SYM: WCAP-09172 (P), WCAP-9264 (NP)

TITLE: AB HAS LEAD; WESTINGHOUSE LETTER DATED 6/22/78 REQUESTED WITHDRAWAL. REVIEW STARTED AGAIN 10-29-83. RAI #1 06-04-84

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER      | REV<br>INIT | TAC<br>NUMBER     | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|---------------|-------------|-------------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L KINTNER | SSPB<br>CPB      | MORAN<br>LOIS | DKM<br>LAL  | 0484 <sup>o</sup> | 02-28-78       |                  | 09-30-81         |                      |                  |

REMARKS: AB HAS LEAD; WESTINGHOUSE LETTER DATED 6/22/78 REQUESTED WITHDRAWAL.

RI SYM: WCAP-09179 (P), WCAP-9224 (NP) SUBMIT DATE: 10-25-77 CONCLUSION: ACCEPTED LETTER TO IND ORG: 09-29-82  
TAC #: 04721  
TITLE: "TR" PROPERTIES OF FUEL AND CORE COMPONENT MATERIAL REV 1

REMARKS: WITHHOLDING APPROVED 2/8/79 RECD PAGE REVISION

RI SYM: WCAP-09179(P) (P), WCAP-9224(NP) (NP)

TITLE: TR "PROPERTIES OF FUEL & CORE COMPONENT MATERIALS REVISION 1 - SUPPORTING INFORMATION

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 49303         | 11-30-82       |                  |                  |                      | 07-21-83         |

REMARKS:

RI SYM: WCAP-09180 (P), WCAP-9181 (NP) SUBMIT DATE: 10-06-77 CONCLUSION: WITHDRAWN LETTER TO IND ORG: 08-09-78  
TAC #: 04715  
TITLE: CONSIDERATION OF UNCERTAINTIES IN SPECIFICATION OF CORE HOT CHANNEL FACTOR LIMITS

REMARKS: STAFF LETTER DATED 8/9/78 RECOMMENDED CONSIDERATION OF APPENDIX K RULE CHANGE.

RI SYM: WCAP-09190 (P), WCAP-9191 (NP) SUBMIT DATE: 01-31-78 CONCLUSION: ACCEPTED LETTER TO IND ORG: 01-23-79  
TAC #: 04812  
TITLE: N-16 POWER MEASURING SYSTEM

REMARKS: ACCURACY OF PRODUCTION UNIT MUST BE ASSESSED FOR LEAD PLANT.

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RI SYM: WCAP-09198 (NP)

TITLE: REACTOR VESSEL HEAD DROP ANALYSIS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER      | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|---------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR2       | KINTNER   | ASB<br>SSPB      | PARR<br>MORAN | ODP<br>DKM  | 04884         | 01-23-78       |                  |                  |                      | 07-17-81         |

REMARKS: ASB HAS LEAD

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RI SYM: WCAP-09217 (P), WCAP-9218 (NP)      SUBMIT DATE: 12-30-77      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 06-09-78  
TAC #: 04785  
TITLE: RESULTS OF THE CONTROL ROD WORTH PROGRAM

REMARKS: WITHHOLDING APPVD 2/28/78; 7% UNCERTAINTY ALLOWANCE ACCEPTABLE FOR AG-IN-CD RODS ONLY.

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RI SYM: WCAP-09220 (P), WCAP-9221 (NP)      SUBMIT DATE: 03-03-78      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 08-29-78  
TAC #: 04850  
TITLE: WESTINGHOUSE ECCS EVALUATION MODEL FEBRUARY 1978 VERSION

REMARKS: UPDTD TO 1981 VERSION PER PROPOSAL NS TMA 2448 ACCEPTED 12/1/81 WITHHOLDING APPROVED 8/29/78

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RI SYM: WCAP-09220A (P), WCAP-9221A (NP)      SUBMIT DATE: 02-17-82      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 12-01-81  
TAC #: 48006  
TITLE: TR "WESTINGHOUSE ECCS EVALUATION MODEL 1981 VERSION REV 1"

REMARKS: DAT'D FEB 1982 INCORPORATES TR NS-TMA 2448 INTO ACCEPTED VERSION WITHHOLDING APPROVED 8/29/78

RI SYM: WCAP-09222 (P), WCAP-9223 (NP)

TITLE: WESTINGHOUSE EMERGENCY CORE COOLING SYSTEM SMALL BREAK FEB. 1978 EVALUATION MODEL

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | KINTNER   | SSPB             | MORAN    | DKM         | 04851         | 03-10-78       | 03-15-79         |                  |                      |                  |

REMARKS: WITHHOLDING APPROVED 8/13/79.

