

August 24, 1992

Note to: Document Control Desk

From: Peter Tam, Watts Bar Project Manager

*Peter S. Tam*

Re: Public Availability of TI 2512/016 through 043

The attached documents, TI 2512/016 through 043, are not currently in the local PDR (at Chattanooga). They may not even be in Central Files. Please file them appropriately, showing them as PDR-available.

By copy of this note, PDR personnel are provided with a copy of the documents for placement in NRC and local (Chattanooga) PDRs.

cc. F. Hebdon

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A PDR

*Memo of*

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

## INSPECTION MANUAL

PTSB

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TEMPORARY INSTRUCTION 2512/016

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
CABLE ISSUES CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY: SCELEC

2512/016-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Cable Issues Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

2512/016-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/016-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/016-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/016-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/016-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/016-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/016-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/016.

2512/016-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 100 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/017

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
CABLE TRAY AND SUPPORTS CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY: SCETS-C

2512/017-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Cable Tray and Supports Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

2512/017-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/017-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/017-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/017-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/017-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/017-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/017-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/017.

2512/017-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 250 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/018

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
ELECTRICAL CONDUIT AND SUPPORTS CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY: SCETS-C

## 2512/018-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Electrical Conduit and Supports Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

## 2512/018-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/018-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/018-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/018-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/018-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/018-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/018-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/018.

2512/018-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 250 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/019

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
DESIGN BASELINE CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY: SCETS-C

2512/019-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Design Baseline (DBVP) Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

2512/019-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.



2512/019-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/019-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/019-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/019-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/019-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/019-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/019.

2512/019-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 500 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/020

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
ELECTRICAL ISSUES CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY: SCELEC

2512/020-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Electrical Issues Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

2512/020-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/020-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/020-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/020-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/020-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/020-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/020-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/020.

2512/020-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 250 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/021

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
EQUIPMENT SEISMIC CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY: SCETS-C

## 2512/021-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Equipment Seismic Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

## 2512/021-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/021-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/021-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/021-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/021-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/021-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/021-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/021.

2512/021-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 250 hours.

END



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# NRC INSPECTION MANUAL

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## TEMPORARY INSTRUCTION 2512/022

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### INSPECTION OF WATTS BAR NUCLEAR PLANT FIRE PROTECTION CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY:        SCAUX

#### 2512/022-01    OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Fire Protection Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

#### 2512/022-02    BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/022-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/022-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/022-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/022-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/022-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/022-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/022.

2512/022-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 50 hours.

END



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## NRC INSPECTION MANUAL

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### TEMPORARY INSTRUCTION 2512/023

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#### INSPECTION OF WATTS BAR NUCLEAR PLANT HANGER UPDATE CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY: SCPIPE

#### 2512/023-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Hanger Update (HAAUP) Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

#### 2512/023-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.



2512/023-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/023-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/023-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/023-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/023-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/023-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/023.

2512/023-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 350 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/024

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
HEAT CODE TRACEABILITY CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY: SCPIPE

2512/024-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Heat Code Traceability Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

2512/024-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/024-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/024-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/024-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/024-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/024-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/024-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/024.

2512/024-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 40 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/025

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
HVAC DUCT AND SUPPORTS CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY: SCAUX

2512/025-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's HVAC Duct and Supports Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

2512/025-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/025-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/025-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/025-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/025-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/025-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/025-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/025.

2512/025-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 250 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/026

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
INSTRUMENT LINES CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY: SCINST

2512/026-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Instrument Lines Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

2512/026-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/026-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/026-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/026-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/026-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/026-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/026-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/026.

2512/026-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 250 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/027

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
PIECE PARTS/PROCUREMENT CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY: SCETS-C

2512/027-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Piece Parts/Procurement Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

2512/027-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.



2512/027-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/027-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/027-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/027-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/027-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/027-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/027.

2512/027-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 600 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/028

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## INSPECTION OF WATTS BAR NUCLEAR PLANT QA RECORDS CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY: SCSAQV-C

### 2512/028-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's QA Records Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

### 2512/028-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/028-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/028-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/028-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/028-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/028-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/028-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/028.

