

EMPLOYEE CONCERN TASK GROUP  
RESTART IMPLEMENTATION PLAN  
SEQUOYAH NUCLEAR PLANT

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Approved

8/28/86  
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8/28/86  
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EMPLOYEE CONCERN TASK GROUP  
RESTART IMPLEMENTATION PLAN  
SEQUOYAH NUCLEAR PLANT

1.0 PURPOSE

The purpose of this plan is to describe the implementation of the TVA Employee Concern Special Program for those employee concerns requiring resolution before restart of the Sequoyah Nuclear Plant (SQN), Unit 2.

2.0 SCOPE

This plan has been prepared in accordance with paragraph 9.0 of reference 3.1 and provides for identification and evaluation of those concerns that potentially could affect the restart of SQN. Employee concerns that are within the scope of this plan are listed in attachment 4.1 and are those which are potentially safety-related and are:

- 2.1.1 Those concerns which specifically name SQN.
- 2.1.2 Those concerns initially determined by the Employee Concerns Task Group (ECTG) to be potentially generically applicable to SQN.
- 2.1.3 Those concerns that, during the evaluation process at WBN (see paragraph 5.1), are determined to be potentially generically applicable to SQN as well.

3.0 References

- 3.1 Employee Concerns Task Group (ECTG) Program Description (ECTG M.1)
- 3.2 Employee Concerns Special Program (ECSP) Writers Guide
- 3.3 TVA Nuclear Performance Plan

4.0 Attachments

- 4.1 List of employee concerns to be evaluated before SQN restart
- 4.2 List of element reports to be prepared for SQN restart with preparation schedule
- 4.3 Flow chart of SQN specific element report review and approved process
- 4.4 SQN restart employee concern evaluation - flow chart

## 5.0 Plan

This plan is designed to assure that employee concerns which have a potential effect on the restart of SQN:

- ° Are identified, evaluated, and have documented evaluation results.
- ° Have any required corrective action planned, approved, and documented.
- ° Have those corrective actions which are required for startup identified, completed, and verified before restart.

### 5.1 Evaluation for Potential Restart Issues

For employee concerns other than those identified in paragraph 2.1.1 and 2.1.2 an evaluation shall be conducted to determine which ECTG elements contain employee concerns that could potentially have an impact on SQN. As a minimum, all elements containing potentially safety related employee concerns shall be evaluated sufficiently to demonstrate that they contain no technical issue which, if substantiated, would represent an adverse impact of the ability to startup and operate SQN safely. The results of this evaluation shall be documented (with justification for those elements determined to have no potential impact on SQN startup). The report of this this evaluation shall be approved by the ECTG Manager and the SQN Site Director.

### 5.2 Evaluation of Employee Concerns Which Potentially Affect Restart

The evaluation of employee concerns for SQN restart shall be conducted in accordance with the ECTG Program Manual and procedures. Specific steps in this evaluation shall be as follows:

- 5.2.1 Assign concerns to subcategories and elements (a list of element reports to be prepared for SQN restart with the schedule for their proposals is included as Attachment 4.2 to this plan).
- 5.2.2 Identify issues within each element.
- 5.2.3 Identify elements containing potential restart issues in accordance with the SQN restart criteria as contained in the SQN Nuclear Performance Plan (Volume 2 of Reference 3.3).
- 5.2.4 Review the results of previous evaluations by other than the ECTG which are related to elements containing restart issues to determine if each issue is sufficiently addressed. If the issue has been sufficiently addressed by other evaluations, prepare ECTG documentation to the extent necessary to demonstrate ECTG verification and confirmation of the

adequacy of the previous evaluation and subsequent corrective action. Evaluations which may fulfill the requirement of the SQN Restart Plan include those performed by QTC, the NSRS, the Generic Concern Task Group, etc.

- 5.2.5 Where previous evaluations have not been conducted or where existing documentation does not sufficiently address all restart issues, evaluation methodology shall be developed and implemented. Evaluations shall be conducted in accordance with applicable ECTG Procedures.
- 5.2.6 Based upon the verification of previous evaluations and evaluations conducted by the ECTG, findings and conclusions will be reached regarding the validity of the employee concerns and areas requiring corrective action. Element reports specific to SQN shall be prepared and processed in accordance with reference 3.2 with additional information as detailed below and paragraph 5.3. The reports shall be provided to the SQN Site Director (attachment 4.3 is a flow chart showing the review and approved process for SQN specific element reports) and as a minimum, shall contain the following:
  - ° List of concerns
  - ° Characterization of issues
  - ° Evaluation methodology
  - ° Findings related to the restart issues
- 5.3 The SQN specific element reports shall contain sufficient information and references to facilitate a independent review and assessment. Root cause determinations shall be made where applicable and included in findings requiring corrective action.
- 5.4 The SQN site director shall review the reports and prepare corrective action plans for findings contained in the reports in accordance with ECTG Procedure C.3. The SQN Site Director is responsible for determining which corrective actions must be implemented before restart. This determination is to be made using the "Criteria for Determination of Restart Items" provided in Volume 2 of reference 3.3. Corrective action identified by the Site Director as required before restart of either unit will be initiated after corrective action is approved by SQN Line Management. Resolution of ECTG comments may require revision of the corrective action plan which could result in changes to the work that is being done.
- 5.5 The ECTG will review and provide concurrence with the planned corrective actions (including the disposition for specific findings and corrective actions for root causes where appropriate). The ECTG



will review the Corrective Action Plan for acceptability in correcting and precluding recurrence of the identified problem. ECTG will process the approval of the Corrective Action Plan in accordance with ECTG Procedure C.3 "Corrective Actions"

- 5.6 In addition to the reviews, concurrences, and approvals required by reference 3.1, and ECTG Procedure C.2, "Analysis and Reporting of Evaluation Results," SQN site specific element reports shall be reviewed (for concurrence) by the Senior Review Panel (SRP) when initially issued to the SQN Site Director and when any required corrective action is complete and accepted by the ECTG and the report is considered final. SRP review of SQN specific reports is to determine whether the reports adequately address the technical issues involved and whether the corrective actions are adequate to resolve any identified problems. Upon SRP concurrence with final reports, ECTG shall consider the employee concerns encompassed the report closed.
- 5.7 Verification of corrective action implementation shall be in accordance with the ECTG Program Manual, paragraph 8.0.

#### 6.0 Reports

- 6.1 In addition to the reporting requirements of reference 3.1 and ECTG Procedure 3.2, "Analysis and Reporting of Evaluation Results," SQN specific elements shall be provided to the NRC when initially concurred in by the SRP and when corrective action prepared by line management has been concurred in by the ECTG and the SRP has concurred with the final report.
- 6.2 The ECTG shall also prepare a summary report of those activities related to the evaluation and resolution of startup related concerns for SQN. This report shall summarize the SQN specific element and shall be prepared in a format similar to the final ECSP report described in reference 3.2. This report shall document ECTG completion of those issues determined to be required for SQN startup and will be utilized as input to the final ECSP report for TVA.

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR  
 EMPLOYEE CONCERN PROGRAM SYSTEM (ECPS)  
 LIST OF EMPLOYEE CONCERN INFORMATION

TIME - 18:51:29  
 RUN DATE - 08/18/86

CATEGORY: CO CONSTRUCTION-PROCESS

SUBCATEGORY: 00000

CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
EX -85-010-002 T50052	CO	00000	S WBN	Y Y Y Y	IN-85-130-001	NS	SUBJOURNEYMEN (NAMES GIVEN) ARE PERFORMING JOURNEYMAN'S WORK TO INCLUDE (RUNNING PIPE, REBUILDING VALVES, OPERATING & POWER EQUIPMENT). FOREMAN (NAME GIVEN) SAID THAT SUBJOURNEYMAN COULD DO ANYTHING THE FOREMAN FEELS HE/SHE IS QUALIFIED TO DO.
HDE-85-001	CO	00000	N SQN	Y Y Y Y			2-FSV-43-319 HAS PARKER TUBING REDUCERS WITH IMPERIAL EASTMAN NUTS. THIS IS AN AIR SAMPLE LINE.
IN -85-055-N04	CO	00000	N SQN	N N N N		NS	NRC IDENTIFIED THE FOLLOWING CONCERN FROM REVIEW OF QTC FILE. "EMERGENCY HAND VALVE INCORRECTLY INSTALLED."
IN -85-705-001 T50064	CO	00000	S WBN	Y Y Y Y	IN-85-130-001	NS	UNQUALIFIED PERSONNEL (SUBJOURNEYMEN) PERFORMING JOURNEYMAN'S WORK (TERMINATIONS) IN THE CONTROL ROOM, UNIT 1. CI HAS NO MORE DETAIL.
JAM-85-001	CO	00000	N SQN	Y Y Y Y		SS	COMPRESSION FITTINGS - EMPLOYEE FOUND 2 OUT OF 4 IMPERIAL EASTMAN FITTINGS INSTALLED IMPROPERLY (FERRULE INSTALLED BACKWARDS). WILL THIS AFFECT BOTH NUCLEAR AND/OR PERSONNEL SAFETY.
XX -85-010-N02	CO	00000	N WBN	Y Y Y Y		SS	NRC IDENTIFIED THE FOLLOWING CONCERN FROM THEIR REVIEW OF THE QTC FILES: CERT REPORT QUESTIONS WHETHER ALL INFORMATION ON 42% OF ANCHORS FAILING ORIGINAL ACCEPTANCE CRITERIA WAS KNOWN TO NRC IN TVA/NRC RESOLUTION OF BULLETIN 79-02 REQUIREMENTS AND WORK PLAN NO. S-1206, SECTION 2 ACCEPTANCE CRITERIA.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

INSTALLATION  
 PERSONNEL FEELINGS  
 QUALITY  
 EMPLOYEES

INSTALLATION  
 PERSONNEL FEELINGS  
 QUALITY  
 EMPLOYEES

6 CONCERNS FOR CATEGORY CO SUBCATEGORY 00000

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
 EMPLOYEE CONCERN PROGRAM SYSTEM (ECPS)  
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 SUBCATEGORY: 10100 SOILS

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CATEGORY: CO CONSTRUCTION-PROCESS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
JAN-86-002	CO	10100	N	SQN	N N N N			

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

OE EMPLOYEE EXPRESSED HIS CONCERN TH  
 AT EXCAVATION FOR DAW BUILDING FOUND  
 ATION REVEALING RED CLAY, VARIOUS SI  
 ZE ROCKS, ETC. THAT WAS USED AS A BA  
 CKFILL MATERIAL FOR THE STORAGE YARD  
 . IF BUILDING FOUNDATION IS CONSTRU  
 CTED WITHOUT REMOVING BACKFILLED MAT  
 ERIAL AN UNEVEN SETTLEMENT OF THE BU  
 ILDING COULD OCCUR.

1 CONCERNS FOR CATEGORY CO SUBCATEGORY 10100

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
 EMPLOYEE CONCERN PROGRAM SYSTEM (ECPS)  
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CATEGORY: CO CONSTRUCTION-PROCESS

SUBCATEGORY: 10300 PROTECTIVE COATINGS

CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-192-002 T50021	CO	10300	N WBN	Y Y Y Y		NS	NUMEROUS UNPAINTED WELDS ON CONDUIT AND PIPING SUPPORTS THROUGHOUT PLANT ARE RUSTED. POSSIBLE LACK OF PROTECTIVE COATING. EXAMPLE: REACTOR BLD G UNIT 1 AZ.170 DEGREES, EL 720'	WELDING CONST PROCESS HANGERS COATINGS
IN -85-273-001	CO	10300	N WBN	Y Y Y Y		SS	IN UNIT 1 REACTOR AND AUX BLDGS., WE LDS ON PIPE SUPPORTS, SPECIFICALLY PIPE SUPPORTS INSTALLED OVER 6 FEET OFF THE FLOOR, HAVE NOT BEEN PAINTED AFTER SUPPORTS WERE COMPLETED AND QC ACCEPTED. CI IS CONCERNED THAT RUST/CORROSION WILL OCCUR TO THESE UNPAINTED WELDS AND WEAKEN THE PIPE SUPPORTS THUS PREVENTING THESE PIPE SUPPORTS FROM PERFORMING INTENDED FUNCTIONS THEY WERE DESIGNED FOR. CI DID NOT SPECIFY ANY PARTICULAR AREAS IN REACTOR BUILDING BUT STATED THAT PIPE SUPPORTS FOR FIRE PROTECTION S	WELDING PROTECTIVE COATING WELDING WELDS
IN -85-451-001 T50034	CO	10300	N WBN	Y Y Y Y		NS	CI STATED IN 1984 THEY (PAINTERS) WERE INSTRUCTED NOT TO PAINT ANYTHING ABOVE 6 FT. IN RBI PRESENTLY THERE ARE RUSTY WELDS THROUGHOUT RBI	WELDING PROTECTIVE COATING WELDING WELDS
IN -85-833-001 T50084	CO	10300	N WBN	Y Y Y N		NS	TOP COAT OF PAINT WAS DELETED AS A REQUIREMENT ABOVE 6' (ABOVE FLOOR LEVEL) IN UNIT 1 REACTOR BUILDING. ITEM S/WALLS ARE PAINTED WITH PRIMER COAT ONLY ABOVE THIS ELEVATION. C/I IS CONCERNED THAT THIS COULD ADVERSELY AFFECT WASHDOWN/RADIOLOGICAL DECONTAMINATION OF AREAS.	DESIGN PROCESS CONST PROCESS CONSTRUCTION COATINGS
IN -86-273-001 T50186	CO	10300	S WBN	N N Y Y		NS	WBNP - UNIT 1 & 2: CONTAINMENT COATINGS (#295 & #305) ARE NOT PROPERLY DONE & MAINTAINED. THE INTEGRITY OF THE COATINGS IS BEING ERODED & QUESTIONABLE. CI IS CONCERNED THAT THE PAINT WILL CURL & POP-UP AND CLOG THE DRAINS IN CASE OF A (LOCA) ACCIDENT WHEN THE TEMPERATURE & PRESSURE BUILD UP IN THE REACTOR. PAINT SPECIFICATIONS & STANDARDS ARE NOT FOLLOWED, ESPECIALLY IN RECOATING OF #305. CONSTRUCTION DEPT. CONCERN. CI HAS NO FURTHER INFORMATION.	PROTECTIVE COATING PREVENTIVE MAINT CIVIL COATINGS

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
 EMPLOYEE CONCERN PROGRAM SYSTEM (ECPs)  
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CATEGORY: CO CONSTRUCTION-PROCESS

SUBCATEGORY: 10300 PROTECTIVE COATINGS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-087-001 T50186	CO	10300	S	SQN	Y Y N Y	I-85-812-SQN	NS	SEQUOYAH UNIT 1 & 2: CONTAINMENT PAINT COATINGS (#295 AND #305) ARE NOT PROPERLY MAINTAINED. THE INTEGRITY OF THE COATINGS IS BEING ERODED & QUESTIONABLE. CI IS CONCERNED THAT THE PAINT WILL CURL & POP-UP AND CLOG THE DRAINS IN CASE OF A (LOCA) ACCIDENT WHEN THE TEMPERATURE AND PRESSURE BUILDS UP IN THE REACTOR. PAINT SPECIFICATIONS AND STANDARDS ARE NOT FOLLOWED, ESPECIALLY IN RECOATING OF #305. NUC POWER CONCERN. CI HAS NO FURTHER INFORMATION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

PROTECTIVE COATING  
 PREVENTIVE MAINT  
 CIVIL  
 COATINGS

6 CONCERNS FOR CATEGORY CO SUBCATEGORY 10300

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
 EMPLOYEE CONCERN PROGRAM SYSTEM (ECPS)  
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 SUBCATEGORY: 10500 DETERIORATION OF PER FACILITIES

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CATEGORY: CO CONSTRUCTION-PROCESS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
00 -85-005-010 T50224	CO	10500	N	SQN	N N N N

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R  
 CONCERN  
 DESCRIPTION

NS SEQUOYAH: EXPOSED THREADS ON ALL-THR  
 EAD 3-4" DIAMETER CONDUIT ARE RUSTIN  
 G. THIS OCCURRED WHERE SHORT NIPPLE  
 S OF ALL-THREAD CONDUIT JOIN FITTING  
 S 12-30" BELOW CEILING PENETRATIONS,  
 ABOVE THE 710' ELEVATION, SOUTH PAR  
 T OF AUXILIARY BUILDING. CONDITION  
 EXISTED AT LEAST UNTIL 1977, AND MAY  
 STILL EXIST. CONST. DEPT. CONCERN.  
 CI HAS NO FURTHER INFORMATION. NO  
 FOLLOW UP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

PREVENTIVE MAINT  
 CONST PROCESS  
 ELECTRICAL  
 CONDUIT

1 CONCERNS FOR CATEGORY CO SUBCATEGORY 10500

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: CO CONSTRUCTION-PROCESS

SUBCATEGORY: 10700 INST. TUBING

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
IN -85-532-002 T50234	CO	10700	N	WBN	N N Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R CONCERN  
 DESCRIPTION

NS DRAIN LINES IN REACTOR ARE ROUTED TO  
 INCORRECT (NOT PER DESIGN) FLOOR DR  
 AINS. THE ORIGINAL DESIGN CALLED FO  
 R A "CLOSED" SYSTEM BY SEAL WELDING  
 A PLATE OVER THE TOP OF THE DRAIN; N  
 OW OPEN DRAINS ARE USED. CI DECLINE  
 D TO PROVIDE INFORMATION. CONSTRUCT  
 ION DEPARTMENT CONCERN. NO FOLLOW U  
 P REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

DESIGN CHANGES  
 SPECIFICATIONS  
 SYSTEMS  
 PIPE

1 CONCERNS FOR CATEGORY CO SUBCATEGORY 10700

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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 SUBCATEGORY: 10900 CABLE

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CATEGORY: CO CONSTRUCTION-PROCESS

SUBCATEGORY: 10900 CABLE

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
EX -85-076-003 T50185	CO	10900	N WBN	Y Y Y Y		NS	CABLE BREAK LINKS WERE NOT USED FOR PRE-1984 CABLE PULLING. POSSIBLE CABLE DAMAGE MAY HAVE RESULTED IN UNIT 2. GENERIC CONCERN. CONSTRUCTION DEPT. CONCERN. CI HAS NO ADDITIONAL INFORMATION.	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
EX -85-086-001 T50197	CO	10900	N WBN	Y Y Y Y		NS	DURING THE WEEK OF OCTOBER 14, 1985 A CABLE WAS PULLED USING A "COME ALO NG" DURING A LONG PULL THAT WENT FRO M MANHOLE TO MANHOLE. (NAMES/DETAIL S TO THE SPECIFIC CASE ARE KNOWN TO QTC AND WITHHELD TO MAINTAIN CONFIDE NTIALITY). CONSTRUCTION DEPT. CONCE RN. CI HAS NO FURTHER INFORMATION.	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
IN -85-009-001 T50031	CO	10900	N WBN	N N Y Y		NS	IN MARCH OR APRIL 1985, 480V RECPT'S IN THE ADDITIONAL DIESEL GENERATOR BUILDING FEED CABLES WERE SIZED LARG ER THAN THE PLUGS COULD HANDLE. THE ELECT. ENGR. AIDE IN CHARGE OF THIS WORK (NAME GIVEN) DISCUSSED THIS PR OBLEM WITH DESIGN ENGINEERING AND WA S TOLD AN ECR WOULD BE ISSUED TO ADD RESS THIS PROBLEM. WHEN ELECT. ENGR . AIDE (NAME GIVEN) TOLD THE ELECT. ENGINEER IN CHARGE OF THE SYSTEM (NA ME GIVEN), ENGINEER IN CHARGE OF SYS TEM STATED THAT "I DON'T HAVE TIME T O WORRY ABOUT THIS PROBLEM BECAU	SCHEDULE QA PROGRAM CONSTRUCTION EMPLOYEES
IN -85-120-001 T50074	CO	10900	N WBN	N N Y Y		SS	WBNP UNIT 1, THE TRIAXIAL CABLES (WT V TYPE) FOR THE NEUTRON FLUX DETECTO RS IS NOT SUPPORTED FROM WHERE THE C ABLES EXIT FROM THE REACTOR CAVITY S TAINLESS STEEL WALL FROM A RACEWAY, TO THE TERMINATIONS ON THE DETECTORS . C/I COULD NOT PROVIDE ANY ADDITIO NAL INFORMATION. NO FURTHER INFORMA TION AVAILABLE. NO FOLLOW-UP REQUIR ED.	DESIGN PROCESS INSTALLATION INSTRUMENTATION CABLE
IN -85-213-001 T50008	CO	10900	N WBN	Y Y Y Y		SS	CABLE PULLING PROCEDURES WERE CHANGE D AROUND 1981. ITEMS SUCH AS PULL T ENSIONS WERE MODIFIED. NO CORRECTIV E ACTION WAS TAKEN FOR CABLE PULLED PRIOR TO PROCEDURE CHANGE. PERTAINS TO BOTH UNITS	PROCEDURES SPECIFICATIONS ELECTRICAL CABLE



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: CO CONSTRUCTION-PROCESS

SUBCATEGORY: 10900 CABLE

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-295-003 T50096	CO	10900	N WBN	Y Y Y Y		SS	CABLE PULLS WERE PERFORMED IN A "RUSHED" MANNER. CABLES WHICH WERE PULLED UNDER THE OLD "UNCONTROLLED" PROCEDURE WERE POSSIBLY NOT RECHECKED. TIME FRAME OF OLD PROCEDURE PRIOR TO 1982 (APPROX.). NO FURTHER DETAILS AVAILABLE. NO FOLLOW UP REQUIRED.	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
IN -85-433-002 T50041	CO	10900	N WBN	Y Y Y Y		SS	THE CABLE ON UNITS 1&2 HAS BEEN PULLED SO HARD (MANUALLY NOT MECHANICALLY) THAT THE INSULATION SLIPS OR BREAKS. THE CABLE THAT BREAKS IS CORRECTED BUT THE DAMAGED CABLE IS IGNORED AND LEFT FOR THE MEGGER TEST TO DETERMINE DAMAGE. CRAFT ARE OFTEN ORDERED NOT TO WAIT FOR QC INSPECTORS.	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
IN -85-436-004 T50011	CO	10900	N WBN	Y Y Y Y		NS	TOO MANY WIRES IN ONE CONDUIT BEING PULLED OVER ENERGIZED WIRES. PRIOR TO 1 YR. AGO THIS DATE (6-8-85) THE MAX. PULL TENSION WAS NOT MONITORED	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
IN -85-719-002 T50079	CO	10900	N WBN	Y Y Y Y		NS	ELECTRIC CABLES EXIT CABLE TRAY OVER A SHARP EDGE INTO A PENETRATION. THESE CABLES MAY ALSO VIOLATE MINIMUM BEND CRITERIA. LOCATION IS AZIMUTH 330 (CRANE WALL) ELEVATION 745' OVER LOOP #3 PUMP, UNIT #2. PENETRATIONS INCLUDE 2RR-3065/2RR-3060/2RR-3064/2RR-3074/2RR-3075.	INSPECTION CONST PROCESS ELECTRICAL CABLE
IN -85-733-001 T50117	CO	10900	N WBN	Y Y Y Y		NS	SUPERVISION IS INTERESTED IN QUANTITY RATHER THAN QUALITY. "GET IT IN" IS THE SLOGAN. CABLES ARE PULLED ROUGHLY AROUND SHARP CORNERS AND BENDS, WHEN THE CONDUITS ARE FULL. ELEV 729', 737', 747', AND 759' AUX. BLDG. UNIT 2. ALSO PROBLEM EXISTS IN CONTROL ROOM UNITS 1 & 2. CI HAS NO FURTHER INFORMATION. CONSTRUCTION DEPT. CONCERN. FOLLOW UP NOT REQUIRED.	SCHEDULE QA PROGRAM CONSTRUCTION CABLE
IN -85-856-005 T50094	CO	10900	N WBN	Y Y Y Y		SS	THE PRACTICE OF USING A BREAK ROPE WHEN PULLING CABLE DID NOT BECOME EFFECTIVE UNTIL 1984 AFTER ALL THE "BIG" PULLS WERE MADE 3+ YEARS AGO WITHOUT BREAK ROPES. NO MORE INFORMATION AVAILABLE. NO FOLLOW UP REQUIRED.	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-978-001 T50208	CO	10900	N	WBN	Y Y Y Y		NS	SUPERVISOR (KNOWN) DIRECTED THAT ELECTRICAL CABLE BE PULLED WITH CHERRY PICKERS, MACK TRUCKS, AND TRUCK MOUNTED WINCHES. PROBLEM WAS WIDESPREAD. EXAMPLES INCLUDE (A) MUCH OF THE LARGE CABLE IN BURIED CONDUIT IN THE 500 KV SWITCHYARD, AND (B) 500 MCM CABLE THAT IS NOW INSIDE THE TURBINE BUILDING #1, BUT WHICH WAS PULLED BY A MACK TRUCK USING A STEEL CABLE. CONDUIT ENDS WERE IN LINE WITH THE DOOR IN THE TURBINE BLDG. THAT OPENS IN THE DIRECTION OF THE 500 KV SWITCHYARD. THE MACK TRUCK WAS STAT	PROCEDURES CONST PROCESS ELECTRICAL CABLE
IN -86-199-001 T50123	CO	10900	N	WBN	Y Y Y N	I-85-466-WBN	SS	CABLE PULLS ARE NOT ALWAYS PERFORMED TO THE REQUIREMENTS OF THE QCI. FOR EXAMPLE, BREAK LINKS WERE NOT USED DURING CABLE PULLS, AND CONDUITS ARE TOO FULL. CONSTRUCTION CONCERN. CI HAS NO ADDITIONAL INFORMATION.	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
IN -86-201-001 T50130	CO	10900	N	WBN	Y Y Y N	I-85-466-WBN	SS	CABLE PULLING LIMITS MAY HAVE BEEN EXCEEDED DURING CABLE PULLS BEFORE 1982. CI STATES THAT PULLING LIMITS WERE NOT ADHERED TO OR MONITORED BEFORE THAT DATE. CONST. DEPT. CONCERN. CI HAS NO ADDITIONAL INFORMATION. NO FOLLOW UP REQUIRED.	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
IN -86-259-001 T50149	CO	10900	N	WBN	Y Y Y N	I-85-568-WBN	SS	TVA FAILED TO USE FUSE LINKS OR OTHER TENSION INDICATORS WHILE PULLING CABLE. FUSE LINKS HAVE ONLY BEEN USED IN THE PAST 1 1/2 YEARS. CONSTRUCTION DEPT. CONCERN. CI HAS NO ADDITIONAL INFORMATION. NO FOLLOW-UP REQUIRED.	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
IN -86-259-004 T50149	CO	10900	S	WBN	Y Y Y N	I-85-518-WBN	SS	CABLES HAVE BEEN PULLED AT WATTS BAR BY USING A COME-ALONG WINCH. DOORS WERE HELD SHUT TO PREVENT QC OBSERVATION. CONSTRUCTION DEPT CONCERN. (DETAILS TO THIS SPECIFIC CASE ARE KNOWN TO QTC AND WITHHELD TO MAINTAIN CONFIDENTIALITY). CI HAS NO FURTHER INFORMATION. NO FOLLOW-UP REQUIRED.	INSTALLATION CONST PROCESS ELECTRICAL CABLE

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: CO CONSTRUCTION-PROCESS

SUBCATEGORY: 10900 CABLE

CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -86-262-003 T50148	CO	10900	N WBN	Y Y Y N	I-85-573-WBN	NS	UNITS 1&2, APPROXIMATELY A YEAR AND ONE-HALF AGO (1983) A BREAK LINK WAS TO BE USED DURING A CABLE PULL; HOWEVER, A "STEEL CHOKER" IS STILL BEING ADDED AND THE PROBABILITY OF EXCEEDING THE MAXIMUM PULL TENSION IS VERY HIGH. MOST OF THE CABLE HAD BEEN PULLED BY 1983. CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
00 -85-005-014 T50272	CO	10900	N SQN	N N N N		SS	SEQUOYAH - INSULATION WAS MISTAKENLY CUT OFF OF A 440 VOLT CABLE. WHEN THE MISTAKE WAS DISCOVERED, THE INSULATION WAS REATTACHED WITH ELECTRICAL TAPE. CABLE IS THE POWER FEED TO THE BACK FLOW (OR DISCHARGE) GATE HOIST MOTOR (MOTOR NOS. 1AA, 1BB, 2AA AND 2BB IN ONE OF THE FOLLOWING COND UNITS: 1-PL-6370-B, 1-PL-6360-A, 2-PL-6370-B OR 2-PL-6360-A). INCIDENT OCCURRED IN 1977. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. CONSTRUCTION DEPARTMENT	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
OW -85-007-004 T50224	CO	10900	N WBN	Y Y Y Y		NS	VAMASCO FIRE PROOFING WAS APPLIED TO ELECTRICAL POWER CABLES SO THICKLY THAT IT WILL NOT ALLOW RESISTANCE HEAT TO DISSIPATE. THIS WILL CAUSE THE ELECTRICAL INSULATION TO BREAK DOWN AND FAIL. CI HAS NO FURTHER INFORMATION CONSTRUCTION DEPARTMENT CONCERN NO FOLLOW UP REQUIRED.	DESIGN RELATED CONST PROCESS ELECTRICAL CABLE
XX -85-008-001 T50075	CO	10900	N BLN	Y Y Y Y	I-85-311-BLN	SS	AT BELLEFONTE, NO MECHANICAL DEVICE WAS USED TO PULL CABLES. HOWEVER, USED AS MANY MEN AS THEY WANTED TO. THEREFORE, MAX TENSION WAS EXCEEDED. THIS OCCURRED DURING 1981 IN THE TURBINE BUILDING OF UNIT 1 & 2.	CONST PROCESS NONCONFORMANCE ELECTRICAL CABLE

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: CO CONSTRUCTION-PROCESS

SUBCATEGORY: 10900 CABLE

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-094-004 T50150	CO	10900	N BLN	Y Y Y Y	I-85-579-BLN	NS	BELLEFONTE: THE MAJORITY OF CABLE HAS BEEN PULLED BEFORE THE USE OF FISH TAPE FUSE LINK OR MONITORING DEVICE S WERE REQUIRED; THEREFORE THE MAX. PULL TENSION WAS NOT MONITORED. CONSTRUCTION DEPT. CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 CABLE

21 CONCERNS FOR CATEGORY CO SUBCATEGORY 10900

REFERENCE - ECPS111J-ECPS111C  
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CATEGORY: CO CONSTRUCTION-PROCESS

SUBCATEGORY: 11100 HANGERS/SUPPORTS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-038-001 T50056	CO	11100	N	SQN	Y Y N Y		NS	SEQUOYAH: 1976 STAINLESS STEEL PIPE PERMITTED TO CONTACT CARBON STEEL ST RUCTURAL STEEL WITH NO STAINLESS STE EL INSERT ("SHIM"); IF THE STRUCTURA L STEEL IS PAINTED WITH A PARTICULAR PAINT THAT PREVENTS CHEMICAL REACTI ON. THIS PAINT CAN BE RUBBED OFF TH E HAND AND IS THROUGHOUT THE PLANT

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

QUALIFICATION  
 PROTECTIVE COATING  
 HANGERS  
 SEPARATION

1 CONCERNS FOR CATEGORY CO SUBCATEGORY 11100

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
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CATEGORY: CO CONSTRUCTION-PROCESS

SUBCATEGORY: 11200 WORK PLAN/WORK CONTROL

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -86-261-002 T50230	CO	11200	N	WBN	Y Y Y Y		NS	DUE TO WORK REQUIRED BY FCR'S/ECN'S NOT BEING PERFORMED PROMPTLY, THE CR AFT MANY TIMES ARE WORKING TO AN OBSOLETE DRAWING. AFTER REQUESTING INSPECTION FOR COMPLETED WORK, QC MAY INFORM CRAFT THAT COMPLETED WORK IS NOT ACCEPTABLE AS A PREVIOUS FCR/ECN REQUIREMENT WAS INCORPORATED IN THE DRAWING, BUT THE WORK HAS NOT BEEN PERFORMED. EXAMPLE: PANELS IN THE UNIT 2 RELAY ROOM. CONSTRUCTION DEPARTMENT CONCERN. CI HAS NO ADDITIONAL INFORMATION. NO FOLLOW UP REQUIRED
MAS-86-003	CO	11200	N	SQN	N N N N		NS	ADEQUACY OF WORK BEING DONE BY CONSTRUCTION CONCERNING FUSE IDENTIFICATION WORK PLANS
XX -85-101-002 T50162	CO	11200	N	SQN	N N N N		NS	SEQUOYAH- IMPROPER INSTALLATION OF NON-NUCLEAR SYSTEM COULD ADVERSELY AFFECT PUBLIC HEALTH AND SAFETY. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.
XX -85-120-006 T50247	CO	11200	N	SQN	N N N N	I-86-194-SQN	SS	SEQUOYAH - HANGER CREWS WERE INSTRUCTED (SUPERVISOR KNOWN) TO GO AHEAD AND BUILD HANGERS WITHOUT DRAWINGS, AND ENGINEERING WOULD DRAW THE HANGER UP LATER. MANY OF THESE HANGERS WERE SUBSEQUENTLY REJECTED AND REWORKED. CONSTRUCTION DEPARTMENT CONCERN. CI HAS NO FURTHER INFORMATION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

WORK PLAN/PACKAGE  
 DRAWINGS  
 CONSTRUCTION  
 GENERAL

PUBLIC RELATIONS  
 PERSONNEL FEELINGS  
 OPERATIONS  
 CONST MANAGEMENT

DESIGN RELATED  
 INSTALLATION  
 HANGERS  
 GENERAL

4 CONCERNS FOR CATEGORY CO SUBCATEGORY 11200

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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IN -85-020-001 T50026	CO	11300	N	WBN	Y Y Y Y	I-85-143-WBN	SS	UNIT 2, REACTOR BLDG. ELEV. 713 ANNU LUS AREA, 5/8" PHILLIPS "RED HEAD" W EDGE ANCHORS IN DUCT SUPPORTS # 1582 -1583 WERE IMPROPERLY INSTALLED. TH IS WAS CAUSED BY DRILLING THE HOLES TOO DEEP OR NOT DEEP ENOUGH. THE "R ED HEADS" THAT DID NOT MEET MINIMUM EMBEDMENT LENGTHS WERE CUT OFF FLUSH WITH THE WALL. ALSO, SOME "RED HEA DS" WERE DETERIORATED AND RUSTED.	CONST PROCESS INSTALLATION CIVIL ANCHORS
IN -85-031-001 T50054	CO	11300	N	WBN	Y Y Y Y	IN-85-031-001	SS	IN REVIEWING PREVIOUSLY APPROVED DES IGN CALCULATIONS FOR STRUCTURAL STEEL ACCESS PLATFORMS LOCATED IN THE RE ACTOR BUILDINGS UNITS 1&2. CI HAS A T TIMES FOUND ERRORS, OMISSIONS OR I NCORRECT ASSUMPTIONS WHICH COULD HAV E AN AFFECT ON QUALITY/SAFETY. WHEN CI MADE REQUEST TO SUPERVISOR (NAME KNOWN) TO CORRECT ERRORS, CI WAS TO LD THAT THERE WAS NO TIME OR MAN-HOU RS AVAILABLE TO MAKE CORRECTIONS. C I STATED THAT SOME CALCULATION WENT UNCORRECTED. THIS OCCURRED DURING A LL OF 1984. CI COULD NOT PROVID	DESIGN PROCESS PROCEDURES ENGINEERING GENERAL
IN -85-033-001 T50064	CO	11300	N	WBN	Y Y Y Y	I-85-265-WBN	NS	EN DES PROCEDURE EP 4.03 APP. 4 IS I NADEQUATE. EP 4.03 APP.4 ALLOWS ACC EPTANCE OF MINOR LOADS TO EMBEDDED P LATES BY PERFORMING VISUAL INSPECTIO NS OF ATTACHMENTS TO EMBEDDED PLATES . SINCE PROCEDURE EP 4.03 APP.4 DOE S NOT DEFINE WHAT A MINOR LOAD IS, T HERE IS NO LIMIT TO WHAT CAN BE ACCE PTED BY VISUAL INSPECTION. EXAMPLE: FCR EP-3784 ILLUSTRATES PROBLEM WIT H PROGRAM OF VISUAL INSPECTION. NO FOLLOW-UP REQUIRED.	PROCEDURES DESIGN PROCESS ENGINEERING EMBEDS
IN -85-103-001 T50004	CO	11300	N	WBN	Y Y Y Y	I-85-111-WBN	SS	TVA IS NOT IN COMPLIANCE WITH NRC BU LLETIN 79-02 (SUPPORT OF RIGID PLATE ASSUMPTIONS IN ANALYSIS) IN THAT BA SE PLATE FLEX IS NOT A DESIGN CONSID ERATION. NO ADDITIONAL CONTACT REQU IRED.	DESIGN PROCESS SPECIFICATIONS CIVIL GENERAL

REFERENCE - ECPS111J-ECPS111C  
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IN -85-285-001 T50174	CO	11300	N WBN	Y Y Y Y	I-85-656-WBN	SS	HANGER BASE PLATES INSTALLED IMPROPERLY. REBARS DRILLED THROUGH AND RED HEADS CUT OFF SHORT. BOLT AND HEADS CUT OFF AND WELDED TO BASE PLATE. ALL CRAFTS DID THIS. EXAMPLES ARE DUCT SUPPORTS- CEILING OF CONTROL ROOM (SPREAD ROOMS) 708' ELE - 5/8" RED HEADS. VARIOUS SIZE PLATES. 5-6 BOLTS CUT CLOSE TO COLUMNS AT EAST WALL. CI HAS NO FURTHER INFORMATION. CONST. DEPT. CONCERN. NO FOLLOW UP REQUIRED.	NONCONFORMANCE CONST PROCESS HVAC ANCHORS
IN -85-285-002 T50176	CO	11300	N WBN	Y Y Y Y	I-85-657-WBN	SS	TVA INSPECTED AND PULL TESTED REDHEADS IMPROPERLY. PULL TESTING WAS NOT 100%. BASE PLATE OR HANGER WAS BOLTED IN PLACE. EVEN READHEADS THAT WERE LOOSE COULD HAVE PASSED BY BEARING AGAINST THE BACK OF THE PLATE. BECAUSE THE HOLES WERE NOT INSPECTED BEFORE REDHEADS WERE SET, QC COULD NOT TELL IF REBAR HAD BEEN CUT. CI HAS NO MORE INFORMATION. CONST. DEPT. CONCERN. NO FOLLOW UP REQUIRED.	QA PROGRAM TESTING CONSTRUCTION ANCHORS
IN -85-845-001 T50136	CO	11300	N WBN	N Y Y N	I-85-437-WBN	NS	ON SAMPLING SYSTEM 43, UNISTRUT IS INSTALLED WITH CONCRETE FASTENERS THAT ARE CUT-OFF, TACK WELDED TO THE BACK OF UNISTRUT TO APPEAR AS ANCHORED INTO CONCRETE. THIS SYSTEM WAS REROUTED AND THE PROBLEM WAS CORRECTED. CI EXPRESSED CONCERN ABOUT THE BALANCE OF PLANT UNIT 1 & 2. CI GAVE NO SPECIFICS ABOUT OTHER SYSTEMS OR LOCATIONS.	NONCONFORMANCE INSTALLATION WELDING ANCHORS
IN -86-115-001 T50169	CO	11300	N WBN	Y Y Y N	I-85-659-WBN	SS	SELF DRILLING EXPANSION SHELL ANCHORS ARE BEING OVERTORQUED. THIS IS DONE TO CORRECT EXCESSIVE GAP BETWEEN BASEPLATE AND WALL. CRAFT PERSONNEL ARE NOT TRAINED TO THE REQUIREMENTS OF SPEC. G-32 PARAGRAPH 3.2. CONSTRUCTION DEPT CONCERN-CI HAS NO FURTHER INFORMATION. UNITS 1 & 2.	DESIGN RELATED TESTING HANGERS BOLTING



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IN -86-140-002 T50127	CO	11300	N	WBN	Y Y Y Y		NS	ANCHORS BOLTS HAVE BEEN CUT AND WELDED TO BASE PLATES. ANCHORS HAVE NOT BEEN PUT IN DEEP ENOUGH, AND CAN PULL OUT. EG: TURBINE BLDG UNIT #2, GROUND LEVEL, ROOM NEAR RAILWAY ENTRANCE (ACROSS PASSAGE FROM NORTH VALVE ROOM). CONDUIT HANGER DIRECTLY OVER ENTRY WAY HAS PULLED OUT OF WALL, AND IS BEING HELD UP BY CONDUIT. ALSO HAS WELD LEAD DRAPED OVER HANGER. CONSTRUCTION DEPT CONCERN. UNIT 2 CI HAS NO FURTHER INFORMATION.	NONCONFORMANCE INSTALLATION WELDING ANCHORS
IN -86-294-002 T50152	CO	11300	N	WBN	Y Y Y Y	I-85-529-WBN	SS	IN 1981 THE FIRE PROTECTION SYSTEM IN THE VAULT IN UNIT 2 HAD A BASE PLATE WITH AN ANCHOR BOLT CUT OFF AND TACK WELDED TO THE BACK OF THE BASE PLATE. THE BASE PLATE IS LOCATED INSIDE THE ACCESS DOOR TO THE VAULT AND ON THE CEILING. CI HAS NO ADDITIONAL INFORMATION. CI'S CONCERN IS IN OTHER APPLICATIONS IN THE PLANT. CONSTRUCTION DEPT. CONCERN. NO FOLLOW UP REQUIRED.	NONCONFORMANCE INSTALLATION WELDING ANCHORS
SQP-85-005-002 T50229	CO	11300	N	SQN	Y Y N Y	I-86-120-SQN	SS	SEQUOYAH: IN 1976-77, AUX BLDG, ELEVATION 749, OF UNIT 1, IN THE MOV BOARD ROOM 1A, BETWEEN COLUMN LINES A-2 TO A-8 AND "R" LINE HOLES WERE LEFT IN THE CEILING UNDER THE CONDUIT AND CABLE TRAY SUPPORTS. REBAR WAS HIT WHILE DRILLING THE HOLES, SO THE HOLE LOCATION WAS MOVED, AND THE OLD HOLES WERE LEFT WITH THE SHELLS INSTALLED AND THE HOLES NOT FILLED WITH GROUT. DETAILS KNOWN TO QTC WITHHELD TO MAINTAIN CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. CI HAS NO ADDITIONAL INFORMATION	NONCONFORMANCE CORRECTIVE ACTION CIVIL SUPPORTS ELECT

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SQP-85-005-003 T50229	CO	11300	N SQN	N N N N	I-86-120-SQN	SS	SEQUOYAH: IN 1976-77, AUX BLDG. ELEVATION 749, OF UNIT 1, IN THE MOV BOARD ROOM 1A, BETWEEN COLUMN LINES A-2 TO A-8 AND "R" LINE THE ANCHOR SHELS WERE CUT OFF AND INSTALLED WHEN THEY HIT REBAR DURING INSTALLATION. THE SHELLS WERE CUT OFF TO FACILITATE INSTALLATION OF CONDUIT AND CABLE TRAY SUPPORTS TO THE CEILING. DETAILS KNOWN TO QTC AND WITHHELD TO MAINTAIN CONFIDENTIALITY. NUCLEAR POWER CONCERN. NO FURTHER INFORMATION MAY BE RELEASED. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRE	NONCONFORMANCE CORRECTIVE ACTION ELECTRICAL ANCHORS
SQP-85-005-004 T50229	CO	11300	N SQN	N N N N	I-86-120-SQN	SS	SEQUOYAH: IN 1976-77, AUX BLDG. ELEVATION 749, OF UNIT 1, IN THE MOV BOARD ROOM 1A, BETWEEN COLUMN LINES A-2 TO A-8 AND "R" LINE THE CONCRETE ANCHORS WERE INSTALLED AT AN ANGLE SO GREAT THAT THE HOLES IN THE SUPPORT PLATES HAD TO BE BEVELED ON THE BACK SIDE TO ENABLE THE ANCHOR BOLT TO FIT THROUGH THE PLATE. THESE ANCHORS WERE INSTALLED FOR CONDUIT AND CABLE TRAY SUPPORTS IN THE CEILING. DETAILS KNOWN TO QTC WITHHELD TO MAINTAIN CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. CI HAS	NONCONFORMANCE INSTALLATION HANGERS ANCHORS
SQP-85-005-005 T50229	CO	11300	N SQN	Y Y N Y	I-86-120-SQN	SS	SEQUOYAH: IN 1976-77, AUX BUILDING, ELEVATION 749 OF UNIT 1, IN THE MOV BOARD ROOM 1A BETWEEN COLUMN LINES A-2 TO A-8 AND "R" LINE NONCONFORMING CONDITIONS WITH THE INSTALLATION OF CONDUIT AND CABLE TRAY SUPPORTS SUCH AS, CUT OFF ANCHOR SHELLS, INCORRECTLY INSTALLED. ANCHOR SHELLS, WRONG SIZE ANCHORS, CUT REBAR, MODIFIED SUPPORT PLATES, AND ANCHOR HOLES NOT FILLED WERE IDENTIFIED: HOWEVER THE SE NONCONFORMING CONDITIONS WERE NOT DOCUMENTED AND APPROPRIATE ACTION IMPLEMENTED. DETAILS KNOWN TO QTC	NONCONFORMANCE INSTALLATION ELECTRICAL ANCHORS