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RI SYM: WCAP-09226 (P), WCAP-9227 (NP)

TITLE: REACTOR CORE RESPONSE TO EXCESSIVE SECONDARY STEAM RELEASES REV 1

| REQ<br>ORG | REQUESTER     | REVIEW<br>BRANCH   | REVIEWER                       | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|---------------|--------------------|--------------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L. L. KINTNER | CPB<br>SSPB<br>RSB | BALUKJIAN<br>MORAN<br>GUTTMANN | HYB<br>DKM<br>JZG | 04814         | 02-01-78       |                  |                  | 06-15-83             |                  |

REMARKS: AB HAS LEAD; WCAP-9226 REV 1 SUPER WCAP-9226; RECD ADDL INFO 5/7/79; RECD RESP DTD 7/30/80 TO RFAI;RAI #3 SENT 4-19-84

RI SYM: WCAP-09230 (P), WCAP-9231 (NP)

TITLE: REPORT ON THE CONSEQUENCES OF A POSTULATED MAIN FEEDLINE RUPTURE

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | KINTNER   | SSPB<br>RSB      | MORAN<br>GUTTMANN | DKM<br>JZG  | 04800         | 01-27-78       |                  |                  |                      |                  |

REMARKS: AB HAS LEAD; QUESTIONS FROM LOIS 5/6/80 TRANSMITTED 5/8/80. REC'D RESP TO QUES 8/15/80

RI SYM: WCAP-09232 (P), WCAP-9233 (NP)

TITLE: HIGH PRESSURE WATER HAMMER TEST PROGRAM FOR THE SPLIT FLOW PREHEAT STEAM GENERATOR

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L KINTNER | CMEB             | BENAROYA | VXB         | 04839         | 02-27-78       |                  |                  |                      | 01-02-80         |

REMARKS: ASB HAS LEAD; REC'D ADDL INFO DATED 3/30/78, 6/20/78, 9/28/78; REVIEW CONTRACTED TO BROOKHAVEN NAT'L LAB.

RI SYM: WCAP-09236 (P), WCAP-9237 (NP)

TITLE: NOTRUMP - A NODAL TRANSIENT STEAM GENERATOR AND GENERAL NETWORK CODE

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | KINTNER   | SSPB             | MORAN    | DKM         | 04842         | 02-15-78       |                  |                  |                      |                  |

REMARKS:

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RI SYM: WCAP-09272 (P), WCAP-9273 (NP)

TITLE: RELOAD SAFETY EVALUATION METHODOLOGY

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER       | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| ORB1       | SCHWENCER | CPB<br>SSPB      | LOBEL<br>MORAN | RML<br>DKM  | 07456         | 03-22-78       |                  |                  |                      | 05-16-80         |

REMARKS: ADDITIONAL INFO REC'D ON 1/17/79, 4/5/79.

RI SYM: WCAP-09279 (NP)

TITLE: COMBINATION OF SAFE SHUTDOWN EARTHQUAKE & LOSS-OF-COOLANT ACCIDENT RESPONSE FOR FAULTED CONDITION EVALUATION.

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | L KINTNER | SSPB             | MORAN    | DKM         | 04857         | 03-21-78       |                  |                  |                      |                  |

REMARKS: MEB HAS LEAD; REVIEW DEFERRED UNTIL COMPLETION OF GENERIC REVIEW BY DSSR (RESEARCH).

RI SYM: WCAP-09280 (P), WCAP-9281 (NP)

TITLE: WESTINGHOUSE ECCS MODEL FOR ANALYZING SMALL LOCAS DURING OPER. W/LOOP OUT OF SERV. FOR PLANTS WITHOUT LOOP ISOL. VALVES

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | KINTNER   | SSPB             | MORAN    | DKM         | 04879         | 03-10-78       |                  |                  |                      |                  |

REMARKS: WITHHOLDING APPROVED 8/13/79

RI SYM: WCAP-09283 (NP)

TITLE: INTEGRITY OF THE PRIMARY PIPING SYSTEMS OF WESTINGHOUSE NUCLEAR PLANTS DURING POSTULATED SEISMIC EVENTS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | KINTNER   | SSPB             | MORAN    | DKM         | 04883         | 03-21-78       |                  |                  |                      |                  |

REMARKS: MTEB HAS LEAD.