2512/028-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 600 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/029

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
Q-LIST CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY: SCETS-C

2512/029-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Q-List Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

2512/029-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/029-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/029-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/029-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/029-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/029-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/029-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/029.

2512/029-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 100 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/030

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
SEISMIC ANALYSIS CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY: SCETS-C

## 2512/030-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Seismic Analysis Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

## 2512/030-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/030-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/030-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/030-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/030-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/030-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/030-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/030.

2512/030-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 40 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/031

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
VENDOR INFORMATION CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY:       SCSAQV-C

2512/031-01    OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Vendor Information Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

2512/031-02    BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.



2512/031-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/031-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/031-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/031-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/031-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/031-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/031.

2512/031-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 400 hours.

END



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# NRC INSPECTION MANUAL

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## TEMPORARY INSTRUCTION 2512/032

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### INSPECTION OF WATTS BAR NUCLEAR PLANT WELDING CORRECTIVE ACTION PROGRAM PLAN

SALP CATEGORY:        SCPIPE

#### 2512/032-01    OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Welding Corrective Action Program (CAP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

#### 2512/032-02    BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/032-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/032-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/032-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/032-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/032-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/032-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/032.

2512/32-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 100 hours.

END



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TEMPORARY INSTRUCTION 2512/033

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
CONCRETE QUALITY SPECIAL PROGRAM

SALP CATEGORY:        SCCONT

2512/033-01    OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Concrete Quality Special Program (SP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

2512/033-02    BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/033-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/033-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/033-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/033-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/033-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/033-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/033.

2512/033-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 40 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/034

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## INSPECTION OF WATTS BAR NUCLEAR PLANT CONTAINMENT COOLING SPECIAL PROGRAM

SALP CATEGORY: SCETS-C

### 2512/034-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Containment Cooling Special Program (SP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

### 2512/034-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/034-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/034-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/034-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/034-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/034-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/034-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/034.

2512/034-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 60 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/035

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
CONTROL ROOM DESIGN REVIEW SPECIAL PROGRAM

SALP CATEGORY: SCETS-C

2512/035-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Control Room Design Review (CRDR) Special Program (SP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

2512/035-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.



2512/035-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/035-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/035-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/035-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/035-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/035-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/035.

2512/035-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 20 hours.

END



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## NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/036

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### INSPECTION OF WATTS BAR NUCLEAR PLANT ENVIRONMENTAL QUALIFICATION SPECIAL PROGRAM

SALP CATEGORY: SCELEC

#### 2512/036-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Environmental Qualification (EQ) Special Program (SP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

#### 2512/036-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/036-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/036-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/036-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/036-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/036-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/036-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/036.

2512/036-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 350 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/037

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## INSPECTION OF WATTS BAR NUCLEAR PLANT MASTER FUSE LIST SPECIAL PROGRAM

SALP CATEGORY: SCELEC

### 2512/37-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Master Fuse List Special Program (SP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

### 2512/037-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/037-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/037-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/037-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/037-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/037-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/037-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/037.

2512/037-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 100 hours.

END



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## NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/038

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### INSPECTION OF WATTS BAR NUCLEAR PLANT MECHANICAL EQUIPMENT QUALIFICATION SPECIAL PROGRAM

SALP CATEGORY: SCMECH

#### 2512/038-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Mechanical Equipment Qualification Special Program (SP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

#### 2512/038-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/038-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/038-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/038-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/038-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/038-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/038-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/038.

2512/038-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 200 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/039

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
MICROBE INDUCED CORROSION SPECIAL PROGRAM

SALP CATEGORY: SCPIPE

## 2512/039-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Microbe Induced Corrosion (MIC) Special Program (SP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

## 2512/039-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.



2512/039-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/039-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/039-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/039-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/039-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/039-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/039.

2512/039-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 150 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/040

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## INSPECTION OF WATTS BAR NUCLEAR PLANT MODERATE ENERGY LINE BREAK SPECIAL PROGRAM

SALP CATEGORY: SCETS-C

### 2512/040-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Moderate Energy Line Break (MELB) Special Program (SP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

### 2512/040-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/040-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/040-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/040-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/040-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/040-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/040-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/040.