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SUBCATEGORY: 11300 ANCHORAGES

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SQP-85-005-006 T50229	CO	11300	N	SQN	N N N N	I-86-120-SQN	SS	SEQUOYAH: IN 1976-77, AUX BUILDING, ELEVATION 749 OF UNIT 1, IN THE MOV BOARD ROOM A, BETWEEN COLUMN LINES A 2 TO A8 AND "R" LINE, CONCRETE ANCHORS WERE DRILLED INTO THE CEILING, MANY OF WHICH HIT REPAIR. THIS MAY NOT HAVE BEEN REPORTED TO ENGINEERING SO THAT ENGINEERING COULD EVALUATE ANY DAMAGE. THE HOLES WERE RELOCATED AND REDRILLED, AND THE CONDUIT AND CABLE SUPPORTS WERE INSTALLED IN THE CEILING. DETAILS KNOWN TO QTC, WITH HELD TO MAINTAIN CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE REL	NONCONFORMANCE INSTALLATION HANGERS ANCHORS
XX -85-010-001 T50075	CO	11300	N	SQN	Y Y N Y		SS	SEQUOYAH- WHEN REMOVING VOIDED HANGERS, CI DISCOVERED SEVERAL INSTANCES OF NUTS WELDED TO BACK OF BASE PLATES WITH THE CONCRETE CHIPPED AWAY TO ACCEPT NUT. ANCHOR BOLTS WOULD ACCEPT TORQUE BUT WOULD NOT SUPPORT BASE PLATES. PER CI, THIS SITUATION COULD EXIST FOR THE INSTALLED HANGERS. EXAMPLE: CVC SYSTEM REACTOR BUILDING, ACCUMULATOR ROOM 4. THIS WAS ABOUT 4 YEARS AGO AT SEQUOYAH IN UNITS 1 & 2.	NONCONFORMANCE INSTALLATION WELDING ANCHORS
XX -85-023-001 T50137	CO	11300	S	SQN	N N Y N		SS	SEQUOYAH. UNIT #2. PULL TESTS WERE ROUTINELY BY-PASSED AND/OR INCORRECTLY DOCUMENTED ON HANGERS/ANCHORS INSTALLED IN THE ANNULUS AREA. MID-1977. NO NAMES OR SPECIFIC LOCATIONS WERE PROVIDED. CONSTRUCTION DEPT. CONCERN. CI HAS NO MORE INFORMATION. NO FOLLOW-UP REQUIRED.	QA PROGRAM TESTING HANGERS ANCHORS

17 CONCERNS FOR CATEGORY CO SUBCATEGORY 11300

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SUBCATEGORY: 15100 DAMAGE

CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-346-002 T50026	CO	15100	N WBN	N N Y Y		SS	ELECTRICAL PENETRATIONS GOING INSIDE REACTOR # 2 ARE FLIMSY SHEET METAL, AND ARE WALKED ON AND DAMAGED. LOC ATION 716' ELEVATION.	CONST PROCESS PREVENTIVE MAINT CONSTRUCTION PENETRATION
IN -86-169-001 T50123	CO	15100	N WBN	Y Y Y N	I-85-474-WBN	SS	A PIECE OF FLEXIBLE CONDUIT HAS EXTE NSIVE HEAT DAMAGE. LOCATION: AUX BL DG, EL 713', 6' EAST OF A12, 3' SOUT H OF V LINE. CI HAS NO ADDITIONAL I NFORMATION. CONST. CONCERN/ELECT. C RAFT. TIME FRAME UNKNOWN.	WELDING CONST PROCESS ELECTRICAL CONDUIT

2 CONCERNS FOR CATEGORY CO SUBCATEGORY 15100

REFERENCE - ECPS111J-ECPS111C  
FREQUENCY - REQUEST  
ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
OFFICE OF NUCLEAR POWER  
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CATEGORY: CO CONSTRUCTION-PROCESS

SUBCATEGORY: 17100 MECHANICAL

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-211-002 T50038	CO	17100	N	WBN	N N Y Y	I-85-166-WBN	NS	ERCW LINE WAS DESIGNED TO BE STAINLE SS STEEL HOWEVER IT IS NOT.	DESIGN PROCESS STANDARDS PIPING MATERIAL

1 CONCERNS FOR CATEGORY CO SUBCATEGORY 17100

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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 RUN DATE - 08/18/86

CATEGORY: CO CONSTRUCTION-PROCESS

SUBCATEGORY: 17300 INSTRUMENT LINE INSTALLATION

CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-016-003 T50030	CO	17300	N WBN	Y Y Y N	I-85-165-WBN	SS	TUBING NOT CLAMPED PROPERLY. THIS IS A SITEWIDE CONDITION. TUBE 3/8" O S.S. INSTRUMENT LINES. UNIT 1. CLAMPS ARE BENT, CROOKED, TIGHT OR LOOSE. CONDITION WAS NOTICED ABOUT A YEAR AGO.	INSTALLATION SPECIFICATIONS INSTRUMENTATION TUBING
IN -85-197-001 T50156	CO	17300	N WBN	Y Y Y Y		SS	SYSTEM 68 IN UNIT I REACTOR BLDG. RACEWAY AREA INSTRUMENTATION SENSING LINES HAVE NEGATIVE SLOPE IN SOME AREAS WHICH COULD TRIP REACTOR. THIS SITUATION WAS LOOKED AT BY ENDS IN KNOXVILLE AND THEY STATED ON NCR 5750 TO USE-AS-IS. CONSTRUCTION DEPT. CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.	DESIGN PROCESS SPECIFICATIONS INSTRUMENTATION
IN -85-795-001 T50078	CO	17300	N WBN	Y Y Y N	IN-85-795-001	SS	COMPRESSION FITTINGS ON INSTRUMENT TUBING ARE NOT INSTALLED PER VENDOR INSTRUCTIONS.	NONCONFORMANCE INSTALLATION INSTRUMENTATION FITTINGS
IN -85-795-002 T50078	CO	17300	N WBN	Y Y Y N	IN-85-795-002	NS	NO HYDRO TEST IS PERFORMED ON TUBING FROM THE DRAIN VALVE TO THE CLOSED DRAIN. IF THE FERRULE IS REVERSED, THE TUBING WILL LEAK RADIOACTIVE FLUID ONTO THE FLOOR.	DESIGN PROCESS SPECIFICATIONS INSTRUMENTATION FITTINGS
PH -85-001-002 T50001	CO	17300	N WBN	Y Y Y N	PH-85-001-002	SS	SLOPE PROBLEM WITH INSTRUMENT LINES IN SYS 68. PANELS 226, 227, 228. PREVIOUS NCR ONLY ADDRESSES 4 OF 28 SPECIFIC LINES FROM THESE PANELS. MORE SPECIFICS MAY BE AVAILABLE LATER AS INDIVIDUAL CLAIMS TO HAVE A DIARY, HOWEVER CONTACT IS NOT PRESENTLY POSSIBLE.	DESIGN PROCESS SPECIFICATIONS INSTRUMENTATION
SQP-86-001-001 T50240	CO	17300	N SQN	Y Y N Y	I-86-128-SQN	SS	DRAWINGS REQUIRE AN 1/8" PER FOOT SLOPE AND CONTRARY TO THIS THE INSTRUMENTATION LINES DO NOT COMPLY WITH DRAWING REQUIREMENTS. CONSTRUCTION DEPT. CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.	DESIGN PROCESS SPECIFICATIONS INSTRUMENTATION

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: CO CONSTRUCTION-PROCESS

SUBCATEGORY: 17300 INSTRUMENT LINE INSTALLATION

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-046-001 T50143	CO	17300	N	SQN	Y Y N Y	I-85-590-SQN	SS	INSTRUMENT SENSING LINES FOR SYSTEM 68 AT SEQUOYAH MAY HAVE SLOPE DEFICI ENCIES. DETAILS KNOWN TO QTC, WITHH ELD DUE TO CONFIDENTIALITY. CONSTRU CTION DEPT. CONCERN. C/I HAS NO FUR THER INFORMATION.
XX -85-050-001 T50096	CO	17300	S	SQN	Y Y Y Y	I-85-329-SQN	SS	INADEQUATE QUALITY ASSURANCE CONTROL S WERE APPLIED TO THE INSTALLATION O F INSTRUMENT TUBING COMPRESSION FITT INGS AT SEQUOYAH. NO FURTHER INFORM ATION AVAILABLE. NO FOLLOW UP REQUI RED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

DESIGN PROCESS  
 SPECIFICATIONS  
 INSTRUMENTATION

INSPECTION  
 INSTALLATION  
 INSTRUMENTATION  
 FITTINGS

8 CONCERNS FOR CATEGORY CO SUBCATEGORY 17300

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: CO CONSTRUCTION-PROCESS

SUBCATEGORY: 99999

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
SQP-85-005-001 T50229	CO	99999	N	SQN	N N N N	I-86-120-SQN	SS	SEQUOYAH: IN 1976-77, AUX BLDG, ELEVATION 749, OF UNIT 1, THE CONDUIT AND CABLE TRAY SUPPORTS IN THE MOV BOA RD ROOM 1A, BETWEEN COLUMN LINES A-2 TO A-8 AND "R" LINE WERE INCORRECTLY INSTALLED. A CUTTING TORCH WAS USED TO ENLARGE THE HOLES ON THE BACK SIDE OF THE SUPPORT PLATES. THE HOLES WERE BEVELED TO ALLOW THE ANCHOR BOLTS TO FIT THROUGH THE HOLES. DETAILS KNOWN TO QTC, WITHHELD TO MAINTAIN CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. CI HAS NO ADDITIONAL INFORMATION. CONST.	NONCONFORMANCE CONST PROCESS ELECTRICAL SUPPORTS ELECT
SQP-85-005-007 T50229	CO	99999	N	SQN	N N N N	I-86-120-SQN	SS	SEQUOYAH: IN 1976-77, IN THE AUX. BLDG., ELEVATION 749 OF UNIT 1, ANCHOR BOLTS IN THE CEILING OF THE MOV BOA RD ROOM 1A BETWEEN COLUMN LINES A2-T O A-8, AND "R" LINE WERE VERIFIED TO BE THE WRONG SIZE. THESE ANCHOR BOLTS ARE UTILIZED TO SUPPORT CONDUIT AND CABLE TRAY. DETAILS ARE KNOWN TO QTC WITHHELD TO MAINTAIN CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. CI HAS NO FURTHER INFORMATION. CONSTRUCTION DEPT. CONCERN . NO FOLLOW-UP REQUIRED.	NONCONFORMANCE CORRECTIVE ACTION HANGERS ANCHORS
XX -85-070-007 T50180	CO	99999	N	SQN	N N N N	I-85-772-SQN	SS	SEQUOYAH, SEPT. 1984 UNIT 2: INSTALLED SNUBBERS ARE NOT PER DESIGN DRAWINGS (115 DRAWINGS INVOLVED) AND NO REWORK HAS BEEN SCHEDULED EXCEPT A REQUEST TO INCLUDE THIS IN 1986'S BUDGET. NUCLEAR POWER CONCERN. C/I HAS NO FURTHER INFORMATION.	NONCONFORMANCE CORRECTIVE ACTION PIPING SUPPORTS

3 CONCERNS FOR CATEGORY CO SUBCATEGORY 99999



REFERENCE - ECPS111J-ECPS111C  
FREQUENCY - REQUEST  
ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
OFFICE OF NUCLEAR POWER  
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CATEGORY: C0 CONSTRUCTION-PROCESS

SUBCATEGORY: 99999

KEYWORD A  
KEYWORD B  
KEYWORD C  
KEYWORD D

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
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72 CONCERNS FOR CATEGORY C0

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 00000

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
OE-QMS-3	EN	00000	N	WBN	Y Y Y Y		SS	THE PROGRAM PLAN FOR CONTROL ROOM DESIGN REVIEW IS NOT ADEQUATE TO ASSURE IDENTIFICATION AND RESOLUTION OF ALL HUMAN ENGINEERING CONCERNS THAT COULD SIGNIFICANTLY AFFECT SAFE SHUTDOWN OF TVAS NUCLEAR PLANTS.
R11-85-A-0007	EN	00000	N	SQN	Y Y N Y		NS	AN ANONYMOUS ALLEGER STATED THAT THE VENT CONDENSER AT THE CONDENSATE DE MINERALIZER BUILDING (CDWE) VENTS NON-CONDENSIBLE GASES TO THE DUCT IN THE CDWE BUILDING WHERE IT IS DISCHARGED TO THE AUXILIARY BUILDING (AUX BLDG). DURING AN AUX BLDG ISOLATION THE EXHAUST DAMPERS ISOLATE THE CDWE BUILDING FROM THE AUX BUILDING AND NON-CONDENSIBLE GASES CAN BUILD UP IN THE CDWE BUILDING. AT TIMES, THE IODINE CONCENTRATION IN THE CDWE BUILDING ARE APPARENTLY SOMEWHAT INACCURATE AND MAY GO UNNOTICED IN THE

2 CONCERNS FOR CATEGORY EN SUBCATEGORY 00000

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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 SUBCATEGORY: 20100 INCORPORATION OF REQUIREMENTS/DESIGN COMMITMENTS

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CATEGORY: EN DES PROCESS & OUTPUT

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -86-259-X11 T50149	EN	20100	S WBN	Y Y Y Y	I-85-545-WBN	NS	IF TVA ELECTRICAL PROCEDURES DO NOT INCLUDE IEEE STD. REQUIREMENTS OR THEIR EQUIVALENT, NUMEROUS PROBLEMS CAN RESULT. CONSTRUCTION DEPT. CONCERN. CI HAS NO ADDITIONAL INFORMATION. NO FOLLOW-UP REQUIRED.	PROCEDURES STANDARDS ELECTRICAL GENERAL
WI -85-100-001 T50211	EN	20100	N WBN	Y Y Y Y		NS	ELECTRICAL AND I&C REGULATIONS (REG. GUIDES, NUREGS, BULLETINS AND NOTICES) HAVE BEEN IGNORED AND VIOLATED TO A VERY LARGE DEGREE AT ALL PLANTS. THIS HAS BEEN CAUSED BY A LACK OF KNOWLEDGE, A POOR ATTITUDE TOWARD SAFETY AND REGULATIONS, AND A LACK OF KNOWLEDGE OF INDUSTRY POSITIONS ON REGULATIONS ON THE PART OF TVA PERSONNEL. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.	STANDARDS NONCONFORMANCE ELECTRICAL GENERAL
WI -85-100-002 T50211	EN	20100	S WBN	Y Y Y Y		NS	DIESEL GENERATOR MARGINS ARE INADEQUATE. TVA HAS ADDED DGS TO BROWNS FERRY, SEQUOYAH AND WATTS BAR. EACH TIME A QUESTION IS RAISED, TVA MUST CONDUCT ANOTHER STUDY. TVA ADDS DIESEL GENERATORS WITHOUT UPGRADING LICENSING DOCUMENTS. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.	NONCONFORMANCE CORRECTIVE ACTION GENERAL EQUIPMENT
XX -85-122-001 T50217	EN	20100	S SQN	Y Y Y Y	I-85-651-SQN	SS	SEQUOYAH - ELECTRICAL AND I & C REGULATIONS (REG. GUIDES, NUREGS, BULLETINS AND NOTICES) HAVE BEEN IGNORED AND VIOLATED TO A VERY LARGE DEGREE AT ALL PLANTS. THIS HAS BEEN CAUSED BY A LACK OF KNOWLEDGE, A POOR ATTITUDE TOWARD SAFETY AND REGULATIONS, AND A LACK OF KNOWLEDGE OF INDUSTRY POSITIONS ON REGULATIONS ON THE PART OF TVA PERSONNEL. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.	STANDARDS NONCONFORMANCE ELECTRICAL GENERAL

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 20100 INCORPORATION OF REQUIREMENTS/DESIGN COMMITMENTS

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
XX -85-122-002 T50217	EN	20100	S BLN	Y Y Y Y	I-85-649-BLN	NS	BELLEFONTE - ELECTRICAL AND I & C REGULATIONS (REG. GUIDES, NUREGS, BULLETINS AND NOTICES) HAVE BEEN IGNORED AND VIOLATED TO A VERY LARGE DEGREE AT ALL PLANTS. THIS HAS BEEN CAUSED BY A LACK OF KNOWLEDGE, A POOR ATTITUDE TOWARD SAFETY AND REGULATIONS, AND A LACK OF KNOWLEDGE OF INDUSTRY POSITIONS ON REGULATIONS ON THE PART OF TVA PERSONNEL. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.	STANDARDS NONCONFORMANCE ELECTRICAL GENERAL
XX -85-122-003 T50217	EN	20100	S BFN	Y Y Y Y	I-85-930-BFN	NS	BROWN'S FERRY - ELECTRICAL AND I & C REGULATIONS (REG. GUIDES, NUREGS, BULLETINS AND NOTICES) HAVE BEEN IGNORED AND VIOLATED TO A VERY LARGE DEGREE AT ALL PLANTS. THIS HAS BEEN CAUSED BY A LACK OF KNOWLEDGE, A POOR ATTITUDE TOWARD SAFETY AND REGULATIONS, AND A LACK OF KNOWLEDGE OF INDUSTRY POSITIONS ON REGULATIONS ON THE PART OF TVA PERSONNEL. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.	STANDARDS NONCONFORMANCE ELECTRICAL GENERAL
XX -85-122-006 T50214	EN	20100	S SQN	Y Y N Y	I-85-173-SQN	SS	SEQUOYAH: DIESEL GENERATOR MARGINS ARE INADEQUATE. TVA HAS ADDED DGS TO BROWNS FERRY, SEQUOYAH AND WATTS BAR. EACH TIME A QUESTION IS RAISED, TVA MUST CONDUCT ANOTHER STUDY. TVA ADDS DIESEL GENERATORS WITHOUT UPGRADING LICENSING DOCUMENTS. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.	NONCONFORMANCE CORRECTIVE ACTION GENERAL EQUIPMENT

7 CONCERNS FOR CATEGORY EN SUBCATEGORY 20100

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 20400 ORGANIZATION OR OPERATING PROCEDURES

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D	ORGANIZATION DESIGN PROCESS GENERAL GENERAL	DESIGN PROCESS EXAMINATION ENGINEERING INSPECTORS	NONCONFORMANCE DESIGN CHANGES WAIVER GENERAL
IN -85-029-002 T50054	EN	20400	N	WBN	Y Y Y Y		NS	TVA'S MANAGERIAL STRUCTURE IS UNWIEL DING AND CUMBERSOME. THIS SITUATION SOMETIMES LEADS TO CONFUSION IN THE DESIGN PROCESS. EXAMPLE: EXCESSIVE AMOUNT OF PAPERWORK; TOO MANY PEOP E IN THE REVIEW CYCLE FOR ECN'S, ECR 'S, MEMOS; TOO MANY EP PROCEDURES. EP'S NEED TO BE STREAMLINED. "THE P APERWORK PASSES THROUGH TOO MANY HAN DS" CI STATED THAT THIS CONCERN IS G ENERAL AND COULD NOT PROVIDE ANY SPE CIFICS.				
IN -85-148-001 T50115	EN	20400	N	WBN	Y Y Y Y		SS	DESIGN CHECKS (REVIEWS) BEING PERFORM ED BY TECHNICIANS ("SE" LEVEL PERSONN EL) IN LIEU OF GRADUATE ENGINEERS AT TVA/KNOXVILLE PIPE SUPPORT GROUP. CI STATED THAT WATTS BAR PIPE SUPPOR T GROUP DOES NOT HAVE THIS PROBLEM. CI CITED NAME OF M-5 IN KNOXVILLE W HO IS RESPONSIBLE FOR THIS PROGRAM. CONSTRUCTION DEPARTMENT CONCERN. C I HAD NO ADDITIONAL INFORMATION. NO FOLLOW UP REQUIRED.				
IN -85-375-002 T50098	EN	20400	N	WBN	N N Y Y		NS	WESTINGHOUSE DRAWINGS SPECIFIED NOT ONLY MODEL NO. BUT EXACT INSTRUMENT SERIAL NUMBER ON CERTAIN RELAY RACK MOUNTED INSTRUMENTS. INSTRUMENTS TH AT ARE INSTALLED HAVE CORRECT MODEL NO., BUT WERE REJECTED FOR HAVING IN CORRECT SERIAL NUMBERS, PER QCP 3.06 -7. ENGINEERING ACCEPTED INSTRUMENT S BY SAYING THAT EXACT SERIAL NO.S A RE NOT REQUIRED, AND ENGINEERING IS CHANGING QCP 3.06-7. (BOTH UNITS) C I HAS NO FURTHER INFORMATION.				

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 20400 ORGANIZATION OR OPERATING PROCEDURES

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
IN -86-209-003 T50218	EN	20400	N	WBN	Y Y Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R

CONCERN  
 DESCRIPTION

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

RECORDS  
 EXAMINATION  
 QUALITY  
 REPORTS

PH -85-038-001 T50143	EN	20400	N	WBN	Y Y Y Y	I-85-546-WBN
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NS DESIGN DRAWINGS, TECHNICAL SPECIFICATIONS, DESIGN CRITERIA DOCUMENTS, PRE-OPERATION TESTS PACKAGE, ETC. ARE NOT RECEIVING A SECOND INDEPENDENT REVIEW AS REQUIRED, BUT ARE REVIEWED PRIMARILY FOR COSMETIC DETAILS, (ENGLISH, SPELLING, ETC.). THE TECHNICAL REVIEWS ARE PERFORMED AT KNOXVILLE AND THE PERSONNEL PERFORMING THE REVIEWS ARE EITHER NOT EXPERIENCED ENOUGH, OR SCHEDULE PRESSURE PREVENTS THEM FROM PERFORMING AN ADEQUATE TECHNICAL REVIEW. THIS HAS BEEN GOING ON SINCE LATE 70'S. THE POTENTIAL EXISTS FOR

PROCEDURES  
 DOCUMENT STATUS  
 ENGINEERING  
 GENERAL

WI -85-100-017 T50212	EN	20400	N	WBN	Y Y Y Y
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NS CONSTRUCTION, TEST AND INSTALLATION SPECIFICATIONS (CALLED GENERAL CONSTRUCTION SPECS, WITH A G-\_\_\_\_ NUMBER) ARE OFTEN INCOMPLETE AND INADEQUATE. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.

SPECIFICATIONS  
 NONCONFORMANCE  
 CONSTRUCTION  
 GENERAL

6 CONCERNS FOR CATEGORY EN SUBCATEGORY 20400

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS + RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 20500 CONTROL OF DESIGN CALCULATIONS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
IN -85-110-004 T50074	EN	20500	S	WBN	Y Y Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
S  
R  
CONCERN  
DESCRIPTION

NS LACK OF AWARENESS BY TVA OF MANAGE-  
 NT (NAMES GIVEN) OF REQUIREMENTS TO  
 DOCUMENT THE LOAD CARRYING CAPABILIT  
 IES OF PIPE SUPPORTS FOR FUTURE REFE  
 RENCE. TVA MANAGEMENT IGNORANT OF R  
 EQUIREMENTS OF ANSI N45.2.9 FOR RETE  
 NTION OF DESIGN CALCULATIONS AS PERM  
 ANENT PLANT RECORDS.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

RECORD COLLECTION  
 DESIGN REVIEW  
 CONSTRUCTION  
 CONST MANAGEMENT

1 CONCERNS FOR CATEGORY EN SUBCATEGORY 20500

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 20600 AS-BUILT RECONCILIATION

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
XX -85-062-003 T50127	EN	20600	S NPS	Y Y Y Y	I-85-473-NPS	SS	SEQUOYAH, BROWNS FERRY: CI WAS UNOFFICIALLY INFORMED THAT THE DRAWINGS, IN MANY INSTANCES, ARE NOT A TRUE REPRESENTATION OF THE INSTALLATION. NUCLEAR POWER CONCERN. CI HAS NO MORE INFORMATION.	NONCONFORMANCE DOCUMENT CONTROL OPERATIONS GENERAL
XX -85-070-001 T50140	EN	20600	N SQN	N N N N	I-85-473-NPS	SS	SEQUOYAH: UNITS 1 & 2 NUMEROUS DOCUMENTS CONTAIN A HIGH PERCENT OF ERRORS AND DRAWINGS DO NOT REFLECT THE INSTALLATIONS IN MANY INSTANCES. (NAMES/DEPT./DETAILS TO THE SPECIFIC CASE ARE KNOWN TO QTC AND WITHHELD TO MAINTAIN CONFIDENTIALITY). CI HAS NO MORE INFORMATION. NUCLEAR POWER DEPT. CONCERN.	DOCUMENT CONTROL RECORD GENERATION OPERATIONS REPORTS
XX -85-070-003 T50180	EN	20600	S SQN	Y Y Y Y	I-85-637-SQN	SS	SEQUOYAH: WORK PLANS CONTAIN INACCURATE DATA. MAJORITY OF THE DCR'S TAKEN CARE BUT NOT DOCUMENTED RIGHT AND DRAWINGS DO NOT REFLECT THE AS-BUILT CONDITIONS. DETAILS WITHHELD TO MAINTAIN CONFIDENTIALITY. NUC POWER CONCERN. C/I HAS NO FURTHER INFORMATION.	WORK PLAN/PACKAGE DRAWINGS OPERATIONS GENERAL
XX -85-077-002 T50186	EN	20600	N SQN	N N Y N	I-85-473-NPS	SS	SEQUOYAH - UNIT 1 & 2: NUMEROUS DESIGN DRAWINGS ARE INACCURATE AND DO NOT REFLECT AS BUILT CONDITION. SEVERAL FCR'S WERE WRITTEN BUT NOT REFLECTED ON THE DESIGN DRAWINGS. CI HAS NO FURTHER INFORMATION. CONSTRUCTION DEPT. CONCERN.	DRAWINGS DOCUMENT STATUS GENERAL GENERAL

4 CONCERNS FOR CATEGORY EN SUBCATEGORY 20600



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 20700 DISPOSITION OF NCRS

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
I-85-761-NPS	EN	20700	N WBN	Y Y Y Y		SS	DNE PRACTICE FOR APPROVAL OF CAQ DOC UMENTATION (I.E., PIR & SCR) HINDERS THE REPORTING OF CONDITIONS ADVERSE TO QUALITY BY EMPLOYEES.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

1 CONCERNS FOR CATEGORY EN SUBCATEGORY 20700

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
 EMPLOYEE CONCERN PROGRAM SYSTEM (ECPS)  
 LIST OF EMPLOYEE CONCERN INFORMATION

CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 20800 HUMAN FACTORS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
WI -85-100-007 T50211	EN	20800	N	WBN	Y Y Y Y		NS	HUMAN FACTORS ENGINEERING AND/OR REVIEWS HAVE NOT BEEN IMPLEMENTED FOR CONTROL PANELS AND STATIONS. CI EXPRESSED THAT THIS IS A VIOLATION OF NUREG -0700. CI FURTHER STATED THAT THERE ARE TOO MANY POOR ENGINEERING PRACTICES IN THIS AREA. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.
XX -85-122-020 T50214	EN	20800	N	SQN	N N N Y	I-85-241-SQN	SS	SEQUOYAH: HUMAN FACTORS ENGINEERING AND/OR REVIEWS HAVE NOT BEEN IMPLEMENTED FOR CONTROL PANELS AND STATIONS. CI EXPRESSED THAT THIS IS A VIOLATION OF NUREG -0700. CI FURTHER STATED THAT THERE ARE TOO MANY POOR ENGINEERING PRACTICES IN THIS AREA. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.

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KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

STANDARDS  
 NONCONFORMANCE  
 ENGINEERING  
 GENERAL

STANDARDS  
 NONCONFORMANCE  
 ENGINEERING  
 GENERAL

2 CONCERNS FOR CATEGORY EN SUBCATEGORY 20800

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS T RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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 RUN DATE - 08/18/86

CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 20900 MAINTENANCE OF Q-LISTS

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-407-001 T50098	EN	20900	N WBN	Y Y Y N	I-85-422-WBN	SS	CSSC Q-LIST I NOT ACCURATE. NOT ALL COMPONENTS COVERED BY QA PROGRAM ARE LISTED, QE DEPARTMENT HAS LIST THAT DOCUMENTS THE INACCURACIES. THE CSSC Q-LIST IS USED TO DETERMINE IF QC INSPECTIONS ARE REQUIRED. CI HAS NO FURTHER INFORMATION.
IN -85-688-003 T50080	EN	20900	N WBN	Y Y Y N	I-85-422-WBN	NS	CONCERN OVER VALIDITY OF CRITICAL SYSTEM, STRUCTURES AND COMPONENTS "Q" LISTING. DETAILS KNOWN TO QTC. DETAILS WITHHELD TO MAINTAIN CI CONFIDENTIALITY.
IN -86-087-004 T50120	EN	20900	N WBN	Y Y Y N	I-85-422-WBN	SS	SIGNIFICANT DIFFERENCES EXIST IN THE CONTENT OF THE NUCLEAR POWER "Q" LIST AND THE CRITICAL STRUCTURES, SYSTEMS AND COMPONENTS (CSSC) "Q" LIST. MANY ITEMS ORIGINALLY PLACED ON THE NUC POWER "Q" LIST ARE NOT REFLECTED ON THE CSSC "Q" LIST, WHICH COULD ADVERSELY AFFECT ESTABLISHMENT OF APPROPRIATE QUALITY CONTROLS ON ITEMS WHICH ARE RELATED TO PLANT SAFETY. NUCLEAR POWER CONCERN. NO SPECIFICS PROVIDED, CI HAS NO FURTHER INFORMATION.
IN -86-090-001 T50120	EN	20900	S WBN	Y Y Y N	I-85-422-WBN	SS	NUC PWR (NO NAME/DEPT GIVEN) ISSUED A CRITICAL STRUCTURES, SYSTEMS & COMPONENTS LIST (CSSC) THAT DOES NOT INCLUDE ALL ITEMS IDENTIFIED ON THE SITE "Q" LIST (NO SPECIFICS GIVEN). THIS WAS DONE WITHOUT OFFICE ON ENGG, ENGG DESIGN GRP INPUT/APPROVAL (THE ORIGINATOR OF THE SITE "Q" LIST). BY REFERRING TO THE CSSC, THE POSSIBILITY EXISTS FOR INSTALLING "NON-Q" ITEMS IN A SAFETY-RELATED SYSTEM. CI HAS NO ADDITIONAL INFORMATION. NUC POWER CONCERN

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

DOCUMENTS  
 CLASSIFICATION  
 QUALITY  
 GENERAL

DOCUMENTS  
 NONCONFORMANCE  
 QUALITY  
 REPORTS

DOCUMENTS  
 NONCONFORMANCE  
 QUALITY  
 GENERAL

DOCUMENTS  
 NONCONFORMANCE  
 GENERAL  
 MATERIAL

4 CONCERNS FOR CATEGORY EN SUBCATEGORY 20900

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
 EMPLOYEE CONCERN PROGRAM SYSTEM (ECPS)  
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 SUBCATEGORY: 21000 ENVIRONMENTAL QUALIFICATION PROCESS

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CATEGORY: EN DES PROCESS & OUTPUT

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D	STANDARDS NONCONFORMANCE ELECTRICAL EQUIPMENT
WI -85-100-005 T50211	EN	21000	N WBN	Y Y Y Y		NS	ENVIRONMENTAL QUALIFICATIONS OF ELECTRICAL AND I&C EQUIPMENT AND COMPONENTS IS INADEQUATE. QUALIFICATION WAS OFTEN NOT DONE, OR IF DONE, RECORDS DO NOT EXIST IN MANY CASES, WHICH RESULTS IN MODIFICATION OR REPLACEMENT. CURRENT UPGRADE PROGRAM FOR ENVIRONMENTAL QUALIFICATIONS NEEDS SCRUTINY. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.		
XX -85-122-014 T50214	EN	21000	N SQN	N N N Y	I-85-169-SQN	SS	SEQUOYAH: ENVIRONMENTAL QUALIFICATIONS OF ELECTRICAL AND I&C EQUIPMENT AND COMPONENTS IS INADEQUATE. QUALIFICATION WAS OFTEN NOT DONE, OR IF DONE, RECORDS DO NOT EXIST IN MANY CASES, WHICH RESULTS IN MODIFICATION OR REPLACEMENT. CURRENT UPGRADE PROGRAM FOR ENVIRONMENTAL QUALIFICATIONS NEEDS SCRUTINY. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.		
XX -85-122-015 T50214	EN	21000	N BLN	Y Y Y Y	I-85-114-BLN	NS	BELLEFONTE: ENVIRONMENTAL QUALIFICATIONS OF ELECTRICAL AND I&C EQUIPMENT AND COMPONENTS IS INADEQUATE. QUALIFICATION WAS OFTEN NOT DONE, OR IF DONE, RECORDS DO NOT EXIST IN MANY CASES, WHICH RESULTS IN MODIFICATION OR REPLACEMENT. CURRENT UPGRADE PROGRAM FOR ENVIRONMENTAL QUALIFICATION NEEDS SCRUTINY. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.		
XX -85-122-016 T50214	EN	21000	N BFN	Y Y Y Y	I-85-144-BFN	NS	BROWN'S FERRY: ENVIRONMENTAL QUALIFICATIONS OF ELECTRICAL AND I&C EQUIPMENT AND COMPONENTS IS INADEQUATE. QUALIFICATION WAS OFTEN NOT DONE, OR IF DONE, RECORDS DO NOT EXIST IN MANY CASES, WHICH RESULTS IN MODIFICATIONS OR REPLACEMENT. CURRENT UPGRADE PROGRAM FOR ENVIRONMENTAL QUALIFICATIONS NEEDS SCRUTINY. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.		

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 21200 PIPE SUPPORT PROGRAM

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-027-001 T50010	EN	21200	N	WBN	Y Y Y Y		NS	TVA PROGRAM FOR IMPLEMENTING NRC BUL LETIN 79-14 INADEQUATE. DESIGN CALC ULATION DOCUMENTATION IS LACKING
IN -85-110-004 T50074	EN	21200	S	WBN	Y Y Y Y		NS	LACK OF AWARENESS BY TVA OF MANAGEME NT (NAMES GIVEN) OF REQUIREMENTS TO DOCUMENT THE LOAD CARRYING CAPABILT IES OF PIPE SUPPORTS FOR FUTURE REFERE NCE. TVA MANAGEMENT IGNORANT OF R EQUIREMENTS OF ANSI N45.2.9 FOR RETE NTION OF DESIGN CALCULATIONS AS PERM ANENT PLANT RECORDS.
SQN-86-002-002	EN	21200	N	SQN	Y Y Y Y		SS	DURING THE EXIT INTERVIEW THE CI STA TED THAT CONTAINMENT SPRAY LINE PIP NG DRAWINGS AND WELD MAP DO NOT AGRE E WITH THE AS-BUILTS. ALTERNATE ANA LYSIS WAS USED INSTEAD OF RIGOROUS A NALYSIS, DAWINGS WERE NOT CORRECTED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

DESIGN PROCESS  
 SPECIFICATIONS  
 ENGINEERING  
 PIPE

RECORD COLLECTION  
 DESIGN REVIEW  
 CONSTRUCTION  
 CONST MANAGEMENT

3 CONCERNS FOR CATEGORY EN SUBCATEGORY 21200

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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CATEGORY: EN DES PROCESS &amp; OUTPUT

SUBCATEGORY: 21300 ELECTRICAL PROCEDURES

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -86-259-X11 T50149	EN	21300	S WBN	Y Y Y Y	I-85-545-WBN	NS	IF TVA ELECTRICAL PROCEDURES DO NOT INCLUDE IEEE STD. REQUIREMENTS OR TH EIR EQUIVALENT, NUMEROUS PROBLEMS CA N RESULT. CONSTRUCTION DEPT. CONCER N. CI HAS NO ADDITIONAL INFORMATION . NO FOLLOW-UP REQUIRED.
XX -85-122-030 T50215	EN	21300	S SQN	Y Y Y Y	I-85-992-SQN	SS	SEQUOYAH: INADEQUATE MANAGEMENT, CON TROL AND STATUS LISTING OF A.C. AND D.C. ELECTRICAL LOADS, INCLUDING DIE SEL GENERATOR LOADS. THIS INVOLVES INADEQUATE CONTROL OF OR PREPARATION OF CALCULATIONS FOR LOADS, AND INAD EQUATE MANAGEMENT AND CONTROL OF LOA D MARGINS, INCLUDING ELECTRICAL LOA D AND MECHANICAL LOADS (HEAT, BHP, E TC) THAT TRANSLATE INTO ELECTRICAL L OADS. CI HAS NO FURTHER INFORMATION . ANONYMOUS CONCERN VIA LETTER.
XX -85-122-031 T50215	EN	21300	S BLN	Y Y Y Y	I-85-977-BLN	NS	BELLEFONTE: INADEQUATE MANAGEMENT, C ONTROL AND STATUS LISTING OF A.C. AN D D.C. ELECTRICAL LOADS, INCLUDING D IESEL GENERATOR LOADS. THIS INVOLVE S INADEQUATE CONTROL OF OR PREPARATI ON OF CALCULATIONS FOR LOADS, AND IN ADEQUATE MANAGEMENT AND CONTROL OF L OAD MARGINS, INCLUDING ELECTRICAL LO ADS AND MECHANICAL LOADS (HEAT, BHP, ETC) THAT TRANSLATE INTO ELECTRICAL LOADS. CI HAS NO FURTHER INFORMATI ON. ANONYMOUS CONCERN VIA LETTER.
XX -85-122-032 T50215	EN	21300	S BFN	Y Y Y Y	I-85-978-BFN	NS	BROWN'S FERRY: INADEQUATE MANAGEMENT , CONTROL AND STATUS LISTING OF A.C. AND D.C. ELECTRICAL LOADS, INCLUDIN G DIESEL GENERATOR LOADS. THIS INVO LVES INADEQUATE CONTROL OF OR PREPAR ATION OF CALCULATIONS FOR LOADS, AND INADEQUATE MANAGMENT AND CONTROL OF LOAD MARGINS, INCLUDING ELECTRICAL LOADS AND MECHANICAL LOADS (HEAT, BH P, ETC) THAT TRANSLATE INTO ELECTRIC AL LOADS. CI HAS NO FURTHER INFORMA TION. ANONYMOUS CONCERN VIA LETTER.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

PROCEDURES  
 STANDARDS  
 ELECTRICAL  
 GENERAL

NONCONFORMANCE  
 CORRECTIVE ACTION  
 ELECTRICAL  
 GENERAL

NONCONFORMANCE  
 CORRECTIVE ACTION  
 ELECTRICAL  
 GENERAL

NONCONFORMANCE  
 CORRECTIVE ACTION  
 ELECTRICAL  
 GENERAL

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 21500 CIVIL/STRUCTURAL DESIGN

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
LDA-85-001	EN	21500	N	SQN	N N N N

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R

CONCERN  
 DESCRIPTION

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

EMPLOYEE CONCERNED OVER THE STRUCTURAL INTEGRITY OF THE FEEDWATER HEATER MONORAIL HANGERS.

00 -85-005-009 T50224	EN	21500	N	SQN	
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SS SEQUOYAH: SEQUOYAH NUCLEAR PLANT IS SITED ON AN EARTHQUAKE FAULT THAT RUNS FROM AROUND CHATTANOOGA TO NORTH OF KNOXVILLE. IF THERE WERE AN EARTHQUAKE POWER PLANT STRUCTURES COULD FAIL. CI HAS NO FURTHER INFORMATION. CONSTRUCTION DEPARTMENT CONCERN NO FOLLOW UP REQUIRED.

PUBLIC RELATIONS  
 PERSONNEL FEELINGS  
 GENERAL  
 GENERAL

OW -85-007-007 T50224	EN	21500	N	WBN	N N Y Y
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NS WATTS BAR IS LOCATED ON AN EARTHQUAKE FAULT THAT RUNS FROM CHATTANOOGA TO NORTH OF KNOXVILLE. IF THERE WERE TO BE AN EARTHQUAKE, THE PLANT'S STRUCTURAL INTEGRITY WOULD BE SERIOUSLY DAMAGED. CI HAS NO FURTHER INFORMATION. CONSTRUCTION DEPARTMENT CONCERN NO FOLLOW UP REQUIRED.

PUBLIC RELATIONS  
 PERSONNEL FEELINGS  
 GENERAL  
 GENERAL

3 CONCERNS FOR CATEGORY EN SUBCATEGORY 21500

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 21800 PIPE STRESS CALCULATIONS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-039-003 T50050	EN	21800	N	WBN	Y Y Y Y		SS	ON PIPE RUNS FOR WHICH BOTH CALCULATIONS (T-PIPE & SAGS) WERE USED, NO ACCEPTANCE CRITERIA WAS ESTABLISHED FOR OVERLAP AREAS OF CALCULATIONS. IMPROPER TERMINATION USED BETWEEN PROBABLE BOUNDARIES. (IE 3 WAY RIGID REGIONS, 3 CHANGES OF DIRECTION AND ELIMINATION OF BENDING/TORSION)
SQN-86-001-001	EN	21800	N	SQN	Y Y N Y		SS	DURING THE EXIT INTERVIEW, THE CI STATED THAT THERE IS AN ALTERNATE CRITERIA NCR FOR THE INADEQUACY OF ALTERNATE PIPING. ANY CONCERNS RELATING TO ANY ALTERNATE PIPING ARE PUT UNDER THE NCR. THE CONCERN IS THAT THIS IS A "CATCH-ALL" AND INDIVIDUAL ITEMS COULD GO UNRESOLVED BEYOND STARTUP. SIMILAR TO SQN-86-002-001
SQN-86-001-003	EN	21800	N	SQN	Y Y Y Y		SS	DURING THE EXIT INTERVIEW, THE CI STATED THAT THE PROCEDURE FOR OPERATIONAL MODE (FOR PIPING ANALYSIS) DOES NOT REQUIRE AN EVALUATION FOR THERMAL CONDITION CHANGES. THESE SHOULD BE EVALUATED ON A CASE-BY-CASE BASIS. THE PROCEDURE SHOULD BE REVISED AS NEEDED.
SQN-86-002-001	EN	21800	N	SQN	Y Y Y Y		SS	DURING THE EXIT INTERVIEW THE CI STATED THAT ALTERNATE PIPING ANALYSIS DOES NOT GET AS SPECIFIC AS IT SHOULD. INSTANCES WHERE THIS PIPING IS NOT QUALIFIED GETS PUT INTO A "CATCH-ALL" NCR. THIS ITEM WAS ADDRESSED AND CORRECTED AT WATTS BAR. SIMILAR TO SQN-86-001-001
SQN-86-002-003	EN	21800	N	SQN	N N N Y		SS	DURING THE EXIT INTERVIEW THE CI STATED THAT OPERATING MODE DRAWINGS HAVE NOT BEEN LOOKED AT FOR ALL SUBSEQUENT ANALYSIS. SITE GROUP NOT ALLOWED TO EVALUATE IMPACT OF THE CORRECT "OP MODE" IN THE RECORD ANALYSIS. IN THE ANNULUS AREA, THE TEMPERATURE CAN GO TO 150 DEGREES HOWEVER, THE SITE GROUP WAS NOT ALLOWED TO EVALUATE EFFECTS ON OTHER LINES.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

DESIGN PROCESS  
 DESIGN CHANGES  
 ENGINEERING  
 TERMINATIONS



REFERENCE - ECP3111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
 EMPLOYEE CONCERN PROGRAM SYSTEM (ECP3)  
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CATEGORY: EN DES PROCESS &amp; OUTPUT

SUBCATEGORY: 22000 SUPPORT DESIGN GENERAL

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D	DRAWINGS INSPECTION QUALITY HANGERS	RECORDS INSPECTION QUALITY HANGERS	NONCONFORMANCE DESIGN PROCESS ENGINEERING SUPPORTS	DESIGN REVIEW NONCONFORMANCE HVAC REPORTS
IN -85-461-001 T50035	EN	22000	N WBN	N N Y Y		NS	INTERPRETATION AND APPLICATION OF H7 A050 SERIES DRAWINGS. THEY ARE OVER-RIDING SUPPLEMENTS TO THE MAJORITY OF TVA, CBI, ETC PIPE SUPPORT DRAWINGS. ON OCCASION, SUPERVISORS (SE7 & ABOVE) HAVE PERSONALLY GONE TO THE FIELD AND ACCEPTED HANGER FEATURES THAT CI HAD FAILED. ACCEPTANCE CRITERIA FOR THEM WERE USUALLY ASSOCIATED WITH INTERPRETATION OF 050 NOTES.					
IN -85-903-001 T50248	EN	22000	N WBN	N N Y Y		NS	PROBLEMS WITH 050 NOTES USED WITH HANGER INSPECTION PROCEDURES. THE NOTES USED BY INSPECTION CHANGE SO FREQUENTLY NO HANGER MEETS THE SAME REQUIREMENTS. THE CRITERIA FOR A GIVEN HANGER COULD CHANGE FROM WEEK TO WEEK DEPENDING ON THE STATUS OF THE 050 NOTES. NO FURTHER INFORMATION IN FILE. CONSTRUCTION DEPARTMENT CONCERN. NO FOLLOW UP REQUIRED.					
00 -85-005-008 T50224	EN	22000	N SQN	Y Y N Y		SS	SEQUOYAH SEISMIC SUPPORTS ARE NOT DESIGNED PROPERLY. THEY ARE RIGID AND WILL BREAK LOOSE DURING A SEISMIC EVENT AND WILL FALL DOWN AND DAMAGE OTHER EQUIPMENT, AS WELL AS FAILING TO SUPPORT THEIR RESPECTIVE COMPONENTS. CI HAS NO FURTHER INFORMATION. CONSTRUCTION DEPARTMENT CONCERN. NO FOLLOW UP REQUIRED					
XX -85-053-002 T50164	EN	22000	N SQN	N N N N	I-85-659-SQN	SS	SEQUOYAH- ENGINEERING EVALUATIONS FOR DOCUMENTATION MISSING ON PIPE SUPPORTS AND CONDUITS SUPPORTS WAS NOT ALWAYS DONE PROPERLY. SOMETIMES THE HARDWARE WAS NOT EXAMINED BEFORE THE EVALUATION WAS MADE. EG IN ONE CASE, THE NRC FOUND A HANGER DOCUMENTED AS BOLTED, BUT IT WAS ACTUALLY WELDED. (CI HAS NO MORE INFORMATION) UNTIL 1- 1978 TO 1980 CONSTRUCTION/ENGINEERING - AUX, CONTROL & DIESEL GEN BUILDINGS. NO FOLLOWUP REQUIRED.					