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RI SYM: WCAP-09289 (NP)

TITLE: INTEGRATED VESSEL HEAD PACKAGE FOR ONE-LIFT OPERATION

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER      | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|---------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | KINTNER   | ASB<br>SSPB      | PARR<br>MORAN | ODP<br>DKM  | 04877         | 03-16-78       |                  |                  |                      | 07-17-81         |

REMARKS:

RI SYM: WCAP-09292 (NP)

TITLE: DYNAMIC FRACTURE TOUGHNESS OF ASME SA508 CLASS 2A ASME SA533 GRADE A CLASS 2 BASE & HEAT AFFECTED ZONE AND WELD METAL

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | KINTNER   | SSPB             | MORAN    | DKM         | 04882         | 03-17-78       |                  |                  | 07-25-79             |                  |

REMARKS: MTEB HAS LEAD; REC'D RESPONSE 9/18/80 TO NRC 7/25/79 REQ FOR INFO.

RI SYM: WCAP-09398 (NP)

TITLE: WESTINGHOUSE STEAM GENERATOR RETUBIND & REFURBISHMENT - TOPICAL REPORT

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| ORB1       | NEIGHBORS | SSPB             | MORAN    | DKM         | 11430         |                |                  |                  |                      |                  |

REMARKS:

RI SYM: WCAP-09401 (P), WCAP-9402 (NP) SUBMIT DATE: 03-02-81 CONCLUSION: ACCEPTED LETTER TO IND ORG: 05-07-81  
TAC #: 05176  
TITLE: SUPPL - ACCEPTANCE #2 FOR MIXED CORES DATED 1/24/83 L ASSEMBLY

REMARKS: SUPPL ACCEPT #1 FOR MIXED CORES DATED 11/12/82

RI SYM: WCAP-09404 (P), WCAP-9405 (NP) SUBMIT DATE: 07-11-79 CONCLUSION: WITHDRAWN LETTER TO IND ORG: 07-11-79  
TAC #: 05229  
TITLE: STUDY OF REACTOR VESSEL UPPER HEAD REGION FLUID TEMPERATURE

REMARKS: NOT FOR ACCEPTANCE FOR REFERENCING. SUBMITTED FOR INFORMATION IN RESPONSE TO NRC QUESTIONS



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RI SYM: WCAP-09485 (P), WCAP-9486 (NP)      SUBMIT DATE: 04-06-79      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 09-12-79  
TAC #: 05189  
TITLE: PALADON WESTINGHOUSE NODAL COMPUTER CODE

REMARKS: FEE PAID 2/5/80; APPROVED REPTS RECD 12/3/79; NOT QUALIFIED FOR POWER DISTRIBUTION NOR XENON TRANSIENTS

RI SYM: WCAP-09485 (P), WCAP-9486 (NP)  
TITLE: TR<sup>m</sup> PALADON- WESTINGHOUSE NODAL COMPUTER CODE<sup>m</sup> SUPPLEMENT 1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | CPB<br>SSPB      | BROOKS<br>MORAN | WXB<br>DKM  | 47441         | 12-01-81       |                  |                  |                      | 12-02-82         |

REMARKS:

RI SYM: WCAP-09500-A (NP)  
TITLE: TR "ACCEPTED WCAP 9500A - REFERENCE CORE REPORT" 17X17 OPTIMIZED FUEL ASSEMBLY"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 47895         | 02-01-82       |                  |                  |                      |                  |

REMARKS: ASSISS USABILITY OF ACCEPTED VERSION CHANGE PAGES FOR ACCEPTED VERSION REJECTED

RI SYM: WCAP-09500A (NP)      SUBMIT DATE: 07-30-79      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 05-22-81  
TAC #: 05254  
TITLE: WCAP-9500REFERENCE CORE REPORT 17 X 17 OPTIMIZED FUEL ASSEMBLY