2512/040-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 150 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/041

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
RADIATION MONITORING SYSTEM SPECIAL PROGRAM

SALP CATEGORY: SCAUX

2512/041-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Radiation Monitoring System Special Program (SP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

2512/041-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/041-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/041-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/041-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/041-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/041-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/041-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/041.

2512/041-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 100 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/042

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## INSPECTION OF WATTS BAR NUCLEAR PLANT SOIL LIQUEFACTION SPECIAL PROGRAM

SALP CATEGORY: SCSF

### 2512/042-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Soil Liquefaction Special Program (SP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

### 2512/042-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.

2512/042-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/042-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/042-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/042-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/042-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/042-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/042.

2512/042-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 20 hours.

END



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# NRC INSPECTION MANUAL

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TEMPORARY INSTRUCTION 2512/043

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INSPECTION OF WATTS BAR NUCLEAR PLANT  
USE-AS-IS CAQRS SPECIAL PROGRAM

SALP CATEGORY: SCETS-C

2512/043-01 OBJECTIVE

The objective of this inspection program is to gather sufficient information to make a determination as to whether TVA's Use-As-Is Condition Adverse to Quality Reports (CAQRs) Special Program (SP) plan has been satisfactorily implemented to ensure that the problems it addressed are being adequately resolved.

2512/043-02 BACKGROUND

On February 20, 1985, TVA certified that Watts Bar was ready for an operating license. On April 11, 1986, as a result of over 5000 employee concerns, TVA withdrew their certification that Watts Bar was ready for licensing.

The Watts Bar Task Force was established in 1986 to determine what corrective actions were needed in order to recertify that WBNP was ready for an operating license. The corrective actions grouped similar previously identified problems and identified them as special programs. Because of previous corrective action program problems, an independent Watts Bar Program Team was formed in 1987 to perform an integrated systematic evaluation of Watts Bar to look beyond known problems and perform an overall evaluation of plant design and construction in order to identify all of the corrective actions necessary to license Watts Bar. The Program Team developed the Watts Bar Program Plan which outlined the overall strategy for systematically evaluating Watts Bar.

The program plan included a vertical slice review of the component cooling water system and the electrical emergency auxiliary power system. The Program Team was responsible for developing the WBNP Nuclear Performance Plan which describes the actions taken or planned to identify, document, investigate, and correct problems at WBNP. The Program Team was also responsible for recommending 18 Corrective Action Program (CAP) plans and 11 Special Programs (SP), all of which were submitted to the NRC for review. In July 1989, TVA submitted the CAP Matrices which list the open conditions adverse to quality, employee concerns, etc., that would be resolved by each CAP. These CAP and SP plans have been reviewed by the NRC as documented in their respective Safety Evaluation Reports.



2512/043-03 INSPECTION REQUIREMENTS

03.01 Interim Inspections. Sample the corrective actions for each of the CAP or SP issues to determine whether the program implementation is adequate to resolve the described conditions. The inspection should include field verification of corrective actions for safety-related hardware.

The inspection activity should include verification of proper program implementation at interim points as determined by Region II management.

03.02 Final Inspection. Perform a final inspection after TVA certifies that the CAP or SP is complete.

2512/043-04 REPORTING REQUIREMENTS

Inspection findings will be documented in a routine inspection report.

2512/043-05 COMPLETION SCHEDULE

The inspection requirements defined by this TI should be completed by October 1, 1994.

2512/043-06 EXPIRATION

This TI will expire on December 30, 1994.

2512/043-07 CONTACT

Questions regarding the technical aspects of this TI should be addressed to K. Barr, Region II, FTS 404-841-0342.

2512/043-08 STATISTICAL DATA REPORTING

For RITS, time spent on direct inspection effort for this TI should be recorded against code 2512/043.

2512/043-09 ORIGINATING ORGANIZATION INFORMATION

09.01 Organization/Responsibility. Region II initiated this TI.

09.02 Resource Estimate. The estimated direct inspection effort, for planning purposes only, is 150 hours.

END