4 CONCERNS FOR CATEGORY EN SUBCATEGORY 22000

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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 SUBCATEGORY: 22100 PIPE SUPPORT DESIGN

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 22100 PIPE SUPPORT DESIGN

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
SQN-86-001-002	EN	22100	N SQN	N N N Y		SS	DURING THE EXIT INTERVIEW, THE CI STATED THAT THE UPPER HEAD INJECTION SYSTEM VERTICAL RISER JUST OUTSIDE REACTOR VESSEL (UNITS 1 AND 2) REQUIRE A RIGID SUPPORT, BUT INSTEAD A SNUBER WAS USED.
SQN-86-002-005	EN	22100	N SQN	Y Y Y Y		SS	DURING THE EXIT INTERVIEW THE CI STATED THAT ZERO PERIOD ACCELERATION (ZPA) HAS NOT BEEN ADDRESSED AT SQN. ZPA HAS BEEN DISCUSSED BUT MANAGEMENT DOES NOT WANT TO BRING UP ANY NEW ITEMS TO POWER WHICH MIGHT AFFECT STARTUP.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

2 CONCERNS FOR CATEGORY EN SUBCATEGORY 22100

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 22200 SUPPORT WELD DESIGN

CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-405-001 T50098	EN	22200	N WBN	Y Y Y Y		SS	POSSIBILITY OF METAL FATIGUE/IN-SERVICE FAILURE IN CIRCUMFERENTIAL WELDS CONNECTING SS PIPE TO "BOX" HANGERS. PRODUCTION PRESSURE TO MEET WEEKLY QUOTAS CAUSES WELDING CONTINUOUSLY RATHER THAN ALLOWING WELDMENT TO COOL. THIS MIGHT ENCOURAGE USING EXCESSIVE AMPERAGE AND LARGER WELD ROD. MANY OF THESE HANGERS HAVE EXCESSIVE WELD METAL (EG 1" WELD FOR 6" PIPE). HANGER DESIGN DOESN'T ALLOW FOR PIPE EXPANSION. BOTH UNITS REACTOR BUILDING, AUX AND "RACEWAY". CI HAS NO MORE INFORMATION.	WELDING SCHEDULE WELDING PIPE
IN -85-613-001 T50058	EN	22200	N WBN	Y Y Y Y		NS	THERMAL STRESS CAUSED BY 1/2" - 1" CIRCUMFERENTIAL WELD ON PIPE TO INSTALL BOX HANGER. (GENERIC CONCERN)	WELDING NONCONFORMANCE WELDING WELDS
WBP-86-007-001 T50239	EN	22200	N WBN	N N Y Y		NS	BOX ANCHORS ARE IMPROPERLY DESIGNED PLANT-WIDE. THE DESIGN REQUIRES AN EXCESSIVE AMOUNT OF WELD METAL TO BE APPLIED WHICH COULD RESULT IN OVERHEATING OF THE MATERIAL AND RESULTANTLY WEAKEN THE MATERIAL. CONSTRUCTION DEPARTMENT CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.	NONCONFORMANCE DESIGN PROCESS CIVIL ANCHORS
XX -85-086-002 T50147	EN	22200	N BLN	Y Y Y Y	I-85-559-BLN	NS	BELLEFONTE: A DESIGN DEFICIENCY HAS A WRONG WELD REQUIRED ON BOX HANGERS WHICH, IF PERFORMED PER DESIGN, CAUSES THE WELD TO RUN INTO THE PIPE (SS OR CARBON STEEL CODE PIPE). CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.	WELDING DESIGN REVIEW HANGERS WELDS
XX -85-086-003 T50147	EN	22200	N SQN	Y Y Y Y	I-85-560-SQN	NS	SEQUOYAH: A DESIGN DEFICIENCY HAS A WRONG WELD REQUIRED ON BOX HANGERS WHICH, IF PERFORMED PER DESIGN, CAUSES THE WELD TO RUN INTO THE PIPE (SS OR CARBON STEEL CODE PIPE). CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.	WELDING DESIGN REVIEW HANGERS WELDS

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 22200 SUPPORT WELD DESIGN

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-086-004 T50147	EN	22200	N BFN	Y Y Y Y	I-85-561-BFN	NS	BROWNS FERRY: A DESIGN DEFICIENCY HAS A WRONG WELD REQUIRED ON BOX HANGERS WHICH, IF PERFORMED PER DESIGN, CAUSES THE WELD TO RUN INTO THE PIPE (SS OR CARBON STEEL CODE PIPE). CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

WELDING  
 DESIGN REVIEW  
 HANGERS  
 WELDS

6 CONCERNS FOR CATEGORY EN SUBCATEGORY 22200

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REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
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SUBCATEGORY: 22300 INSTRUMENT SUPPORTS DESIGN

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

DESIGN PROCESS  
 INSTALLATION  
 INSTRUMENTATION  
 MOUNTING

DRAWINGS  
 NONCONFORMANCE  
 INSTRUMENTATION  
 SUPPORTS

CATEGORY: EN DES PROCESS & OUTPUT

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-973-002 T50156	EN	22300	N	WBN	N N Y Y			NS TYPICAL INSTRUMENT MOUNTING BRACKETS CONSISTING OF THIN GAUGE, PERFORATE D SHEETMETAL (OR SIMILAR MATERIAL) A RE NOT STRONG ENOUGH TO SUPPORT THE INSTRUMENTS (GENERIC FOR TYPICAL MOU NTS). CONSTANT BUMPING INTO, LEANIN G AGAINST, AND SITTING ON THESE BRAC KETS/INSTR. CAUSES DAMAGE TO BOTH BR ACKETS AND INSTRUMENTS. CI COULD NO T PROVIDE SPECIFIC INSTRUMENT NUMBER S, LOCATIONS, ETC., BUT STATED ALL S UCH INSTALLATIONS SHOULD BE SUBJECT TO RE-DESIGN. THIS WAS REPORTED TO MANAGER (KNOWN) BUT NO ACTION WA

PH -85-054-001 T50207	EN	22300	N	WBN	N N Y Y			NS THE NOTES ON THE 47A050 SERIES DRAWI NGS WERE REALLY CONFUSING TO THE Q.C INSPECTION PERSONNEL. MUCH CONFUS ION EXISTED BETWEEN THE SIZE, NUMBER AND TYPE OF INSTRUMENTATION SUPPORT CLAMPS WHICH WERE ACCEPTABLE BY THE 050 SERIES NOTES AND WHAT TYPE CLAM P WAS CALLED FOR ON THE TYPICAL SUPP ORT DRAWING. CONSTRUCTION DEPT. CON CERN. UNIT 1. CI COULD NOT PROVIDE ANY SPECIFICS/DETAILS. NO FURTHER INFORMATION AVAILABLE.
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2 CONCERNS FOR CATEGORY EN SUBCATEGORY 22300

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 22400 RACEWAY SUPPORT DESIGN

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-107-001 T50084	EN	22400	N WBN	Y Y Y Y		NS	SOME CEILING EMBEDDED PLATES, ON WHICH CABLE TRAY SUPPORTS ARE ATTACHED, ARE NOT STRONG ENOUGH TO RESIST HIGH MOMENTS DUE TO SEISMIC LOADS. BUT THERE ARE NO CALCULATIONS TO PROVE THAT THEY DO NOT WORK. ENGINEER IS OF THE OPINION THAT IT WOULD BE BETTER IF THE CABLE TRAY SUPPORTS ARE ASSUMED PINNED INSTEAD OF RIGID AT THE POINT OF ATTACHMENT, SO MOMENTS ARE NOT DEVELOPED. CI QUESTIONS DESIGN PHILOSOPHY AND HAS NO HARDWARE SPECIFICS.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

DESIGN PROCESS  
 SPECIFICATIONS  
 ENGINEERING  
 HANGERS

MAS-86-005 EN 22400 N SQN N N N N

SS ARE THE NON SUPPORTED FLAMASTIC COVERED CABLES IN THE SPREADING ROOM THAT PENETRATE THE WALLS AND CEILING SEISMICALLY SAFE?

2 CONCERNS FOR CATEGORY EN SUBCATEGORY 22400

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 22500 BATTERY SUPPORT DESIGN

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-122-017 T50214	EN	22500	N SQN	Y Y N Y	I-86-274-SQN	SS	SEQUOYAH: CLASS 1E AND NON-CLASS 1E BATTERIES ARE UNACCEPTABLY SUPPORTS (NO BATTERY TIE DOWNS), AND UNISTRUT SUPPORTS ARE UNACCEPTABLY USED. CI HAS NO FURTHER INFORMATION. ANONYM OUS CONCERN VIA LETTER.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 SUPPORTS ELECT

1 CONCERNS FOR CATEGORY EN SUBCATEGORY 22500

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS, RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 22800 UNINSTRUT SUPPORT DESIGN

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
XX -85-122-033 T50215	EN	22800	N SQN	Y Y Y Y	I-85-979-SQN	SS	SEQUOYAH: UNISTRUT MATERIAL IS USED TO SUPPORT INSTRUMENTS, PIPE, CONDUIT, CONTROL STATIONS AND PANELS, FLUID PIPING ON SKIDS, INSTRUMENT LINES, CO2 FIRE PROTECTION LINES, FIRE PROTECTION WATER PIPING, LIGHTING, ETC. UNISTRUT IS UNACCEPTABLE FOR USE AS SEISMIC CATEGORY I SUPPORTS AND ITEMS SO SUPPORTED MAY EITHER FAIL OR BECOME MISSILES TO CAUSE OTHER SAFETY RELATED EQUIPMENT TO FAIL. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.	NONCONFORMANCE CORRECTIVE ACTION ELECTRICAL SUPPORTS ELECT.
XX -85-122-034 T50215	EN	22800	N BLN	Y Y Y Y	I-85-980-BLN	NS	BELLEFONTE: UNISTRUT MATERIAL IS USED TO SUPPORT INSTRUMENTS, PIPE, CONDUIT, CONTROL STATIONS AND PANELS, FLUID PIPING ON SKIDS, INSTRUMENT LINES, CO2 FIRE PROTECTION LINES, FIRE PROTECTION WATER PIPING, LIGHTING, ETC. UNISTRUT IS UNACCEPTABLE FOR USE AS SEISMIC CATEGORY I SUPPORTS AND ITEMS SO SUPPORTED MAY EITHER FAIL OR BECOME MISSILES TO CAUSE OTHER SAFETY RELATED EQUIPMENT TO FAIL. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.	NONCONFORMANCE CORRECTIVE ACTION ELECTRICAL SUPPORTS ELECT
XX -85-122-035 T50215	EN	22800	N BFN	Y Y Y Y	I-85-991-BFN	NS	BROWN'S FERRY: UNISTRUT MATERIAL IS USED TO SUPPORT INSTRUMENTS, PIPE, CONDUIT, CONTROL STATIONS AND PANELS, FLUID PIPING ON SKIDS, INSTRUMENT LINES, CO2 FIRE PROTECTION LINES, FIRE PROTECTION WATER PIPING, LIGHTING, ETC. UNISTRUT IS UNACCEPTABLE FOR USE AS SEISMIC CATEGORY I SUPPORTS AND ITEMS SO SUPPORTED MAY EITHER FAIL OR BECOME MISSILES TO CAUSE OTHER SAFETY RELATED EQUIPMENT TO FAIL. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.	NONCONFORMANCE CORRECTIVE ACTION ELECTRICAL SUPPORTS ELECT

3 CONCERNS FOR CATEGORY EN SUBCATEGORY 22800



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RHM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 22900 I&C DESIGN

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
IN -85-143-003 T50236	EN	22900	N	WBN	N N Y Y
IN -85-144-001 T50115	EN	22900	N	WBN	N N Y Y
IN -85-197-002 T50155	EN	22900	N	WBN	N N Y Y
IN -85-348-002 T50023	EN	22900	N	WBN	N N Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R

CONCERN  
 DESCRIPTION

NS THERE ARE CONTAMINATED INSTRUMENT DRAIN LINES GOING INTO OPEN DRAINS IN THE RACEWAY OF BOTH REACTOR BUILDINGS. CONSTRUCTION DEPARTMENT CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.

NS CI DOES NOT FEEL THERE IS ENOUGH RADIATION DETECTION EQUIPMENT IN THE PLANT; SPECIFICALLY, ON THE RADIOACTIVE PROCESS PIPING SYSTEMS (CI DID NOT SPECIFY SYSTEM #'S) IN UNIT 1 AND IN THE SHIELD BUILDING VENT STACK FOR UNIT 1. CI FEELS UNIT 1 SHIELD BUILDING VENT STACK NEEDS MORE RADIATION MONITORING EQUIPMENT TO MEET FEDERAL GUIDELINES. CONSTRUCTION DEPARTMENT CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.

NS INSTRUMENT DRAIN LINES (CLOSED SYSTEM) COMING OFF INSTRUMENT RACKS IN REACTOR BUILDING UNIT 1 RACEWAY AREA ARE CONNECTED TO OPEN FLOOR DRAINS THAT ARE VENTED TO ATMOSPHERE INSIDE R.B.#1. CI IS CONCERNED THAT DUE TO HIGH OPERATING TEMPERATURE INSIDE R.B. DURING OPERATION THAT THE RADIOACTIVE WATER COMING FROM INSTRUMENT PANELS WILL EVAPORATE CAUSING AIRBORNE CONTAMINATION TO PEOPLE WORKING IN OR IN THIS AREA. CONSTR. DEPT. CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.

NS CONTROL AIR SYSTEM DOES NOT APPEAR TO HAVE SUFFICIENT VOLUME TO ASSURE FUNCTIONALITY IF THE SYSTEM SHOULD EXPERIENCE A GUILLOTINE AIR LINE BREAK. INDIVIDUAL SPECIFICALLY REQUESTED A DESCRIPTION OF THE MAXIMUM SYSTEM VOLUME AVAILABLE AND OF APPROPRIATE BACKUP SYSTEMS. CONCERN APPLIES TO UNITS 1&2

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

HEALTH PHYSICS  
 TAGGING  
 INSTRUMENTATION  
 INSTRUMENT/MECH

DESIGN PROCESS  
 STANDARDS  
 ENGINEERING  
 RADIATION PROTECTN

DESIGN REVIEW  
 INSTALLATION  
 INSTRUMENTATION  
 TUBING

DESIGN PROCESS  
 SPECIFICATIONS  
 HVAC  
 EQUIPMENT

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 22900 I&C DESIGN

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-348-003 T50023	EN	22900	N WBN	N N Y Y		NS	UNIT #1, ELEV 713' PIPE CHASE, SYSTE M 43 WATER QUALITY MONITORING - HAS THE POTENTIAL TO CONTAIN RADIOACTIVE LY CONTAMINATED WATER UNDER POSTULAT ED ACCIDENT CONDITIONS. SYSTEM DOES NOT CONTAIN ISOLATION/DRAIN VALVES FOR CONTROLLED DRAINING OF EFFLUENT UNDER ROUTINE/EMERGENCY MAINTENANCE CONDITIONS.	DESIGN PROCESS HEALTH PHYSICS PIPING VALVES
IN -85-952-001 T50103	EN	22900	N WBN	N N Y Y		NS	HOT SYSTEMS, SYTEM 62, 64 AND 68, IN STRUMENT PANELS IN UNIT 1, REATOR BL DG., RACEWAY AREA, DRAIN INTO OPEN F LOOR DRAINS. CI FEELS THESE PANELS SHOULD DRAW INTO CLOSED (CONTAINED) DRAIN SYSTEM. CI HAS NO FURTHER INF ORMATION. NO FOLLOW UP REQUIRED.	DESIGN RELATED NONCONFORMANCE SYSTEMS
NS -85-004-001 T50124	EN	22900	N WBN	N N Y Y	I-85-525-WBN	SS	ORIFICE PLATES INSTALLED IN MANY PLA NT SYSTEMS, BOTH UNITS 1 AND 2 (WATT S BAR) HAVE INCORRECT HOLE SIZE WHIC H WILL RESULT IN FALSE FLOW READING. THIS SAME CONDITION MAY EXIST AT S EQUOYAH. NO FURTHER INFORMATION AVA ILABLE. NO FOLLOW UP REQUIRED.	NONCONFORMANCE CORRECTIVE ACTION SYSTEMS MATERIAL
PH -85-022-001 T50050	EN	22900	N WBN	N N Y N	I-85-525-WBN	SS	ORIFICE PLATES RECEIVED UNDER CONTRA CT #83520-1 TO MERIAM INSTRUMENT CO. ARE IN ERROR BECAUSE THE BORE SIZES WERE NOT CALCULATED USING A FLOW CO EFFICIENT BASED ON REYNOLDS NUMBER. (REFER TO L.K. SPINK, 9TH EDITION, FOXBORE CO.) IE: MERIAM INSTRUMENT CO. USED THE PLANT EQUATION VS PRECI SE EQUATION WHEN CALCULATION THE ORI FICE PLATES BORE SIZES ON CONTRACT # 83520-1. THESE ORIFICE PLATES HAVE BEEN INSTALLED IN MANY SYSTEMS IN BO TH UNITS 1 & 2. SUPPORTING DOCUMENT ATION IS IN	NONCONFORMANCE INSTALLATION CONSTRUCTION FITTINGS
XX -85-127-001 T50216	EN	22900	N SQN	Y Y N Y		NS	SEQUOYAH - "HOT" PANEL DRAINS ARE RO UTED INTO THE FLOOR DRAINS INSTEAD O F CLOSED TANKS. CONSTRUCTION DEPT. CONCERN. CI HAS NO FURTHER INFORMAT ION.	NONCONFORMANCE CORRECTIVE ACTION PIPING PIPE

9 CONCERNS FOR CATEGORY EN SUBCATEGORY 22900

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 23000 HVAC DESIGN

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-821-003 T50199	EN	23000	N WBN	Y Y Y N		SS	MANY HVAC DUCT SYSTEMS AND DUCT SUPP ORTS ARE INADEQUATELY DESIGNED. SOM E REQUIRING 100% TIGHTNESS ARE DESI GNED WITH MECHANICAL JOINTS, THEREBY , REQUIRING EXCESSIVE AMOUNTS OF RTV GLUE TO SEAL. SOME HVAC SUPPORTS A RE BUILT EXCESSIVELY HEAVY TO ACTUAL FIELD USE. LOCATED IN CONTROL BUIL DING, REACTOR BUILDINGS 1 & 2. CONS TRUCTION DEPT. CONCERN. CI HAS NO A DDITIONAL INFORMATION.	DESIGN REVIEW DESIGN RELATED HVAC DUCT WORK

1 CONCERNS FOR CATEGORY EN SUBCATEGORY 23000

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 23100 FIRE PROTECTION DESIGN

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
TAK-86-006	EN	23100	N	SQN	Y Y Y Y		SS	VITAL BATTERY ROOM RESISTANCE HEATER S IN ROOMS COULD BE A POTENTIAL IGNI TION SOURCE IN THE EVENT AN EXHAUST FAN FAILURE ALLOWS ACCUMULATION OF C OMBUSTIBLE GASES GENERATED DURING CH ARGING.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

1 CONCERNS FOR CATEGORY EN SUBCATEGORY 23100

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 23200 PIPING AND VALVES DESIGN

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
EX -85-089-002 T50192	EN	23200	N WBN	Y Y Y Y		NS	CI FEELS THAT IMPROPER INSULATION MATERIALS WERE INSTALLED IN MANY ASPECTS OF WBNP CONSTRUCTION. CI EXPRESSED THAT MOST OF THE INSULATION INSTALLED WAS "SOFT" INSULATION ("ROCK WOOL"), COVERED BY A METAL SHEATH. CI STATED THAT THIS TYPE OF INSULATION IS EASILY DAMAGED, AND IS SUBJECT TO DETERIORATION DUE TO VIBRATION OVER LONG PERIODS OF TIME. CI EXPRESSED THAT A "HARDER" TYPE OF INSULATION SHOULD HAVE BEEN USED. NUC. POWER DEPT. CONCERN. CI HAS NO FURTHER INFORMATION.	NONCONFORMANCE CORRECTIVE ACTION CONSTRUCTION INSULATION
IN -85-021-006 T50217	EN	23200	N WBN	N N Y Y		NS	THE FLOOR DRAIN PIPING IS CARBON STEEL AND SHOULD BE STAINLESS STEEL IN REACTOR BLDGS. 1 AND 2. CONSTRUCTION DEPT. CONCERN. CI HAS NO FURTHER INFORMATION.	NONCONFORMANCE CORRECTIVE ACTION PIPING PIPE
IN -85-339-005 T50039	EN	23200	N WBN	N N Y Y		NS	WBNP, UNIT #2, EGT PIPING IS GENERICALLY INSTALLED TOO CLOSE TO WALL TO PERMIT ADEQUATE ACCESS FOR WELDING. WELDS SHOULD BE WELDED/INSPECTED FROM INSIDE OF PIPE TO ASSURE ADEQUACY	WELDING DESIGN RELATED WELDING PIPE
IN -85-400-002 T50018	EN	23200	N WBN	Y Y Y Y		NS	RUBBER GASKETS USED IN THE ERCW, ROW, AND OTHER UNSPECIFIED SYSTEMS, EXHIBIT DETERIORATION OVER SHORT PERIODS OF TIME; WHICH COULD ADVERSELY IMPACT PLANT NUCLEAR SAFETY DUE TO GASKET FAILURE. NO FURTHER SPECIFICS OR OTHER DETAILS ARE AVAILABLE.	DESIGN REVIEW PROCUREMENT PIPING FITTINGS
XX -85-127-002 T50217	EN	23200	N SQN	N N Y Y	I-85-921-SQN	SS	SEQUOYAH - FLOOR DRAIN PIPING IS CARBON STEEL AND IT SHOULD BE STAINLESS STEEL, REACTOR BLDG. CONSTRUCTION DEPT. CONCERN. CI HAS NO FURTHER INFORMATION.	NONCONFORMANCE CORRECTIVE ACTION PIPING PIPE

5 CONCERNS FOR CATEGORY EN SUBCATEGORY 23200

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 23500 ELECTRICAL SAFETY DESIGN

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-064-002 T50008	EN	23500	N	WBN	Y Y Y N	I-85-115-WBN	NS	480 V SHUTDOWN BOARDS (EL 757 A 2 R & A 14 T) FEEDERS TO BUS BAR COMPART- MENTS, THE CABINETS ARE OPEN ON TOP WHERE THE CONDUITS ENTER THE MCC

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

DESIGN PROCESS  
 INSTALLATION  
 ELECTRICAL  
 FIRE PROTECTION

1 CONCERNS FOR CATEGORY EN SUBCATEGORY 23500

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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SUBCATEGORY: 23700 ELECTRICAL PROTECTION DESIGN

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-332-001 T50091	EN	23700	N WBN	Y Y Y Y		NS	LIMITORQUE VALVE OPERATORS ARE FUSED WITHOUT ENOUGH MARGIN TO PROVIDE FOR EMERGENCY OPERATION. THEY ARE FUSED TO PROTECT MOTOR, NOT THE CIRCUIT. EXAMPLE: ERCW VALVES IN 5TH DIESEL GENERATOR BLDG. ARE FUSED AT 5.2 AMPS WHILE RUNNING CURRENT IS 4 AMPS. GENERIC TO BOTH UNITS.
MAS-86-004	EN	23700	N SQN	N N N N		SS	POTENTIAL EQUIPMENT DAMAGE AS A RESULT OF STATION OVER VOLTAGE
XX -85-020-001 T50153	EN	23700	N SQN	N N N N	I-85-612-SQN	SS	AN ECN #5971 WAS ISSUED AT SEQUOYAH IN 1979 THAT REQUIRED A BYPASS OF THE OVER-TORQUE LIMIT SWITCHES ON CERTAIN LIMITORQUE OPERATORS. IT WAS RECENTLY DISCOVERED (3-4 MONTHS AGO) THAT THIS HAD NOT BEEN ACCOMPLISHED FOR SIS VALVE #332 AND 333. CI IS CONCERNED ABOUT ECN'S APPLICABILITY TO WBNP. CONCERN IS IN CONSTRUCTION DEPT. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.
XX -85-122-024 T50214	EN	23700	N SQN	Y Y N Y	I-85-168-SQN	SS	SEQUOYAH: THERMAL OVERLOAD BYPASS AND INDICATION PROBLEMS INVOLVING REG. GUIDE 1.97. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.
XX -85-122-026 T50215	EN	23700	N BFN	N Y Y Y	I-85-773-BFN	SS	BROWN'S FERRY: THERMAL OVERLOAD BYPASS AND INDICATION PROBLEMS INVOLVING REG. GUIDE 1.97. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

DESIGN PROCESS  
 SPECIFICATIONS  
 ELECTRICAL  
 MOTORS

DESIGN CHANGES  
 CORRECTIVE ACTION  
 PIPING  
 MOTORS

STANDARDS  
 NONCONFORMANCE  
 ELECTRICAL  
 GENERAL

STANDARDS  
 NONCONFORMANCE  
 ELECTRICAL  
 GENERAL

5 CONCERNS FOR CATEGORY EN SUBCATEGORY 23700

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS + RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: EN DES PROCESS &amp; OUTPUT

SUBCATEGORY: 23800 RACEWAY OVERFILL AND CABLE PULLING

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D	SPECIFICATIONS NONCONFORMANCE ELECTRICAL CABLE	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE TRAYS	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE	DESIGN REVIEW NONCONFORMANCE ELECTRICAL CONDUIT	DESIGN REVIEW NONCONFORMANCE ELECTRICAL CABLE TRAYS
IN -85-186-003 T50017	EN	23800	N	WBN	Y Y Y Y		NS	CABLE TRAYS ARE OVER FULL IN THE SPR EADER ROOM, ELEVATION 729 IN BOTH UN ITS. OTHER CABLE TRAYS IN OTHER ARE AS MAY HAVE THE SAME PROBLEM.						
IN -85-312-001 T50188	EN	23800	N	WBN	Y Y Y Y		NS	CABLE TRAYS IN CONDUITS ARE OVERFILL ED WITH CABLE. THE CABLES COULD BE DAMAGED AND NOT DISCOVERED UNTIL IT SHORTS OUT. LOCATION 737' AUX BUILD ING AND 741' AND 749' CONTROL BUILD ING AND SPREAD ROOM. CI COULD NOT PR OVIDE ANY SPECIFIC CONDUIT OR CABLE TRAY NUMBERS. NO ADDITIONAL INFORMA TION AVAILABLE. CONSTRUCTION CONCER N. UNIT 1 & 2.						
IN -85-367-001 T50096	EN	23800	N	WBN	Y Y Y Y		SS	CABLE IN CONDUIT DAMAGED BY CABLE PU LLING PRACTICES. (1) CONDUITS ARE O VER-FILLED (EG 1" CONDUIT IN CEILING OF NORTH FAN ROOM. UNIT 2 - THIS WA S RUN LATE DEC. '84, AND 2" CONDUIT BEHIND NEARBY SECURITY OFFICE). (2) FISH TAPES CAN DAMAGE CONDUIT, ESPE CIALLY WHEN THEY GET STUCK (EG ACCUM ULATOR ROOM #4, UNIT 2 JUNCTION BOX #1922A, -2" CONDUIT OUT OF BOTTOM - #2VC1201A. TOOK 3 DAYS TO GET FISH TAPE PARTWAY IN, UN-STUCK, AND CABLE S RE-PULLED.) (3) NYLON CORD "PARAC HUTE" CAN CUT CABLE INSULATION (						
IN -85-432-001 T50041	EN	23800	N	WBN	Y Y Y Y		SS	OVERFILL OF CABLES IN CONDUITS IN AU X. CONTROL BUILDING ELEV. 757 AND R EACTOR BUILDING.						
IN -85-432-002 T50041	EN	23800	N	WBN	Y Y Y Y		NS	OVER-FILLED CABLE TRAYS. TRAYS FILL ED TO THE MAXIMUM, COVERS CANNOT BE INSTALLED. CONTROL BUILDING & REACT OR BUILDING.						



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 23800 RACEWAY OVERFILL AND CABLE PULLING

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CATEGORY: EN DES PROCESS & OUTPUT

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-506-001 T50044	EN	23800	N	WBN	Y Y Y Y		SS	A RECENT CABLE PULL (DATE KNOWN) WAS ACCOMPLISHED ON A CONDUIT WHICH WAS OVERFILLED TO THE POINT THAT THE 1/8" "FISHSNAKE" WHICH GUIDES THE CABLE COULD BARELY BE INSERTED. CI EXPRESSED THAT THE CONDUIT IS 100% + FULL AS A RESULT OF THIS CABLE PULL. LOCATION GIVEN WAS 708' ELEVATION, RUNNING FROM THE CONTROL ROOM TO THE UNIT 2 ANNULUS AREA, THEN INTO A PENETRATION. OTHER DETAILS ARE KNOWN (FOREMAN'S NAME).	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
IN -85-622-001 T50060	EN	23800	N	WBN	Y Y Y Y		SS	CONDUIT OVERFILLED BEYOND SAFE CAPACITY. NO FURTHER DETAILS AVAILABLE FROM CI.	NONCONFORMANCE CONST PROCESS ELECTRICAL CONDUIT
IN -85-642-001 T50133	EN	23800	N	WBN	Y Y Y Y		NS	CONDUIT IS 98% FULL OF CABLE AND MORE CABLE IS TO BE INSTALLED. REACTOR #2, RACEWAY, 713' ELEV. A2 20 DEGREES AND PIPE NO. 2VC2580A. CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION.	DESIGN PROCESS DESIGN CHANGES ELECTRICAL CABLE
IN -85-685-001 T50068	EN	23800	N	WBN	Y Y Y Y		SS	CONDUITS ARE GENERICALLY OVERFILLED BEYOND ACCEPTABLE LIMITS. NO FURTHER DETAILS AVAILABLE. NO FOLLOW-UP REQUIRED.	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
IN -85-688-001 T50080	EN	23800	N	WBN	Y Y Y Y		NS	PLANT PROCEDURES CONTAIN NO REQUIREMENT PROHIBITING OVERFILL OF CABLE TRAYS IN SAFETY RELATED INSTALLATION. INSTANCES WHERE SAFETY RELATED OVERFILLS HAVE OCCURRED WERE NOT PROVIDED. NAMES AND OTHER DETAILS ARE KNOWN TO QTC. NO FURTHER DETAILS AVAILABLE FROM CI.	PROCEDURES NONCONFORMANCE ELECTRICAL CABLE TRAYS
IN -85-734-001 T50069	EN	23800	N	WBN	Y Y Y Y		NS	CONDUITS/CABLE TRAYS/PENETRATIONS IN UNITS 1 & 2 ARE GENERICALLY OVERFILLED/OVERLOADED. NO LOCATIONS/SPECIFICS PROVIDED. NO FOLLOW-UP REQUIRED	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE TRAYS

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

CATEGORY: EN DES PROCESS & OUTPUT

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CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
IN -85-743-008 T50076	EN	23800	N	WBN	Y Y Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
S  
R  
CONCERN  
DESCRIPTION

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 CONDUIT

SS CONDUITS ARE GENERICALLY OVERFILLED AND ADDITIONAL CABLES ARE ROUTINELY SCHEDULED TO BE ADDED TO THE CONDUIT S. THIS CAUSES SIGNIFICANT EXPENDITURES OF MANHOURS IN ATTEMPTING TO PULL CABLE WHERE THERE IS NO MORE ROOM AVAILABLE. NO MORE FURTHER DETAILS

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 CABLE TRAYS

NS CABLE TRAY IN AUXILIARY BUILDING, ELEVATION 713' LOCATED AT THE T4 AND "R" LINE, IS TOO FULL. 5-6 CABLES ARE HANGING LOOSE, BUT THE TRAY IS BEING LOADED WITH MORE CABLES. CONSTR. DEPT. CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.

NONCONFORMANCE  
 STANDARDS  
 ELECTRICAL  
 CABLE TRAYS

NS OVERLOADED CABLE TRAY PENETRATION ELEV. 729' TURBINE BUILDING AND CONTROL BUILDING ELEV. 737' AUX. BUILDING AND CONTROL BUILDING 741', CONDUIT BEING FILLED BEYOND NATIONAL ELEC. CODE ALLOWANCE. POSSIBLE DAMAGE TO CABLES THAT OTHER CABLES ARE BEING DRAGGED OVER.

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 CABLE TRAYS

NS CONDUIT AND CABLE TRAYS ARE TOO FULL UNIT #1 AND #2. NO MORE INFORMATION AVAILABLE. NO FOLLOW UP REQUIRED.

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 CABLE TRAYS

NS ELECTRICAL CABLE TRAY PENETRATIONS ARE FULL AND CABLE IS STILL BEING PULLED THROUGH THESE PENETRATIONS LOCATED IN CONTROL BUILDING, Q LINE AND N LINE WALL, AND AUXILIARY BUILDING FLOOR ELEV. 757 TO 737. C/I IS CONCERNED ABOUT POSSIBLE DAMAGE TO CABLES IN THESE PENETRATIONS RESULTING FROM THE CABLE PULLS. C/I DOES NOT KNOW PENETRATION OR CABLE NUMBERS.

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 CABLE

NS AUX. BLDG. UNIT 2 EL. 73-CABLE PULL REQUIRED 1 WEEK TO FEED FISH TAPE THROUGH CONDUIT PRIOR TO CABLE PULL. OVERLOADING OF CONDUITS DAMAGES CABLES. CI HAS NO ADDITIONAL INFORMATION. NO FOLLOW UP REQUIRED.

IN -85-798-004 T50152	EN	23800	N	WBN	Y Y Y Y
IN -85-832-001 T50086	EN	23800	N	WBN	Y Y Y Y
IN -85-856-003 T50094	EN	23800	N	WBN	Y Y Y Y
IN -85-919-001 T50094	EN	23800	N	WBN	Y Y Y Y
IN -86-034-001 T50111	EN	23800	N	WBN	Y Y Y Y

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS -IRWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 23800 RACEWAY OVERFILL AND CABLE PULLING

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
IN -86-036-001 T50189	EN	23800	N	WBN	Y Y Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R  
 CONCERN  
 DESCRIPTION

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 CONDUIT

NS ELECTRICAL CONDUITS IN UNITS 1 & 2 ARE OVERFILLED. THIS MAY CAUSE INDUCTION/HEAT PROBLEMS. SOME CABLES MAY ALSO HAVE BEEN DAMAGED BY PULLING IN THESE TIGHT CONDITIONS, AND BY USING EXCESSIVE FORCE IN INSTALLING THE FISHTAPE IN THE CONDUITS. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. CONSTRUCTION DEPT CONCERN. CI HAS NO ADDITIONAL INFORMATION

IN -86-232-002 T50141	EN	23800	N	WBN	Y Y Y Y
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NS UNIT #1, ELEVATION 755', CONTROL ROOM. DUE TO OVERFILLING OF CABLE TRAYS WITH CABLE, THE PENETRATION SEALS MAY NOT BE ABLE TO PASS A PRESSURE TEST. THE RTV SILICONE SEAL FOAM WAS ALMOST (IN MANY INSTANCES) IMPOSSIBLE TO APPLY DUE TO THE NUMBER OF CABLES IN THE PENETRATION. CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION.

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 PENETRATION

IN -86-238-003 T50141	EN	23800	N	WBN	Y Y Y Y
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SS MANY CABLE TRAYS, UNIT 1 & 2, ARE TOO FULL OF CABLES. CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION.

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 CABLE TRAYS

IN -86-266-003 T50255	EN	23800	N	WBN	Y Y Y Y
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SS MANY ELECTRICAL CONDUITS ARE EXCESSIVELY LOADED WITH CABLES. (E.G., ARE IN REACTOR BUILDING UNIT NO. 2, AZIMUTH 190, ELEVATION 735' PENETRATION NO. 29). NO ADDITIONAL INFORMATION AVAILABLE IN FILE. CONSTRUCTION DEPARTMENT CONCERN.

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 CONDUIT

OW -85-007-002 T50224	EN	23800	N	WBN	Y Y Y Y
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NS ELECTRICAL CABLE IN TRAYS RUNS COMPLETELY OUTSIDE OF THE TRAYS, ESPECIALLY IN BENDS. MANY CABLE TRAYS ARE GROSSLY OVER CAPACITY. THESE CONDITIONS WORK AGAINST THE CABLE TRAYS' PURPOSE OF SUPPORTING AND PROTECTING THE CABLE. TYPICAL TRAYS ARE IN AUX BLDG. 737' EL, ABOVE HEAT EXCHANGERS. CI HAS NO FURTHER INFORMATION. CONSTRUCTION DEPARTMENT CONCERN. NO FOLLOW UP REQUIRED.

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 CABLE

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
PH -85-003-023 T50106	EN	23800	N WBN	Y Y Y Y		SS	THE CABLE TRAYS ARE OVER-FILLED PLAN T WIDE. CI HAS NO MORE INFORMATION NO FOLLOW UP REQUIRED
WI -85-100-011 T50211	EN	23800	N WBN	Y Y Y Y		NS	CABLE TRAY FILL CRITERIA OF 60% FOR I&C CABLES IS INADEQUATE. THE NATIO NAL ELECTRICAL CODE ALLOWS 40%, AND 50% FILL ON AN EXCEPTION BASIS. TVA VIOLATES THIS CODE. THIS INDUSTRY PRACTICE IS 40% FILL. THIS SITUATIO N IS MADE EVEN WORSE WITH THE ADDITI ON OF SPRAY-ON FIRE RETARDANT MATERI ALS WHICH TAKE UP SPACE IN TRAYS. C I HAS NO ADDITIONAL INFORMATION. AN ONYMOUS CONCERN VIA LETTER.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 CABLE TRAYS

NONCONFORMANCE  
 CORRECTIVE ACTION  
 ELECTRICAL  
 CABLE TRAYS

24 CONCERNS FOR CATEGORY EN SUBCATEGORY 23800

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 24000 CABLE AMPACITY

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CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-122-027 T50215	EN	24000	N SQN	N N N N	I-85-766-SQN	SS	SEQUOYAH: CABLE AMPACITY PROBLEMS WHERE CABLE DERATING WAS NOT PROPERLY CONSIDERED: CI HAS NO ADDITIONAL INFORMATION. ANONYMOUS CONCERN VIA LETTER.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 CABLE

1 CONCERNS FOR CATEGORY EN SUBCATEGORY 24000

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 24100 CABLE TERMINATIONS AND SPLICES

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CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
BMP-85-001	EN	24100	N	SQN	N N N N		SS	INSTALLATION METHOD OF AMPHENOL CONN ECTORS ON ACTUATORS OF STANDBY DIESE L GENERATOR COULD CONTRIBUTE TO UNRE LIABLE OPERATION OF THE DIESELS.
JLH-85-004	EN	24100	N	SQN	Y Y Y Y		SS	THIS CONCERN WAS NOT DOCUMENTED PER SQA166 BUT HAS BEEN INCLUDED IN THE EMPLOYEE CONCERN LOG. PIDG LUGS HAV E APPARENTLY BEEN USED FOR MAKING CR IMPS ON SOLID CONDUCTORS RESULTING I N REDUCED CURRENT CAPACITY FOR CSSC FIRE DAMPERS.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

2 CONCERNS FOR CATEGORY EN SUBCATEGORY 24100

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS &amp; OUTPUT

SUBCATEGORY: 24200 ELECTRICAL SEPARATION

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
WI -85-100-004 T50211	EN	24200	N WBN	Y Y Y Y		NS	ELECTRICAL SEPARATION AND PHYSICAL SEPARATION OF REDUNDANT WIRING AND CABLING AND FOR EQUIPMENT AND COMPONENTS ARE INADEQUATE AT ALL PLANTS. CI EXPRESSED THAT DETAILED REVIEWS NEED TO BE MADE, AND ARE SO EXTENSIVE THAT A CONSULTANT PROBABLY SHOULD BE USED, PROVIDING INDEPENDENCE FROM TVA. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
XX -85-122-011 T50214	EN	24200	N SQN	Y Y N Y	I-85-133-SQN	SS	SEQUOYAH: ELECTRICAL SEPARATION AND PHYSICAL SEPARATION OF REDUNDANT WIRING AND CABLING AND FOR EQUIPMENT AND COMPONENTS ARE INADEQUATE AT ALL PLANTS. CI EXPRESSED THAT DETAILED REVIEWS NEED TO BE MADE, AND ARE SO EXTENSIVE THAT A CONSULTANT PROBABLY SHOULD BE USED, PROVIDING INDEPENDENCE FROM TVA. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
XX -85-122-012 T50214	EN	24200	N BLN	Y Y Y Y	I-85-121-BLN	NS	BELLEFONTE: ELECTRICAL SEPARATION AND PHYSICAL SEPARATION OF REDUNDANT WIRING AND CABLING AND FOR EQUIPMENT AND COMPONENTS ARE INADEQUATE AT ALL PLANTS. CI EXPRESSED THAT DETAILED REVIEWS NEED TO BE MADE, AND ARE SO EXTENSIVE THAT A CONSULTANT PROBABLY SHOULD BE USED, PROVIDING INDEPENDENCE FROM TVA. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE
XX -85-122-013 T50214	EN	24200	N BFN	Y Y Y Y	I-85-149-BFN	NS	BROWN'S FERRY: ELECTRICAL SEPARATION AND PHYSICAL SEPARATION OF REDUNDANT WIRING AND CABLING AND FOR EQUIPMENT AND COMPONENTS ARE INADEQUATE AT ALL PLANTS. CI EXPRESSED THAT DETAILED REVIEWS NEED TO BE MADE, AND ARE SO EXTENSIVE THAT A CONSULTANT PROBABLY SHOULD BE USED, PROVIDING INDEPENDENCE FROM TVA. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.	NONCONFORMANCE CONST PROCESS ELECTRICAL CABLE

4 CONCERNS FOR CATEGORY EN SUBCATEGORY 24200

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS &amp; OUTPUT

SUBCATEGORY: 24300 DIESEL DESIGN MARGIN

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D	NONCONFORMANCE CORRECTIVE ACTION GENERAL EQUIPMENT
WI -85-100-002 T50211	EN	24300	S	WBN	Y Y Y Y		NS	DIESEL GENERATOR MARGINS ARE INADEQUATE. TVA HAS ADDED DGS TO BROWNS FERRY, SEQUOYAH AND WATTS BAR. EACH TIME A QUESTION IS RAISED, TVA MUST CONDUCT ANOTHER STUDY. TVA ADDS DIESEL GENERATORS WITHOUT UPGRADING LICENSING DOCUMENTS. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.		
XX -85-122-006 T50214	EN	24300	S	SQN	Y Y N Y	I-85-173-SQN	SS	SEQUOYAH: DIESEL GENERATOR MARGINS ARE INADEQUATE. TVA HAS ADDED DGS TO BROWNS FERRY, SEQUOYAH AND WATTS BAR. EACH TIME A QUESTION IS RAISED, TVA MUST CONDUCT ANOTHER STUDY. TVA ADDS DIESEL GENERATORS WITHOUT UPGRADING LICENSING DOCUMENTS. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.		
XX -85-122-030 T50215	EN	24300	S	SQN	Y Y Y Y	I-85-992-SQN	SS	SEQUOYAH: INADEQUATE MANAGEMENT, CONTROL AND STATUS LISTING OF A.C. AND D.C. ELECTRICAL LOADS, INCLUDING DIESEL GENERATOR LOADS. THIS INVOLVES INADEQUATE CONTROL OF OR PREPARATION OF CALCULATIONS FOR LOADS, AND INADEQUATE MANAGEMENT AND CONTROL OF LOAD MARGINS, INCLUDING ELECTRICAL LOADS AND MECHANICAL LOADS (HEAT, BHP, ETC) THAT TRANSLATE INTO ELECTRICAL LOADS. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.		
XX -85-122-031 T50215	EN	24300	S	BLN	Y Y Y Y	I-85-977-BLN	NS	BELLEFONTE: INADEQUATE MANAGEMENT, CONTROL AND STATUS LISTING OF A.C. AND D.C. ELECTRICAL LOADS, INCLUDING DIESEL GENERATOR LOADS. THIS INVOLVES INADEQUATE CONTROL OF OR PREPARATION OF CALCULATIONS FOR LOADS, AND INADEQUATE MANAGEMENT AND CONTROL OF LOAD MARGINS, INCLUDING ELECTRICAL LOADS AND MECHANICAL LOADS (HEAT, BHP, ETC) THAT TRANSLATE INTO ELECTRICAL LOADS. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.		