REMARKS: ACCEPTED VERSION DATED 5/82

RI SYM: WCAP-09528 (P), WCAP-9529 (NP)  
TITLE: ECCS EVALUATION MODEL FOR WESTINGHOUSE FUEL RELOADS OF COMBUSTION ENGINEERING NSSS, JUNE 79 VERSION

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | BERGGREN  | RSB<br>SSPB      | LAUBEN<br>MORAN | NGL<br>DKM  | 05209         | 08-15-80       |                  |                  | 07-28-80             | 10-15-82         |

REMARKS: REC'D RESPONSE TO 7/28/80 QUESTIONS ON 8/15/80

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RI SYM: WCAP-09561(P) (P), WCAP-9561(NP) (NP) SUBMIT DATE: 01-15-80 CONCLUSION: ACCEPTED LETTER TO IND ORG: 12-21-83  
TAC #: 05425  
TITLE: WCAP 9561, "BART A-1: A COMPUTER CODE FOR BEST ESTIMATE ANALYSIS OF REFLOOD TRANSIENTS

REMARKS: RECD RESPONSE TO REQ FOR ADDL INFO 8/15/80; RECD PARTIAL RESPONSE TO RFAI #1; RFAI #2; REC'D 5/17 SUBMITTAL

RI SYM: WCAP-09725 (P), WCAP-9726 (NP)

TITLE: TR-WESTINGHOUSE TECHNICAL SUPPORT COMPLEX

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 42328         | 06-13-80       |                  |                  |                      |                  |

REMARKS: REVIEW, COMMENT, QUESTION & PREPARE SPER

RI SYM: WCAP-09735(P) (P), WCAP-9736(NP) (NP)

TITLE: TR "MULTIFLEX 3.0 FORTRAN-IV COMPTR PROG ANALYZING THERMAL -HYDRAULIC-STRUCTURAL SYS DYNAMICS(III) ADV DEAM MOD REV1

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB             | MORAN    | DKM         | 48759         | 08-19-82       |                  |                  |                      |                  |

REMARKS: REVIEW, COMMENT, & PREPARE SER

RI SYM: WCAP-09739 (P), WCAP-9740 (NP)

TITLE: TR "SUMMARY OF THE WESTINGHOUSE INTEGRATED PROTECTION SYSTEM VERIFICATION & VALIDATION PROGRAM."

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 43854         | 09-16-80       |                  |                  |                      |                  |

REMARKS: REVIEW, COMMENT & PREPARE SER



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RI SYM: WCAP-09753 (P), WCAP-9754 (NP)

TITLE: INADEQUATE CORE COOLING STUDIES OF SCENARIOS WITH FEEDWATER AVAILABLE USING THE NOTRUMP COMPUTER CODE

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB      | MORAN<br>PHILLIPS | DKM<br>LEP  | 42296         | 07-11-80       |                  |                  |                      |                  |

REMARKS: REVIEW, COMMENT & PREPARE SPER WCAP 9744 SUPPORTS THIS REVIEW

RI SYM: WCAP-09762 (P), WCAP-9763 (NP)

TITLE: INADEQUATE CORE COOLING STUDIES OF SCENARIOS WITH FEEDWTR AVAILABLE FOR UHI PLANTS USING NOTRUMP CODES

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 43329         | 11-17-80       |                  |                  |                      |                  |

REMARKS: REQUIRED BY TASK ACTION PLAN I.C 1 REVIEW, COMMENT, AND PREPARE SER

RI SYM: WCAP-09863 (P), WCAP-9864 (NP)

TITLE: TR "ROD BANK WORTH MEASUREMENTS UTILIZING BANK EXCHANGE" PART 2 (PARTS 1&3 TO COME LATER)

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 43488         | 01-20-81       | 09-30-81         |                  | 11-09-82             | 05-23-83         |

REMARKS: RFAI #1 FORMAL REPORTS SUBMITTED 7/18/82

RI SYM: WCAP-09944 (P), WCAP-9945 (NP)

TITLE: VERIFICATION OF UPPER HEAD INJECTION REACTOR VESSEL BY PREOPERATIONAL TESTS ON SEQUOYAH 1 POWER PLANT

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 47341         | 10-26-81       |                  |                  |                      |                  |

REMARKS: REVIEW, COMMENT & PREPARE SER

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RI SYM: WCAP-10005(NP) (NP)

TITLE: TR "BISON-A ONE DIMENSIONAL DYNAMIC ANALYSIS CODE FOR BOILING WATER REACTORS"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 47497         | 12-17-81       |                  |                  |                      |                  |

REMARKS: REVIEW COMMENT & PREPARE SER

RI SYM: WCAP-10054(P) (P), (NP)

TITLE: TR "WESTINGHOUSE SMALL BREAK ECCS EVALUATION MODEL USING NOTRUMP CODE"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>RSB      | MORAN<br>GUTTMANN | DKM<br>JZG  | 49326         | 09-26-83       |                  |                  | 08-19-83             |                  |

REMARKS:

RI SYM: WCAP-10079(P) (P), (NP)

TITLE: NO TRUMP NODAL TRANSIENT SMALL BREAK AND GENERAL NETWORK CODE

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>RSB      | MORAN<br>GUTTMANN | DKM<br>JZG  | 49129         | 10-10-83       |                  |                  | 08-16-83             |                  |

REMARKS: RFAI #1 ISSUED ON DRAFT REPORT IN CONJUNCTION WITH WCAP 10054

RI SYM: WCAP-10106 (NP)

TITLE: A DESCRIPTION OF THE NUCLEAR DESIGN & ANALYSIS PROGRAMS FOR BOILING WATER REACTORS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER      | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|---------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB<br>CPB      | MORAN<br>KOPP | DKM<br>LIK  | 48566         | 06-23-82       |                  |                  | 10-21-83             |                  |

REMARKS: REVIEW COMMENT & PREPARE SER

TOPICAL REPORT STATUS

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PAGE: 4-177

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| INDUSTRY ORGANIZATION: WESTINGHOUSE |  
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RI SYM: WCAP-10107 (P), WCAP-10108 (NP)

TITLE: WCAP-10107 REV.1 "CONDOR-A THERMAL HYDRAULIC PERFORMANCE CODE FOR BOILING WATER REACTORS"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER     | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|--------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB<br>CPB      | MORAN<br>SUN | DKM<br>SES  | 48567         | 12-14-83       |                  |                  | 10-15-83             |                  |

REMARKS: REVIEW COMMENT & PREPARE SER

RI SYM: WCAP-10125 (P), (NP)

TITLE: TR "EXTENDED BURNUP EVALUATION OF WESTINGHOUSE FUEL"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH          | REVIEWER                                | REV<br>INIT              | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE     |
|------------|-----------|---------------------------|---|--------------------------|---------------|----------------|------------------|------------------|----------------------|----------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB<br>RSB<br>CPB | MORAN<br>TOKAR<br>MITCHELL<br>DUNENFELD | DKM<br>MXT<br>JNM<br>MSD | 48689         | 07-28-82       |                  |                  | 03-31-83             | 02-01-84<br>02-01-84 |

REMARKS: REVIEW, COMMENT & PREPARE SER

RI SYM: WCAP-10216-P (P), WCAP-10217-NP (NP) SUBMIT DATE: 08-31-82 CONCLUSION: ACCEPTED LETTER TO IND ORG: 02-28-83  
TAC #: 48818  
TITLE: TR "THE FQ SURVEILLANCE TECHNICAL SPECIFICATION" PART B OF NS-EPR-2649

REMARKS: REVIEW COMMENT & PREPARE SER IN SUPPORT OF SEQUOYAH

RI SYM: WCAP-10216PA (P), WCAP-10217NPA (NP)

TITLE: TR "RELAXATION OF CONSTANT AXIAL OFFSET CONTROL" PART A OF NS-EPR-2649

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER        | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB<br>CPB      | MORAN<br>BROOKS | DKM<br>WXB  | 48817         | 08-31-82       |                  |                  |                      | 11-17-82         |

REMARKS: REVIEW COMMENT & PREPARE SER IN SUPPORT OF SEQUOYAH

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AS OF 11/05/84  
PAGE: 4-178

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| INDUSTRY ORGANIZATION: WESTINGHOUSE |  
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RI SYM: WCAP-10263 (NP)

TITLE: TOPICAL REPORT: "A REVIEW PLAN FOR UPDATING THE LICENSED POWER OF PRESSURIZED WATER REACTOR PLANT"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH   | REVIEWER                   | REV<br>INIT       | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|--------------------|----------------------------|-------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB<br>RSB<br>CPB | MORAN<br>JONES<br>RICHINGS | DKM<br>RHJ<br>HJR | 52357         | 02-11-83       |                  |                  |                      | 10-02-84         |