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 24300 DIESEL DESIGN MARGIN

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-122-032 T50215	EN	24300	S	BFN	Y Y Y Y	I-85-978-BFN	NS	BROWN'S FERRY: INADEQUATE MANAGEMENT, CONTROL AND STATUS LISTING OF A.C. AND D.C. ELECTRICAL LOADS, INCLUDING DIESEL GENERATOR LOADS. THIS INVOLVES INADEQUATE CONTROL OF OR PREPARATION OF CALCULATIONS FOR LOADS, AND INADEQUATE MANAGEMENT AND CONTROL OF LOAD MARGINS, INCLUDING ELECTRICAL LOADS AND MECHANICAL LOADS (HEAT, BP, ETC) THAT TRANSLATE INTO ELECTRICAL LOADS. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CORRECTIVE ACTION  
 ELECTRICAL  
 GENERAL

5 CONCERNS FOR CATEGORY EN SUBCATEGORY 24300

REFERENCE - ECPS111J-ECPS111C  
FREQUENCY - REQUEST  
ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
OFFICE OF NUCLEAR POWER  
EMPLOYEE CONCERN PROGRAM SYSTEM (ECPS)  
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CATEGORY: EN DES PROCESS & OUTPUT

SUBCATEGORY: 24300 DIESEL DESIGN MARGIN

CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
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KEYWORD A  
KEYWORD B  
KEYWORD C  
KEYWORD D

124 CONCERNS FOR CATEGORY EN

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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 RUN DATE - 08/18/86

CATEGORY: MC ADEQUACY OF MATERIAL

SUBCATEGORY: 40200 PURCHASING & REQUISITIONING

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
EX -85-181-001 T50225	MC	40200	S	WBN	Y Y Y Y		NS	ON VALVE INSPECTIONS (TEST 70), QC VE RIFIES THE PROPER VALVE BY THE MARK NUMBER TAG WHICH IS INSTALLED BY THE WAREHOUSE OR VENDOR AND IS OFTEN JU ST A PAPER OR METAL TAG WHICH CAN BE REMOVED OR REPLACED BY ANYONE. IF THE VALVE HAS BEEN SUBSTITUTED FROM WHAT THE DRAWING LISTS, THE BILL OF MATERIALS DOES NOT PROPERLY REFLECT THE CHANGE. NO PAPERWORK IS PROVIDE D TO WATTS BAR ENGINEERING TO DOCUME NT THAT IT IS AN ACCEPTABLE REPLACEM ENT. MANY SUBSTITUTES HAVE COME IN FROM HARTSVILLE, PHIPPS BEND, YE	INSPECTION TAGGING VENDOR VALVES
IN -85-463-008 T50036	MC	40200	N	WBN	N N Y Y		SS	UNIT #2, SYSTEM 30, TVA IDENTIFIERS: 2-PDT-30-42 2-PDT-30-43 2-PDT-30-4 4 2-PDT-30-45 THESE INSTRUMENT TRANS MITTERS (WESTINGHOUSE) WERE SENT TO SEQUOYAH AND DOCUMENTATION GENERATED TO REFLECT THIS (INCLUDING DWGS) HA VE NOT BEEN DONE.	TRACEABILITY RECORDS INSTRUMENTATION DEVICES
IN -85-964-003 T50177	MC	40200	N	WBN	Y Y Y Y	I-85-720-WBN	SS	MATERIAL/EQUIPMENT IS ORDERED DEDICA TED TO A SPECIFIC SYSTEM, UNIT, ETC. , BUT IS FREQUENTLY INSTALLED/USED E LSEWHERE AND IT IS UNKNOWN IF DOCUME NTATION IS REVISED TO REFLECT THIS C ANNIBALIZATION. CI HAS NO FURTHER I NFORMATION.	TRACEABILITY RECORDS CONSTRUCTION MATERIAL
WI -85-053-011 T50134	MC	40200	N	WBN	Y Y Y Y		NS	MATERIALS ARE RECEIVED AT WBNP FROM OTHER TVA SITES WITH COMPLETE DOCUME NTATION, HOWEVER, THESE OTHER SITES ARE NOT ON THE WBNP VENDOR LIST. TH IS WAS ALSO FOUND DURING THE JUNE 19 85 ASME SURVEY. DETAILS KNOWN TO QT C, WITHHELD DUE TO CONFIDENTIALITY. CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.	SUPPLIER PROCUREMENT CONSTRUCTION MATERIAL

4 CONCERNS FOR CATEGORY MC SUBCATEGORY 40200

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: MC ADEQUACY OF MATERIAL

SUBCATEGORY: 40300 INSTALLATION (USE)

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
EX -85-181-001 T50225	MC	40300	S WBN	Y Y Y Y		NS	ON VALVE INSPECTIONS (TEST 70), QC VERIFIES THE PROPER VALVE BY THE MARK NUMBER TAG WHICH IS INSTALLED BY THE WAREHOUSE OR VENDOR AND IS OFTEN JUST A PAPER OR METAL TAG WHICH CAN BE REMOVED OR REPLACED BY ANYONE. IF THE VALVE HAS BEEN SUBSTITUTED FROM WHAT THE DRAWING LISTS, THE BILL OF MATERIALS DOES NOT PROPERLY REFLECT THE CHANGE. NO PAPERWORK IS PROVIDED TO WATTS BAR ENGINEERING TO DOCUMENT THAT IT IS AN ACCEPTABLE REPLACEMENT. MANY SUBSTITUTES HAVE COME IN FROM HARTSVILLE, PHIPPS BEND, YE
SQP-85-004-003 T50229	MC	40300	N SQN	Y Y N Y	I-86-164-SQN	NS	SEQUOYAH: NEW MATERIAL HAS BEEN ORDERED SCRAPPED BY A SUPERVISOR AND LATER RETRIEVED BY A DIFFERENT GROUP. THIS COULD REPRESENT A LACK OF CONTROL REGARDING SCRAPPED MATERIAL. NAMES/DETAILS KNOWN TO QTC AND WITHHELD TO MAINTAIN CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

INSPECTION  
 TAGGING  
 VENDOR  
 VALVES

TRACEABILITY  
 INSTALLATION  
 GENERAL  
 MATERIAL

2 CONCERNS FOR CATEGORY MC SUBCATEGORY 40300

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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CATEGORY: MC ADEQUACY OF MATERIAL

SUBCATEGORY: 40400 STORAGE & HANDLING

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-122-045 T50215	MC	40400	N	SQN	Y Y N Y	I-85-990-SQN	SS	SEQUOYAH: HANDLING OF EQUIPMENT IN S TORAGE AND DURING AND AFTER CONSTRUC TION IS POOR. EQUIPMENT IN MANY CAS ES IS IN POOR CONDITION AND FILTHY D IRTY INSIDE AND OUTSIDE. ENVIRONMEN TS AND FIRE PROTECTION FOR STORAGE I S INADEQUATE. CI HAS NO FURTHER INF ORMATION. ANONYMOUS CONCERN VIA LET TER.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

STORAGE  
 NONCONFORMANCE  
 CONSTRUCTION  
 EQUIPMENT

1 CONCERNS FOR CATEGORY MC SUBCATEGORY 40400

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: MC ADEQUACY OF MATERIAL

SUBCATEGORY: 40500 MATERIAL IDENTIFICATION

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
EX -85-181-001 T50225	MC	40500	S WBN	Y Y Y Y		NS	ON VALVE INSPECTIONS (TEST 70), QC VE RIFIES THE PROPER VALVE BY THE MARK NUMBER TAG WHICH IS INSTALLED BY THE WAREHOUSE OR VENDOR AND IS OFTEN JU ST A PAPER OR METAL TAG WHICH CAN BE REMOVED OR REPLACED BY ANYONE. IF THE VALVE HAS BEEN SUBSTITUTED FROM WHAT THE DRAWING LISTS, THE BILL OF MATERIALS DOES NOT PROPERLY REFLECT THE CHANGE. NO PAPERWORK IS PROVIDE D TO WATTS BAR ENGINEERING TO DOCUM NT THAT IT IS AN ACCEPTABLE REPLACEM ENT. MANY SUBSTITUTES HAVE COME IN FROM HARTSVILLE, PHIPPS BEND, YE	INSPECTION TAGGING VENDOR VALVES
IN -85-388-004 T50015	MC	40500	N WBN	Y Y Y Y	I-85-146-WBN	NS	QA LEVEL 1 & 2 MATERIALS RECEIVED TH E SAME TREATMENT UP TO 4-5 YEARS AGO , THEN THE HEAT NUMBER OMITTED FROM LEVEL 2. NO TRACEABILITY WHEN REQU ISITIONED OUT. UNIT 1 & 2.	RELEASE TRACEABILITY QUALITY MATERIAL
IN -85-441-001 T50040	MC	40500	N WBN	Y Y Y Y	I-85-373-WBN	NS	HEAT NUMBER AND OTHER DATA ARE NOT S CRIBED ON TUBE STEEL (HANGERS). THE ATTACHED TAG HAS HEAT NUMBER ONLY W RITTEN ON IT. UNITS #1 & 2, ALL BLD GS WHERE THERE ARE HANGERS.	IDENTIFICATION TAGGING HANGERS STEEL
IN -85-460-002 T50035	MC	40500	N WBN	Y Y Y Y	I-85-416-WBN	NS	A36 MATERIAL IN THE MA MATERIAL STOR AGE AREA (OUTSIDE) WITH NO HEAT NUMB ERS. THE AREA IS CALLED "THE RACK" BY EMPLOYEES	TRACEABILITY STORAGE CIVIL STEEL
IN -85-667-002 T50067	MC	40500	N WBN	Y Y Y Y	I-85-416-WBN	NS	REACTOR BLDGS 1 & 2. THERE ARE NUME ROUS HVAC DUCT SUPPORTS WITH NO HEAT NUMBER THROUGHOUT THE BUILDINGS. C I HAS NO ADDITIONAL INFORMATION. CI INDICATED THAT 1 IN 3 OR SO WERE MI SSING NUMBERS.	TRACEABILITY INSTALLATION HVAC SUPPORTS
XX -85-120-003 T50191	MC	40500	N SQN	N N N N	I-85-865-SQN	SS	SEQUOYAH: HEAT NUMBERS HAVE BEEN PLA CED ON APPROX. 5 PLATES ON THE CONTA INMENT VESSEL WHEN IT WAS DISCOVERED THERE WERE NO HEAT NUMBERS ON THESE PLATES. THIS WAS DONE WITH OUT QUAL ITY'S KNOWLEDGE AND VIOLATED THE QA PROCEDURE. CI HAS NO FURTHER INFORM ATION. CONSTRUCTION DEPT. CONCERN.	PROCUREMENT TRACEABILITY OPERATIONS MATERIAL

6 CONCERNS FOR CATEGORY MC SUBCATEGORY 40500

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: MC ADEQUACY OF MATERIAL

SUBCATEGORY: 40700 PROCEDURAL CONTROL

CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B
EX -85-023-001 T50080	MC	40700	N WBN	Y Y Y Y
XX -85-027-X02 T50078	MC	40700	N SQN	Y Y N Y
XX -85-027-X04 T50056	MC	40700	N SQN	N N N N

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R

CONCERN  
 DESCRIPTION

- NS NUCLEAR POWER SHOULD UPGRADE ITS HEAT CODE PROGRAM TO CONSTRUCTION STANDARDS. THIS WOULD INCLUDE A COMPUTER PRINT OUT FOR THE TRACEABILITY OF ALL HEAT CODE ITEMS. THE CURRENT PROGRAM HAS TOO MANY HOLES IN IT. NO FURTHER DETAILS AVAILABLE.
- SS MATERIAL INSPECTORS WERE NOT ALLOWED TO VALIDATE HEAT NUMBERS OF STRUCTURAL STEEL RECEIVED ON SITE AS REQUIRED BY PROCEDURE HEAT NO. 7438383 IS AN EXAMPLE. SEQUOYAH.
- SS MATERIALS PERSONNEL NOT GIVEN AN OPPORTUNITY TO VERIFY WHETHER OR NOT DEFECTIVE MATERIAL HAD BEEN RECEIVED ON SITE FROM A CERTAIN MANUFACTURER. (NAME KNOWN) A REPORT TO KNOXVILLE THAT THE MATERIAL WAS NOT ON SITE WAS MADE WITHOUT INPUT FROM MATERIALS PERSONNEL. NO FURTHER INFORMATION IS AVAILABLE.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

TRACEABILITY  
 PROCEDURES  
 OPERATIONS  
 MATERIAL

TRACEABILITY  
 RECEIVING  
 QUALITY  
 INSPECTORS

TRACEABILITY  
 NONCONFORMANCE  
 QUALITY  
 MATERIAL

3 CONCERNS FOR CATEGORY MC SUBCATEGORY 40700

REFERENCE - ECPS111J-ECPS111C  
FREQUENCY - REQUEST  
ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
OFFICE OF NUCLEAR POWER  
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CATEGORY: MC ADEQUACY OF MATERIAL

SUBCATEGORY: 40700 PROCEDURAL CONTROL

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
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KEYWORD A  
KEYWORD B  
KEYWORD C  
KEYWORD D

16 CONCERNS FOR CATEGORY MC



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 RUN DATE - 08/18/86

CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 00000

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
EX -85-010-002 T50052	OP	00000	S	WBN	Y Y Y Y	IN-85-130-001	NS	SUBJOURNEYMEN (NAMES GIVEN) ARE PERFORMING JOURNEYMAN'S WORK TO INCLUDE (RUNNING PIPE, REBUILDING VALVES, OPERATING & POWER EQUIPMENT). FOREMAN (NAME GIVEN) SAID THAT SUBJOURNEYMEN COULD DO ANYTHING THE FOREMAN FEELS HE/SHE IS QUALIFIED TO DO.
RII-85-A-0064	OP	00000	N	SQN	N N N N		NS	THIS ALLEGATION EXPRESSED CONCERN ABOUT THE SEQUOYAH HEALTH PHYSICS PROGRAM. THE ESSENCES OF THE CONCERNS ARE PROVIDED BELOW: 1. TVA DOES NOT HAVE THE ABILITY TO RUN AN HP OPERATION. 2. AN INDIVIDUAL LOST A RADIOACTIVE SOURCE AT THE SITE AND NEVER REPORTED THE LOSS TO MANAGEMENT. 3. THE LOCATION OF RADIATION MONITORS ARE NOT AS INDICATED ON THE ASIL-3 PROCEDURE. 4. SMEARS ARE TAKEN INTO THE HEALTH PHYSICS OFFICE TO COUNT AND ARE THEN THROWN INTO THE TRASH. 5. THE SMEAR COUNTING AREA IN THE HP
RII-86-A-0022	OP	00000	N	SQN				AN ANONYMOUS ALLEGER STATED THAT OVER THE PAST YEAR (SINCE ABOUT JANUARY 1985) THE PIPING FOR ROUTING THE RAW WATER FROM THE TURBINE BUILDING SUMP AT SEQUOYAH HAS HAD A LARGE LEAK TO THE OPEN GROUND WHEN THE TURBINE BUILDING SUMP PUMPS OPERATE. THIS MATTER APPLIES TO SEQUOYAH ONLY.
RII-86-A-0095	OP	00000	N	BFN	N Y Y Y		NS	THE ALLEGER STATED THAT THERE ARE OVER 300 KEYS TO THE VARIOUS ROOMS THROUGHOUT THE BROWNS FERRY NUCLEAR PLANT WHICH CONTAIN SAFETY-RELATED EQUIPMENT. THESE KEYS ARE POORLY IDENTIFIED AND POORLY CONTROLLED. THIS POSSES A PROBLEM DURING A PLANT EMERGENCY WHEN ACCESS TO SAFETY-RELATED EQUIPMENT IS NECESSARY. ALSO, SOME AREAS ARE NOT READILY ACCESSIBLE IN FIRES OR OTHER EMERGENCIES. THIS SPECIFIC ALLEGATION APPLIES TO BROWNS FERRY ONLY, HOWEVER, IT MAY ALSO HAVE A GENERIC IMPLICATION FOR OTHER TVA

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

INSTALLATION  
 PERSONNEL FEELINGS  
 QUALITY  
 EMPLOYEES

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 00000

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
RII-86-A-0100	OP	00000	N SQN				

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

SQP-85-003-002 T50227 OP 00000 S SQN N N N N I-85-139-SQN

SS SEQUOYAH - CI EXPRESSED THAT MANAGEM  
 ENT/SUPERVISION HAVE AN ATTITUDE OF  
 "HURRY UP AND GET THE JOB DONE" IN  
 AN EFFORT TO GET THE PLANT ON LINE.  
 CI FEELS THAT PROCEDURES ARE NOT BE  
 ING FOLLOWED IN AN EFFORT TO ACCOMPL  
 ISH WORK AS QUICKLY AS POSSIBLE, AND  
 EVIDENCED THIS BY THE RADIOACTIVE W  
 ATER SPILL WHICH OCCURRED ON 12-9-85  
 , AND ADDRESSED IN THIS FILE, CONCER  
 N 001. CI HAS NO FURTHER INFORMATIO  
 N, AND IS ANONYMOUS.

NONCONFORMANCE  
 PROCEDURES  
 GENERAL  
 GENERAL

SQP-86-003-N04 OP 00000 N SQN N N N N

NS NRC IDENTIFIED THE FOLLOWING CONCERN  
 WHICH PERTAINS TO SQP-86-003-001 FR  
 OM REVIEW OF QTC FILE. "CI STATES M  
 ORE CABLES (IN ADDITION TO THE RADIA  
 TION MONITOR CABLE CITED IN SQP-86-0  
 03-001) MAY HAVE A SIMILAR PROBLEM I  
 N PENETRATION #23. INTEGRITY OF ALL  
 CONNECTORS AND ASSOCIATED HEAT SHRI  
 NK IS IN QUESTION. THIS CONCERN REF  
 ERS TO CABLES IN ADDITION TO THE RAD  
 IATION MONITOR CABLE CITED IN SQP-86  
 -003-001.

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 00000

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-039-001 T50058	OP	00000	S SQN	N N Y N	I-85-206-SQN	NS	SEQUOYAH PERSONNEL SHOULD WORK IN TEAMS WHEN A JOB DICTATES SUCH NECESSITY. JOBS IN THE ANNULUS AND CERTAIN JOBS IN THE CONTAINMENT. THE CI WAS ASSIGNED TO INSPECT THE ANNULUS AT SEQUOYAH IN JUNE 1985. CI RECOMMENDS SAFETY POLICY SHOULD INCLUDE TWO PERSONNEL BE GIVEN SUCH ASSIGNMENTS.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

SAFETY PROGRAM  
 SAFETY CONDITION  
 OPERATIONS  
 INDUSTRIAL SAFETY

8 CONCERNS FOR CATEGORY OP SUBCATEGORY 00000

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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 SUBCATEGORY: 30101 KERO TEST VALVE LEAKAGE AND CORROSION

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CATEGORY: OP PLANT OPER. SUPPORT

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
EX -85-085-003 T50198	OP	30101	N	WBN	Y Y Y Y		NS	KERO-TEST VALVES ARE EXTREMELY POOR. THEY SELDOM SEAT PROPERLY. CONSTR UCTION DEPT. CONCERN. CI HAS NO ADD ITIONAL INFORMATION.	SUPPLIER NONCONFORMANCE CONSTRUCTION VALVES
IN -85-594-001 T50055	OP	30101	N	WBN	N Y Y Y		NS	3/4" KEROTEST VALVE (POSSIBLY GLOBE) 30 VALVES INSPECTED WITH A 90% REJE CT RATE- BEARINGS WERE MISSING/BUSTE D/FROZEN. THESE VALVES WERE INSTALL ED THROUGHOUT THE SITE (UNITS 1&2) A ND ALL MAY NOT HAVE BEEN IDENTIFIED AS EVIDENCE OF AN NCR. HOLD TAGS, OR FURTHER INVESTIGATIONS WAS NOT KNOW N. (NAMES/DETAILS KNOWN TO QTC)	NONCONFORMANCE CORRECTIVE ACTION PIPING VALVES
IN -86-285-001 T50200	OP	30101	N	WBN	N Y Y Y		NS	WATTS BAR UNIT 1 & 2. GLOBE VALVES (KERO TEST) WERE RECEIVED FROM VENDO R IN A CORRODED CONDITION DUE TO VEN DOR'S HYDRO OF VALVE AND INADEQUATE DRYING. THESE VALVES LEAKED AFTER I NSTALLATION. A GENERIC NCR WAS WRIT TEN TO CORRECT THIS PROBLEM BUT THE FULL IMPLEMENTATION OF THE NCR DISPO SITION IS QUESTIONABLE. EXAMPLES OF THE SYSTEMS WITH THESE VALVES ARE: CVCS, SAFETY INJECTION, RHR, & REACT OR COOLANT. CONSTRUCTION DEPT. CONC ERN. CI HAS NO FURTHER INFORMATION.	NONCONFORMANCE CORRECTIVE ACTION PIPING VALVES
XX -85-090-001 T50200	OP	30101	N	BLN	N Y Y Y	I-85-863-WBN	NS	BELLEFONTE ALL UNITS. THE GLOBE VAL VES(KERO TEST) NEED TO BE CHECKED FO R CORROSION & LEAKAGE DUE TO VENDORS HYDRO AND INADEQUATE DRYING. EXAMP LES OF THE SYSTEMS ARE: CVCS, SAFETY INJECTION, RHR, REACTOR COOLANT. C I STATED THIS PROBLEM HAS EXISTED FO R SIX YEARS. CONSTRUCTION DEPT. CON CERN. CI HAS NO FURTHER INFORMATION	NONCONFORMANCE CORRECTIVE ACTION PIPING VALVES

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30101 KERO TEST VALVE LEAKAGE AND CORROSION

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-090-002 T50198	OP	30101	N SQN	N Y N Y	I-85-861-SQN	NS	SEQUOYAH: UNIT 1 & 2. PER CI TVA USED GLOBE VALVES (KERO TEST) EXTENSIVELY IN BOTH PLANTS, WATTS BAR AND BELLEFONTE AND HAD LEAKAGE & CORROSION PROBLEMS. CI QUESTIONS THE USAGE OF THESE VALVES AT SEQUOYAH - THE SISTER PLANT- FOR LEAKAGE & CORROSION PROBLEMS. THE SYSTEMS TO BE CHECKED AS EXAMPLES ARE CVCS, SAFETY INJECTION, RHR & REACTOR COOLANT ETC. CI HAS NO FURTHER INFORMATION. NUC POWER CONCERN.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CORRECTIVE ACTION  
 OPERATIONS  
 VALVES

5 CONCERNS FOR CATEGORY OP SUBCATEGORY 30101

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
 EMPLOYEE CONCERN PROGRAM SYSTEM (ECPS)  
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 SUBCATEGORY: 30102 D/G RELIABILITY PROBLEMS

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CATEGORY: OP PLANT OPER. SUPPORT

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
MAS-85-001	OP	30102	N	SQN	N N N N		SS	D/G AC LUB OIL PUMP TRIPPED BECAUSE OF POSSIBLE GASKET MATERIAL IN PUMP.
WI -85-100-003 T50211	OP	30102	N	WBN	Y Y Y Y		NS	DIESEL GENERATORS HAVE RELIABILITY PROBLEMS. CI STATED THAT CORRECTION REQUIRES RELIABILITY PROGRAM, A REDUCTION IN THE NUMBER OF STARTS, ATTENTION TO TESTING, PREVENTATIVE MAINTENANCE UPGRADING, AND MORE INTERACTION WITH INPO, OTHER UTILITIES AND VENDORS TO ESTABLISH RESOLUTION TO PROBLEMS. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.
XX -85-122-008 T50214	OP	30102	N	SQN	Y Y N Y	I-85-171-SQN	SS	SEQUOYAH: DIESEL GENERATORS HAVE RELIABILITY PROBLEMS. CI STATED THAT CORRECTION REQUIRES RELIABILITY PROGRAM, A REDUCTION IN THE NUMBER OF STARTS, ATTENTION TO TESTING, PREVENTATIVE MAINTENANCE UPGRADING, AND MORE INTERACTION WITH INPO, OTHER UTILITIES AND VENDORS TO ESTABLISH RESOLUTION TO PROBLEMS. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.
XX -85-122-009 T50214	OP	30102	N	BLN	Y Y Y Y	I-85-117-BLN	NS	BELLEFONTE: DIESEL GENERATORS HAVE RELIABILITY PROBLEMS. CI STATED THAT CORRECTION REQUIRES RELIABILITY PROGRAM, A REDUCTION IN THE NUMBER OF STARTS, ATTENTION TO TESTING, PREVENTATIVE MAINTENANCE UPGRADING, AND MORE INTERACTION WITH INPO, OTHER UTILITIES AND VENDORS TO ESTABLISH RESOLUTION TO PROBLEMS. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CORRECTIVE ACTION  
 GENERAL  
 EQUIPMENT

NONCONFORMANCE  
 CORRECTIVE ACTION  
 GENERAL  
 EQUIPMENT

NONCONFORMANCE  
 CORRECTIVE ACTION  
 GENERAL  
 EQUIPMENT

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30102 D/G RELIABILITY PROBLEMS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-122-010 T50214	OP	30102	N	BFN	Y Y Y Y	I-85-145-BFN	NS	BROWN'S FERRY: DIESEL GENERATORS HAVE RELIABILITY PROBLEMS. CI STATED THAT CORRECTION REQUIRES RELIABILITY PROGRAM, A REDUCTION IN THE NUMBER OF STARTS, ATTENTION TO TESTING, PREVENTATIVE MAINTENANCE UPGRADING, AND MORE INTERACTION WITH INPO, OTHER UTILITIES AND VENDORS TO ESTABLISH RESOLUTION TO PROBLEMS. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CORRECTIVE ACTION  
 GENERAL  
 EQUIPMENT

5 CONCERNS FOR CATEGORY OP SUBCATEGORY 30102

REFERENCE - ECPS111J-ECPS111C  
FREQUENCY - REQUEST  
ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30105 QUESTIONABLE DESIGN/CONSTRUCTION PRACTICE

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
MAS-86-002	OP	30105	N	SQN	N N N N		NS	IMPROPER MOUNTING OF LIMIT SWITCHES ON 2-FCV-30-15	
RCM-85-001	OP	30105	N	SQN	N N N N		SS	FAILED CHECK VALVE ON BCST ALLOWED W ATER ON TOP BLADDER. BLADDER COULD GET INTO ERCW SUCTION.	

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 30105



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 30106 HARDWARE SELECTION QUESTIONABLE

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CATEGORY: OP PLANT OPER. SUPPORT

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
XX -85-071-004 T50159	OP	30106	N	SQN	N N N N

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R  
 CONCERN  
 DESCRIPTION

NS SEQUOYAH: CI HAS GENERAL HARDWARE CO  
 NCERN, AND REQUESTED THAT QTC INVEST  
 IGATE. DETAILS KNOWN TO QTC; WITHEL  
 D TO MAINTAIN CONFIDENTIALITY. NO F  
 OLLOWUP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CORRECTIVE ACTION  
 OPERATIONS  
 GENERAL

1 CONCERNS FOR CATEGORY OP SUBCATEGORY 30106

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30107 GENERAL PAINT CONCERN RX BLDG

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -86-273-001 T50186	OP	30107	S	WBN	N N Y Y		NS	WBNP - UNIT 1 & 2: CONTAINMENT COATINGS (#295 & #305) ARE NOT PROPERLY DONE & MAINTAINED. THE INTEGRITY OF THE COATINGS IS BEING ERODED & QUESTIONABLE. CI IS CONCERNED THAT THE PAINT WILL CURL & POP-UP AND CLOG THE DRAINS IN CASE OF A (LOCA) ACCIDENT WHEN THE TEMPERATURE & PRESSURE BUILDS UP IN THE REACTOR. PAINT SPECIFICATIONS & STANDARDS ARE NOT FOLLOWED, ESPECIALLY IN RECOATING OF #305. CONSTRUCTION DEPT. CONCERN. CI HAS NO FURTHER INFORMATION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

PROTECTIVE COATING  
 PREVENTIVE MAINT  
 CIVIL  
 COATINGS

XX -85-087-001 T50186	OP	30107	S	SQN	Y Y N Y	I-85-812-SQN	NS	SEQUOYAH UNIT 1 & 2: CONTAINMENT PAINT COATINGS (#295 AND #305) ARE NOT PROPERLY MAINTAINED. THE INTEGRITY OF THE COATINGS IS BEING ERODED & QUESTIONABLE. CI IS CONCERNED THAT THE PAINT WILL CURL & POP-UP AND CLOG THE DRAINS IN CASE OF A (LOCA) ACCIDENT WHEN THE TEMPERATURE AND PRESSURE BUILDS UP IN THE REACTOR. PAINT SPECIFICATIONS AND STANDARDS ARE NOT FOLLOWED, ESPECIALLY IN RECOATING OF #305. NUC POWER CONCERN. CI HAS NO FURTHER INFORMATION.
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PROTECTIVE COATING  
 PREVENTIVE MAINT  
 CIVIL  
 COATINGS

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 30107

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30108 S/G MANWAY INSTALLATION (ALARA)

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-869-001 T50155	OP	30108	S	WBN	N N Y Y		NS	MANWAY DOOR AT THE BOTTOM STEAM GENERATOR TAKES APPROX. 20 MINUTES TO OPEN AND 3-4 HOURS TO CLOSE DUE TO A COMPLICATED PROCESS NECESSITATED BY POOR DESIGN. IF THE COMEALONG SLIPS, IT IS MOST LIKELY THAT PERSONNEL WOULD BE PINNED BETWEEN THE SIDING ARM AND HAND RAIL. THERE ARE 5 REMS/HOUR ESCAPING WHILE THIS DOOR IS OPEN. A WAY TO OPEN/CLOSE THIS DOOR MUST BE FOUND THAT WOULD TAKE ONLY 20 MINUTES TOTAL. CONSTR. DEPT. CONCERN. UNITS 1 AND 2. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.
XX -85-052-001 T50153	OP	30108	S	SQN	N N N Y	I-85-558-SQN	NS	SEQUOYAH-MANWAY DOOR AT THE BOTTOM OF STEAM GENERATOR TAKES APPROX. 20 MINUTES TO OPEN AND 3-4 HOURS TO CLOSE DUE TO COMPLICATED PROCESS NECESSITATED BY POOR DESIGN. IF A COMEALONG SLIPS, IT IS MOST LIKELY THAT PERSONNEL WOULD BE PINNED BETWEEN THE S WING-ARM AND HAND RAIL. THERE ARE 5 REMS/HOUR ESCAPING WHILE THIS DOOR IS OPEN. A WAY TO OPEN/CLOSE THIS DOOR MUST BE FOUND THAT WOULD TAKE ONLY 20 MINUTES TOTAL. UNITS 1 AND 2. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

HEALTH PHYSICS  
 SAFETY CONDITION  
 OPERATIONS  
 RADIATION PROTECTN

HEALTH PHYSICS  
 SAFETY CONDITION  
 OPERATIONS  
 RADIATION PROTECTN

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 30108

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30111 VALVE CLOSURE PROBLEM

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-400-001 T50013	OP	30111	N	WBN	N N Y Y		NS	GENERIC CONCERN- FLOW CONTROL VALVES AND AUTOMATIC OPEN CLOSE VALVES IN UNIT 1&2 (RHR,SIS,CVCS&RC) DO NOT CO Mpletely CLOSE TO PREVENT FLOW OF WA TER. AVERAGE CLOSURE WAS EXPRESSED AS 98%. CI IS CONCERNED THAT THIS C OULD BE DETRIMENTAL TO PLANT OPERATI ON AND PERSONNEL SAFETY, PARTICULARL Y AFTER NUCLEAR OPERATIONS BEGIN FOR EXAMPLE: INSTANCES WHERE ROUTINE/EM ERGENCY MAINTENANCE ACTIVITIES MAY R EQUIRE TOTAL OR PARTIAL SYSTEM ISOLA TION.- CONCERN IS GENERIC IN NATURE, WITH NO FURTHER SPECIFICS AVAIL

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

POWER  
 MAINTENANCE  
 PIPING  
 FITTINGS

1 CONCERNS FOR CATEGORY OP SUBCATEGORY 30111

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30114 MALFUNCTION OF DOORS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
IN -86-137-005 T50249	OP	30114	N	WBN	N N Y N

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R  
 CONCERN  
 DESCRIPTION

NS DOORS A56 & A57 BETWEEN THE CONTROL ROOM AND AUX. BLDG. MALFUNCTION EVERY 3 OR 4 DAYS. CI WAS TOLD THAT SEVERAL INDIVIDUALS AT SEQUOYAH (NAMES NOT GIVEN) HAD BEEN INJURED AS A RESULT OF THESE SAME DOORS MALFUNCTIONING. CI QUESTIONED ACTIONS (OR LACK THEREOF) TO PREVENT THIS FROM OCCURRING AT WBNP. NUCLEAR POWER DEPARTMENT CONCERN. NO ADDITIONAL INFORMATION AVAILABLE IN FILE. NO FOLLOW UP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

SAFETY PROGRAM  
 SAFETY CONDITION  
 CONSTRUCTION  
 EMPLOYEES

1 CONCERNS FOR CATEGORY OP SUBCATEGORY 30114

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30201 POSSIBLE LACK OF WATERTIGHT CONDUIT AND CONNECTION

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
MAS-85-002	OP	30201	N SQN	N N N N		NS	ADEQUACY OF RAYCHEM ON 2-FCV-43-77	
MRS-85-005	OP	30201	N SQN	N N N N		SS	2-FSV-43-77 DID NOT HAVE THE PROPER RAYCHEM APPLICATION	
TAK-85-001	OP	30201	N SQN	N N N N		NS	GUIDELINES FOR USE OF RAYCHEM (COATI NG) ON CLASS 1E WORK ARE UNCLEAR AND INSTRUCTIONS NOT CONSISTENT.	

3 CONCERNS FOR CATEGORY OP SUBCATEGORY 30201

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30202 LOW LINE VOLTAGE

CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-122-004 T50217	OP	30202	N SQN	Y Y Y Y	I-85-924-SQN	SS	SEQUOYAH - A 5% VOLTAGE DROP AT EACH PLANT CAUSES PROBLEMS BY CYCLING DIESEL GENERATORS UNNECESSARILY (WHICH DEGRADES RELIABILITY) AND CAUSES TOO MANY PLANT SHUTDOWNS. TVA COMPENSATES BY OPERATING BUSES AT HIGHER THAN NORMAL VOLTAGE RATINGS, ANTICIPATING VOLTAGE REDUCTIONS, STRESSING EQUIPMENT AND COMPONENTS UNNECESSARILY, AND REDUCING COMPONENT LIFE AND RELIABILITY. CI STATED THAT THERE WAS INADEQUATE VOLTAGE REGULATIONS FOR BUSES. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER
XX -85-122-005 T50217	OP	30202	N BFN	Y Y Y Y	I-85-923-BFN	NS	BROWN'S FERRY - A 5% VOLTAGE DROP AT EACH PLANT CAUSES PROBLEMS BY CYCLING DIESEL GENERATORS UNNECESSARILY (WHICH DEGRADES RELIABILITY) AND CAUSES TOO MANY PLANT SHUTDOWNS. TVA COMPENSATES BY OPERATING BUSES AT HIGHER THAN NORMAL VOLTAGE RATINGS. ANTICIPATING VOLTAGE REDUCTIONS, STRESSING EQUIPMENT AND COMPONENTS UNNECESSARILY, AND REDUCING COMPONENT LIFE AND RELIABILITY. CI STATED THAT THERE WAS INADEQUATE VOLTAGE REGULATION FOR BUSES. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CORRECTIVE ACTION  
 GENERAL  
 EQUIPMENT

NONCONFORMANCE  
 CORRECTIVE ACTION  
 GENERAL  
 EQUIPMENT

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 30202

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30204 GROUND AND ELECTRICAL SHOCK PROBLEMS

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
SQM-86-013-001 T50268	OP	30204	N SQN	Y Y Y Y	I-86-103-SQN	NS	CHANGING OUT THE SYLVANNIA BULBS IN VARIOUS GROUND DETECTORS CAUSES A RE SISTANCE CHANGE WHICH SHOWS A GROUND BETWEEN ALL THREE PHASES ON THE BOA RD WHEN THE TEST BUTTON IS PUSHED. THIS FALSE GROUND SIGNAL OVERSHADOWS AN ACTUAL GROUND ON THE BOARD SINCE THE BULB LIGHTS UP BRIGHTER THAN TH E OTHER BULBS INDICATING A GROUND AL THOUGH AN ACTUAL GROUND MAY BE ON ON E OF THE OTHER PHASES. NUCLEAR POWE R DEPARTMENT CONCERN. ANONYMOUS CON CERN.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CONST PROCESS  
 ELECTRICAL  
 LIGHTNING

1 CONCERNS FOR CATEGORY OP SUBCATEGORY 30204



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30206 TRANSFER CANAL ELECTRICAL EQUIPMENT

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
SQP-85-004-002 T50229	OP	30206	N SQN	N N N Y	I-86-163-SQN	SS	THE CONFIRGURATION OF THE ELECTRICAL EQUIPMENT IN THE TRANSFER CANAL IS NOT PER THE DRAWING. DETAILS KNOWN TO QTC AND WITHHELD TO MAINTAIN CONFIDENTIALITY. NUCLEAR POWER CONCERN. NO FURTHER INFORMATION MAY BE RELEASED. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.
SQP-86-011-001 T50277	OP	30206	N SQN	N N N N		SS	THE FUEL TRANSFER SYSTEM WAS UPGRADED FROM NON-QA TO A QA LEVEL II, HOWEVER THERE ARE NO "AS CONSTRUCTED DRAWINGS".

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CORRECTIVE ACTION  
 ELECTRICAL  
 EQUIPMENT

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 30206

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30301 DIFFICULTY OF OBTAINING OBSOLETE EQUIPMENT

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
IN -85-841-001 T50084	OP	30301	N	WBN	Y Y Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R  
 NS

CONCERN  
 DESCRIPTION

"OLD" PLANT INSTRUMENTATION (PROCURE  
 D 10-12 YEARS AGO) IS OFTEN NO LONGER  
 MANUFACTURED/SPARE PARTS ARE DIFFI  
 CULT OR NOT POSSIBLE TO OBTAIN. PUR  
 CHASE REQUISITIONS FOR UNOBTAINABLE  
 PARTS ARE CANCELLED, YET COGNIZANT M  
 ANAGEMENT (DEPARTMENT KNOWN) HAVE IN  
 STITUTED NO ALTERNATIVES MEASURES TO  
 OBTAIN SUBSTITUTIONS OF PARTS/REPLA  
 CEMENT ITEMS. THIS HAS THE POTENTIAL  
 TO ADVERSELY IMPACT PLANT OPERATIO  
 NS. CI POSTULATED THIS CONCERN TO B  
 OTH UNITS 1 & 2. MANAGEMENT (NAME K  
 NOWN) IS AWA

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

DESIGN RELATED  
 SPECIFICATIONS  
 INSTRUMENTATION  
 GENERAL

1 CONCERNS FOR CATEGORY OP SUBCATEGORY 30301

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30302 LOCATION OF COLD LEG ACCUMULATOR LEVEL XMITTERS

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-281-003 T50059	OP	30302	N WBN	N N Y N	I-85-208-WBN	SS	THE TWO LEVEL TRANSMITTER ON EACH OF THE COLD-LEG ACCUMULATORS WILL NOT READ THE SAME LEVEL DUE TO DIFFERENC E IN ELEVATION. TRANSMITTERS HAVE B EEN CALIBRATED AS PER SCALING DATA S HEET. WHEN PUT IN SERVICE TRANSMITT ERS WILL READ A 5% DIFFERENCE IN LEV EL. WHEN THE ENGINEERS WERE TOLD AB OUT THE PROBLEM THEY SAID DON'T WORR Y ABOUT IT ADJUST ONE UNTIL BOTH LEV EL INDICATORS READ THE SAME. (UNIT 1)

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

CORRECTIVE ACTION  
 CALIBRATION  
 OPERATIONS  
 DEVICES

1 CONCERNS FOR CATEGORY OP SUBCATEGORY 30302

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30303 ACCURACY OF SAFETY-RELATED INSTRUMENTATION

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-802-001 T50071	OP	30303	N	WBN	Y Y Y N	I-85-286-WBN	NS	BOTH UNITS 1 & 2, PROBLEM EXISTS WITH TARGET ROCK VALVES INSTALLED IN BOTH SAMPLING SYSTEM AND MAIN STEAM SYSTEM. TARGET ROCK VALVES IMPROPERLY ANNUNCIATE PART OF THE TIME AND READ SWITCHES ON VALVES REQUIRE CONSTANT ADJUSTMENT. VALVES IN SAMPLING SYSTEM LOCATED IN 3/8" STAINLESS STEEL LINES IN ANNULUS AND PRIMARY CONTAINMENT AREAS. VALVES IN MAIN STEAM SYSTEM LOCATED ON EITHER 2" OR 3" STAINLESS STEEL LINES IN SOUTH VALVE ROOM. C/I DID NOT SPECIFY LINE NUMBERS OR VALVE SERIAL OR MARK NUMBERS	DESIGN REVIEW PROCUREMENT PIPING VALVES
IN -86-079-002 T50117	OP	30303	N	WBN	N N Y Y		NS	QUESTIONABLE ADEQUACY OF SAFETY RELATED EQUIPMENT ACCURACY, AND QUESTIONABLE CALIBRATION PROCEDURES FOR THIS EQUIPMENT. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NUCLEAR POWER CONCERN; UNITS 1 & 2; SYSTEM WITHHELD; TIME FRAME - CURRENT. C/I HAS NO FURTHER INFORMATION NO FOLLOWUP REQUIRED.	NONCONFORMANCE CALIBRATION CONSTRUCTION EQUIPMENT

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 30303

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30305 RELIABILITY AND MAINT RADIATION MONITORING EQUIP

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
CWL-85-001	OP	30305	N	SQN	N N N N		NS	WHY ARE THE AIR MONITOR FLOW CONTROL S FOR 2-RE-90-100 NOT LISTED AS EITH ER TECH SPEC OR COMPLIANCE INSTRUMEN TS?	
SQP-86-003-001 T50246	OP	30305	N	SQN	N N N N	I-86-205-SQN	SS	THE RADIATION MONITOR CABLE IS NOT I NSTALLED PROPERLY. PENETRATION 23, LOWER CONTAINMENT, UNIT #2, MODIFICA TIONS. (NAMES/DETAILS KNOWN TO QTC AND WITHHELD TO MAINTAIN CONFIDENTIA LITY). NO FURTHER INFORMATION MAY B E RELEASED. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	NONCONFORMANCE CORRECTIVE ACTION OPERATIONS RADIATION PROTCTN
XX -85-051-001 T50153	OP	30305	N	SQN	N N Y N	I-85-613-SQN	SS	SEQUOYAH: THE RADIATION MONITOR (1-R M-90-104) HAS NOT BEEN MAINTAINED AN D IS NOT ALWAYS OPERABLE. ANY FURTH ER INFORMATION WOULD COMPROMISE CONF IDENTIALITY. NUC. POWER DEPT. CONCE RN. FOLLOW UP NOT REQUIRED.	NONCONFORMANCE HEALTH PHYSICS OPERATIONS RADIATION PROTCTN

3 CONCERNS FOR CATEGORY OP SUBCATEGORY 30305

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30401 PROCEDURE PROBLEMS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
IN -85-112-001 T50020	OP	30401	N	WBN	Y Y Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R CONCERN  
 DESCRIPTION

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

SPECIFICATIONS  
 PROCEDURES  
 OPERATIONS  
 GENERAL

TAK-86-005	OP	30401	N	SQN	N N N N
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SS TVA NUCLEAR POWER DEPARTMENT IS NOT WORKING IN ACCORDANCE WITH CONSTRUCTION SPECIFICATIONS WHEN MAKING MODIFICATIONS AND ADDITIONS. EG NO MAXIMUM PULL TENSION IS SPECIFIED WHEN NUCLEAR POWER DEPARTMENT PULLS A NEW CABLE AND MINIMUM BEND RADIUS IS ALSO NOT SPECIFIED

SS RTV APPLIED TO JUNCTION BOXES ON SMI-0-360-0 MAY NOT HAVE BEEN PROPERLY APPLIED ON ALL JUNCTION BOXES. RTV USED WAS NOT QA LEVEL AND HAS EXCEEDED IT'S SHELF LIFE. EMPLOYEE STATED THAT SHELF LIFE WAS NOT A CONCERN AS HE HAS VERIFIED THAT THE RTV IN QUESTION WILL IN FACT SET UP PROPERLY.