REMARKS:

RI SYM: WCAP-10266(P) (P), WCAP-10337(NP) (NP)

TITLE: BASH: AN INTEGRATED CORE AND RCS REFLOOD CODE FOR ANALYSIS OF PWR LOSS-OF-COOLANT ACCIDENTS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-------------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB<br>RSB      | MORAN<br>LANGFORD | DKM<br>DEL  | 52029         | 06-20-83       |                  |                  |                      |                  |

REMARKS:

RI SYM: WCAP-10297 (P), WCAP-10298 (NP)

TITLE: DROPPED ROD METHODOLOGY FOR NEGATIVE FLUX RATE TRIP PLANTS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
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| SSPB       | BERGGREN  | SSPB<br>CPB      | MORAN<br>RICHINGS | DKM<br>HJR  | 48040         | 01-20-82       |                  |                  |                      | 03-02-83         |

REMARKS: REVIEW COMMENT & PREPARE SER - FORMERLY NS-EPR - 2545

TOPICAL REPORT STATUS

INDUSTRY ORGANIZATION: WESTINGHOUSE

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RI SYM: WCAP-10444(P) (P), (NP)

TITLE: WESTINGHOUSE TOPICAL REPORT "REFERENCE CORE REPORT VANTAGE 5 FUEL ASSEMBLY"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER          | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
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| SSPB       | MORAN     | SSPB<br>CPB      | MORAN<br>RICHINGS | DKM<br>HJR  | 55082         | 12-30-83       |                  |                  |                      |                  |

REMARKS:

RI SYM: WCAP-7908 (P), WCAP-07908 (NP)

TITLE: WCAP-7908, FACTRAN-CODE FOR THERMAL TRANSIENTS IN U02 ROD FUEL ROD

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| LWR1       | J. CURRY  | SSPB             | MORAN    | DKM         | 00234         | 11-29-83       |                  | 09-30-81         |                      |                  |

REMARKS: ADDITIONAL INFORMATION RECEIVED ON 10/28/75, 7/20/78, 1/12/79.

RI SYM: WCAP-8356A (P), (NP)

TITLE: "CALCULATIONS OF CONTAINMENT TEMPERATURE/PRESSURE RESPONSE FOLLOWING STEAM LINE RUPTURE WITH SUPPER HEATED SYSTEM"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH                 | REVIEWER   | REV<br>INIT                     | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|----------------------------------|--|---------------------------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | CSB<br>CSB<br>SSPB<br>CSB<br>CSB | PULSIPHER<br>SHAPAKER<br>MORAN<br>PALLA<br>TINKLER | JAP<br>JXS<br>DKM<br>REP<br>CGT | 55319         | 06-14-84       | 08-00-84         |                  |                      |                  |

REMARKS:

RI SYM: WCAP-8720 (P), WCAP-8785 (NP)      SUBMIT DATE: 11-04-83      CONCLUSION: ACCEPTED      LETTER TO IND ORG: 02-09-79  
TAC #: 04341  
TITLE: ADDENDUM 3, RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

REMARKS: REC'D ADDM 1, 10/22/79; APPRVD SOME CHGS 3/27/80; ADDENDUM #1 ACCPETED 7/20/82

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INDUSTRY ORGANIZATION: WESTINGHOUSE

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RI SYM: WCAP09500AS (NP) SUBMIT DATE: 09-11-81 CONCLUSION: ACCEPTED LETTER TO IND ORG: 11-12-82  
TAC #: 47907  
TITLE: SUPPL - ACCEPTANCE #2 FOR MIXED CORES DATED 1/24/83 FUEL ASSEMBLY SUPPL 1"  
REMARKS: SUPPL ACCEPT #1 FOR MIXED CORES DAED 11/12/82

RI SYM: WCAP10021(P) (P), (NP)

TITLE: TR "WESTINGHOUSE WET ANNULAR BURNABLE ABSORBER EVALUATION REPORT, REV 1"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER  | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|-----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB             | MORAN     | DKM         | 49053         | 10-18-82       | 01-15-83         |                  | 02-01-83             |                  |
|            |           | CPB              | TOKAR     | MXT         |               |                |                  |                  |                      | 06-01-83         |
|            |           | CPB              | DUNENFELD | MSD         |               |                |                  |                  |                      | 06-01-83         |
|            |           | CPB              | HUANG     | TLH         |               |                |                  |                  |                      | 01-20-84         |