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 30401

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30501 ACCESSIBILITY PROBLEMS

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-189-001 T50088	OP	30501	N WBN	Y Y Y Y		NS	WBNP UNIT #2, ONCE SCAFFOLDING IS REMOVED, SOME VALVES WOULD BE HARD TO GET TO, EG: 15 FEET OFF FLOOR, TO MANUALLY OPEN OR CLOSE VALVE. CI COULD NOT PROVIDE SPECIFIC VALVE #'S, SYSTEMS, BUILDINGS OR ELEVATIONS. CI STATED THIS CONDITION EXISTS THROUGHOUT THE PLANT.	DESIGN RELATED POWER OPERATIONS VALVES
IN -85-189-002 T50089	OP	30501	N WBN	N N Y Y	I-85-210-WBN	NS	VALVES LOCATED IN WBNP #2 SOUTH VALVE ROOM ARE VERY CONGESTED AND INACCESSIBLE. ONLY A SMALL PERSON WOULD BE ABLE TO GET TO THEM. CI STATED ONE EXAMPLE IS DRAIN VALVE ON MAIN STEAM SYSTEM IN SOUTH VALVE ROOM UNIT #2. CI COULD NOT PROVIDE ANY ADDITIONAL DETAILS.	DESIGN RELATED POWER OPERATIONS VALVES
IN -85-220-001 T50157	OP	30501	N WBN	N N Y Y		NS	DUE TO EXCESSIVE NUMBER OF HANGERS AND OVERCROWDING IN UNIT 2 REACTOR BUILDING, ESPECIALLY ACCUMULATOR ROOM #4, HEALTH PHYSICS PROBLEMS (ALARA CONCERNS) DURING PLANT OPERATIONS ARE ANTICIPATED. CI FEELS THAT NOT ENOUGH CONCERN WAS SHOWN REGARDING THE NUMBER OF HANGERS BEING USED. CONST. DEPT. CONCERN. CI COULD NOT PROVIDE ANY ADDITIONAL DETAILS/SPECIFICS. NO FOLLOWUP REQUIRED.	DESIGN REVIEW HEALTH PHYSICS OPERATIONS EMPLOYEES
IN -85-617-001 T50059	OP	30501	N WBN	Y Y Y Y		NS	THE BUILDING OF HANGERS & PIPE SUPPORT SYSTEMS TO THE POINT OF ACCESSIBILITY BEING MADE IMPOSSIBLE. THIS CONCERN INVOLVES BOTH UNIT 1&2. THE PRIMARY PLACES OF INTEREST ARE: ROOF, AUX BLDG. ELV. 737, THE ERCW VENT VALVES, CCS VALVES TO HEAT EXCHANGERS, #4 ACCUMULATOR ROOM, NORTH & SOUTH STEAM VALVE ROOMS & ELV. 713 BIT TANK ROOM. ACCESSIBILITY IS NONEXISTENT DUE TO POTENTIALLY HOT PIPES & CONGESTED AREAS. PRESENTLY THERE ARE SCAFFOLDS TO SOME INACCESSIBLE AREAS, WHEN SCAFFOLDS ARE REMOVED, NO	DESIGN RELATED POWER OPERATIONS PIPE

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30501 ACCESSIBILITY PROBLEMS

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B
IN -86-306-001 T50161	OP	30501	N WBN	N N Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
S  
R  
CONCERN  
DESCRIPTION

NS VARIOUS EQUIPMENT THAT COULD BE NEED  
 ED DURING AN EMERGENCY IS NOT READIL  
 Y ACCESSIBLE TO APPLICABLE PERSONNEL  
 . EXAMPLE: AUX BUILDING 713' ELEV (   
 ALSO CONTAINEMENT BUILDING) THE INST  
 RUMENT PANELS AND THE AUX FEEDWATER  
 PUMPS ARE SO CONGESTED IT IS VERY TI  
 ME CONSUMING TO GET IN THERE TO READ  
 THE INSTRUMENTS. NUCLEAR POWER CON  
 CERN. CI HAS NO FURTHER INFORMATION  
 . NO FOLLOWUP REQUIRED.

PH -85-003-006 T50106	OP	30501	N WBN	N N Y Y
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NS WATTS BAR INSTRUMENTATION IS NOT PRO  
 PERLY DESIGNED FOR ACCESSIBILITY. C  
 I HAS NO MORE ADDITIONAL INFORMATION  
 AVAILABLE NO FOLLOW UP REQUIRED

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

DESIGN RELATED  
 POWER  
 OPERATIONS  
 GENERAL

DESIGN RELATED  
 POWER  
 OPERATIONS  
 INSTRUMENT/MECH

6 CONCERNS FOR CATEGORY OP SUBCATEGORY 30501



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30702 HANDLING OF SAFEGUARDS INFORMATION

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-915-003 T50133	OP	30702	N	WBN	Y Y Y Y	I-85-459-WBN	NS	A SAFE-GUARDS DRAWING (45W39-4 REV 1 0) WAS LOST. AN INVESTIGATION INTO THIS LOST DOCUMENT STATED IT WAS DESTROYED. THERE IS NO OBJECTIVE EVIDENCE TO SUPPORT THIS REPORT. (ADDITIONAL FACTS/NAMES ARE KNOWN, WITHHELD DUE TO CONFIDENTIALITY). CI HAS NO FURTHER INFORMATION.
XX -85-018-001 T50022	OP	30702	N	SQN	N N N N		SS	SAFEGUARDS INFORMATION AT THE SEQUAH NUCLEAR POWER PLANT IS BEING KEPT IN UNCONTROLLED BOOKS AND NOT SECURED AS PER TVA POLICY AND/OR NRC GUIDELINES (LOCATIONS, INDIVIDUALS KNOWN)

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

FALSIFICATION  
 DOCUMENT STATUS  
 CONSTRUCTION  
 GENERAL

POWER  
 SECURITY  
 OPERATIONS  
 SECURITY

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 30702

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30704 WORK PLAN PROCESS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
SQP-86-003-003 T50246	OP	30704	N	SQN	N N N N	I-86-206-SQN	SS	CONDUIT IS CURRENTLY BEING REMOVED AND REINSTALLED (REROUTED) WITHOUT PROPER DOCUMENTATION. LOWER CONTAINMENT, FAN ROOM #1, UNIT 2, APPROXIMATELY ELEV. 680'. WORK PLAN 11882. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	NONCONFORMANCE CORRECTIVE ACTION ELECTRICAL CONDUIT
XX -85-070-003 T50180	OP	30704	S	SQN	Y Y Y Y	I-85-637-SQN	SS	SEQUOYAH: WORK PLANS CONTAIN INACCURATE DATA. MAJORITY OF THE DCR'S TAKEN CARE BUT NOT DOCUMENTED RIGHT AND DRAWINGS DO NOT REFLECT THE AS-BUILT CONDITIONS. DETAILS WITHHELD TO MAINTAIN CONFIDENTIALITY. NUC POWER CONCERN. C/I HAS NO FURTHER INFORMATION.	WORK PLAN/PACKAGE DRAWINGS OPERATIONS GENERAL
XX -85-070-005 T50180	OP	30704	N	SQN	Y Y N Y	I-85-637-SQN	SS	SEQUOYAH: WORK PLAN (NUMBER KNOWN) TO TAKE EQUIPMENT OUT OF SERVICE FOR REPAIR/MODIFICATION WAS NEVER AUTHORIZED BY ENGINEERING BUT WORK PLAN MODIFICATIONS HAVE BEEN COMPLETED. (NAMES/DETAILS TO THE SPECIFIC CASE ARE KNOWN TO QTC AND WITHHELD TO MAINTAIN CONFIDENTIALITY). NUCLEAR POWER CONCERN. C/I HAS NO FURTHER INFORMATION.	RECORDS NONCONFORMANCE OPERATIONS REPORTS

3 CONCERNS FOR CATEGORY OP SUBCATEGORY 30704

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30705 SURVEILLANCE PROGRAM AND INSTRUCTIONS

CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -86-014-001 T50108	OP	30705	N WBN	Y Y Y N	I-85-367-WBN	NS	THE AMOUNT OF SURVEILLANCE INSTRUCTI ON (SI'S) RUN ON ESSENTIAL EQUIPMENT IS TOO MUCH. RUNNING NUMEROUS SI'S ON CERTAIN SYSTEMS REQUIRE THE PUMP S, CHILLERS, COMPRESSORS AND ETC. T O BE CYCLED ON AND OFF. THE STARTIN G DUTY ON THE EQUIPMENT WEARS IT DOW N AND CAUSES MORE FREQUENT FAILURES SUCH AS BEARING FAILURES. EXAMPLE B EING ONLY 3 OF 8 ERCW PUMPS ARE PRES ENTLY OPERATIONAL. CI HAS NO FURTHER R INFORMATION NO FOLLOW UP REQUIRED
IN -86-208-001 T50130	OP	30705	N WBN	Y Y Y N	I-85-367-WBN	NS	NUMEROUS SURVEILLANCE INSTRUCTION (S I) PACKAGES ARE REQUIRED TO BE PERFO RMED, WHICH IS DETRIMENTAL TO EQUIPM ENT OPERATION DUE TO AN EXCESSIVE NU MBER OF START/STOPS. SI'S ALSO REQU IRE TOO MUCH TIME OF THE LICENSED OP ERATOR POSITIONS (MORE TIME SPENT IN PAPERWORK THAN IN MONITORING PLANT PERFORMANCE). EQUIPMENT AFFECTED AR E THE ERCW PUMPS, DIESEL GENERATORS AND FIRE PUMPS. NUCLEAR POWER CONCE RN. UNIT 1. CI HAS NO FURTHER INFO RMATION. NO FOLLOW UP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

TESTING  
 PROCEDURES  
 SYSTEMS  
 GENERAL

TESTING  
 PROCEDURES  
 SYSTEMS  
 EQUIPMENT

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 30705

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30706 TEST PROCEDURES/PROGRAMS

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
SQM-86-004-017 T50272	OP	30706	N SQN	N N N N		SS	CERTAIN SAFETY EQUIPMENT MAY NOT HAVE BEEN PROPERLY TESTED. ONE OF THE ITEMS INVOLVED ARE SOME TUBES ON THE FUEL FLOOR. OTHER ITEMS ARE NOT SPECIFICALLY KNOWN. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED.	NONCONFORMANCE TESTING OPERATIONS TUBING
XX -85-001-001 T50002	OP	30706	N SQN	N N N N	I-85-109-SQN	SS	SEQUOYAH D-G BATTERIES HAVE BEEN REPLACED WITHOUT INITIAL TESTING PER IEEE-450. A PRO WAS WRITTEN AND DETERMINED NOT REPORTABLE BY THE COMPLIANCE SECTION	REWORK TESTING ELECTRICAL DC POWER
XX -85-077-001 T50186	OP	30706	N SQN	N N N N	I-85-811-SQN	SS	SEQUOYAH - EARLY 1980 & MIDDLE OF 1981. UNIT 2. THE PRE-OP PRE-REQUISITES ARE QUESTIONABLE. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. CI HAS NO FURTHER INFORMATION. CONSTRUCTION DEPT. CONCERN.	TESTING PROCEDURES GENERAL GENERAL

3 CONCERNS FOR CATEGORY OP SUBCATEGORY 30706

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30707 RADIOLOGICAL EMERGENCY PLAN

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
JLH-86-004	OP	30707	N	SQN	N N N N

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R  
 CONCERN  
 DESCRIPTION

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

XX-85-035-001 OP 30707 N SQN  
 T50007

XX-85-035-001

SS THE EVACUATION ROUTE AWAY FROM SEQUOYAH NUCLEAR PLANT FOR AREA RESIDENTS ON BOTH SIDES OF THE TENNESSEE RIVER IS INADEQUATE. A FOUR-LANE HIGHWAY FROM THE NEW HIGHWAY 27 TO SQN AND ACROSS THE TENNESSEE RIVER TO CONNECT WITH I-75 WOULD PROVIDE FOR A SAFE EVACUATION IN CASE OF A NUCLEAR RELATED ACCIDENT.

IODINE TABLETS HAVE BEEN ISSUED TO SEQUOYAH SITE EMPLOYEES AND THE GENERAL PUBLIC IN THE SEQUOYAH AREA, PRIOR TO THE OCCURRENCE OF A RADIATION INCIDENT. THE RESULT IS THAT THESE TABLETS MAY BE USED IN AN UNSUPERVISED AND POSSIBLE HAZARDOUS MANNER.

HEALTH PHYSICS  
 SAFETY CONDITION  
 HEALTH PHYSICS  
 GENERAL

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 30707

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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 SUBCATEGORY: 30708 TRAINING PROGRAM FOR EMPLOYEES

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CATEGORY: OP PLANT OPER. SUPPORT

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-058-001 T50108	OP	30708	N	WBN	N N Y N	XX-85-058-001	NS	EMPLOYEES AT SEQUOYAH ARE RUN THROUGH INDOCTRINATION TRAINING CLASSES "LIKE CATTLE". INSUFFICIENT TIME IS SPENT IN TRAINING CLASSES (SPECIFICALLY HEALTH PHYSICS) PRIOR TO BEING GIVEN TESTS. INSTRUCTORS, WHO ARE FAMILIAR WITH THE SUBJECT MATTER, "BREEZE THROUGH" THE LESSONS. CI HAS NO ADDITIONAL INFORMATION NO FOLLOW UP REQUIRED
XX -85-122-036 T50215	OP	30708	N	SQN	N N N N	I-85-981-SQN	NS	SEQUOYAH: IMPROPER REPORTING OF EVENTS AT OPERATING PLANTS OR IN DESIGN/CONSTRUCTION. TVA PERSONNEL ARE NOT ADEQUATELY TRAINED AND ARE NOT KNOWLEDGEABLE IN WHAT IS REPORTABLE. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

TRAINING  
 HEALTH PHYSICS  
 OPERATIONS  
 GENERAL

TRAINING  
 PROGRAMMATIC  
 GENERAL  
 GENERAL

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 30708

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30711 MANAGEMENT NONRESPONSIVENESS

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
OW -85-001-002 T50246	OP	30711	N WBN	Y Y Y Y		SS	A DIFFERENCE OF OPINION WAS IDENTIFIED BETWEEN LINE MANAGEMENT AND NSRS REGARDING THE DEFINITION OF SINGLE FAILURE CRITERIA. THIS DIFFERENCE WAS DROPPED BY NSRS AND LINE MANAGEMENT WITH NO RESOLUTION. NO FURTHER INFORMATION IN FILE.	CORRECTIVE ACTION PROGRAMMATIC ENGINEERING GENERAL
TAK-86-007	OP	30711	N SQN	N N N N		NS	SAFETY MARGIN WILL BE GREATLY AFFECTED BECAUSE SE/SRO IS BUSY AND DOES NOT INFORM LEAD UP OF MAINTENANCE ACTIVITIES.	
XX -85-116-001 T50271	OP	30711	N SQN	Y Y Y Y		SS	CHEMICAL AND RADIOCHEMICAL DATA OF POOR QUALITY AT SEQUOYAH COULD BE VERY COSTLY AND CAUSE EMBARRASSMENT TO TVA. DETAILS KNOWN TO QTC. WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. CI REQUESTS THAT QTC PERFORM THIS INVESTIGATION. NUCLEAR POWER DEPARTMENT CONCERN.	NONDESTRUCTIVE EXAM RECORDS OPERATIONS REPORTS
XX -85-116-003 T50271	OP	30711	N SQN	Y Y Y Y	I-86-130-SQN	SS	TVA HAS EXHIBITED A LENGTHY DISREGARD TOWARD FULFILLING COMMITMENTS MADE TO VARIOUS REGULATORY AND VENDOR ORGANIZATIONS WITH RESPECT TO CHEMICAL AND RADIOCHEMICAL DATA USED TO MONITOR AND CONTROL OPERATIONS OF THE SEQUOYAH PLANT. NUCLEAR POWER DEPARTMENT CONCERN. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. CI REQUESTS THAT QTC PERFORM THIS INVESTIGATION.	PROGRAMMATIC CORRECTIVE ACTION GENERAL GENERAL
XX -85-116-006 T50271	OP	30711	N SQN	Y Y Y Y	I-86-130-SQN	NS	SEQUOYAH - RECOMMENDATIONS MADE BY INTERNAL TVA ORGANIZATIONS SUCH AS NSRS HAVE PRODUCED LITTLE RESULTS REGARDING CORRECTING PRACTICES WHICH LEAD TO CHEMICAL AND RADIOCHEMICAL DATA OF POOR QUALITY. NUCLEAR POWER DEPARTMENT CONCERN. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. CI REQUESTS THAT QTC PERFORM THIS INVESTIGATION.	AUDIT CORRECTIVE ACTION GENERAL GENERAL

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30711 MANAGEMENT NONRESPONSIVENESS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
XX -85-116-014 T50271	OP	30711	N	SQN	N N Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R  
 CONCERN  
 DESCRIPTION

SS SEQUOYAH-MANAGEMENT (KNOWN) HAS SIGN  
 ED OFF SECONDARY WATER CHEMISTRY CON  
 DITIONS THAT WERE IN VIOLATION OF TH  
 E TECHNICAL SPECIFICATIONS WITHOUT H  
 AVING AN ENGINEERING EVALUATION PERF  
 ORMED IN VIOLATION OF SITE PROCEDURE  
 S. TIME PERIOD OF 1985. NUCLEAR PO  
 WER CONCERN. DETAILS KNOWN TO QTC,  
 WITHHELD DUE TO CONFIDENTIALITY. NO  
 FURTHER INFORMATION MAY BE RELEASED  
 . CI REQUESTS THAT QTC PERFORM THIS  
 INVESTIGATION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CORRECTIVE ACTION  
 ENGINEERING  
 GENERAL

6 CONCERNS FOR CATEGORY OP SUBCATEGORY 30711



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30713 CONFIGURATION CONTROL

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-062-003 T50127	OP	30713	S	NPS	Y Y Y Y	I-85-473-NPS	SS	SEQUOYAH, BROWNS FERRY: CI WAS UNOFFICIALLY INFORMED THAT THE DRAWINGS, IN MANY INSTANCES, ARE NOT A TRUE REPRESENTATION OF THE INSTALLATION. NUCLEAR POWER CONCERN. CI HAS NO MORE INFORMATION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 DOCUMENT CONTROL  
 OPERATIONS  
 GENERAL

1 CONCERNS FOR CATEGORY OP SUBCATEGORY 30713

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
 EMPLOYEE CONCERN PROGRAM SYSTEM (ECPS)  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30800 MAINTENANCE

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
EX -85-012-001 T50074	OP	30800	N	WBN	Y Y Y Y	IN-85-130-001	NS	WATTS BAR-SUB-JOURNEYMEN ARE DOING THE WORK OF QUALIFIED FITTERS. PER C/I, SUB-JOURNEYMEN ARE NOT CRAFTSMEN AND THEY DO NOT HAVE TRAINING AS QUALIFIED FITTERS. 6 OR 8 SUB-JOURNEYMEN ARE DOING THE WORK OF FITTERS IN NUCLEAR POWER MAINTENANCE DEPT. (NO NAMES GIVEN.) C/I HAD NO FURTHER INFORMATION.
IN -85-130-001 T50074	OP	30800	N	WBN	Y Y Y Y	IN-85-130-001	NS	PIPEFITTERS USING "SUBJOURNEYMEN" TO PERFORM WORK THAT ONLY JOURNEYMEN ARE QUALIFIED TO DO. THIS INVOLVES USING POWER TOOLS. THIS HAPPENED WITHIN THE LAST THREE WEEKS (APRIL - MAY 1985) IN UNIT 1 - MECHANICAL MAINTENANCE SECTION. C/I HAS NO MORE DETAILS.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

INSTALLATION  
 PERSONNEL FEELINGS  
 QUALITY  
 EMPLOYEES

INSTALLATION  
 PERSONNEL FEELINGS  
 QUALITY  
 EMPLOYEES

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 30800

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
 EMPLOYEE CONCERN PROGRAM SYSTEM (ECP)  
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 SUBCATEGORY: 30801 ADEQUACY OF PROCEDURES

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CATEGORY: OP PLANT OPER. SUPPORT

CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
MAS-85-004	OP	30801	N SQN	N N N N		NS	ADEQUACY OF MI 10.48 (MOTOR LUBS)
MAS-86-001	OP	30801	N SQN	N N N N		NS	ADEQUACY OF MI 6.20
SQP-86-009-004 T50273	OP	30801	N SQN	N N N N		SS	MAINTENANCE INSTRUCTIONS ARE UNCLEAR AND DO NOT PROVIDE ADEQUATE INSTRUCTION. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. NUCLEAR POWER DEPARTMENT CONCERN.
SQP-86-014-001 T50276	OP	30801	N SQN	N N N N		NS	FOREMEN DO NOT ALWAYS SUPPORT THE CRAFT IN PROVIDING THEM WITH EVERYTHING THEY NEED TO DO THE JOB, E. G. REQUIRED PRINTS. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.
TAK-85-002	OP	30801	N SQN	N N N N		SS	M & A1-9 DOES NOT SPECIFY TORQUE FOR SCREWS LESS THAN #10
TAK-85-004	OP	30801	N SQN	N N N N		SS	LUBRICATION OF GEARED LIMIT SWITCHES ON MOV'S NOT PROPERLY INSPECTED

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

MAINTENANCE  
 PROCEDURES  
 GENERAL  
 GENERAL

6 CONCERNS FOR CATEGORY OP SUBCATEGORY 30801

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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 SUBCATEGORY: 30803 CORRECTIVE MAINTENANCE

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CATEGORY: OP PLANT OPER. SUPPORT

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
DHT-85-003	OP	30803	N	SQN	N N N N		NS	INADEQUATE MAINTENANCE OF DOORS WHICH ARE A PART OF ABSCE, FIRE DOORS, OR SECURITY DOORS.
GSB-85-001	OP	30803	N	SQN	Y Y Y Y		SS	SINCE WE DO NOT CHECK CALIBRATION OF TORQUE WRENCHES IMMEDIATELY AFTER A JOB, WE COULD HAVE DEGRADED BOLTING WHEN WE START UP AND COULD CONTRIBUTE TO NUCLEAR SAFETY PROBLEMS, SHUTDOWNS, AND INCREASED DOSE DUE TO REWORK ON MORE THAN ONE JOB.
MAS-85-003	OP	30803	N	SQN	N N N N		SS	ADEQUACY OF CABLE SPLICE/REPAIR ON C S CCS PUMP MOTOR
SQP-86-014-002 T50276	OP	30803	N	SQN	N N N N		NS	ALTHOUGH THE FOREMEN ARE REQUIRED TO SIGN A DOCUMENT STATING THEY HAVE REVIEWED THE WORK PACKAGE WITH THE CRAFT ASSIGNED TO THE JOB, THEY IN FACT OFTEN DO NOT REVIEW THE WORK PACKAGE AT ALL WITH THE APPLICABLE CRAFT. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.
XX -85-071-003 T50159	OP	30803	N	SQN	N N N N		NS	SEQUOYAH: CI HAS GENERAL QUESTION ABOUT HARDWARE REPAIR PROCESS, AND REQUESTED THAT QTC INVESTIGATE. DETAILS KNOWN TO QTC; WITHHELD TO MAINTAIN CONFIDENTIALITY. NO FOLLOWUP REQUIRED.
XX -85-096-005 T50179	OP	30803	N	SQN	Y Y N Y	I-85-614-SQN	NS	SEQUOYAH: THE RADIATION MONITOR TUBE PROBLEM (THIMBLE GUIDE TUBE INCIDENT) IN UNIT 1 IN APRIL 1985 COULD OCCUR AGAIN, BECAUSE THE EQUIPMENT IS NOT PROPERLY DESIGNED TO BE FIXED DURING PLANT OPERATION. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. CONSTRUCTION DEPT. CONCERN. CI HAS NO FURTHER INFORMATION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 REWORK  
 OPERATIONS  
 GENERAL

HEALTH PHYSICS  
 DESIGN RELATED  
 OPERATIONS  
 RADIATION PROTECTN

6 CONCERNS FOR CATEGORY OP SUBCATEGORY 30803

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
 EMPLOYEE CONCERN PROGRAM SYSTEM (ECPS)  
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 SUBCATEGORY: 30804 PROGRAM DEFICIENCIES, PROCEDURE VIOLATIONS

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CATEGORY: OP PLANT OPER. SUPPORT

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
I-86-233-SQN	OP	30804	N SQN	N N N N		NS	AN ANONYMOUS INDIVIDUAL MAILED IN A POTENTIAL SAFETY HAZARD ASSOCIATED WITH THE CONDENSATE DEMINERALIZER WAS THE EVAPORATOR (CDWE) ON EL 706 OF THE AUXILIARY BUILDING AT SQN. THE ORIGINAL STAINLESS STEEL PIPING FOR PUMPING "BOTTOMS" FROM THE CDWE WAS REMOVED AND REPLACED BY A TEMPORARY RUBBER HOSE. EXTENSIVE MODIFICATIONS ARE BEING PERFORMED OVER THE RUBBER HOSE. WELDING HOT CHIPS HAVE BEEN OBSERVED FALLING ON THE RUBBER HOSE. DAMAGE TO OR RUPTURE IN THE HOSE WOULD RESULT IN POSSIBLE PERSONNEL
IN -86-110-001 T50129	OP	30804	N WBN	N N Y Y	I-85-455-WBN	SS	DURING ICE LOADING, TVA USED JACK HAMMERS TO COMPACT ICE TO ACHIEVE THE MINIMUM BASKET WEIGHT REQUIREMENTS. THIS COULD RESULT IN "CHANNELING" OF ICE AND ENDANGER CONTAINMENT INTEGRITY DURING A LOCA (LOSS OF COOLANT ACCIDENT). CI HAS NO ADDITIONAL INFORMATION. UNIT #1/NUC POWER CONCERN.
JAN-86-001	OP	30804	N SQN	N N N N		SS	PHONE CALL RECEIVED ABOUT DWG. BEING MARKED UP FOR WP10512 (CLASS 1E FILES ID) WITHOUT COMPLETING THE WORK.
JLH-86-002	OP	30804	N SQN	Y Y Y Y		SS	ELECTRICAL CONAX CONNECTORS HAVE BEEN INSTALLED WITH WIRE BEND RADIUS SMALLER THAN ALLOWED BY M&AI-19, PARAGRAPH 3.4.
SQP-85-004-006 T50233	OP	30804	N SQN	N N N N	I-86-165-SQN	NS	PROCEDURE MI-10.37 REQUIRES A 0-30 IN. LB. TORQUE WRENCH BE USED YET CRAFT ARE TOLD TO USE A 0-24 IN. LB. TORQUE WRENCH. CI FEELS CRAFT SHOULD NOT BE ASKED TO VIOLATE A PROCEDURE. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CORRECTIVE ACTION  
 OPERATIONS  
 GENERAL

NONCONFORMANCE  
 CORRECTIVE ACTION  
 GENERAL  
 GENERAL

5 CONCERNS FOR CATEGORY OP SUBCATEGORY 30804

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30805 TRAINING PROGRAM DEFICIENCIES

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
EAC-85-004	OP	30805	N	SQN	N N N N		NS	MONORAIL CRANES IN AUXILIARY BUILDING ELEVATION 714 ARE SOMETIMES SIDE LOADED WHILE HANDLING MISSILE PLUGS FROM FILTER CUBICLES.
SQP-85-004-005 T50233	OP	30805	N	SQN	N N N N		SS	CRANES ARE PERFORMING SIDE PULLS WHICH IS IN CONFLICT WITH THE CRANE OPERATOR TRAINING. NUCLEAR POWER CONCENTRATION. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

SAFETY PROGRAM  
 SAFETY CONDITION  
 CONSTRUCTION  
 EMPLOYEES

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 30805

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30806 SUBJOURNEYMAN/JOURNEYMAN

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
PH -85-005-001 T50032	OP	30806	N WBN	Y Y Y Y	IN-85-130-001	NS	POSSIBILITY OF SUBJOURNEYMEN PERFORM ING JOURNEYMEN'S WORK IN NUC PWR.. ALTHOUGH INDIVIDUAL HAD NO PERSONAL KNOWLEDGE OF THIS, HE STATED THAT HE THOUGH THIS SHOULD BE LOOKED INTO & VERIFIED ONE WAY OR ANOTHER.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

INSTALLATION  
 PERSONNEL FEELINGS  
 QUALITY  
 EMPLOYEES

1 CONCERNS FOR CATEGORY OP SUBCATEGORY 30806

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30807 CLAM CONTROL

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B
IN -85-948-001 T50251	OP	30807	N WBN	Y Y Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R  
 CONCERN  
 DESCRIPTION

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CORRECTIVE ACTION  
 PIPING  
 PIPE

IN -85-948-002 T50251	OP	30807	N WBN	Y Y Y Y
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NS INTAKE PUMPING STATION CANNOT OR DOES NOT SCREEN OUT MUSSELS. THE MUSSELS FOUND IN LINES ARE VERY SMALL AND PERHAPS ARE HATCHING. THE ECRW LINE IS ALSO CLOGGED WITH CONCRETE DEBRIS. AN 8" LINE MAY HAVE A 1 1/2" OPENING FOR WATER FLOW. THE FIRE PROTECTION SYSTEM WILL NOT OPERATE PROPERLY DUE TO THIS CLOGGING. EXAMPLE: 6" F.P. LINE IN UNIT 1 "HOT SHOP" WAS CUT 2-4 YEARS AGO, AND A 1' LENGTH OF PIPE HAD ENOUGH DEBRIS TO FILL A HARD HAT (713' ELEV. BEHIND SECURITY). CI HAD NO FURTHER INFORMATION.

NONCONFORMANCE  
 CORRECTIVE ACTION  
 PIPING  
 PIPE

IN -85-948-003 T50251	OP	30807	N WBN	Y Y Y Y
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NS PIPES TO THE SPRINKLER HEADS IN THE SWITCH YARD ARE FILLED WITH MUSSELS AND DEBRIS. EXAMPLES OF PAST CLOGGING ARE WHERE THE 4" DIAMETER HEADER JOINS THE 1" DIAMETER AROUND EVERY TRANSFORMER. CI HAD NO FURTHER INFORMATION. CONSTRUCTION DEPARTMENT CONCERN.

NONCONFORMANCE  
 FLUSHING  
 SYSTEMS  
 PIPE

NS THE FLUSH HOSE WAS STOPPED UP WITH MUSSELS AND IDENTIFIED WHILE FLUSHING THE SYSTEM TWO YEARS AGO. AUX. BLDG., UNIT #1, 692' ELEV. THIS SYSTEM WAS F.P. AND WAS SUPPOSED TO BE "DRY". CI HAD NO FURTHER INFORMATION. CONSTRUCTION DEPARTMENT CONCERN.

3 CONCERNS FOR CATEGORY OP SUBCATEGORY 30807



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 30905 TECHNICAL TRAINING

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -86-209-012 T50218	OP	30905	N	WBN	Y Y Y Y		NS	PERSONNEL PERFORMING STA (SHIFT TECH ICAL ADVISOR) TRAINING ARE ENGINEERS WITH LITTLE OR NOT EXPERIENCE AS AN STA THEMSELVES. IT WAS NOTED THAT TWO PERSONS THAT WERE BEING PROCESSE D THROUGH A PARTICULAR STA CLASS, WE RE SCHEDULED TO TEACH THE NEXT CLASS OF STA'S. ENGINEERS ARE BEING ASSI GNED THE TASK OF TRAINING STA'S IN P LANT OPERATIONS, OF WHICH THEY THEM SELVES HAVE LITTLE OR NO EXPERIENCE. CI HAS NO ADDITIONAL INFORMATION. NUC. POWER DEPT. CONCERN.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

TRAINING  
 QUALIFICATION  
 ENGINEERING  
 GENERAL

1 CONCERNS FOR CATEGORY. OP SUBCATEGORY 30905

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 31001 OPERATIONS PROGRAM/PROCEDURES INADEQUATE

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
SQM-86-013-002 T50268	OP	31001	N SQN	Y Y Y Y		NS	AN ITEMIZED LIST FOR THE PROPER SIZE VOLTAGE, AMPERAGE, AND TYPE OF BULB S AND FUSES NEEDS TO BE AVAILABLE TO OPERATIONS FOR ALL EQUIPMENT UNDER THEIR CONTROL. NUCLEAR POWER CONCERN. ANONYMOUS CONCERN.	PERSONNEL FEELINGS PROGRAMMATIC ELECTRICAL EQUIPMENT
SQP-85-003-001 T50227	OP	31001	N SQN	N N N N	I-85-137-SQN	SS	SEQUOYAH - ON THE EVENING OF 12-9-85, AN ELECTRICIAN OPERATED A VALVE IN THE UNIT 2 RHR HEAT EXCHANGER ROOM WITHOUT A UNIT OPERATOR PRESENT. TH IS CAUSED A SPILL (UNKNOWN AMOUNT) O F WHAT THE CI DESCRIBED AS "REACTOR GRADE" (HIGHLY RADIOACTIVE) WATER IN TO THE ROOM. THE SPILL WAS SECURED BY A HEALTH PHYSICS TECHNICIAN WHO H APPENDED TO BE IN THE AREA. CI STATE D THAT IT WAS ALLEGED THAT A UNIT OP ERATOR HAD TOLD THE ELECTRICIAN TO G O AND SEPARATE THE VALVE, AND THAT U NIT OPERATORS ARE NOT AUTHORIZED	NONCONFORMANCE CORRECTIVE ACTION PIPING VALVES
XX -85-022-001 T50039	OP	31001	N SQN	N N N N		NS	OPERATORS AT SEQUOYAH SHOULD SHOW MO RE CONCERN & EXERCISE MORE CAUTION W HEN TAGGING OUT VALVES. WHILE REMOV ING TEST CONN & INSTALLING BLIND FLG @ RC PMP #2, OPERATORS STARTED FILLI NG SYS WHILE CRAFT WAS STILL WORKING . THIS OCCURRED IN SEPTEMBER 1984. NAMES ARE KNOWN	CORRECTIVE ACTION IDENTIFICATION OPERATIONS VALVES
XX -85-067-001 T50194	OP	31001	N SQN	N N N N	I-85-862-SQN	NS	SEQUOYAH - SMALL PROBLEMS IN PLANT O PERATION WERE DISREGARDED (1983), AN D THE PLANT (UNIT 1) WAS KEPT OPERAT ING AS IF IN A RACE, WHICH RESULTED IN BIGGER PROBLEMS. NUC. POWER DEPT . CONCERN. CI HAS NO FURTHER INFORM ATION AND HAS EXPRESSED THIS AS A GE NERIC CONCERN.	NONCONFORMANCE CORRECTIVE ACTION OPERATIONS GENERAL

4 CONCERNS FOR CATEGORY OP SUBCATEGORY 31001

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 31002 OPERATOR QUALIFICATIONS

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -86-209-013 T50218	OP	31002	N WBN	Y Y Y Y		NS	SINCE THE PLANT OPERATOR TRAINING WAS CONDUCTED AT THE SAME TRAINING CENTER, UNDER THE SAME MANAGEMENT AS THE STA (SHIFT TECHNICAL ADVISOR) PROGRAM; THE QUALITY OF THE OPERATOR TRAINING THAT STARTED APPROXIMATELY 10 YEARS AGO MAY HAVE BEEN AS INADEQUATE AS THE STA TRAINING. CI HAS NO ADDITIONAL INFORMATION. NUC. POWER DEPT. CONCERN.	TRAINING QUALIFICATION OPERATIONS GENERAL
WI -85-060-001 T50149	OP	31002	N WBN	Y Y Y Y		NS	SHIFT ENGINEERS (SE) AND ASSISTANT SHIFT ENGINEERS (ASE) ARE INADEQUATELY TRAINED IN ELECTRICAL STATION OPERATION (SWITCH YARD, OFF-SITE POWER FEED, ETC.) SUCH THAT THERE COULD BE AN EXCESSIVE DELAY IN RESTORING OFF SITE POWER FEED INTO WBNP IN THE EVENT OF AN EMERGENCY. C/I FEELS THAT SE/ASE PERSONNEL SHOULD RECEIVE BETTER TRAINING IN THIS AREA. C/I HAS NO FURTHER INFORMATION. NO FOLLOW-UP REQUIRED.	TRAINING QUALIFICATION ENGINEERING EMPLOYEES
XX -85-093-001 T50149	OP	31002	N SQN	Y Y N Y	I-85-619-SQN	NS	SEQUOYAH: SHIFT ENGINEERS (SE) AND ASSISTANT SHIFT ENGINEERS (ASE) ARE INADEQUATELY TRAINED IN ELECTRICAL STATION OPERATION (SWITCHYARD, OFF-SITE POWER FEED, ETC.) SUCH THAT THERE COULD BE AN EXCESSIVE DELAY IN RESTORING OFF SITE POWER FEED TO THE PLANT IN THE EVENT OF AN EMERGENCY. C/I FEELS THAT SE/ASE PERSONNEL SHOULD RECEIVE BETTER TRAINING IN THIS AREA. C/I HAS NO FURTHER INFORMATION. NO FOLLOW-UP REQUIRED.	TRAINING QUALIFICATION ENGINEERING EMPLOYEES

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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 SUBCATEGORY: 31002 OPERATOR QUALIFICATIONS

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CATEGORY: OP PLANT OPER. SUPPORT

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-093-002 T50149	OP	31002	N	BLN	Y Y Y Y	I-85-620-BLN	NS	BELLEFONTE: SHIFT ENGINEERS (SE) AND ASSISTANT SHIFT ENGINEERS (ASE) ARE INADEQUATELY TRAINED IN ELECTRICAL STATION OPERATION (SWITCHYARD, OFF-SITE POWER FEED, ETC.) SUCH THAT THERE COULD BE AN EXCESSIVE DELAY IN RESTORING OFF SITE POWER FEED TO THE PLANT IN THE EVENT OF AN EMERGENCY. C/I FEELS THAT SE/ASE PERSONNEL SHOULD RECEIVE BETTER TRAINING IN THIS AREA. C/I HAS NO FURTHER INFORMATION. NO FOLLOW-UP REQUIRED.
XX -85-093-003 T50149	OP	31002	N	BFN	Y Y Y Y	I-85-621-BFN	NS	BROWN'S FERRY: SHIFT ENGINEERS (SE) AND ASSISTANT SHIFT ENGINEERS (ASE) ARE INADEQUATELY TRAINED IN ELECTRICAL STATION OPERATION (SWITCHYARD, OFF-SITE POWER FEED, ETC.) SUCH THAT THERE COULD BE AN EXCESSIVE DELAY IN RESTORING OFF SITE POWER FEED TO THE PLANT IN THE EVENT OF AN EMERGENCY. C/I FEELS THAT SE/ASE PERSONNEL SHOULD RECEIVE BETTER TRAINING IN THIS AREA. C/I HAS NO FURTHER INFORMATION. NO FOLLOW-UP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

TRAINING  
 QUALIFICATION  
 ENGINEERING  
 EMPLOYEES

TRAINING  
 QUALIFICATION  
 ENGINEERING  
 EMPLOYEES

5 CONCERNS FOR CATEGORY OP SUBCATEGORY 31002

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 31003 OPR PROCEDURES NEED CLARIFICATION REWRITTEN & USED

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -86-055-003 750114	OP	31003	N	WBN	N N Y N	I-85-415-WBN	NS	1984. 300 GALLONS OF HYDRZINE SPILL ED IN RB #1, LOWER CONTAINMENT. THI S IMPLIES CONCERN WITH INADEQUACIES IN PLANT OPERATIONS/PROCEDURE ADHERE NCE/CONTROL OF VALVE & SYSTEMS OPERA TION. CI HAS NO FURTHER INFORMATION . NUCLEAR POWER CONCERN.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 CORRECTIVE ACTION  
 OPERATIONS  
 INDUSTRIAL SAFETY

1 CONCERNS FOR CATEGORY OP SUBCATEGORY 31003

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 31101 HEALTH PHYSICS STAFF TRAINING

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-024-001 T50208	OP	31101	N SQN	N N N N		NS	SEQUOYAH: HEALTH PHYSICS PERSONNEL NOT AWARE OF PROTECTIVE EQUIPMENT REQUIRED FOR WORK AREA. EXAMPLE: HP AT ENTRANCE TO RADIATION AREA INFORMED CRAFT THAT PARTICULATE MASKS WERE NOT REQUIRED. WHILE WORKING, HP TOLD CRAFT TO STOP WORK AND LEAVE AREA BECAUSE THEY DID NOT HAVE PARTICULATE MASKS. THIS HAPPENED IN 1983 AND 1984. NUCLEAR POWER CONCERN. UNITS 1 & 2.
XX -85-102-009 T50172	OP	31101	N BFN	N Y Y Y	I-85-730-BFN	NS	BROWN'S FERRY: THE PERMANENT PLANT HEALTH-PHYSICS PEOPLE ARE POORLY TRAINED. CI DOES NOT FEEL THE PRESENT HP STAFF HAS AN ADEQUATE KNOWLEDGE OF WORKING IN RADIATED AREAS. NUCLEAR POWER DEPT. CONCERN. CI HAS NO ADDITIONAL INFORMATION. NO FOLLOW UP REQUIRED.
XX -85-102-012 T50172	OP	31101	N SQN	Y Y N Y	I-85-734-SQN	NS	SEQUOYAH: THE PERMANENT PLANT HEALTH PHYSICS PERSONNEL ARE POORLY TRAINED. CI DOES NOT FEEL THE PRESENT HP STAFF HAS AN ADEQUATE KNOWLEDGE OF WORKING IN RADIATED AREAS. NUCLEAR POWER DEPT. CONCERN. CI HAS NO ADDITIONAL INFORMATION. NO FOLLOW UP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

HEALTH PHYSICS  
 SAFETY PROGRAM  
 OPERATIONS  
 RADIATION PROTECTN

HEALTH PHYSICS  
 SAFETY PROGRAM  
 OPERATIONS  
 RADIATION PROTECTN

HEALTH PHYSICS  
 SAFETY PROGRAM  
 OPERATIONS  
 RADIATION PROTECTN

3 CONCERNS FOR CATEGORY OP SUBCATEGORY 31101

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 31102 RADIOACTIVE MATERIAL CONTROL

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
JAM-86-001	OP	31102	N SQN	N N N N		NS	RADIOLOGICAL HYGIENE PROBLEM OF CONTAMINATED MATERIAL STORED IN LOCKERS AND CABINETS WHICH ARE NOT PROPERLY LABELED. MATERIAL STORED IN AUX. BUILDING.
MRS-85-003	OP	31102	N SQN	Y Y Y Y		SS	GREEN TAG IS NO LONGER REQUIRED AT THE CLEAN TOOL ROOM
XX -85-005-001	OP	31102	N SQN	N N N N		NS	SEQUOYAH PLANT; CONTAMINATED WATER DUMPED INTO RIVER (REF IN-85-049)
XX -85-101-003 T50162	OP	31102	N SQN	N N N N	I-85-543-SQN	NS	SEQUOYAH- 1980, THERE WAS AN UNKNOWN QUANTITY OF RADIOACTIVE WATER SPILLED INTO THE UNCONTROLLED DRAIN SYSTEM DUE TO A VALVE ON A WATER SAMPLING STATION IN THE TURBINE BUILDING BEING LEFT OPEN. CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

SAFETY CONDITION  
 POWER  
 HEALTH PHYSICS  
 GENERAL

HEALTH PHYSICS  
 SAFETY PROGRAM  
 OPERATIONS  
 RADIATION PROTECTION

4 CONCERNS FOR CATEGORY OP SUBCATEGORY 31102

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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 RUN DATE - 08/18/86

CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 31103 EXPOSURE LIMITS AND RECORDS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
XX -85-007-001 T50086	OP	31103	N	WBN	Y Y Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R  
 CONCERN  
 DESCRIPTION

NS QUESTION DAILY LIMITS OF ACCEPTABLE RADIATION EXPOSURE AT SEQUOYAH AND WONDERS IF THEY WILL BE SAME HERE AT WATTS BAR? TVA DOES NOT HAVE DAILY DOSAGE LIMITS; IT HAS QUARTERLY AND YEARLY DOSAGE LIMITS. THERE WERE NUMEROUS CASES OF OVER EXPOSURE ABOUT 2-3 YEARS AGO. WHEN OVER-EXPOSED, EMPLOYEE WILL BE LAID OFF. THIS IS THE CORRECTIVE ACTION TVA USES FOR OVER-EXPOSURE AT SEQUOYAH. CI HAS NO FURTHER INFORMATION

XX -85-028-001 T50036	OP	31103	N	SQN	N N N N
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NS WHILE AT ANOTHER TVA FACILITY INDIVIDUAL WAS EXPOSED TO THE MAXIMUM AMOUNT OF RADIATION. RWP WAS ADJUSTED BY HEALTH PHYSICS TO REFLECT AN INCREASE IN RADIATION ALLOWANCE. (NAME AND DETAILS KNOWN BY QTC)

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

HEALTH PHYSICS  
 SAFETY CONDITION  
 OPERATIONS  
 RADIATION PROTECTN

HEALTH PHYSICS  
 HEALTH PHYSICS  
 HEALTH PHYSICS  
 EMPLOYEES

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 31103



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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 SUBCATEGORY: 31104 HP POLICY, PRACTICES AND MANAGEMENT CONTROL

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CATEGORY: OP PLANT OPER. SUPPORT

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
I-86-238-SQN	OP	31104	N	SQN	N N N N

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R

CONCERN  
 DESCRIPTION

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

JLH-86-003	OP	31104	N	SQN	Y Y Y Y
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NS AN ANONYMOUS INDIVIDUAL MAILED IN A SAFETY CONCERN TO NSRS REQUESTING THAT EMERGENCY PROCEDURES BE WRITTEN TO ENCOMPASS ALL ASPECTS OF POSSIBLE EMERGENCY SITUATIONS IN A C-ZONE. PROCEDURES SHOULD COVER SPECIFIC AREAS, SUCH AS: SPREAD OF CONTAMINATION, POSSIBILITY OF INJURY, POSSIBILITY OF A FIRE, POSSIBILITY OF POOR BREATHING ATMOSPHERE, ETC.

NS PER TVA'S GET CLASS AND PLANT PROCEDURES, EMPLOYEES ARE TO FRISK AS SOON AS EXITING A "C-ZONE". CURRENTLY, AN EMPLOYEE HAS TO SEARCH FOR A FRISKER. IN THE PROCESS OF LOOKING FOR A FRISKER, AN EMPLOYEE CAN CONTAMINATE DOORS AND/OR THE FLOOR. ONE OF TVA'S OBJECTIVES IS TO KEEP DOWN CONTAMINATION, AND THE CURRENT PROCESS DOES NOT ADEQUATELY CONTROL THE SPREADING OF CONTAMINATION.

JMA-85-001	OP	31104	N	SQN	Y Y Y Y
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SS A HIGH RISK POSSIBILITY OF NOT SECURING ABSCE TYPE BREACHES. IF A VALID HIGH RADIATION CONDITION OCCURS IN THE AUX. BUILDING OR DURING AN ANNOUNCED EVACUATION OR EVACUATION ALARM SOUNDED MAY CAUSE PERSON TO LEAVE AUX. BUILDING PRIOR TO SEALING PENETRATION.

SQP-86-009-001 T50273	OP	31104	N	SQN	N N N N
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NS AN INCIDENT AT SEQUOYAH, WHICH RESULTED IN EMPLOYEES BEING RADIOACTIVELY CONTAMINATED, COULD HAVE BEEN PREVENTED, AND REFLECTS MANAGEMENT'S ATTITUDE TOWARD RADIATION SAFETY AND PERSONAL SAFETY OF THE EMPLOYEES. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. NUCLEAR POWER DEPARTMENT CONCERN.

HEALTH PHYSICS  
 SAFETY PROGRAM  
 OPERATIONS  
 RADIATION PROTECTN

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 31104 HP POLICY, PRACTICES AND MANAGEMENT CONTROL

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
WI -85-038-001 T50026	OP	31104	N WBN	Y Y Y N		NS	WATTS BAR: THE PRACTICE OF PERSONS ENTERING THE LOWER CONTAINMENT AREA OF THE REACTOR CONTAINMENT FOR NON-EMERGENCY REPAIRS; WHILE THE REACTOR IS OPERATING, SHOULD BE RE-EVALUATED. RECENT STUDIES INDICATE THE BIOLOGICAL EFFECTS OF PERSONNEL EXPOSURE TO NEUTRON FLUX ARE MORE SERIOUS THAN PREVIOUSLY BELIEVED. THIS PRACTICE IS IN EFFECT AT SEQUOYAH AND RESULTED IN AN ACCIDENT AROUND 1983/1984 AND IS PLANNED TO BE IMPLEMENTED AT WATTS BAR.	SAFETY PROGRAM HEALTH PHYSICS GENERAL EMPLOYEES
XX -85-009-002 T50193	OP	31104	N SQN	N N N N	I-85-513-SQN	NS	SEQUOYAH: THERE IS NO REGARD FOR PERSONAL SAFETY AT OPERATING PLANTS. MANAGEMENT (KNOWN) DIRECTED THAT THE OLDEST EMPLOYEES BE ASSIGNED TO "HOT" WORK IN ORDER FOR THEM TO REACH THEIR RADIATION EXPOSURE LEVELS FIRST. A SUPERVISOR (KNOWN) MADE THE STATEMENT THAT "OLDER FOLKS WON'T BE LONG AROUND". DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. CONSTRUCTION DEPT. CONCERN. CI HAS NO FURTHER INFORMATION.	SAFETY PROGRAM SAFETY CONDITION OPERATIONS EMPLOYEES
XX -85-015-001 T50078	OP	31104	N SQN	N N N N	XX-85-015-001	NS	SEQUOYAH: THE PRACTICE OF PERSONNEL ENTERING THE LOWER CONTAINMENT AREA OF THE REACTOR CONTAINMENT FOR NON-EMERGENCY REPAIRS WHILE THE REACTOR IS OPERATING SHOULD BE RE-EVALUATED SINCE RECENT STUDIES INDICATE THE BIOLOGICAL EFFECTS OF PERSONNEL EXPOSURE TO NEUTRON FLUX ARE MORE SERIOUS THAN PREVIOUSLY BELIEVED. THIS PRACTICE CAUSED AN ACCIDENT IN THE INCORE INSTRUMENT PROBE ROOM AT SEQUOYAH IN 1984 AND IS STILL CONTINUED. C/I HAS NO FURTHER INFORMATION.	SAFETY PROGRAM SAFETY CONDITION OPERATIONS GENERAL
XX -85-026-001 T50028	OP	31104	N SQN	N N N N		SS	SEQUOYAH: INADEQUATE UPPER MANAGEMENT SUPPORT PROVIDED THE HEALTH PHYSICS DEPT. TO ENFORCE AN EFFECTIVE RADIOLOGICAL SAFETY PROGRAM. NO DISCIPLINARY ACTION IS TAKEN WHEN EMPLOYEES INTENTIONALLY BY-PASS MONITORS.	HEALTH PHYSICS TRAINING OPERATIONS RADIATION PROTECTN

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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 SUBCATEGORY: 31104 HP POLICY, PRACTICES AND MANAGEMENT CONTROL

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CATEGORY: OP PLANT OPER. SUPPORT

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-028-X03 T50148	OP	31104	N SQN	Y Y Y Y	I-85-514-SQN	NS	SEQUOYAH- RADIATION WORK PERMITS ARE NOT BEING COMPLETED PER PROCEDURE R EQUIREMENTS. RADIATION WORK PERMIT 02-2-00214 IS AN EXAMPLE. NO FOLLOW UP REQUIRED
XX -85-063-001 T50175	OP	31104	N SQN	N N N N	I-85-775-SQN	NS	SEQUOYAH OPERATORS AND HEALTH PHYSICS: FAILURE TO KNOW AND VERIFY THE CONTENTS OF SYSTEM. EXAMPLE: HEALTH PHYSICS GAVE GO AHEAD TO OPEN A LINE IN TURBINE BUILDING, UNIT 2, SAYING EVERYTHING WAS O.K. AND CLEAN. AFTER OPENING THE LINE, THE NEXT NIGHT, THE ENTIRE AREA WAS ROPED OFF FOR CONTAMINATION. THIS OCCURRED IN JAN/FEB 84. C/I HAS NO FURTHER INFORMATION. NUC. POWER CONCERN.
XX -85-066-001 T50134	OP	31104	N SQN	N N N N	XX-85-066-001	NS	SEQUOYAH - 3 YEARS AGO, HEALTH PHYSICS AT SEQUOYAH WAS NOTIFIED OF HIGHER THAN EXPECTED RADIATION LEVELS IN THE REACTOR BUILDING. WHEN NOTIFIED BY TELEPHONE, HP PERSONNEL SPECULATED ON THE REASONS FOR THE HIGH RADIATION LEVEL, AND DID NOT RESPOND IMMEDIATELY TO INVESTIGATE. CI FEELS THAT WASTING TIME SPECULATING ON CAUSE AND NOT RESPONDING IMMEDIATELY IS A CONCERN FOR SAFETY. NUCLEAR POWER DEPT CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED
XX -85-084-001 T50181	OP	31104	N SQN	N N N N	I-85-806-SQN	NS	QUESTIONABLE PRACTICES BY HEALTH PHYSICS @ SEQUOYAH IN 1982 LEAD TO POSSIBLE OVER EXPOSURE. H.P. WOULD RESPOND TO RADIATION ALARMS AND UNPLUG UNITS. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. CONST. DEPT. CONCERN. C/I HAS NO FURTHER INFORMATION.
XX -85-098-002 T50152	OP	31104	N SQN	Y Y N Y	I-85-615-SQN	NS	SEQUOYAH - RADIATION AREAS ARE NOT MONITORED OFTEN ENOUGH. NUCLEAR POWER CONCERN. CI HAS NO ADDITIONAL INFORMATION. NO FOLLOWUP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

RECORDS  
 NONCONFORMANCE  
 HEALTH PHYSICS  
 REPORTS

HEALTH PHYSICS  
 SAFETY PROGRAM  
 OPERATIONS  
 RADIATION PROTECTN

HEALTH PHYSICS  
 SAFETY CONDITION  
 OPERATIONS  
 RADIATION PROTECTN

HEALTH PHYSICS  
 SAFETY PROGRAM  
 OPERATIONS  
 RADIATION PROTECTN

HEALTH PHYSICS  
 SAFETY PROGRAM  
 OPERATIONS  
 RADIATION PROTECTN

13 CONCERNS FOR CATEGORY OP SUBCATEGORY 31104

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 31105 ALARA

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-869-001 T50155	OP	31105	S WBN	N N Y Y		NS	MANWAY DOOR AT THE BOTTOM STEAM GENERATOR TAKES APPROX. 20 MINUTES TO OPEN AND 3-4 HOURS TO CLOSE DUE TO A COMPLICATED PROCESS NECESSITATED BY POOR DESIGN. IF THE COMEALONG SLIPS, IT IS MOST LIKELY THAT PERSONNEL WOULD BE PINNED BETWEEN THE SIDING ARM AND HAND RAIL. THERE ARE 5 REMS/HOUR ESCAPING WHILE THIS DOOR IS OPEN. A WAY TO OPEN/CLOSE THIS DOOR MUST BE FOUND THAT WOULD TAKE ONLY 20 MINUTES TOTAL. CONSTR. DEPT. CONCERN. UNITS 1 AND 2. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.
WBN-0065	OP	31105	N WBN	N N Y Y		NS	THE TIME REQUIRED TO CALIBRATE OR REPAIR 1-LT-77-125,126,410,411, WHICH ARE LOCATED IN THE RACEWAY ON UNIT 1 IS A POTENTIAL ALARA CONCERN
XX -85-052-001 T50153	OP	31105	S SQN	N N N Y	I-85-558-SQN	NS	SEQUOYAH-MANWAY DOOR AT THE BOTTOM OF STEAM GENERATOR TAKES APPROX. 20 MINUTES TO OPEN AND 3-4 HOURS TO CLOSE DUE TO COMPLICATED PROCESS NECESSITATED BY POOR DESIGN. IF A COMEALONG SLIPS, IT IS MOST LIKELY THAT PERSONNEL WOULD BE PINNED BETWEEN THE SWING-ARM AND HAND RAIL. THERE ARE 5 REMS/HOUR ESCAPING WHILE THIS DOOR IS OPEN. A WAY TO OPEN/CLOSE THIS DOOR MUST BE FOUND THAT WOULD TAKE ONLY 20 MINUTES TOTAL. UNITS 1 AND 2. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

HEALTH PHYSICS  
 SAFETY CONDITION  
 OPERATIONS  
 RADIATION PROTECTN

HEALTH PHYSICS  
 SAFETY CONDITION  
 OPERATIONS  
 RADIATION PROTECTN

3 CONCERNS FOR CATEGORY OP SUBCATEGORY 31105

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
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 SUBCATEGORY: 31106 HP FACILITIES, CLOTHING & PROTECTIVE EQUIPMENT

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CATEGORY: OP PLANT OPER. SUPPORT

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
HLA-85-001	OP	31106	N	SQN	N N N N		SS	PERSONNEL CAN LEAVE THE SITE WITHOUT A FINAL CHECK FOR CONTAMINATION.
I-86-235-SQN	OP	31106	N	SQN				AN ANONYMOUS INDIVIDUAL MAILED IN A SAFETY CONCERN TO NSRS STATING THAT THE PROPER C-ZONE CLOTHING FOR ENTERING THE ROOMS AT THE CONDENSATE DEMINERALIZER WASTE EVAPORATOR BUILDING IS NOT READILY AVAILABLE. PREVIOUS ATTEMPTS TO PLACE SOTRAGE CABINETS STOCKED WITH C-ZONE CLOTHING IN THE AREA HAVE BEEN TURNED DOWN.
MRS-85-002	OP	31106	N	SQN	Y Y Y Y		SS	NO PORTAL MONITOR EXISTS AT PLANT EXIT
MRS-85-004	OP	31106	N	SQN	Y Y Y Y		NS	C-ZONE CLOTHES ARE NOT BEING PATCHED BY THE LAUNDRY
SQN-85-001-001	OP	31106	N	SQN				DURING OUTAGES SOME PERSONNEL IN AN AREA HAVE BEEN REQUIRED TO WEAR FACE MASKS WHILE OTHERS IN THE SAME AREA HAVE NOT. AT TIMES HP DIDN'T WEAR ONE. LOWER CONTAINMENT, MAY 1985 TIMEFRAME.
XX -85-101-004 T50162	OP	31106	N	SQN	Y Y N Y	I-85-652-SQN	NS	SEQUOYAH- CI EXPRESSED THAT INSUFFICIENT ATTENTION TO DETAIL IS GIVEN IN REGARDS TO MINIMIZING RADIATION EXPOSURE. DUE TO THE POLICY OF REFUSING OUTER GLOVES IN RADIATION AREAS, CI HAS OBSERVED USED GLOVES, AVAILABLE FOR REUSE, WHICH WERE CONTAMINATED TO A LEVEL 5 TIMES THAT OF THE AREA IN WHICH THE EMPLOYEE WAS WORKING. CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

HEALTH PHYSICS  
 SAFETY PROGRAM  
 OPERATIONS  
 RADIATION PROTECT

6 CONCERNS FOR CATEGORY OP SUBCATEGORY 31106

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 31204 MANAGEMENT AND PERSONNEL ISSUES

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-043-003 T50237	OP	31204	N	SQN	N N N N		NS	SEQUOYAH: PUBLIC SAFETY SUPERVISION CHANGES REGULATIONS AT THEIR OWN DIS CRETION. CI DECLINED TO PROVIDE ADD ITIONAL INFORMATION. NUCLEAR POWER DEPARTMENT CONCERN. NO FOLLOW UP RE QUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

PERSONNEL FEELINGS  
 PUBLIC SAFETY  
 GENERAL  
 GENERAL

1 CONCERNS FOR CATEGORY OP SUBCATEGORY 31204

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 31211 SECURITY DESIGN AND HARDWARE

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-619-002 T50059	OP	31211	N WBN	Y Y Y Y	IN-85-619-002	NS	CARD READERS USED IN SECURITY SYSTEM S ARE UNRELIABLE AND OFTEN PRESENT F ALSO READOUTS OF KEYCARD NUMBERS; PE RSONNEL IDENTITY. GENERIC CONCERN, NO FURTHER DETAILS AVAILABLE.	SECURITY POWER GENERAL SECURITY
IN -85-955-001 T50104	OP	31211	N WBN	N N Y Y	I-85-364-WBN	NS	POWER IS FREQUENTLY AND CONSISTENTLY LOST AT THE CENTRAL ALARM STATION W HEN OPERATIONS IS TRANSFERRING POWER TO SUPPORT ON-GOING ACTIVITIES. THI S RENDERS ALL SYSTEMS (COMPUTERS, VI TAL AREA ACCESS DOORS, COMMUNICATION S, ETC.) INOPERABLE. PSS MANAGEMENT CONTINUOUSLY REQUESTS ADVANCE NOTIC E OF THESE EVENTS TO NO AVAIL. KNOX VILLE HAS BEEN MADE AWARE OF THIS PR OBLEM AND HAS RESPONDED BY SAYING TH AT THE CENTRAL ALARM STATION POWER I S INDEPENDENT OF OTHER POWERSOURCES AND THIS EVENT CANNOT OCCUR-YET	DESIGN PROCESS NONCONFORMANCE ENGINEERING DC POWER
IN -86-291-007 T50147	OP	31211	N WBN	N N Y Y	I-85-622-WBN	SS	MAY/JUNE 1985. A FLOODING CONDITION EXISTED AT THE INTAKE PUMPING STATI ON. WHEN THE "ALARM" WAS ANNOUNCED IT TOOK FORTY (40) MINUTES BEFORE TH E APPROPRIATE PERSONNEL COULD BE CLE ARED THROUGH SECURITY SO THE CONDI TION COULD BE CORRECTED. THIS DELAY I S DUE TO THE "POWER "BLOCK" SECURITY CONCEPT AND THAT THE INTAKE PUMPING STATION IS OUT OF THE POWER BLOCK A REA. (NAMES/DETAILS KNOWN TO QTC AN D WITHHELD TO MAINTAIN CONFIDENTIALI TY). NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION. NO FOL	SAFETY CONDITION SCHEDULE SYSTEMS SECURITY
XX -85-032-001 T50087	OP	31211	N SQN	N N N N	XX-85-032-001	NS	SEQUOYAH- RELOCATION OF SECURITY POR TALS ABOUT SIX MONTHS AGO TO TURBINE BUILDING & DOING AWAY WITH THE PRES ENT OPERATION OF THE "T-CUP BUILDING " WHICH WAS SERVING AS A SECURITY PO RTAL COULD LEAVE AREAS OPEN TO SABOT AGE. PER CI SECURITY SHOULD BE AROU ND THE ENTIRE PLANT, NOT LEAVING MAJ OR PARTS OPEN FOR SABOTAGE. CI HAS NO FURTHER INFORMATION.	SECURITY DESIGN PROCESS GENERAL GENERAL

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 31211 SECURITY DESIGN AND HARDWARE

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-099-001 T50151	OP	31211	N SQN	N N N Y	I-85-616-SQN	NS	SEQUOYAH- THE PLANT NEEDS TO BE MORE SECURE. THE PROTECTED AREA NEEDS T O BE LARGER. NUCLEAR POWER DEPT CON CERN. CI HAS NO FURTHER INFORMATION . NO FOLLOW-UP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

SECURITY  
 DRUGS/THEFT/WEAPON  
 OPERATIONS  
 SECURITY

5 CONCERNS FOR CATEGORY OP SUBCATEGORY 31211



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 31302 PERSONNEL SAFETY (HARDWARE)

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
RMM-85-001	OP	31302	N	SQN	N N N N			LIGHTS OUT IN STAIRWELL IN O & PS BU ILDING.
RMM-85-002	OP	31302	N	SQN	N N N N			LIGHTS OUT AGAIN IN STAIRWELL IN O & PS BUILDING. PM PROGRAM NEEDED

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

2 CONCERNS FOR CATEGORY OP SUBCATEGORY 31302

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 31303 HOUSEKEEPING

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
SQM-86-001-001 T50240	OP	31303	N	SQN	

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R

CONCERN  
 DESCRIPTION

CI FEELS THE VACUUM CLEANERS ARE TOO  
 BIG TO PROPERLY CLEAN IN SMALL AREA  
 S AND ARE TOO HEAVY TO MANEUVER EASI  
 LY OR QUICKLY THEREFORE LOSING TIME  
 TO DO THE JOB. NUCLEAR POWER CONCER  
 N. CI HAS NO FURTHER INFORMATION. N  
 O FOLLOW UP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

PERSONNEL FEELINGS  
 FLUSHING  
 GENERAL  
 HOUSEKEEPING

1 CONCERNS FOR CATEGORY OP SUBCATEGORY 31303

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: OP PLANT OPER. SUPPORT

SUBCATEGORY: 31307 SQN INSULATION

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
SQN-85-001-002	OP	31307	N	SQN	Y Y Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R CONCERN  
 DESCRIPTION

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

SS THERE IS FIBERGLASS INSULATION AT THE  
 BOTTOM OF EACH STEAM LINE NEXT TO  
 THE STEAM GENERATOR. CI HAS BEEN TO  
 LD THAT THERE SHOULD BE NO INSULATION  
 OTHER THAN MIRROR INSIDE CONTAINMENT.  
 DECEMBER 1985 TIMEFRAME.

1 CONCERNS FOR CATEGORY OP SUBCATEGORY 31307

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 31309 PLANT IMPROVEMENTS/SUGGESTIONS

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CATEGORY: OP PLANT OPER. SUPPORT

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
WBN-0135	OP	31309	N	WBN	Y Y Y Y		NS	WBN SHOULD INVEST IN BOTH POLAROID C AMERAS AND PORTABLE VCR CAMERAS FOR PERIODS OF TIME WHEN MODIFICATION OR MAINTENANCE WORK IS TO BE DONE IN A HIGH RADIATION AREA. PICTURES OR M OVIES COULD BE REVIEWED BEFORE HAND BY ALL WHO WILL WORK ON ITEM TO HELP KEEP EXPOSURE DOWN AND TO HELP COOR DINATE BETWEEN GROUPS GOING INTO ARE A.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

1 CONCERNS FOR CATEGORY OP SUBCATEGORY 31309

REFERENCE - ECPS111J-ECPS111C  
FREQUENCY - REQUEST  
ONP - ISSS - RWM

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SUBCATEGORY: 31309 PLANT IMPROVEMENTS/SUGGESTIONS

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CATEGORY: OP PLANT OPER. SUPPORT

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
					B B S W F L Q B			

149 CONCERNS FOR CATEGORY OP

KEYWORD A  
KEYWORD B  
KEYWORD C  
KEYWORD D

REFERENCE - ECPS111J-ECPS111C  
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 ONP - ISSS - RWM

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ATTACHMENT C 50F-6

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 00000

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
HI -85-050-002	QA	00000	N	WBN	Y Y Y N		SS	WELDERS ON "RESTRICTIONS" (NOT ALLOWED TO WELD) ARE TOLD TO KEEP THEIR CERTIFICATIONS UPDATED EVEN WITHOUT USING THE PROCESS OR TIME IN THE TEST SHOP. (NAMES NOT KNOWN)	
HI -85-094-N02	QA	00000	N	SQN	N N N N		NS	NRC IDENTIFIED THE FOLLOWING CONCERN FROM REVIEW OF THE QTC FILE: "THE AS-BUILT CONDITION OF THE PLANT DOES NOT MATCH THE DESIGN DRAWINGS. THE ERCW IS HAVING ITS CARBON STEEL PIPING CHANGED TO STAINLESS STEEL, THE WORK HAS BEEN DIVIDED INTO MANY WORK PLANS WHICH ARE BEING INSTALLED PIECEMEAL AT VARIOUS OUTAGES. THERE IS A GOOD CHANGE THAT SEQUOYAH HAS BEEN OPERATING THE PLANT IN AN UNANALYZED CONDITION SINCE IT IS DOUBTFUL THAT THE STRESS ANALYST HAS ANALYZED ALL PIPING CONFIGURATIONS THAT	
I-86-211-SQN	QA	00000	N	SQN				DURING THE COURSE OF INVESTIGATING ANOTHER CONCERN, NSRS RECEIVED THE FOLLOWING AS A BY-PRODUCT OF CONTACT WITH THE CONCERNED INDIVIDUAL (CI). SQN PROCEDURE HANDLING	
								NG SAFETY CONCERNS NOT BEING FOLLOWED. THE CI FILED A SAFETY CONCERN VIA 45 - QUALIFIED WELDERS AT SQN AND A QUALIFIED UPDATE PROGRAM AND CONTRARY TO THE PROCEDURE WAS NEVER NOTIFIED IN WRITING OF ACTION TAKEN.	
IN -85-933-010 T50265	QA	00000	N	WBN	Y Y Y Y		NS	TVA SHOULD CONTINUE AND EXPAND ITS ALREADY ESTABLISHED PROGRAM OF HAVING EXPERIENCED OPERATIONS PERSONNEL GET COLLEGE DEGREES TO BE LICENSED AS SENIOR REACTOR OPERATORS RATHER THAN IMPLEMENTING ITS MORE RECENT PLANT OF MAKING SRO'S OUT OF DEGREE ENGINEERS WHO WILL HAVE NO ACTUAL HANDS-ON PLANT OPERATING EXPERIENCE. DETAILS KNOWN TO QTC; WITHHELD TO MAINTAIN CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. NUCLEAR POWER CONCERN.	TRAINING QUALIFICATION OPERATIONS EMPLOYEES

REFERENCE - ECPS111J-ECPS111C  
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SUBCATEGORY: 00000

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
JLH-85-001	QA	00000	N	SQN	Y Y Y Y		SS	THIS CONCERN WAS NOT DOCUMENTED PER SQA166 BUT HAS BEEN INCLUDED IN THE EMPLOYEE CONCERN LOG. THE WELDER CONTINUITY PROGRAM AT SQN DOES NOT ENSURE THAT WELDERS MAINTAIN PROFICIENCY
JLH-85-002	QA	00000	N	SQN	Y Y Y Y		SS	THIS CONCERN WAS NOT DOCUMENTED PER SQA166 BUT HAS BEEN INCLUDED IN THE EMPLOYEE CONCERN LOG. WELDERS FROM MUSCLE SHOALS MAY NOT HAVE RECEIVED THE APPROPRIATE NUMBER OF BEND TESTS WHEN TAKING WELD QUALIFICATION TESTS.
OE-QMS-1	QA	00000	N	NPS	Y Y Y Y		SS	THE PROCUREMENT OF NUCLEAR PLANT SAFETY RELATED MATERIAL, COMPONENTS, DEVICES, EQUIPMENT, SYSTEMS, ETC. BY THE POWER STORES/NUCLEAR PLANT POWER OPERATIONS PROCESS (NQAM, PART III, SECTION 2.1) DOES NOT ASSURE THAT APPLICABLE REGULATORY REQUIREMENTS, DESIGN BASES, QUALIFICATIONS AND OTHER REQUIREMENTS ARE BEING MET.
RII-86-A-0014	QA	00000	N	SQN	N N N N		NS	AN ALLEGER INDICATED CONCERN THAT THE VENDOR DRAWINGS AT SEQUOYAH HAD NOT BEEN MAINTAINED IN AN ORDERLY SYSTEM SUCH THAT INCORRECT DRAWINGS MAY HAVE BEEN ISSUED TO ENGINEERS FOR USE IN THE FIELD. FOR CLOSURE OF THIS ISSUE, TVA SHOULD DETERMINE WHETHER OR NOT INCORRECT VENDOR DRAWINGS WERE USED RESULTING IN IMPROPER INSTALLATION AND OPERATION OF EQUIPMENT AND DOCUMENT THE RESULTS OF THE FINDINGS. ALSO, TVA SHOULD REVIEW THE VENDOR DRAWING PROGRAM AND DETERMINE THE CORRECTNESS OF THE DRAWINGS AND

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

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SUBCATEGORY: 00000

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
SQM-86-002-002 T50254	QA	00000	S	SQN	N N N N	I-86-185-SQN	SS	SPECIFIC SUPERVISION IS NOT RESPONSIVE TO CORRECTING A QUALITY PROBLEM IN A TIMELY MANNER WHICH CAN AND IS AFFECTING THE QUALITY OF THE PLANT. (NAMES/DETAILS KNOWN TO QTC, WITHHELD TO MAINTAIN CONFIDENTIALITY.) NO FURTHER INFORMATION MAY BE RELEASED. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW-UP REQUIRED.	NONCONFORMANCE CORRECTIVE ACTION QUALITY FOREMAN
SQM-86-002-003 T50254	QA	00000	S	SQN	N N N N	I-86-185-SQN	SS	SPECIFIC SUPERVISION HAS NEGLECTED TO PERFORM A SCHEDULED ASSIGNMENT WHICH RESULTS IN A CONTINUOUS QUALITY IMPACT ON THE PLANT. (NAMES/DETAILS KNOWN TO QTC, WITHHELD TO MAINTAIN CONFIDENTIALITY.) NUCLEAR POWER CONCERN. NO FURTHER INFORMATION MAY BE RELEASED. CI HAS NO FURTHER INFORMATION. NO FOLLOW-UP REQUIRED.	NONCONFORMANCE CORRECTIVE ACTION QUALITY FOREMAN
SQM-86-003-001 T50253	QA	00000	N	SQN	N N N N	I-86-180-SQN	SS	SPECIFIC DOCUMENTS HAVE BEEN IMPROPERLY ISSUED. (NAMES/DETAILS KNOWN TO QTC, WITHHELD TO MAINTAIN CONFIDENTIALITY.) NO FURTHER INFORMATION MAY BE RELEASED. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW-UP REQUIRED.	NONCONFORMANCE DOCUMENT CONTROL ENGINEERING REPORTS
SQM-86-005-001 T50259	QA	00000	N	SQN	N N Y N	I-86-115-SQN	SS	CRAFT INDIVIDUAL (KNOWN) WAS PASSED THROUGH THE WELDING TEST IN MARCH 1985, BY AGREEMENT BETWEEN ENGINEERING (KNOWN) AND THE GENERAL FOREMAN (KNOWN). THE INDIVIDUAL IS ALLEGED AS BEING INCAPABLE OF MAKING A PROPER WELD, AND EVERY WELD THE INDIVIDUAL HAS MADE IN THE CONTAINMENT AREA OF THE REACTOR BUILDING HAS HAD TO BE REDONE. ADDITIONAL DETAILS ARE KNOWN. ANONYMOUS CONCERN. NO FOLLOW-UP REQUIRED.	TRAINING QUALIFICATION WELDING WELDERS
SQM-86-009-X04 T50262	QA	00000	N	SQN	N N N N	I-86-241-SQN	SS	INSPECTION RECORDS MAY REFLECT IMPROPER DATA. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. NUCLEAR POWER DEPARTMENT CONCERN.	NONCONFORMANCE QA PROGRAM QUALITY REPORTS



REFERENCE - ECPS111J-ECPS111C  
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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 00000

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
SQP-85-001-N02	QA	00000	N	SQN	N N N N		NS	NRC IDENTIFIED THE FOLLOWING CONCERN FROM REVIEW OF QTC FILE. "INSPECTORS WERE NOT KNOWLEDGEABLE OF THE WORK THEY WERE INSPECTING AND GOT BY ONLY WITH THE HELP OF PROCEDURES."
SQP-85-001-N03	QA	00000	S	SQN	N N N N		NS'	NRC IDENTIFIED THE FOLLOWING CONCERN FROM REVIEW OF QTC FILE. "PROMOTION OF UNQUALIFIED INDIVIDUALS."
SQP-86-003-N05	QA	00000	N	SQN	N N N N		NS	NRC IDENTIFIED THE FOLLOWING CONCERN FROM REVIEW OF QTC FILE. "SQP-86-003-001 IS POTENTIALLY REPORTABLE."
SQP-86-003-N06	QA	00000	N	SQN	N N N N		NS	NRC IDENTIFIED THE FOLLOWING CONCERN BASED ON REVIEW OF QTC FILE. "IF DOCUMENTATION DEFICIENCY FOR SQP-86-003(-003) IS SUBSTANTIATED, IT WOULD BE QA VIOLATION OF APPENDIX B AND WOULD BE REPORTABLE. THE SUBJECT FORM (CERT FORM M) INDICATED IT IS NOT REPORTABLE."
XX -85-007-002 T50086	QA	00000	S	SQN	N N N N	I-85-372-SQN	NS	SEQUOYAH - LEAK IN APRIL 1983 IN UNIT 2 REACTOR WAS DUE TO MANAGEMENT'S (NAME KNOWN) DESIRE TO BREAK TIME RECORDS (179 DAYS ON LINE). RESULT WAS CONTAMINATION OF 500-600 GALLONS. CI HAS NO FURTHER INFORMATION.
XX -85-053-N04	QA	00000	N	SQN	N N N N		NS	NRC IDENTIFIED THE FOLLOWING CONCERN FROM REVIEW OF QTC FILE. "INADEQUATE SYSTEM OF TRACKING DOCUMENTS."

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

HEALTH PHYSICS  
 SAFETY CONDITION  
 OPERATIONS  
 RADIATION PROTECTN

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 00000

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D	PERSONNEL FEELINGS QUALIFICATION OPERATIONS GENERAL	NONCONFORMANCE RECORDS WELDING REPORTS	DESIGN RELATED NONCONFORMANCE ENGINEERING GENERAL	NONCONFORMANCE CORRECTIVE ACTION GENERAL GENERAL
XX -85-053-X03 T50164	QA	00000	S	SQN	N N N N		NS	SEQUOYAH- EMPLOYEES DO NOT TRUST MANAGEMENT, BECAUSE MANAGERS ARE INEXPERIENCED, THEY ARE NOT PROMOTED BECAUSE OF ABILITY, THEY WILL DO ANYTHING THEY'RE TOLD WITHOUT QUESTIONING WHETHER IT IS RIGHT OR WRONG, AND THEY DO NOT WORK IN THEIR SUBORDINATES' BEST INTERESTS. THIS LACK OF TRUST WENT SO FAR AS TO AFFECT QUALITY AT SEQUOYAH. CI HAS NO MORE INFORMATION. (ENGINEERING- CONSTRUCTION DEPT CONCERN) NO FOLLOW REQUIRED.					
XX -85-071-N05	QA	00000	N	SQN	N N N N		NS	NRC IDENTIFIED THE FOLLOWING CONCERN FROM REVIEW OF QTC FILE. "DRAWINGS IN THE CONTROL ROOM DO NOT REFLECT ACTUAL PLANT CONFIGURATIONS."					
XX -85-088-X04 T50268	QA	00000	N	SQN	Y Y Y Y	I-86-120-SQN	NS	SEQUOYAH - WELDING CERTIFICATIONS WERE ALTERED BY THE USE OF CORRECTION FLUID. PROCESS MARKINGS SUCH AS FILE INDEXES AND PAGE COUNTS, AS WELL AS ANY MARKS. NOTATIONS OR ANY DATA THAT DID NOT LOOK LIKE ENGINEERING DATA ON THE BACK OF THE DOCUMENT, WERE DELETED WITH CORRECTION FLUID. CONSTRUCTION DEPARTMENT CONCERN. CI HAS NO FURTHER INFORMATION.					
XX -85-122-039 T50215	QA	00000	S	SQN	N N N N	I-85-473-NPS	SS	SEQUOYAH: LACK OF ADEQUATE (OR ANY) CONFIGURATION CONTROL (MANAGEMENT) IN ENDS OR AT SITES. POOR INTERFACE CONTROL BETWEEN SYSTEMS. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.					
XX -85-122-048 T50216	QA	00000	S	SQN	Y Y N Y	I-85-134-SQN	SS	SEQUOYAH - LACK OF GOOD STATUS SYSTEM (PUNCH LISTS) FOR COMPLETION OF COMMITMENTS AND COMPLETION OF NRC ACTIONS, AND COMPLETION OF WORK AT SITES. PLANT CONSTRUCTION, PRE-OP ETC. STATUS IS POOR. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN.					

24 CONCERNS FOR CATEGORY QA SUBCATEGORY 00000

REFERENCE - ECPS111J-ECPS111C  
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 SUBCATEGORY: 80000 GENERAL MANAGEMENT AND POLICY

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CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-688-002 T50080	QA	80000	N WBN	Y Y Y Y	I-85-933-WBN	NS	TVA MANAGEMENT (DEPARTMENT KNOWN) HESITANT OR REFUSES TO PROCESS DEFICIENCY REPORTS OR CORRECTIVE ACTION REQUESTS CONCERNING INADEQUATE TVA PROCEDURES, UNLESS THE INADEQUANCY IS BASED ON A HIGHER TIER TVA PROCEDURE, WHICH ITSELF MAY BE INADEQUATE. NO FURTHER DETAILS AVAILABLE.	PROCEDURES NONCONFORMANCE CONSTRUCTION GENERAL
IN -85-688-004 T50080	QA	80000	S WBN	Y Y Y N	I-85-424-WBN	SS	TVA MANAGEMENT (NAME KNOWN) PREVENTING ISSUANCE AND PROCESSING OF CORRECTIVE ACTION REQUESTS. NAMES AND OTHER DETAILS KNOWN TO QTC. DETAILS WITHHELD TO MAINTAIN CI'S CONFIDENTIALITY.	DOCUMENTS NONCONFORMANCE QUALITY REPORTS
IN -86-090-001 T50120	QA	80000	S WBN	Y Y Y N	I-85-422-WBN	SS	NUC PWR (NO NAME/DEPT GIVEN) ISSUED A CRITICAL STRUCTURES, SYSTEMS & COMPONENTS LIST (CSSC) THAT DOES NOT INCLUDE ALL ITEMS IDENTIFIED ON THE SITE "Q" LIST (NO SPECIFICS GIVEN). THIS WAS DONE WITHOUT OFFICE OR ENGG, ENGG DESIGN GRP INPUT/APPROVAL (THE ORIGINATOR OF THE SITE "Q" LIST). BY REFERRING TO THE CSSC, THE POSSIBILITY EXISTS FOR INSTALLING "NON-Q" ITEMS IN A SAFETY-RELATED SYSTEM. CI HAS NO ADDITIONAL INFORMATION. NUC POWER CONCERN	DOCUMENTS NONCONFORMANCE GENERAL MATERIAL
00 -85-005-003 T50224	QA	80000	S SQN	Y Y N Y		SS	SEQUOYAH: CRAFT FOREMAN (KNOWN) AND OTHER MEMBERS OF THE CREW DELIBERATELY DISTRACTED AN INSPECTOR TO PREVENT THE INSPECTOR FROM NOTICING A NONCONFORMANCE REGARDING CABLE INSULATION DAMAGE. THE INSPECTOR WAS DISTRACTED WHILE THE CABLE DAMAGE WAS REPAIRED IMPROPERLY, AND THE CABLE PULLED INTO THE CONDUIT. (SPECIFIC CABLE CONCERN ADDRESSED IN THIS FILE, CONCERN 001) DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. CONST. DEPT. CONCERN. CI HAS NO F	NONCONFORMANCE CORRECTIVE ACTION GENERAL FOREMAN

REFERENCE - ECPS111J-ECPS111C  
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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80000 GENERAL MANAGEMENT AND POLICY

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
WBN-86-066-001	QA	80000	N	WBN	Y Y Y N		NS	DURING THE EXIT INTERVIEW THE CI EXPRESSED CONCERN THAT MISTAKES MADE AT SQN AND OTHER PLANTS ARE NOT CORRECTED. THESE SAME MISTAKES ARE ALSO MADE AT WBN.
WI -85-086-004 T50252	QA	80000	S	WBN	Y Y Y Y		NS	CI STATED THAT THE PROPOSED DECENTRALIZATION OF THE QUALITY AUDIT PROGRAM IS AN ATTEMPT BY UPPER MANAGEMENT TO REDUCE THE EFFECTIVENESS OF THE INTERNAL AUDIT PROCESS AND AN EFFORT TO REDUCE THE MORALE, SECURITY, FREEDOM, AND EFFECTIVENESS OF THE AUDIT PERSONNEL. NUCLEAR POWER CONCERN. NO FURTHER INFORMATION IN FILE.
XX -85-027-X03 T50056	QA	80000	N	SQN	N N N N	I-85-218-SQN	SS	TVA INFORMED THE NRC THAT CABLE HAD BEEN REMOVED FROM THE SITE IN 1981. WHEN IN FACT THE CABLE WAS STILL BEING REMOVED IN 1984. THIS IS DOCUMENTED ON AN NCR SGNEEB8019R1. BACKUP/ADDITIONAL INFORMATION IN FILE.
XX -85-068-007 T50138	QA	80000	S	SQN	N N N N	I-85-636-SQN	SS	SEQUOYAH - TVA MAY HAVE MANUFACTURED A SPOOL PIECE TO REPLACE, UNDER ASM E SECTION XI, A DRAVO ASME-CLASS SPOOL PIECE. WHEN THE SPOOL PIECE WAS REPLACED, THE CODE NAMEPLATE FROM THE DRAVO SPOOL PIECE WAS REMOVED, AND AFFIXED TO THE TVA MANUFACTURED SPOOL. THIS MAY HAVE BEEN NOTED BY A COGNIZANT INSPECTION INDIVIDUAL (POSITION KNOWN), AND NOT REPORTED DUE TO THE INDIVIDUAL NOT WANTING TO GET INVOLVED. CONSTRUCTION DEPT. CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

QA PROGRAM  
 NONCONFORMANCE  
 QUALITY  
 CONST MANAGEMENT

CORRECTIVE ACTION  
 NONCONFORMANCE  
 QUALITY  
 CABLE

FABRICATION  
 NONCONFORMANCE  
 OPERATIONS  
 PIPE

REFERENCE - ECPS111J-ECPS111C  
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SUBCATEGORY: 80000 GENERAL MANAGEMENT AND POLICY

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-113-001 T50186	QA	80000	S	SQN	Y Y Y Y	I-85-805-SQN	SS	SEQUOYAH: TVA CORPORATE MANAGEMENT IS IN THE PROCESS OF DECENTRALIZING THE QUALITY AUDIT PROGRAM IN AN EFFORT TO REDUCE THE AUDIT PROGRAMS IMPACT ON THE STARTUP AND OPERATION OF THE NUCLEAR PLANTS AND ALSO TO INTIMIDATE AUDITOR PERSONNEL THUS SIGNIFICANTLY REDUCING THE EFFECTIVENESS OF TVA'S QUALITY VERIFICATION PROGRAM. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.
XX -85-113-002 T50186	QA	80000	S	BLN	Y Y Y Y	I-85-809-BLN	NS	BELLEFONTE: TVA CORPORATE MANAGEMENT IS IN THE PROCESS OF DECENTRALIZING THE QUALITY AUDIT PROGRAM IN AN EFFORT TO REDUCE THE AUDIT PROGRAMS IMPACT ON THE STARTUP AND OPERATION OF THE NUCLEAR PLANTS AND ALSO TO INTIMIDATE AUDITOR PERSONNEL THUS SIGNIFICANTLY REDUCING THE EFFECTIVENESS OF TVA'S QUALITY VERIFICATION PROGRAM. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.
XX -85-113-003 T50186	QA	80000	S	BFN	Y Y Y Y	I-85-808-BFN	NS	BROWNS FERRY: TVA CORPORATE MANAGEMENT IS IN THE PROCESS OF DECENTRALIZING THE QUALITY AUDIT PROGRAM IN AN EFFORT TO REDUCE THE AUDIT PROGRAMS IMPACT ON THE STARTUP AND OPERATION OF THE NUCLEAR PLANTS AND ALSO TO INTIMIDATE AUDITOR PERSONNEL THUS SIGNIFICANTLY REDUCING THE EFFECTIVENESS OF TVA'S QUALITY VERIFICATION PROGRAM. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.
XX -85-116-005 T50271	QA	80000	N	SQN	Y Y Y Y		SS	A NONCHALANT REGARD FOR QUALITY SETS AN EXAMPLE FOR SUBORDINATE EMPLOYEES TO LIKEWISE PROMOTE AND TOLERATE POOR QUALITY AT SEQUOYAH. NUCLEAR POWER DEPARTMENT CONCERN. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. CI REQUESTS THAT QTC PERFORM THIS INVESTIGATION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

QA PROGRAM  
 NONCONFORMANCE  
 QUALITY  
 CONST MANAGEMENT

QA PROGRAM  
 NONCONFORMANCE  
 QUALITY  
 CONST MANAGEMENT

QA PROGRAM  
 NONCONFORMANCE  
 QUALITY  
 CONST MANAGEMENT

QA PROGRAM  
 NONCONFORMANCE  
 QUALITY  
 GENERAL

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
 OFFICE OF NUCLEAR POWER  
 EMPLOYEE CONCERN PROGRAM SYSTEM (ECPS)  
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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80000 GENERAL MANAGEMENT AND POLICY

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-118-001 T50204	QA	80000	S NPS	Y Y Y Y	I-85-942-NPS	SS	CI STATED THAT THE GIVING OF THE NUCLEAR QUALITY ASSURANCE MANUAL AUDIT FUNCTION TO THE INDIVIDUAL PLANT SITES AND SITE DIRECTORS WILL REDUCE THE EFFECTIVENESS OF THE PROGRAM, WILL ELIMINATE INDEPENDENCE, AND WILL SUBJECT AUDITORS (QA SPECIALISTS) TO SEVERE HARASSMENT AND INTIMIDATION. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.
XX -85-119-001 T50205	QA	80000	S NPS	Y Y Y Y	I-85-956-NPS	SS	THE DECENTRALIZATION OF THE AUDIT PROGRAM WILL CAUSE THE INDIVIDUAL PLANT SITES TO EFFECTIVELY DIMINISH IN THE AUTHORITY AND ORGANIZATIONAL FREEDOM TO IDENTIFY AND REPORT QUALITY PROBLEMS. NUCLEAR POWER CONCERN, CI HAS NO FURTHER INFORMATION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

QA PROGRAM  
 AUDIT  
 QUALITY  
 GENERAL

QA PROGRAM  
 NONCONFORMANCE  
 QUALITY  
 GENERAL

14 CONCERNS FOR CATEGORY QA SUBCATEGORY 80000

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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 SUBCATEGORY: 80100 QUALITY ASSURANCE MANAGEMENT AND POLICY

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CATEGORY: QA QA/QC PROGRAMS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-125-006 T50221	QA	80100	N	NPS	Y Y Y Y	I-85-140-WBN	SS	KNOXVILLE - THE TVA SYSTEM PROCUREME NT MANUAL ALLOWS PROCUREMENT OF IE, SAFETY RELATED, NSSS AND HOLD DEVICE S EQUIPMENT TO BE PURCHASED COMMERCIAL LY, NOT THROUGH QUALIFIED SUPPLIER S, BECAUSE THEY ARE PART OF A LARGER COMPONENT. (NAMES/DETAILS TO THE S PECIFIC CASE ARE KNOWN TO QTC AND WI THHELD TO MAINTAIN CONFIDENTIALITY). NUCLEAR POWER CONCERN CI HAS NO MO RE INFORMATION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

PROCUREMENT  
 NONCONFORMANCE  
 QUALITY  
 EQUIPMENT

1 CONCERNS FOR CATEGORY QA SUBCATEGORY 80100

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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 SUBCATEGORY: 80101 QUALITY ASSURANCE PROGRAM ADEQUACY

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CATEGORY: QA QA/QC PROGRAMS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
IN -86-011-003 T50188	QA	80101	N	WBN	Y Y Y Y
MRS-85-001	QA	80101	N	SQN	Y Y Y Y
WI -85-090-002 T50252	QA	80101	S	WBN	Y Y Y Y
XX -85-116-008 T50271	QA	80101	S	SQN	Y Y Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R

CONCERN  
 DESCRIPTION

NS TVA DOES NOT REQUIRE MATERIAL SUPPLIERS TO INVOLVE QA REQUIREMENTS ON SUB-TIER SUPPLIERS. (DETAILS KNOWN TO QTC, WITHHELD TO MAINTAIN CONFIDENTIALITY). CONSTRUCTION DEPT CONCERN. UNIT 1 & 2. CI HAS NO ADDITIONAL INFORMATION.