REMARKS: REVIEW COMMENT PREPARE SER IN SUPPORT OF DC COOK UNTIL CYCLE 8

RI SYM: WCAP10107 (NP)

TITLE: TR " EMERGENCY RESPONSE FACILITY DESIGN PROCESS

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB             | MORAN    | DKM         | 49278         | 12-01-82       |                  |                  |                      |                  |

REMARKS:

RI SYM: WCAP10484 (P), WCAP10485 (NP)

TITLE: "SPACER GRID HEAT TRANSFER EFFECTS DURING REFLOOD"

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | MORAN     | SSPB             | MORAN    | DKM         | 54822         | 08-12-83       |                  |                  |                      |                  |
|            |           | CPB              | SUN      | SES         |               |                |                  |                  |                      |                  |

REMARKS: "SPACER GRID HEAT TRANSFER EFFECTS DURING REFLOOD"



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| INDUSTRY ORGANIZATION: WESTINGHOUSE STEAM TURBINE-GENERATO |  
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RI SYM: WSTG-1 (P), WSTG-1 (NP)

TITLE: TR PROCEDURES FOR EST THE PROB OF STEAM TURB DISC RUPT FRM STRESS CORR CRACKING

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER   | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|------------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | PS               | UNGARO     | AXU         | 46502         | 06-10-81       |                  |                  |                      |                  |
|            |           | MTEB             | BHATT      | SJB         |               |                |                  |                  |                      |                  |
|            |           | SSPB             | MORAN      | DKM         |               |                |                  |                  |                      |                  |
|            |           | MTEB             | SCHIFFGENS | JPS         |               |                |                  |                  |                      |                  |
|            |           | PS               | TOMLINSON  | EET         |               |                |                  |                  |                      |                  |

REMARKS: RECD CT-24076 LTR DTD 8/27/82

RI SYM: WSTG-2 (P), WSTG-2 (NP)

TITLE: TR MISSILE ENERGY ANALYSIS METHODS FOR NUCLEAR STEAM TURBINES

| REQ<br>ORG | REQUESTER | REVIEW<br>BRANCH | REVIEWER | REV<br>INIT | TAC<br>NUMBER | SUBMIT<br>DATE | REQ TARG<br>DATE | EST COMP<br>DATE | ADD INFO<br>REQ DATE | REV COMP<br>DATE |
|------------|-----------|------------------|----------|-------------|---------------|----------------|------------------|------------------|----------------------|------------------|
| SSPB       | BERGGREN  | SSPB             | MORAN    | DKM         | 46501         | 06-10-81       |                  |                  |                      |                  |

REMARKS: REVIEW COMMENT & PREPARE SER



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| INDUSTRY ORGANIZATION: YANKEE ATOMIC ELEC. CO. |  
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RI SYM: YQAP-1 (NP)    SUBMIT DATE: 03-11-83      CONCLUSION: ACCEPTED    LETTER TO IND ORG: 05-24-82  
TAC #: 09025  
TITLE: YANKEE ATOMIC ELECTRIC CO -- OPERATION QUALITY ASSURANCE PROGRAM - REV 12

REMARKS:  
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BIBLIOGRAPHIC DATA SHEET

NUREG-0390, Vol. 7, No. 2

3 TITLE AND SUBTITLE

Topical Report Review Status

4 RECIPIENT'S ACCESSION NUMBER

5 DATE REPORT COMPLETED

MONTH YEAR  
October 1984

7 DATE REPORT ISSUED

MONTH YEAR  
November 1984

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Washington, DC 20555

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12a TYPE OF REPORT

12: PERIOD COVERED (Inclusive dates)

July 15, 1983-October 15, 1984

13 SUPPLEMENTARY NOTES

14 ABSTRACT (200 words or less)

The primary purpose of this document is to provide periodic progress reports of on-going topical report reviews, to identify those topical reports for which the Nuclear Regulatory Commission (NRC) staff review has been completed, and to the extent practicable, to provide NRC management with sufficient information regarding the conduct of the topical report program to permit taking whatever actions deemed necessary or appropriate.

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