THE AMOUNT OF PROCEDURES AND PAPERWORK HAVE BECOME THE PRIMARY PRINCIPLE OF CONCERN AT SEQUOYAH AND NOT THE QUALITY OF THE WORK. THE ATTITUDE OF MANY PEOPLE IS THAT IF QA APPROVES IT, THEN THAT IS GOOD ENOUGH. I THEREFORE CONCLUDE THAT THE SAFE OPERATION OF THE PLANT IS OVERSHADOWED BY THE AMOUNT OF PROCEDURES AND PAPERWORK TO BE DONE.

NS DECENTRALIZATION OF THE OFFICE OF QUALITY ASSURANCE AGGRAVATES AN ALREADY MARGINAL TREATMENT OF CONFIGURATION MANAGEMENT. TVA LINE MANAGEMENT HAS NO CONCEPT OF THIS FUNCTION, AND DOES NOT INTERRELATE THE REQUIREMENTS OF 10 CFR 50, APPENDIX B, CRITERIA III, IV, VI AND VII. NUCLEAR POWER DEPARTMENT CONCERN. NO FURTHER INFORMATION IN FILE. CI REQUESTS THIS CONCERN TO BE INVESTIGATED BY QTC.

SS DIVISION OF QUALITY ASSURANCE MANAGE MENT PRESSURES AUDITORS TO CLOSE AUDIT DEVIATIONS (SEQUOYAH) BEFORE THE AUDITOR IS SATISFIED THAT ADEQUATE CORRECTIVE ACTION, AS STATED IN APPENDIX B AND THE QA MANUAL, HAS BEEN IMPLEMENTED. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. CI REQUESTS THAT QTC PERFORM THIS INVESTIGATION. NUCLEAR POWER DEPARTMENT CONCERN.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

QA PROGRAM  
 ORGANIZATION  
 QUALITY  
 GENERAL

QA PROGRAM  
 ORGANIZATION  
 QUALITY  
 GENERAL

AUDIT  
 CORRECTIVE ACTION  
 QUALITY  
 GENERAL



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 80101 QUALITY ASSURANCE PROGRAM ADEQUACY

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CATEGORY: QA QA/QC PROGRAMS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B
XX -85-116-011 T50271	QA	80101	S	SQN	Y Y Y Y

QTC/NSRS  
 INVESTIGATION  
 REPORT

P  
 S  
 R

CONCERN  
 DESCRIPTION

SS SEQUOYAH - MANAGEMENT (KNOWN) COMPLAINED TO THE DIRECTOR OF THE DIVISION OF QA ABOUT AUDITS WHICH WERE TO IN-DEPTH. THE DIRECTOR OF QA ISSUED A LETTER 11-25-85 TO AUDITORS DIRECTING THEM TO INCREASE THE NUMBER OF AUDIT AREAS PER AUDIT, THUS EFFECTIVELY RESTRICTING THE DEPTH OF THE AUDIT. NUCLEAR POWER CONCERN. NO ADDITIONAL INFORMATION AVAILABLE. CI REQUESTS THAT QTC PERFORM THIS INVESTIGATION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 AUDIT  
 QUALITY  
 REPORTS

5 CONCERNS FOR CATEGORY QA SUBCATEGORY 80101

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80102 QUALITY ASSURANCE INDEPENDENCE AND AUTHORITY

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
PH -85-018-X02 T50074	QA	80102	S	WBN	Y Y Y Y		NS	QC/QA AUDIT PROGRAM AT WBNP DOES NOT HAVE THE ORGANIZATIONAL FREEDOM TO EFFECTIVELY IDENTIFY PROBLEMS AND TO COMPEL EFFECTIVE CORRECTIVE ACTION. NO FURTHER DETAILS. NO FOLLOW-UP REQUIRED.	QA PROGRAM NONCONFORMANCE QUALITY CONST MANAGEMENT
PH -85-056-X02 T50270	QA	80102	S	WBN	Y Y Y Y		NS	THE DECISION TO DECENTRALIZE THE QUALITY ASSURANCE AUDIT BRANCH IS THE RESULT OF RETALIATION FROM THOSE WITHIN TVA MANAGEMENT WHO DO NOT WISH TO HEAR ABOUT SITE/SYSTEM DISCREPANCIES. THIS DECISION VIOLATES THE TVA COMMITMENT TO THE NRC FOR STRONGER CORPORATE MANAGEMENT. THE CI REQUESTS QTC INVESTIGATE THIS CONCERN. NUCLEAR POWER DEPARTMENT CONCERN.	QA PROGRAM NONCONFORMANCE QUALITY CONST MANAGEMENT
WBM-86-004-002 T50259	QA	80102	N	NPS	Y Y Y Y		SS	TVA NUCLEAR PLANTS (GENERIC) ARE IGNORING THE QC PROGRAM FROM THE NUCLEAR POWER OFFICE (NQAM). THE PLANTS WRITE THEIR OWN PROGRAMS, AND DO NOT FOLLOW INSTRUCTIONS FROM THE NQAM. NO FURTHER INFORMATION AVAILABLE IN FILE. ANONYMOUS CONCERN. NO FOLLOW-UP REQUIRED.	NONCONFORMANCE QA PROGRAM QUALITY GENERAL
WI -85-090-001 T50252	QA	80102	S	WBN	Y Y Y Y		NS	THE OBJECTIVE, AND RESULT OF, THE DISSOLUTION OF THE OFFICE OF QUALITY ASSURANCE WAS TO CONCENTRATE THE QA FUNCTION UNDER LINE MANAGEMENT. THE SITE QA MANAGER WILL REPORT TO THE SITE DIRECTOR RATHER THAN TO A CENTRAL QA DIRECTOR. THIS DESTROYS THE INDEPENDENCE OF THE QA AND AUDIT FUNCTIONS, AS THERE IS NO INDEPENDENCE FROM LINE MANAGEMENT. NUCLEAR POWER DEPARTMENT CONCERN. NO FURTHER INFORMATION IN FILE. CI REQUESTS THIS CONCERN TO BE INVESTIGATED BY QTC.	QA PROGRAM ORGANIZATION QUALITY GENERAL

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80102 QUALITY ASSURANCE INDEPENDENCE AND AUTHORITY

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-116-011 T50271	QA	80102	S SQN	Y Y Y Y		SS	SEQUOYAH - MANAGEMENT (KNOWN) COMPLAINED TO THE DIRECTOR OF THE DIVISION OF QA ABOUT AUDITS WHICH WERE TO IN-DEPTH. THE DIRECTOR OF QA ISSUED A LETTER 11-25-85 TO AUDITORS DIRECTING THEM TO INCREASE THE NUMBER OF AUDIT AREAS PER AUDIT, THUS EFFECTIVELY RESTRICTING THE DEPTH OF THE AUDIT S. NUCLEAR POWER CONCERN. NO ADDITIONAL INFORMATION AVAILABLE. CI REQUESTS THAT QTC PERFORM THIS INVESTIGATION.
XX -85-118-001 T50204	QA	80102	S NPS	Y Y Y Y	I-85-942-NPS	SS	CI STATED THAT THE GIVING OF THE NUCLEAR QUALITY ASSURANCE MANUAL AUDIT FUNCTION TO THE INDIVIDUAL PLANT SITES AND SITE DIRECTORS WILL REDUCE THE EFFECTIVENESS OF THE PROGRAM, WILL ELIMINATE INDEPENDENCE, AND WILL SUBJECT AUDITORS (QA SPECIALISTS) TO SEVERE HARASSMENT AND INTIMIDATION. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.
XX -85-119-001 T50205	QA	80102	S NPS	Y Y Y Y	I-85-956-NPS	SS	THE DECENTRALIZATION OF THE AUDIT PROGRAM WILL CAUSE THE INDIVIDUAL PLANT SITES TO EFFECTIVELY DIMINISH IN THE AUTHORITY AND ORGANIZATIONAL FREEDOM TO IDENTIFY AND REPORT QUALITY PROBLEMS. NUCLEAR POWER CONCERN, CI HAS NO FURTHER INFORMATION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 AUDIT  
 QUALITY  
 REPORTS

QA PROGRAM  
 AUDIT  
 QUALITY  
 GENERAL

QA PROGRAM  
 NONCONFORMANCE  
 QUALITY  
 GENERAL

7 CONCERNS FOR CATEGORY QA SUBCATEGORY 80102

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 80103 QUALITY ASSURANCE ORGANIZATIONAL EFFECTIVENESS

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CATEGORY: QA QA/QC PROGRAMS

CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-767-005 T50171	QA	80103	S WBN	Y Y Y Y		NS	(TVA'S) MANAGERMENTS' LACK OF KNOWLEDGE IN SELECTING QUALIFIED QA PROGRAMS AND INEFFECTIVE IMPLEMENTATION WHICH RESULTED IN ABOLITION OF QA DEPT IN AUG/SEPT '85. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION.	TRAINING QUALIFICATION QUALITY EMPLOYEES
PH -85-018-X02 T50074	QA	80103	S WBN	Y Y Y Y		NS	QC/QA AUDIT PROGRAM AT WBNP DOES NOT HAVE THE ORGANIZATIONAL FREEDOM TO EFFECTIVELY IDENTIFY PROBLEMS AND TO COMPEL EFFECTIVE CORRECTIVE ACTION. NO FURTHER DETAILS. NO FOLLOW-UP REQUIRED.	QA PROGRAM NONCONFORMANCE QUALITY CONST MANAGEMENT
PH -85-056-X02 T50270	QA	80103	S WBN	Y Y Y Y		NS	THE DECISION TO DECENTRALIZE THE QUALITY ASSURANCE AUDIT BRANCH IS THE RESULT OF RETALIATION FROM THOSE WITHIN TVA MANAGEMENT WHO DO NOT WISH TO HEAR ABOUT SITE/SYSTEM DISCREPANCIES. THIS DECISION VIOLATES THE TVA COMMITMENT TO THE NRC FOR STRONGER CORPORATE MANAGEMENT. THE CI REQUESTS QTC INVESTIGATE THIS CONCERN. NUCLEAR POWER DEPARTMENT CONCERN.	QA PROGRAM NONCONFORMANCE QUALITY CONST MANAGEMENT
WI -85-086-001 T50186	QA	80103	S WBN	Y Y Y Y		NS	TVA CORPORATE MANAGEMENT IS IN THE PROCESS OF DECENTRALIZING THE QUALITY AUDIT PROGRAM, IN AN EFFORT TO REDUCE THE AUDIT PROGRAMS IMPACT ON THE STARTUP AND OPERATION OF THE NUCLEAR PLANTS, ALSO TO INTIMIDATE AUDITOR PERSONNEL, THUS SIGNIFICANTLY REDUCING THE EFFECTIVENESS OF TVA'S QUALITY VERIFICATION PROGRAM. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	QA PROGRAM NONCONFORMANCE QUALITY CONST MANAGEMENT
WI -85-086-003 T50252	QA	80103	N WBN	Y Y Y Y		NS	TVA IS PROPOSING TO DECENTRALIZE THE QUALITY AUDIT PROGRAM WITHOUT PRIOR APPROVAL OF THE NRC. THIS IS A VIOLATION OF 10 CFR 50.54 AND THE SAFETY ANALYSIS REPORT. NUCLEAR POWER CONCERN. NO FURTHER INFORMATION IN FILE.	10CFR OTHER QA PROGRAM QUALITY GENERAL

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80103 QUALITY ASSURANCE ORGANIZATIONAL EFFECTIVENESS

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
WI -85-086-004 T50252	QA	80103	S WBN	Y Y Y Y		NS	CI STATED THAT THE PROPOSED DECENTRALIZATION OF THE QUALITY AUDIT PROGRAM IS AN ATTEMPT BY UPPER MANAGEMENT TO REDUCE THE EFFECTIVENESS OF THE INTERNAL AUDIT PROCESS AND AN EFFORT TO REDUCE THE MORALE, SECURITY, FREEDOM, AND EFFECTIVENESS OF THE AUDIT PERSONNEL. NUCLEAR POWER CONCERN. NO FURTHER INFORMATION IN FILE.	QA PROGRAM NONCONFORMANCE QUALITY CONST MANAGEMENT
WI -85-090-001 T50252	QA	80103	S WBN	Y Y Y Y		NS	THE OBJECTIVE, AND RESULT OF, THE DISSOLUTION OF THE OFFICE OF QUALITY ASSURANCE WAS TO CONCENTRATE THE QA FUNCTION UNDER LINE MANAGEMENT. THE SITE QA MANAGER WILL REPORT TO THE SITE DIRECTOR RATHER THAN TO A CENTRAL QA DIRECTOR. THIS DESTROYS THE INTERDEPENDENCE OF THE QA AND AUDIT FUNCTIONS, AS THERE IS NO INTERDEPENDENCE FROM LINE MANAGEMENT. NUCLEAR POWER DEPARTMENT CONCERN. NO FURTHER INFORMATION IN FILE. CI REQUESTS THIS CONCERN TO BE INVESTIGATED BY QTC.	QA PROGRAM ORGANIZATION QUALITY GENERAL
WI -85-090-002 T50252	QA	80103	S WBN	Y Y Y Y		NS	DECENTRALIZATION OF THE OFFICE OF QUALITY ASSURANCE AGGRAVATES AN ALREADY MARGINAL TREATMENT OF CONFIGURATION MANAGEMENT. TVA LINE MANAGEMENT HAS NO CONCEPT OF THIS FUNCTION, AND DOES NOT INTERRELATE THE REQUIREMENTS OF 10 CFR 50, APPENDIX B, CRITERIA III, IV, VI AND VII. NUCLEAR POWER DEPARTMENT CONCERN. NO FURTHER INFORMATION IN FILE. CI REQUESTS THIS CONCERN TO BE INVESTIGATED BY QTC.	QA PROGRAM ORGANIZATION QUALITY GENERAL
XX -85-113-001 T50186	QA	80103	S SQN	Y Y Y Y	I-85-805-SQN	SS	SEQUOYAH: TVA CORPORATE MANAGEMENT IS IN THE PROCESS OF DECENTRALIZING THE QUALITY AUDIT PROGRAM IN AN EFFORT TO REDUCE THE AUDIT PROGRAMS IMPACT ON THE STARTUP AND OPERATION OF THE NUCLEAR PLANTS AND ALSO TO INTIMIDATE AUDITOR PERSONNEL THUS SIGNIFICANTLY REDUCING THE EFFECTIVENESS OF TVA'S QUALITY VERIFICATION PROGRAM. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	QA PROGRAM NONCONFORMANCE QUALITY CONST MANAGEMENT

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80103 QUALITY ASSURANCE ORGANIZATIONAL EFFECTIVENESS

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
XX -85-113-002 T50186	QA	80103	S BLN	Y Y Y Y	I-85-809-BLN	NS	BELLEFONTE: TVA CORPORATE MANAGEMENT IS IN THE PROCESS OF DECENTRALIZING THE QUALITY AUDIT PROGRAM IN AN EFFORT TO REDUCE THE AUDIT PROGRAMS IMPACT ON THE STARTUP AND OPERATION OF THE NUCLEAR PLANTS AND ALSO TO IMMEDIATELY REDUCING THE EFFECTIVENESS OF TVA'S QUALITY VERIFICATION PROGRAM. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	QA PROGRAM NONCONFORMANCE QUALITY CONST MANAGEMENT
XX -85-113-003 T50186	QA	80103	S BFN	Y Y Y Y	I-85-808-BFN	NS	BROWNS FERRY: TVA CORPORATE MANAGEMENT IS IN THE PROCESS OF DECENTRALIZING THE QUALITY AUDIT PROGRAM IN AN EFFORT TO REDUCE THE AUDIT PROGRAMS IMPACT ON THE STARTUP AND OPERATION OF THE NUCLEAR PLANTS AND ALSO TO IMMEDIATELY REDUCING THE EFFECTIVENESS OF TVA'S QUALITY VERIFICATION PROGRAM. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	QA PROGRAM NONCONFORMANCE QUALITY CONST MANAGEMENT
XX -85-118-001 T50204	QA	80103	S NPS	Y Y Y Y	I-85-942-NPS	SS	CI STATED THAT THE GIVING OF THE NUCLEAR QUALITY ASSURANCE MANUAL AUDIT FUNCTION TO THE INDIVIDUAL PLANT SITES AND SITE DIRECTORS WILL REDUCE THE EFFECTIVENESS OF THE PROGRAM, WILL ELIMINATE INDEPENDENCE, AND WILL SUBJECT AUDITORS (QA SPECIALISTS) TO SEVERE HARASSMENT AND INTIMIDATION. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	QA PROGRAM AUDIT QUALITY GENERAL
XX -85-119-001 T50205	QA	80103	S NPS	Y Y Y Y	I-85-956-NPS	SS	THE DECENTRALIZATION OF THE AUDIT PROGRAM WILL CAUSE THE INDIVIDUAL PLANT SITES TO EFFECTIVELY DIMINISH IN THE AUTHORITY AND ORGANIZATIONAL FREEDOM TO IDENTIFY AND REPORT QUALITY PROBLEMS. NUCLEAR POWER CONCERN, CI HAS NO FURTHER INFORMATION.	QA PROGRAM NONCONFORMANCE QUALITY GENERAL

13 CONCERNS FOR CATEGORY QA SUBCATEGORY 80103

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80104 QUALITY ASSURANCE MANAGEMENT PERFORMANCE

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-414-008 T50191	QA	80104	N	WBN	Y Y Y Y		NS	CI DOES NOT AGREE WITH TVA'S JUSTIFICATION FOR CLOSURE OF CONCERN IN-85-414-001. THE READING OF COMPLICATED DRAWINGS, TECHNICAL TERMS AND OTHER ASPECTS ASSOCIATED WITH EQUIPMENT AND MATERIAL ERECTION REQUIRE KNOWLEDGE OUTSIDE THE AREA OF CLERKS AND OTHER NON-TECHNICAL PERSONNEL. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. CONSTRUCTION DEPT. CONCERN. CI HAS NO ADDITIONAL INFORMATION.
IN -85-445-004 T50137	QA	80104	S	WBN	Y Y Y Y	IN-85-445-004	SS	INSTRUMENT LINE SUPPORT (NUMBER KNOWN) HAD INSPECTION REQUIREMENTS INCORRECTLY SIGNED OFF BY INDIVIDUAL OTHER THAN THE INSPECTOR (NAMES KNOWN). NO ACTION BY TVA, OR ANY DISCIPLINARY ACTION TO THE INDIVIDUAL HAS BEEN RELAYED TO THIS CI. CONSTRUCTION DEPT. CONCERN. CI HAS BEEN REVISED TO DELETE AN ADDITIONAL CONCERN WHICH IS ADDRESSED. THIS CONCERN WAS ASSIGNED TO OGC TO INVESTIGATE ON 6-22-85. NO FOLLOWUP REQUIRED.
IN -85-767-005 T50171	QA	80104	S	WBN	Y Y Y Y		NS	(TVA'S) MANAGER'S LACK OF KNOWLEDGE IN SELECTING QUALIFIED QA PROGRAMS AND INEFFECTIVE IMPLEMENTATION WHICH RESULTED IN ABOLITION OF QA DEPT IN AUG/SEPT '85. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION.
SQN-86-035-003	QA	80104	N	BFN	Y Y Y Y		SS	DURING AN INTERVIEW CONTACT THE CI STATED AND LATER DOCUMENTED THE CONCERN THAT TIME SHEETS USED BY ISI INSPECTORS VIOLATE 10CFR50 REQUIREMENT THAT INSPECTORS IN A NUCLEAR PLANT CANNOT BE PLACED ON PRODUCTION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

ORGANIZATION  
 RECORDS  
 GENERAL  
 CONST MANAGEMENT

INSPECTION  
 RECORDS  
 QUALITY  
 REPORTS

TRAINING  
 QUALIFICATION  
 QUALITY  
 EMPLOYEES

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80104 QUALITY ASSURANCE MANAGEMENT PERFORMANCE

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-069-003 T50180	QA	80104	N SQN	Y Y N Y	I-85-373-NPS	SS	SEQUOYAH: VERY OFTEN, REJECTED ITEM S ARE ACCEPTED BY SOME ONE OTHER THAN A SUPERVISOR OR A HIGHER LEVEL (GRADE). TO ILLUSTRATE THE POINT, C/I STATED THAT THE SUPERVISOR WILL SEND ANOTHER EXAMINER/INSPECTOR WITH LESS QUALIFICATION AND EXPERIENCE TO RE-EXAMINE THE ONCE REJECTED ITEMS AND WILL GET ACCEPTANCE. C/I HAS NO FURTHER INFORMATION. NUC. POWER CONCERN.
XX -85-116-008 T50271	QA	80104	S SQN	Y Y Y Y		SS	DIVISION OF QUALITY ASSURANCE MANAGEMENT PRESSURES AUDITORS TO CLOSE AUDIT DEVIATIONS (SEQUOYAH) BEFORE THE AUDITOR IS SATISFIED THAT ADEQUATE CORRECTIVE ACTION, AS STATED IN APPENDIX B AND THE QA MANUAL, HAS BEEN IMPLEMENTED. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. CI REQUESTS THAT QTC PERFORM THIS INVESTIGATION. NUCLEAR POWER DEPARTMENT CONCERN.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

QA PROGRAM  
 PROGRAMMATIC  
 OPERATIONS  
 CONST MANAGEMENT

AUDIT  
 CORRECTIVE ACTION  
 QUALITY  
 GENERAL

6 CONCERNS FOR CATEGORY QA SUBCATEGORY 80104



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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 SUBCATEGORY: 80105 QUALITY ASSURANCE MANAGEMENT CONTROL

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CATEGORY: QA QA/QC PROGRAMS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-070-002 T50140	QA	80105	N	SQN	Y Y Y Y	I-85-637-SQN	SS	SEQUOYAH UNITS #1 & #2. CI EXPRESSE D A CONCERN THAT SPECIFIC QUALITY PR OBLEMS (OPEN SINCE 1980) ARE IN THE PROCESS OF BEING INTENTIONALLY CLOSE D IN A DUBIOUS MANNER TO PREVENT ATT RACTING THE ATTENTION OF THE NRC. (NAMES/DETAILS TO THE SPECIFIC CASE A RE KNOWN TO QTC AND WITHHELD TO MAIN TAIN CONFIDENTIALITY). CI HAS NO MO RE INFORMATION. NUCLEAR POWER DEPT CONCERN.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

QA PROGRAM  
 PROGRAMMATIC  
 OPERATIONS  
 GENERAL

1 CONCERNS FOR CATEGORY QA SUBCATEGORY 80105

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80201 INSPECTION CRITERIA

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-657-001 T50131	QA	80201	N	WBN	Y Y Y Y		NS	SEVERAL VENDOR WELDS HAVE BEEN INSTALLED IN THE VARIOUS LOCATIONS OF POWER HOUSE UNIT 1 & 2 WHICH DID NOT MEET THE ACCEPTANCE CRITERIA (G-29 M) OF TVA WELDING SPECIFICATIONS. AS AN EXAMPLE: HEATER C1 LOCATED AT T15 & G LINE ELEV 708'-0" TURBINE BUILDING. NAME OF VENDOR: YUBA, HEAT TRANSFER CORP. CONSTRUCTION DEPT CONCERN. CI HAS NO ADDITIONAL INFORMATION.	WELDING SUPPLIER WELDING WELDS
JAN-85-001	QA	80201	N	SQN	N N N N		NS	WELDING PERFORMED BY SECO (OUTSIDE CONTRACTOR) ON MSR TUBE BUNDLE REPLACEMENT MODIFICATION IS SUBSTANDARD. SLAG NOT REMOVED, PIPING NOT ALIGNED PROPERLY, WELDS NOT CLEANED UP, TUBING NOT INSTALLED PROPERLY, ETC.	
JLH-85-005	QA	80201	N	SQN	N N N N		SS	THIS CONCERN WAS NOT DOCUMENTED PER SQA166 BUT HAS BEEN INCLUDED IN THE EMPLOYEE CONCERN LOG. THREE SAFETY INJECTION WELDS ON NAVCO SPOOL PIECE S DISPLAYED EXCESSIVE OVERLAP, ARC S TRIKES, UNDERCUT WEAVE WIDTH, AND RU ST. THESE WELDS WOULD NOT MEET CURRENT ACCEPTANCE CRITERIA.	
XX -85-050-001 T50096	QA	80201	S	SQN	Y Y Y Y	I-85-329-SQN	SS	INADEQUATE QUALITY ASSURANCE CONTROLS WERE APPLIED TO THE INSTALLATION OF INSTRUMENT TUBING COMPRESSION FITTINGS AT SEQUOYAH. NO FURTHER INFORMATION AVAILABLE. NO FOLLOW UP REQUIRED.	INSPECTION INSTALLATION INSTRUMENTATION FITTINGS
XX -85-102-006 T50172	QA	80201	N	BFN	N Y Y Y	I-85-749-BFN	NS	BROWN'S FERRY: THE VISUAL EXAMINATION PROCEDURE WHICH COVERS ASME SECTION II IS VERY NON SPECIFIC. NUCLEAR POWER DEPT. CONCERN. CI HAS NO ADDITIONAL INFORMATION. NO FOLLOW UP REQUIRED.	INSPECTION EXAMINATION OPERATIONS GENERAL

5 CONCERNS FOR CATEGORY QA SUBCATEGORY 80201

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 80202 INSPECTION PROCEDURES

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CATEGORY: QA QA/QC PROGRAMS

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-171-001 T50054	QA	80202	S WBN	Y Y Y Y	I-85-200-WBN	NS	INDIVIDUAL CONCERNED AT THE NUMBER A ND EXTENT OF PROCEDURE REVISIONS CON TINUING TO OCCUR AT THE CURRENT PERC ENTAGE OF PLANT COMPLETION. OF SPEC IFIC REFERENCE WAS THE PROCEDURE GOV ERNING THREAD ENGAGEMENT ON NUTS, WH ICH USED TO REQUIRE 1 FULL THREAD AB OVE THE NUT. THE REQUIREMENT HAS RE CENTLY BEEN CHANGED TO REQUIRE THREA D ENGAGEMENT ONLY TO BE FLUSH WITH T HE TOP OF THE NUT. INDIVIDUAL IS CO NCERNED THAT SUCH INSTANCES MAY BE C AUSED BY AN ATTEMPT TO ACCEPT PREVIO USLY REJECTED WORK. LIST SPECIF
IN -85-406-002 T50013	QA	80202	N WBN	Y Y Y Y		SS	PRIOR TO 1979 THERE WAS NO SPECIFIC WELD INSPECTION CRITERIA FOR USE BY INSPECTION PERSONNEL. IT IS BELIEVE D THAT THIS PROBLEM WAS VALID TVA SY STEM WIDE- ALL PLANTS
IN -85-532-006 T50042	QA	80202	N WBN	Y Y Y Y	I-85-234-WBN	NS	QCP 4.13 VTC STATES THAT HANGER FILL ET WELDS ARE TO BE 1/8-3/16" MAX. D WG. 47A050, SHEET IN, NOTE 50 STATES THAT WELDS MAY BE 100% OVERSIZE. T HE QC HANGER CARDS STATE THAT THE IN STALLATION WAS INSPECTED PER QCP 4.1 3 VTC. PROCEDURE DWG NOT CONFLICTS WITH OVERSIZE WELDS THAT HAVE BEEN A CCEPTED. (NO SPECIFIC CASES GIVEN)
00 -85-005-002 T50224	QA	80202	N SQN	N N N N	I-85-968-SQN	SS	SEQUOYAH - ELECTRICAL QC INSPECTORS DO NOT HAVE ADEQUATE KNOWLEDGE OF WH AT THEY ARE INSPECTING, AND GET BY O NLY WITH HELP OF PROCEDURES. BECAUS E OF THEIR INEXPERIENCE. ELECTRICAL INSPECTORS SOMETIMES ACCEPTED UNEVEN LY BENT CONDUIT AND CONDUIT JOINTS W ITH TOO MANY EXPOSED THREADS. THIS OCCURRED IN 1977. CI HAS NO SPECIFI CS OR FURTHER INFORMATION. CONSTRU CTION DEPARTMENT CONCERN.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

PROCEDURES  
 RECORD GENERATION  
 GENERAL  
 BOLTING

WELDING  
 INSPECTION  
 WELDING  
 GENERAL

WELDING  
 DRAWINGS  
 WELDING  
 WELDS

TRAINING  
 QUALIFICATION  
 ELECTRICAL  
 INSPECTORS

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80202 INSPECTION PROCEDURES

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
PH -85-012-X03 T50077	QA	80202	N	WBN	Y Y Y Y		NS	WELDING AND BRAZING INSPECTION OF SA FETY-RELATED HVAC DUCTWORK WAS DELET ED SUBSEQUENT TO 1981 FROM THE QA PR OGRAM WITHOUT ADEQUATE JUSTIFICATION . WATTS BAR UNITS 1 & 2, SAFETY REL ATED DUCTWORK. ADDITIONAL DETAILS A RE AVAILABLE IN FILE.	WELDING QA PROGRAM PIPING WELDS
SQM-85-001-001 T50221	QA	80202	N	SQN	N N N N		SS	SEQUOYAH - THE GENERAL CONST. SPEC. G-29C, PROCESS SPEC. 0.C.1.1 IS IN C ONFLICT WITH THE TVA QUALITY ASSURAN CE COMMITMENTS AS STATED BY THE TVA TOPICAL REPORT, TVA-TR75-1A, IN THAT PROCESS SPEC. 0.C.1.1, SECTION 6.0 ALLOWS UNCERTIFIED WELDER FOREMEN, W HO HAVE DIRECT RESPONSIBILITY FOR TH E INSTALLATION, TO PERFORM PRE-WELD INSPECTIONS. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	WELDING PROCEDURES QUALITY WELDS
SQP-86-009-X03 T50273	QA	80202	N	SQN	N N N N		SS	SURVEILLANCE INSTRUCTIONS AND MAINTENANCE INSTRUCTIONS ARE REVISED IN AN UNCONTROLLED MANNER (PEN AND INK CH ANGES IN THE FIELD), AND THESE REVIS IONS ARE IMPLEMENTED PRIOR TO APPROP RIATE REVIEW AND APPROVAL. NUCLEAR POWER DEPARTMENT CONCERN. NO FURTHER R INFORMATION AVAILABLE IN FILE.	RECORD GENERATION NONCONFORMANCE GENERAL GENERAL
WBM-85-001-001 T50227	QA	80202	S	WBN	Y Y Y Y		NS	WATTS BAR - THE GENERAL CONST. SPEC. G-29C, PROCESS SPEC. 0.C.1.1 IS IN CONFLICT WITH THE TVA QUALITY ASSURA NCE COMMITMENTS AS STATED BY THE TVA TOPICAL REPORT, TVA-TR75-1A, IN THA T PROCESS SPEC. 0.C.1.1, SECTION 6.0 ALLOWS UNCERTIFIED WELDER FOREMEN, WHO HAVE DIRECT RESPONSIBILITY FOR T HE INSTALLATION, TO PERFORM PREWELD INSPECTIONS. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	WELDING PROCEDURES QUALITY WELDS

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80202 INSPECTION PROCEDURES

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
XX -85-102-007 T50172	QA	80202	N	BFN	N Y Y Y	I-85-743-BFN	NS	BROWN'S FERRY: NDE INSPECTORS CAN ONLY WRITE A NOTICE OF INSPECTION ON IN-SERVICE RELATED DEFECTS. PRESERVE DEFECTS CAN ONLY BE IDENTIFIED BY A MAINTENANCE REQUEST. NUCLEAR POWER DEPT. CONCERN. CI HAS NO ADDITIONAL INFORMATION. NO FOLLOW UP REQUIRED.	RECORD GENERATION NONCONFORMANCE QUALITY REPORTS
XX -85-102-008 T50208	QA	80202	N	BFN	N Y Y Y	I-85-949-BFN	NS	BROWNS FERRY, NOTICE OF INSPECTIONS AND MAINTENANCE REQUESTS WERE WRITTEN FOR DISCREPANCIES BY AN INSPECTION DEPT. AND ANOTHER DEPT. BOUGHT OFF THESE MR'S CLOSED AND PLACED THEM IN THE PLANT ARCHIVES. THE DEPT. WHICH WROTE MR'S & NOI'S WOULD BE STILL WAITING FOR DISPOSITION. THEY DON'T HAVE PROPER TRACKING SYSTEM. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	RECORD GENERATION NONCONFORMANCE QUALITY REPORTS
XX -85-102-011 T50172	QA	80202	N	SQN	Y Y N Y	I-85-735-SQN	NS	SEQUOYAH: NDE INSPECTORS CAN ONLY WRITE A NOTICE OF INSPECTION ON IN-SERVICE RELATED DEFECTS. PRESERVE DEFECTS CAN ONLY BE IDENTIFIED BY A MAINTENANCE REQUEST. NUCLEAR POWER DEPT. CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.	RECORD GENERATION NONCONFORMANCE QUALITY REPORTS

11 CONCERNS FOR CATEGORY QA SUBCATEGORY 80202

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80203 INSPECTION PERFORMANCE

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-282-002 T50014	QA	80203	N	WBN	Y Y Y Y	IN-85-271-001	NS	UNTIL RECENTLY, TVA WELD INSPECTORS REQUIRED ALL PIPE WELDS TO BE SURFACE GROUND TO A SMOOTH FINISH. THE CONCERN IS THAT SMOOTH GRINDING MAY ACTUALLY MASK A SURFACE DEFECT WHICH WOULD OTHERWISE BE DETECTABLE. NO FURTHER DETAILS WERE AVAILABLE.	WELDING INSPECTION WELDING PIPE
00 -85-005-003 T50224	QA	80203	S	SQN	Y Y N Y		SS	SEQUOYAH: CRAFT FOREMAN (KNOWN) AND OTHER MEMBERS OF THE CREW DELIBERATELY DISTRACTED AN INSPECTOR TO PREVENT THE INSPECTOR FROM NOTICING A NONCONFORMANCE REGARDING CABLE INSULATION DAMAGE. THE INSPECTOR WAS DISTRACTED WHILE THE CABLE DAMAGE WAS REPAIRED IMPROPERLY, AND THE CABLE PULLED INTO THE CONDUIT. (SPECIFIC CABLE CONCERN ADDRESSED IN THIS FILE, CONCERN 001) DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. CO NST. DEPT. CONCERN. CI HAS NO F	NONCONFORMANCE CORRECTIVE ACTION GENERAL FOREMAN
SQM-86-009-001 T50262	QA	80203	N	SQN	N N N N	I-86-242-SQN	SS	A PIECE OF EQUIPMENT (NOT SPECIFIED) MAY NOT HAVE BEEN ADEQUATELY INSPECTED. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. NUCLEAR POWER DEPARTMENT CONCERN.	NONCONFORMANCE INSPECTION QUALITY EQUIPMENT

3 CONCERNS FOR CATEGORY QA SUBCATEGORY 80203

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 80205 INSPECTION PROGRAM SCOPE

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CATEGORY: QA QA/QC PROGRAMS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
XX -85-007-003 T50082	QA	80205	N	SQN	N N N N	XX-85-007-003	SS	SEQUOYAH - TURBINE BUILDING NON-CODE PIPING HAD NO QUALITY INSPECTION. INSPECTED BY FOREMAN ONLY. EXAMPLE: CONDENSATION, HEATER DRAIN, FEEDWAT ER AND AUX.-FEED WATER SYSTEM, UNIT 1 & 2. C/I HAS NO FURTHER INFORMATI ON.	INSPECTION PROCEDURES QUALITY PIPE

1 CONCERNS FOR CATEGORY QA SUBCATEGORY 80205

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80301 QUALIFICATION

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
WI -85-081-007 T50237	QA	80301	N	WBN	Y Y Y Y		NS	CI EXPRESSED THAT WELDING INSPECTORS ARE NOT QUALIFIED FOR THE JOB. CI STATED THAT AN INSPECTOR NEEDED TO BE A WELDER SO THE INSPECTOR WOULD KNOW WHAT TO LOOK FOR IN A GOOD WELD. CI DECLINED TO PROVIDE ANY ADDITIONAL INFORMATION. CONSTRUCTION DEPARTMENT CONCERN. NO FOLLOW UP REQUIRED
XX -85-069-001 T50174	QA	80301	S	SQN	Y Y Y Y	I-85-373-NPS	SS	SEQUOYAH. MANY EMPLOYEES ARE CERTIFIED BUT ARE NOT QUALIFIED. THEY DO NOT HAVE ENOUGH ON THE JOB TRAINING (OJT) EVEN THOUGH IT IS DOCUMENTED THAT THEY DO HAVE ENOUGH OJT. THE CONCERN EXISTED FROM 1980 TO PRESENT. DETAILS KNOWN TO QTC, WITHHELD TO MAINTAIN CONFIDENTIALITY. NUC POWER CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

TRAINING  
 QUALIFICATION  
 WELDING  
 INSPECTORS

FALSIFICATION  
 RECORDS  
 OPERATIONS  
 REPORTS

2 CONCERNS FOR CATEGORY QA SUBCATEGORY 80301



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80302 CERTIFICATION

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-021-X05 T50134	QA	80302	S WBN	N N Y Y	IN-85-770-002	NS	WELDERS CERTIFICATION CARDS WERE FALSIFIED. (DETAILS OF SPECIFIC CASE ARE KNOWN TO QTC AND WITHHELD TO MAINTAIN CONFIDENTIALITY) CONSTRUCTION CONCERN. CI HAS NO MORE INFORMATION.	FALSIFICATION RECORDS WELDING WELDERS
IN -85-770-X07 T50137	QA	80302	S WBN	N N Y N	IN-85-770-002	NS	WELDERS (8) CERTIFICATION CARDS WERE FALSIFIED. (DETAILS TO THE SPECIFIC CASE ARE KNOWN TO QTC AND WITHHELD TO MAINTAIN CONFIDENTIALITY). CI HAS NO MORE INFORMATION. CONSTRUCTION DEPT. CONCERN. NO FOLLOW-UP REQUIRED.	FALSIFICATION WELDING WELDING REPORTS
IN -85-778-X07 T50137	QA	80302	S WBN	N N Y Y	IN-85-770-002	NS	WELDER CERTIFICATION CARD FALSIFIED, (DETAILS TO SPECIFIC CASE ARE KNOWN TO QTC AND WITHHELD TO MAINTAIN CONFIDENTIALITY). CONSTRUCTION DEPT. CONCERN. CI HAS NO MORE INFORMATION. NO FOLLOW-UP REQUIRED.	FALSIFICATION WELDING WELDING REPORTS
WI -85-041-002 T50103	QA	80302	S WBN	Y Y Y Y		SS	QUALIFICATION/TRAINING OF INSPECTORS FOR STRUCTURAL (AWS) WELD VISUAL EXAMINATION IS QUESTIONABLE; LEVEL II CERTIFICATION IS GRANTED WITH ONLY TWO MONTHS OF OJT, WHICH IS NOT DOCUMENTED; THE TOPICAL REPORT HAS "BASTARDIZED" ANSI N45.2.6, REGARDING QUALIFICATION OF INSPECTION/EXAMINATION PERSONNEL. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.	TRAINING QUALIFICATION WELDING INSPECTORS

4 CONCERNS FOR CATEGORY QA SUBCATEGORY 80302

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 80303 TRAINING AND EXPERIENCE

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CATEGORY: QA QA/QC PROGRAMS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-476-004 T50037	QA	80303	N	WBN	Y Y Y Y		NS	APPROX. 1980, TVA IMPLEMENTED A WELDING INSPECTORS TRAINING PROGRAM AND PEOPLE WITH A GROCERY CLERK BACKGROUND WERE INSPECTING WELDS WITHIN TWO WEEKS.	TRAINING QUALIFICATION QUALITY INSPECTORS
IN -85-981-001 T50111	QA	80303	N	WBN	Y Y Y Y		NS	WELDING INSPECTORS WERE INADEQUATELY TRAINED PRIOR TO 1981, I.E., PERSONNEL WITH NO EXPERIENCE INVOLVING WELDING WERE SENT TO A TWO WEEK TRAINING CLASS AND THEN FUNCTIONED AS A WELDING INSPECTOR. CI HAS NO MORE INFORMATION. NO FOLLOW UP REQUIRED.	TRAINING QUALIFICATION WELDING INSPECTORS
WI -85-041-002 T50103	QA	80303	S	WBN	Y Y Y Y		SS	QUALIFICATION/TRAINING OF INSPECTORS FOR STRUCTURAL (AWS) WELD VISUAL EXAMINATION IS QUESTIONABLE; LEVEL II CERTIFICATION IS GRANTED WITH ONLY TWO MONTHS OF OJT, WHICH IS NOT DOCUMENTED; THE TOPICAL REPORT HAS "BASTARDIZED" ANSI N45.2.6, REGARDING QUALIFICATION OF INSPECTION/EXAMINATION PERSONNEL. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.	TRAINING QUALIFICATION WELDING INSPECTORS

3 CONCERNS FOR CATEGORY QA SUBCATEGORY 80303

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80401 NONCONFORMANCE REPORTING

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
I-85-517-BFN	QA	80401	N BFN	Y Y Y Y		SS	CI IS CONCERNED THAT CORRECTIVE ACTION REPORTS (CARS) AT BROWNS FERRY NUCLEAR PLANT ARE NOT BEING ISSUED IN A TIMELY MANNER AFTER BEING SUBMITTED BY THE INITIATOR. CI BELIEVES THIS CAN BE ATTRIBUTED TO THE FACT THAT THE NQAM PART II, SECTION 7.2 DOES NOT PROVIDE ANY REQUIREMENTS FOR TIMELINESS.
IN -85-293-001 T50065	QA	80401	S WBN	N N Y Y	I-85-267-WBN	SS	NCR #4412 WAS WRITTEN TO ADDRESS UNDERSIZED ORIFICE PLATES IN SYSTEM 67, BOTH UNITS 1 & 2. NCR #4412 WAS DISPOSITIONED TO CHANGE OUT (REPLACE) UNDERSIZED ORIFICE PLATES (PURCHASED FROM MERIAN INST. CO., CLEVELAND, OHIO, CONTRACT #83520-1) WITH NEW ORIFICE PLATES. C/I STATES THAT NCR #4412 HAS BEEN CLOSED BUT THE UNDERSIZED ORIFICE PLATES WERE NOT REMOVED FROM THE SYSTEM. NO DOCUMENTATION EXISTS TO SUPPORT THE CLOSURE OF NCR #4412. NO FURTHER INFORMATION AVAILABLE. NO FOLLOW-UP REQUIRED.
IN -85-688-004 T50080	QA	80401	S WBN	Y Y Y N	I-85-424-WBN	SS	TVA MANAGEMENT (NAME KNOWN) PREVENTING ISSUANCE AND PROCESSING OF CORRECTIVE ACTION REQUESTS. NAMES AND OTHER DETAILS KNOWN TO QTC. DETAILS WITHHELD TO MAINTAIN CI'S CONFIDENTIALITY.
IN -86-098-001 T50120	QA	80401	N WBN	Y Y Y N	I-85-424-WBN	SS	CAR/DR NOT ISSUED IN A TIMELY MANNER. ANYONE ISSUING A CAR/DR HAS TO GET IT APPROVED BY THEIR SUPERVISOR PRIOR TO ITS ISSUE. AN EXAMPLE IS THE CAR ON THE CSSC "Q" LIST (WRITTEN FEB. '85) WHICH HAS NOT BEEN ISSUED TO DATE. UNITS 1 & 2. NUC POWER CONCERN. CI HAS NO FURTHER INFORMATION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

DESIGN REVIEW  
 PROCUREMENT  
 PIPING  
 MATERIAL

DOCUMENTS  
 NONCONFORMANCE  
 QUALITY  
 REPORTS

RECORD GENERATION  
 NONCONFORMANCE  
 GENERAL  
 REPORTS

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80401 NONCONFORMANCE REPORTING

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
NS -85-001-X03 T50217	QA	80401	N	WBN	Y Y Y Y		NS	THE SAMPLING PROGRAMS ASSOCIATED WITH THE CORRECTION METHOD BLOCK ON SEVERAL NONCONFORMING CONDITION REPORTS (NCRS) SUCH AS 2375R, 2019R, 2634R, AS WELL AS OTHERS, DO NOT COMPLY WITH ANSI N45.2 (71) SECTION 11, "...WHERE A SAMPLE IS USED TO VERIFY ACCEPTABILITY OF A GROUP OF ITEMS. THE SAMPLING PROCEDURE SHALL BE BASED ON RECOGNIZED STANDARD PRACTICES AND SHALL PROVIDE ADEQUATE JUSTIFICATION FOR THE SAMPLE SIZE AND SELECTION PROCESS". CI IS ANONYMOUS.	NONCONFORMANCE STANDARDS GENERAL GENERAL

5 CONCERNS FOR CATEGORY QA SUBCATEGORY 80401

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80402 REVIEW/DISPOSITIONING OF DEVIATION REPORT. DOCMNT.

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-171-001 T50054	QA	80402	S	WBN	Y Y Y Y	I-85-200-WBN	NS	INDIVIDUAL CONCERNED AT THE NUMBER A ND EXTENT OF PROCEDURE REVISIONS CON TINUING TO OCCUR AT THE CURRENT PERC ENTAGE OF PLANT COMPLETION. OF SPEC IFIC REFERENCE WAS THE PROCEDURE GOV ERNING THREAD ENGAGEMENT ON NUTS, WH ICH USED TO REQUIRE 1 FULL THREAD AB OVE THE NUT. THE REQUIREMENT HAS RE CENTLY BEEN CHANGED TO REQUIRE THREA D ENGAGEMENT ONLY TO BE FLUSH WITH T HE TOP OF THE NUT. INDIVIDUAL IS CO NCERNED THAT SUCH INSTANCES MAY BE C AUSED BY AN ATTEMPT TO ACCEPT PREVIO USLY REJECTED WORK. LIST SPECIF	PROCEDURES RECORD GENERATION GENERAL BOLTING
IN -85-293-001 T50065	QA	80402	S	WBN	N N Y Y	I-85-267-WBN	SS	NCR #4412 WAS WRITTEN TO ADDRESS UND ERSIZED ORIFICE PLATES IN SYSTEM 67, BOTH UNITS 1 & 2. NCR #4412 WAS DI SPOSITIONED TO CHANGE OUT (REPLACE) UNDERSIZED ORIFICE PLATES (PURCHASED FROM MERIAN INST. CO., CLEVELAND, O HIO, CONTRACT #83520-1) WITH NEW ORI FICE PLATES. C/I STATES THAT NCR #4 412 HAS BEEN CLOSED BUT THE UNDERSIZ ED ORIFICE PLATES WERE NOT REMOVED F ROM THE SYSTEM. NO DOCUMENTATION EX ISTS TO SUPPORT THE CLOSURE OF NCR # 4412. NO FURTHER INFORMATION AVAILA BLE. NO FOLLOW-UP REQUIRED.	DESIGN REVIEW PROCUREMENT PIPING MATERIAL
IN -86-087-003 T50120	QA	80402	N	WBN	Y Y Y N	I-85-424-WBN	SS	CORRECTIVE ACTION REQUESTS (CARS) AN D DEFICIENCY REPORTS (DRS) ARE NOT I SSUED IN A TIMELY MANNER, WHICH ADVE RSELY AFFECTS PROGRAM EFFECTIVENESS. CI EXPRESSED THAT THE DELAYS ARE D UE TO MANAGEMENT'S (KNOWN) RELUCTANC E TO DOCUMENT SIGNIFICANT CONDITIONS ADVERSE TO QUALITY. AN EXAMPLE PRO VIDED WAS THE CAR ON THE CSSC "Q" LI ST, WHICH WAS WRITTEN IN FEBRUARY, A ND NOT ISSUED UNTIL JULY OR AUGUST. CI STATED THAT THIS WAS A COMMON OC CURRENCE ON THESE TYPES OF DOCUMENTS . FURTHER DETAILS KNOW TO QTC,	RECORD GENERATION NONCONFORMANCE GENERAL REPORTS

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80402 REVIEW/DISPOSITIONING OF DEVIATION REPORT. DOCMNT.

CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
SQM-86-002-004 T50254	QA	80402	N SQN	N N N N	I-86-185-SQN	SS	SPECIFIC SUPERVISION STOPPED CORRECTIVE ACTION ON A QUALITY PROBLEM THAT HAD BEEN IDENTIFIED MONTHS EARLIER. (NAMES/DETAILS KNOWN TO QTC, WITHHELD TO MAINTAIN CONFIDENTIALITY.) NO FURTHER INFORMATION MAY BE RELEASED. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW-UP REQUIRED.	NONCONFORMANCE CORRECTIVE ACTION QUALITY FOREMAN
SQP-86-002-001 T50240	QA	80402	S SQN	N N N N	I-86-129-SQN	SS	QA RECORDS ARE NOT IDENTIFIABLE AND RETRIEVABLE. NSRS INVESTIGATION I-83-13-NPS IDENTIFIED PROBLEMS IN 1983 AND NSRS REPORT R-85-07-NPS INDICATES PROBLEMS NOT CORRECTED IN MID-1985. OE, OC AND NUCLEAR POWER RECORDS ARE CITED. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.	NONCONFORMANCE RECORD COLLECTION QUALITY REPORTS
WBP-86-009-001 T50243	QA	80402	S WBN	Y Y Y Y		NS	QA RECORDS ARE NOT IDENTIFIABLE AND RETRIEVABLE. NSRS INVESTIGATION I-83-13-NPS IDENTIFIED PROBLEMS IN 1983 AND NSRS REPORT R-85-07-NPS INDICATES PROBLEMS NOT CORRECTED IN MID-1985. OE, OC AND NUCLEAR POWER RECORDS ARE CITED. NO FURTHER INFORMATION MAY BE RELEASED. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.	NONCONFORMANCE RECORD COLLECTION QUALITY REPORTS
XX -85-102-010 T50172	QA	80402	N BFN	Y Y Y Y	I-85-744-BFN	NS	BROWN'S FERRY: THE QUALITY PROGRAM AT BROWN'S FERRY LIMITS THE PROPER DOCUMENTATION AND REPAIR OF DEFECTS. IF INSPECTORS OBSERVE DEFECTS IN EQUIPMENT WHICH THEY WERE NOT AUTHORIZED TO INSPECT, THEY ARE NOT ALLOWED TO DOCUMENT THE DEFICIENCY IN A PROGRAMMATIC WAY WHICH ASSURES DOCUMENTED INSPECTION AND REPAIR. NUCLEAR POWER CONCERN. CI HAS NO ADDITIONAL INFORMATION. NO FOLLOW UP REQUIRED.	QA PROGRAM NONCONFORMANCE QUALITY GENERAL

7 CONCERNS FOR CATEGORY QA SUBCATEGORY 80402

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80404 PROGRAM IMPLEMENTATION

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -86-090-002 T50120	QA	80404	N	WBN	Y Y Y N	I-85-421-WBN	SS	CAR'S/DR'S ARE NOT ISSUED IN A TIMELY MANNER. PROCEDURE FOR CAR'S (A.I. 7.3) PROVIDES FOR A DRAFT CAR TO GO THE INITIATOR'S SUPV, TEN TO THE AFFECTED ORGANIZATION, THEN BACK TO THE INITIATOR FOR "FINAL DRAFT" BEFORE TYPING. THIS PROCESS HAS TAKEN IN EXCESS OF 3 MONTHS TO GET A CAR ISSUE D. EXAMPLES GIVEN TO QTC WITHHELD DUE TO CONFIDENTIALITY. CI HAS NO ADDITIONAL INFORMATION. NUCLEAR POWER CONCERN. UNIT 1 & 2 SYSTEMS- VARIOUS, NON-SPECIFIC TIME FRAME ONGOING.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

RECORD GENERATION  
 NONCONFORMANCE  
 GENERAL  
 REPORTS

1 CONCERNS FOR CATEGORY QA SUBCATEGORY 80404

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 80501 ENGINEER DOCUMENT QUALITY

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CATEGORY: QA QA/QC PROGRAMS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-463-006 T50105	QA	80501	N	WBN	N N Y Y		SS	UNIT # 2 SYSTEMS HAVE MANY PROBLEMS WITH INSTRUMENTATION INSTALLATION (E G WITH INTERFERENCES) BECAUSE UNTIL RECENTLY, THERE WERE NO TYPICAL INSTALLATION DETAIL DRAWINGS. INSTRUMENTS INSTALLED PER DRAWING 2-FS-30-74 A/B (BOTH UNITS) HAD NO "TYPICALS" AND THUS HAD NO SPECIFIC INSPECTION ACCEPTANCE CRITERIA. ONE DRAWING WAS RECENTLY REVISED TO PROVIDE INSTALLATION TYPICAL MOUNTING CRITERIA BUT MANY INSTRUMENTS WERE INSTALLED BEFORE THIS REV. (47W610-30) C/I HAS NO MORE INFORMATION.
XX -85-062-003 T50127	QA	80501	S	NPS	Y Y Y Y	I-85-473-NPS	SS	SEQUOYAH, BROWNS FERRY: CI WAS UNOFFICIALLY INFORMED THAT THE DRAWINGS, IN MANY INSTANCES, ARE NOT A TRUE REPRESENTATION OF THE INSTALLATION. NUCLEAR POWER CONCERN. CI HAS NO MORE INFORMATION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 INSPECTION  
 INSTRUMENTATION  
 GENERAL

NONCONFORMANCE  
 DOCUMENT CONTROL  
 OPERATIONS  
 GENERAL

2 CONCERNS FOR CATEGORY QA SUBCATEGORY 80501



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 80502 INSPECTION DOCUMENT QUALITY

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CATEGORY: QA QA/QC PROGRAMS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
IN -85-445-004 T50137	QA	80502	S	WBN	Y Y Y Y	IN-85-445-004	SS	INSTRUMENT LINE SUPPORT (NUMBER KNOWN) HAD INSPECTION REQUIREMENTS INCORRECTLY SIGNED OFF BY INDIVIDUAL OTHER THAN THE INSPECTOR (NAMES KNOWN). NO ACTION BY TVA, OR ANY DISCIPLINARY ACTION TO THE INDIVIDUAL HAS BEEN RELAYED TO THIS CI. CONSTRUCTION DEPT. CONCERN. CI HAS BEEN REVISED TO DELETE AN ADDITIONAL CONCERN WHICH IS ADDRESSED. THIS CONCERN WAS ASSIGNED TO OGC TO INVESTIGATE ON 6-22-85. NO FOLLOWUP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

INSPECTION  
 RECORDS  
 QUALITY  
 REPORTS

1 CONCERNS FOR CATEGORY QA SUBCATEGORY 80502

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

SUBCATEGORY: 80503 DOCUMENT DISTRIBUTION CONTROL

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
SQN-86-040-001	QA	80503	N	SQN	N N N N		NS	DURING THE EXIT INTERVIEW THE CI EXPRESSED HIS CONCERN WITH THE DRAWING CONTROL PROGRAM. THE CI GAVE HIS CONCERN TO HIS SUPERVISOR AND DID NOT WISH TO RESTATE IT OR TO HAVE IT INVESTIGATED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

1 CONCERNS FOR CATEGORY QA SUBCATEGORY 80503

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 80504 QUALITY ASSURANCE RECORDS

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CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-021-X05 T50134	QA	80504	S WBN	N N Y Y	IN-85-770-002	NS	WELDERS CERTIFICATION CARDS WERE FALSIFIED. (DETAILS OF SPECIFIC CASE ARE KNOWN TO QTC AND WITHHELD TO MAINTAIN CONFIDENTIALITY) CONSTRUCTION CONCERN. CI HAS NO MORE INFORMATION.	FALSIFICATION RECORDS WELDING WELDERS
IN -85-091-001 T50001	QA	80504	N SQN	N Y Y Y	IN-85-091-001	SS	QUALITY DOCUMENTATION WAS LOST BY VAULT AND THEN REGENERATED BY THE RESPONSIBLE UNIT.	DOCUMENT ISSUANCE DOCUMENT STATUS GENERAL REPORTS
IN -85-612-X07 T50137	QA	80504	S WBN	N N Y N	IN-85-770-002	NS	WELDER CERTIFICATION CARD FALSIFIED. (DETAILS TO THE SPECIFIC CASE KNOWN TO QTC AND WITHHELD TO MAINTAIN CONFIDENTIALITY). CONSTRUCTION DEPT. CONCERN. CI HAS NO MORE INFORMATION. NO FOLLOW-UP REQUIRED.	FALSIFICATION WELDING WELDING REPORTS
SQM-86-002-001 T50254	QA	80504	N SQN	Y Y N Y	I-86-126-SQN	NS	THE CONTROLLED DOCUMENT RETRIEVAL SYSTEM IS INADEQUATE. (NAMES/DETAILS KNOWN TO QTC, WITHHELD TO MAINTAIN CONFIDENTIALITY.) NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION. NO FURTHER INFORMATION MAY BE RELEASED. NO FOLLOW-UP REQUIRED.	NONCONFORMANCE RECORD COLLECTION QUALITY REPORTS
SQM-86-002-005 T50254	QA	80504	N SQN	N N N N	I-86-185-SQN	SS	CONTROLLED DOCUMENTS CONTAIN CONFLICTING DATA RELATING TO THE SAME INSTALLATION. (NAMES/DETAILS KNOWN TO QTC, WITHHELD TO MAINTAIN CONFIDENTIALITY.) NO FURTHER INFORMATION MAY BE RELEASED. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW-UP REQUIRED.	NONCONFORMANCE RECORD GENERATION QUALITY REPORTS
SQM-86-002-006 T50254	QA	80504	N SQN	N N N N	I-86-185-SQN	SS	WORK IS BEING PERFORMED TO DOCUMENTS CONTAINING CONFLICTING OR OBSOLETE DATA. (NAMES/DETAILS KNOWN TO QTC, WITHHELD TO MAINTAIN CONFIDENTIALITY.) NO FURTHER INFORMATION MAY BE RELEASED. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW-UP REQUIRED.	NONCONFORMANCE CORRECTIVE ACTION QUALITY GENERAL

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
SQM-86-003-002 T50253	QA	80504	N SQN	N N N N	I-86-180-SQN	SS	DUPLICATE DOCUMENTS HAVE BEEN ISSUED WITH CONFLICTING DATA. (NAMES/DETAILS KNOWN TO QTC, WITHHELD TO MAINTAIN CONFIDENTIALITY.) NO FURTHER INFORMATION MAY BE RELEASED. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOW-UP REQUIRED.
SQM-86-011-002 T50264	QA	80504	N SQN	N N N N	I-86-270-SQN	SS	SEQUOYAH WAS ALLEGEDLY SHUT DOWN IN AUGUST 1985, DUE TO THE FAILURE OF A GROUP (KNOWN) TO APPROPRIATELY DOCUMENT WORK (SPECIFICS NOT KNOWN) WHICH HAD BEEN PERFORMED. NO FURTHER INFORMATION IN FILE. ANONYMOUS CONCERN.
SQP-86-002-001 T50240	QA	80504	S SQN	N N N N	I-86-129-SQN	SS	QA RECORDS ARE NOT IDENTIFIABLE AND RETRIEVABLE. NSRS INVESTIGATION I-83-13-NPS IDENTIFIED PROBLEMS IN 1983 AND NSRS REPORT R-85-07-NPS INDICATES PROBLEMS NOT CORRECTED IN MID-1985. OE, OC AND NUCLEAR POWER RECORDS ARE CITED. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.
WBP-86-009-001 T50243	QA	80504	S WBN	Y Y Y Y		NS	QA RECORDS ARE NOT IDENTIFIABLE AND RETRIEVABLE. NSRS INVESTIGATION I-83-13-NPS IDENTIFIED PROBLEMS IN 1983 AND NSRS REPORT R-85-07-NPS INDICATES PROBLEMS NOT CORRECTED IN MID-1985. OE, OC AND NUCLEAR POWER RECORDS ARE CITED. NO FURTHER INFORMATION MAY BE RELEASED. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

NONCONFORMANCE  
 DOCUMENT CONTROL  
 ENGINEERING  
 REPORTS

NONCONFORMANCE  
 RECORD GENERATION  
 OPERATIONS  
 REPORTS

NONCONFORMANCE  
 RECORD COLLECTION  
 QUALITY  
 REPORTS

NONCONFORMANCE  
 RECORD COLLECTION  
 QUALITY  
 REPORTS

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: QA QA/QC PROGRAMS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
XX -85-053-001 T50167	QA	80504	N	SQN	Y Y Y Y	I-85-709-SQN	SS	SEQUOYAH- DOCUMENTATION SAMPLING PLAN FOR PIPE SUPPORTS AND CONDUIT SUPPORTS/WAS INADEQUATE: PLAN ALLOWED ACCEPTING SYSTEMS WITH ONLY 10% OF THE ORIGINALLY REQUIRED DOCUMENTATION. CASES OF MISSING DOCUMENTATION WERE "EVALUATED" AWAY. IN CASES WHERE 10% OF THE DOCUMENTATION WAS NOT FOUND, INSPECTIONS/TESTS WERE ONLY RE-DONE TO THE EXTENT NECESSARY TO REACH 10%. THE CI DOES NOT BELIEVE THIS WAS ADEQUATE, AND MIGHT NOT HAVE MET NRC REQUIREMENTS. (UNIT 1- 1978 TO 1980. CONSTRUCTION ENGINEERING
XX -85-122-042 T50215	QA	80504	N	SQN	Y Y N Y	I-85-987-SQN	SS	SEQUOYAH: MATERIAL CONTROL IS POOR. TRACEABILITY OF REQUIREMENTS, PAPER WORK AND MATERIALS IS INADEQUATE, PAPERWORK FOR QUALITY RECORDS IS POOR. CI HAS NO FURTHER INFORMATION. ANONYMOUS CONCERN VIA LETTER.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

RECORDS  
 PROCEDURES  
 OPERATIONS  
 SUPPORTS ELECT

TRACEABILITY  
 CLASSIFICATION  
 CONSTRUCTION  
 MATERIAL

12 CONCERNS FOR CATEGORY QA SUBCATEGORY 80504

REFERENCE - ECPS111J-ECPS111C  
FREQUENCY - REQUEST  
ONP - ISSS - RWM

TENNESSEE VALLEY AUTHORITY  
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SUBCATEGORY: 80504 QUALITY ASSURANCE RECORDS

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CATEGORY: QA QA/QC PROGRAMS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
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KEYWORD A  
KEYWORD B  
KEYWORD C  
KEYWORD D

129 CONCERNS FOR CATEGORY QA

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: WE NON QA/QC WELDING

SUBCATEGORY: 00000

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
DHT-85-001	WE	00000	N SQN	N N N N		SS	WELDING RODS ARE OF POOR QUALITY. WELD PROCEDURES CALL FOR E705-3 WELD ROD BUT ONLY E705-6 WELD RODS ARE ON SITE.
IN -85-532-004 T50047	WE	00000	S WBN	N N Y N	IN-85-352-001	NS	MEMO ISSUED BY MANAGEMENT THAT PROVIDES DIRECTION THAT IS CONTRARY TO THE ESTABLISHED PROCEDURE FOR WELDER RE-CERTIFICATION. (AUTHOR OF MEMO KNOWN TO QTC)
IN -85-672-003 T50207	WE	00000	S WBN	Y Y Y Y		NS	AT SHIFT END, WELD ROD SLIPS ARE TURNED IN. THE SLIPS ARE CHECKED THEN THROWN AWAY. IF THE ISSUE ROOM DETERMINES AT A LATER DATE THAT A WELDER DID NOT CONFORM TO "TURN IN" PROCEDURES, IT IS HIS WORD AGAINST THEIRS AND HE GETS THE WARNING LETTER. THESE LETTERS HAVE BEEN ISSUED WITHOUT PROOF OF WRONGDOING. CONSTRUCTION DEPT. CONCERN.
IN -86-152-N02	WE	00000	N SQN	N N N N		NS	NRC IDENTIFIED THE FOLLOWING CONCERN FROM REVIEW OF QTC FILE: "SEQUOYAH UNIT 1 ACCUMULATOR ROOMS AND FAN ROOMS ABOVE RACEWAY. WELDS IN 2" SST PIPE DID NOT RECEIVE FINAL 2X INSPECTION." ADDITIONAL INFORMATION TO CLARIFY ABOVE CONCERN: SST MEANS STAINLESS STEEL. RADIUS PIPING THAT GOES AROUND WALL WAS AFFECTED.
JLH-85-003	WE	00000	N SQN	N N N N		NS	THIS CONCERN WAS NOT DOCUMENTED PER SQA166 BUT HAS BEEN INCLUDED IN THE EMPLOYEE CONCERN LOG. A WELD PROCEDURE UTILIZED FOR WELDING GAMMA PLUGS IN PIPING IS ADEQUATE FOR THE JOINT IN QUESTION.

KEYWORD A  
 KEYWORD B  
 KEYWORD C  
 KEYWORD D

WELDING  
 QUALIFICATION  
 WELDING  
 WELDERS

PERSONNEL FEELINGS  
 WELDING  
 WELDING  
 EMPLOYEES

5 CONCERNS FOR CATEGORY WE SUBCATEGORY 00000

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: WE NON QA/QC WELDING

SUBCATEGORY: 50100 WELDER CERTIFICATION

CONCERN NUMBER	CAT	SUB CAT	S H R D PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
EX -85-008-001 T50051	WE	50100	N WBN	Y Y Y Y	IN-85-130-001	NS	SUBJOURNEYMEN USED TO DO WORK THAT THEY'RE NOT QUALIFIED TO DO. THEY NE EDN'T HAVE ANY SPECIFIC TRAINING, BU T DO WORK (EG PIPE FIT-UPS AND WELDS ON 1/4" LINES) NORMALLY DONE BY A J OURNEYMAN WITH 5 YEARS MINIMUM EXPER IENCE. SUBJOURNEYMEN REQUIRE CLOSER TECHNICAL SUPERVISION THAN TVA PROV IDES. WHEN CRAFT COMPLAIN, THEY ARE "CHEWED OUT" BEYOND ALL REASONABLE LIMITS. NO MORE DETAILS KNOWN.	INSTALLATION PERSONNEL FEELINGS QUALITY EMPLOYEES
EX -85-021-002 T50069	WE	50100	N WBN	Y Y Y N	IN-85-352-001	NS	THERE IS NO METHOD/OBJECTIVE EVIDENC E TO VERIFY THAT A WELDER HAS USED A SPECIFIC PROCESS WHEN THEIR WELD CA RDS ARE STAMPED/UP-DATED BY QC. NO FOLLOW-UP REQUIRED - NO ADDITIONAL I NFORMATION AVAILABLE.	TRAINING QUALIFICATION CONSTRUCTION WELDERS
EX -85-042-003 T50158	WE	50100	N WBN	N N Y Y	EX-85-042-003	NS	WELDERS ARE BEING REQUALIFIED ON CAR BON PLATE WITH A CARBON BACKING STRI P. THE TEST PLATE IS SET AT 33 DEGR EE FOR THE TEST AND THIS ONE TEST RE QUALIFIES THE WELDER FOR EVERY PROCE SS HE HAD BEFORE, INCLUDING PIPE. C I DOES NOT FEEL THIS IS PROPER. CON STR. DEPT. CONCERN. CI HAS NO ADDIT IONAL INFORMATION. NO FOLLOWUP REQU IRED.	TRAINING QUALIFICATION WELDING WELDERS
IN -85-021-003 T50038	WE	50100	N WBN	N N Y Y	IN-85-021-003	NS	STEAMFITTER'S WELDER CERTIFICATION C ARDS HAVE BEEN BACK DATED 1 OR 2 WEE KS TO COVER WELDERS WHO CERTIFICATIO N CARDS WERE NOT RE-STAMPED AFTER TH E 90 DAY CERTIFICATION PERIOD HAD EX PIRED. THIS OCCURRED WITH SEVERAL S /F WELDERS WHO WELDED DURING THE 90 DAY PERIOD. IN NOVEMBER 1984 CI WAS GIVEN 2 WEEKS OFF BY GENERAL FOREMA N FOR LETTING CI'S 90 DAY CERTIFICAT ION CARD EXPIRE. CI STATED HE HAD M ADE 96 ASME CODE CLASS 2 WELDS DURIN G THE 90 DAY TIME PERIOD (AUG.-OCT. 1984). AFTER RETURNING TO WORK	FALSIFICATION QUALIFICATION WELDING WELDERS



REFERENCE - ECPS111J-ECPS111C  
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CATEGORY: WE NON QA/QC WELDING

SUBCATEGORY: 50100 WELDER CERTIFICATION

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-113-003 T50020	WE	50100	N WBN	N Y Y N	IN-85-113-003	NS	WELDERS ONLY HAVE THEIR CERTIFICATION CARDS STAMPED EVERY 90 DAYS. WELDERS ARE NOT REQUIRED TO BURN ROD AND HAVE IT INSPECTED IN ORDER TO MAINTAIN THEIR CERTIFICATION	WELDING QUALIFICATION WELDING WELDERS
IN -85-346-003 T50026	WE	50100	N WBN	Y N Y Y	IN-85-352-001	NS	WELDER CERTIFICATIONS ARE UPDATED ON EVIDENCE OF ROD WITHDRAWAL SLIPS. THE PROCESS MAY NOT HAVE BEEN USED IN THE APPLICABLE TIME PERIOD, 90 DAY OR/80 DAY, DEPENDING ON ASME OR AWS	WELDING QUALIFICATION WELDING WELDERS
IN -85-352-001 T50040	WE	50100	N WBN	N N Y N	IN-85-352-001	NS	WELDER UPDATES CERTIFICATION BY GOING TO QC WELDING AND BURNING A ROD OR JUST STRIKING AN ARC. NO WELD USING THE PROCESS IS DONE OR VERIFICATION THAT THE PROCESS HAD BEEN USED ONCE DURING THE 90/180 DAY PERIOD IS REQUIRED.	WELDING QUALIFICATION WELDING WELDERS
IN -85-424-011 T50115	WE	50100	N WBN	N N Y N	IN-85-352-001	NS	WELDER CERTIFICATION UPDATING PROCESS IS INADEQUATE, AND BIASING DISCIPLINARY ACTIONS ON FAILING TO COMPLY WITH THE PROCESS IS UNFAIR. (EG., WELDERS WHO FAIL TO RENEW CERTS. ARE GIVEN TWO WEEKS OFF, BUT RECERTIFICATION CONSISTS ONLY OF GETTING CARD STAMPED--NOWELDING IS INVOLVED.) DETAILS OF SPECIFIC CASE KNOWN TO QTC-WITH ELD TO MAINTAIN CONFIDENTIALITY. CONSTRUCTION DEPARTMENT CONCERN. NO FOLLOW UP REQUIRED.	PERSONNEL FEELINGS HARASSMENT CONSTRUCTION CONST MANAGEMENT
IN -85-426-002 T50065	WE	50100	N WBN	Y Y Y Y	IN-85-352-001	NS	UPDATING OF WELDER CERTIFICATIONS IS INADEQUATE IN THAT A WELDER IS ONLY REQUIRED TO PRESENT THEIR CARD FOR UPDATING AND SOMETIMES IS ASKED TO RUN A BEAD- NEVER A COMPLETE WELD. NO FOLLOW-UP.	WELDING QUALIFICATION WELDING WELDERS

REFERENCE - ECPS111J-ECPS111C  
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SUBCATEGORY: 50100 WELDER CERTIFICATION

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-480-004 T50031	WE	50100	N	WBN	Y Y Y Y		NS	WELDER CERTIFICATION UPDATE IS INADEQUATE. PERSONNEL MAY WORK IN A POSITION THAT DOES NOT REQUIRE ANY WELDING FOR 5-6 YEARS BUT CERTIFICATIONS ARE CONTINUALLY UPDATED. WHEN THESE PERSONS RETURN TO WELDING NO TESTS ARE CONDUCTED. THEY JUST RUN STRINGERS TO UPDATE CERTIFICATIONS.	WELDING QUALIFICATION WELDING WELDERS
IN -85-493-004 T50027	WE	50100	N	WBN	N N Y N	IN-85-352-001	NS	WELDER CERTIFICATION UPDATE IS INADEQUATE TO VERIFY THAT THE WELDER CAN CONTINUE TO WELD A PARTICULAR PROCESS.	WELDING QUALIFICATION WELDING WELDERS
IN -85-532-005 T50042	WE	50100	N	WBN	N N Y N	IN-85-352-001	NS	WELDERS ARE RE-CERTIFIED WITHOUT VERIFICATION THAT WELDERS HAVE PERFORMED SPECIFIC WELD TECHNIQUE.	WELDING QUALIFICATION WELDING WELDERS
IN -85-540-001 T50045	WE	50100	N	WBN	N N Y N	IN-85-352-001	NS	INADEQUATE WELDER CERTIFICATION UPDATE. WELDER IS "PUNISHED" IF HE/SHE FORGETS TO UPDATE ON TIME YET THE UPDATE IS A FORMALITY. THERE IS NO VERIFICATION THE PROCESS WAS USED DURING THE 90 DAY PERIOD. EMPLOYEES ARE KEPT UPDATED EVEN THOUGH THEY DO NOT WELD FOR YEARS AT A TIME.	WELDING QUALIFICATION WELDING WELDERS
IN -85-543-002 T50045	WE	50100	N	WBN	N N Y N	IN-85-352-001	NS	WELDER CERTIFICATION UPDATE PROCEDURE IS INADEQUATE. WELDERS CAN BE OFF WORK OVER 90 DAYS AND NOT BE REQUIRED TO RE-TEST UPON RETURNING TO WORK.	WELDING QUALIFICATION WELDING WELDERS
IN -85-612-006 T50137	WE	50100	N	WBN	N N Y N	IN-85-352-001	NS	WELDER CERTIFICATION UPDATE IS INADEQUATE AND NOT ENFORCED PER AN ESTABLISHED SET OF CRITERIA. WELDERS GIVEN TIME OFF WITHOUT PAY FOR FAILURE TO UPDATE CERTIFICATIONS. (NAMES/DETAILS TO THE SPECIFIC CASE ARE KNOWN TO QTC AND WITHHELD TO MAINTAIN CONFIDENTIALITY). CONSTRUCTION DEPT. CONCERN. CI HAS NO MORE INFORMATION. REASON: THIS CONCERN WAS REVISED TO DELETE AN ADDITIONAL CONCERN THAT HAS BEEN ADDRESSED. STATUS: THIS CONCERN WAS ASSIGNED TO ERT FOR INVESTIGATION ON 7-4-85. NO FOLLOW-UP.	TRAINING QUALIFICATION WELDING WELDERS

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RNM

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CATEGORY: WE NON QA/QC WELDING

SUBCATEGORY: 50100 WELDER CERTIFICATION

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-706-001 T50064	WE	50100	N	WBN	Y Y Y Y		NS	WELDERS WHO WENT THROUGH TVA'S WELDER TRAINING PROGRAM HAVE INSUFFICIENT TRAINING AND EXPERIENCE TO HANDLE ALL VARIABLES INVOLVED TO PERFORM ADEQUATE WELDS FOR A NUCLEAR INSTALLATION. THIS INADEQUACY HAS CREATED A LOT OF REWORK. CI HAS NO MORE DETAIL S.	TRAINING QUALIFICATION CONSTRUCTION WELDERS
IN -85-725-X15 T50167	WE	50100	N	WBN	Y Y Y N	IN-85-725-X15	NS	THE CONTROL OF WELDER RECERTIFICATION TEST PLATES WAS INADEQUATE: TEST PLATES BEGUN BY ONE WELDER COULD HAVE BEEN COMPLETED BY ANOTHER WELDER. DETAIL KNOWN TO QTC-WITHHELD TO MAINTAIN CONFIDENTIALITY.	TRAINING QUALIFICATION WELDING WELDERS
IN -85-770-002 T50115	WE	50100	N	WBN	N N Y N	IN-85-770-002	NS	UPDATE OF WELDER CERTIFICATION RECORDS ARE NOT PERFORMED IN ACCORDANCE WITH PROCEDURE, IN THAT OBJECTIVE EVIDENCE OF PROCESS USE IN PROCEEDING 90 DAY PERIOD IS NOT OBTAINED OR VERIFIED PRIOR TO UPDATE OF CERTIFICATION. WELDS HAVE BEEN MADE BY UNCERTIFIED WELDERS. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. CONSTRUCTION DEPARTMENT CONCERN. NO FOLLOW UP REQUIRED.	TRAINING QUALIFICATION CONSTRUCTION EMPLOYEES
IN -85-770-003 T50115	WE	50100	N	WBN	N N Y N	IN-85-352-001	NS	INDIVIDUALS POSSESSING INVALID WELDER CERTIFICATIONS. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY REQUIREMENTS. CONSTRUCTION DEPARTMENT CONCERN. FOLLOW UP REQUIRED.	NONCONFORMANCE QUALIFICATION GENERAL WELDERS
IN -85-778-001 T50080	WE	50100	N	WBN	N N Y N	IN-85-352-001	NS	WELDER CERTIFICATIONS HAVE BEEN IMPROPERLY UPDATED. NO FURTHER DETAILS AVAILABLE.	QUALIFICATION RECORDS WELDING WELDERS
IN -85-815-001 T50071	WE	50100	N	WBN	N N Y N	IN-85-352-001	NS	RE-CERTIFICATION OF SOME WELDERS CONSISTS ONLY OF COMPLETING PAPERWORK. THESE EMPLOYEES DO NOT HAVE TO PROVE WELDING ABILITY. THIS IS DONE FOR SOME EMPLOYEES WHO HAVE NOT WELDED FOR YEARS. NO FURTHER DETAILS AVAILABLE.	TRAINING QUALIFICATION WELDING WELDERS

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: WE NON QA/QC WELDING

SUBCATEGORY: 50100 WELDER CERTIFICATION

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-835-002 T50084	WE	50100	N WBN	N N Y N	IN-85-352-001	NS	WELDERS RE-CERTIFICATION CAN BE ACCOMPLISHED BY SIMPLY HAVING ONES CARD STAMPED. NO PERFORMANCE TEST IS REQUIRED OR CONDUCTED IN THE PROCESS.	RECORDS PROCEDURES WELDING WELDERS
IN -85-940-X04 T50258	WE	50100	N WBN	N Y Y Y		NS	UNTIL RECENTLY, A WELDER COULD HAVE WELDING CERTIFICATIONS UPDATED BY MERELY HAVING THE CERTIFICATION CARD INITIALED BY AN INSPECTOR. THIS PRACTICE MAY NOT HAVE ASSURED THAT THE UPDATE WAS BASED ON OBJECTIVE EVIDENCE OF UTILIZATION OF THE REQUIRED PROCESS WITHIN THE SPECIFIED TIME PERIOD. CONSTRUCTION DEPARTMENT CONCERN. CI HAS NO FURTHER INFORMATION.	TRAINING QUALIFICATION WELDING WELDERS
IN -85-965-001 T50104	WE	50100	N WBN	N N Y N	IN-85-770-002	NS	A WELDORS CERTIFICATION (NAME KNOWN) EXPIRED ON A WEDNESDAY. THIS WELDOER WAS RE-CERTIFIED THE NEXT MONDAY, BUT THE CERTIFICATION WAS BACK-DATED TO PREVENT THE WORK PERFORMED BY THIS WELDOR FROM BEING REJECTED. THIS WAS DONE ABOUT 12-16-80. CI HAS NO ADDITIONAL INFORMATION. NO FOLLOW UP REQUIRED.	RECORDS PROCEDURES WELDING WELDERS
IN -86-158-006 T50180	WE	50100	N WBN	Y Y Y Y		NS	UNTIL 1973 TVA DID NOT LET THEIR APPRENTICESHIP PEOPLE WELD. DURING THAT YEAR, EVEN WITH TWO OR THREE MONTHS EXPERIENCE, AN APPRENTICE COULD TAKE THE TEST, PASS, AND BE ABLE TO WELD IN THE FIELD. THE SYSTEM HAS WORKED THAT WAY EVEN SINCE 1973. CONSTRUCTION DEPT. CONCERN. C/I HAS NO FURTHER INFORMATION.	WELDING NONCONFORMANCE WELDING WELDS
IN -86-167-005 T50130	WE	50100	N WBN	N N Y N	IN-85-770-002	NS	CI IS CONCERNED THAT WELDER RE-QUALS (UPDATES) HAVE BEEN BACK DATED. (DETAILS ARE KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY.) CONSTRUCTION DEPT. CONCERN. CI HAS NO FURTHER INFORMATION. FOLLOW UP REQUIRED.	FALSIFICATION RECORDS WELDING WELDERS

REFERENCE - ECPS111J-ECPS111C  
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SUBCATEGORY: 50100 WELDER CERTIFICATION

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
PH -85-052-002 T50216	WE	50100	N WBN	N N Y Y		NS	CI'S WELDER RE-CERTIFICATIONS WERE BACK DATED. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. NO FURTHER INFORMATION MAY BE RELEASED. CONST. DEPT CONCERN. CI HAS NO FURTHER INFORMATION.	RECORDS PROCEDURES WELDING WELDERS
WI -85-055-001 T50135	WE	50100	N WBN	N N Y Y	WI-85-055-001	NS	THE WELDER CERTIFICATION TEST PRESENTLY BEING ADMINISTERED TO WELDERS AT WATTS BAR, IN THE RECERTIFICATION EFFORTS FOLLOWING A RECENT STOP WORK ORDER (NO. 25), IS NOT IN COMPLIANCE WITH CODE (ASME SECTION 9). CI HAS NO FURTHER INFORMATION. NO FOLLOW-UP REQUIRED.	TRAINING QUALIFICATION WELDING WELDERS
WI -85-056-001 T50144	WE	50100	N WBN	N N Y Y	WI-85-056-001	NS	CI WAS TOLD (BY WELDERS WHO ARE IN THE PROCESS OF RETESTING) THAT THEY ARE BEING TESTED ON FLAT PLATE, IN THE FLAT POSITION, FOR WELDING PIPE USING THE T.I.G. AND S.M.A.W. PROCESSES. THIS IS NOT IN ACCORDANCE WITH ASME CODE REQUIREMENTS. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.	TRAINING QUALIFICATION WELDING WELDERS
XX -85-049-001 T50230	WE	50100	N SQN	Y Y N Y	I-85-135-SQN	SS	SEQUOYAH: WELDER CERTIFICATIONS HAVE BEEN UPDATED FOR WELDERS WHO DID NOT MEET UPDATE REQUIREMENTS OR BACKDATED TO GIVE THE APPEARANCE OF REQUIREMENT COMPLIANCE. CONSTRUCTION DEPARTMENT CONCERN. CI DECLINED TO PROVIDE FURTHER INFORMATION. NO FOLLOW UP REQUIRED.	FALSIFICATION WELDING WELDERS
XX -85-101-006 T50162	WE	50100	N SQN	N N N N		NS	SEQUOYAH: A WELDER PERFORMED WELDS WITHOUT HAVING THE PROPER CERTIFICATION. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.	TRAINING QUALIFICATION OPERATIONS WELDERS

31 CONCERNS FOR CATEGORY WE SUBCATEGORY 50100

REFERENCE - ECPS111J-ECPS111C  
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 SUBCATEGORY: 50300 WELD FILLER MATERIAL CONTROL

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EX -85-039-001 T50146	WE	50300	N WBN	Y Y Y Y		NS	WBNP: THERE ARE NO PORTABLE OVENS F OR STORING WELD ROD AFTER IT HAS BE EN ISSUED TO THE WELDER AND THE WELD ROD IS NOT ADEQUATELY ACCOUNTED FOR WHEN IT IS RETURNED, I.E. ROD STUBS AND UNUSED ROD. CONST. DEPT. CONCE RN. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.	WELDING FAVORITISM WELDING WELD ROD
IN -85-234-001 T50027	WE	50300	N WBN	Y Y Y Y	EX-85-021-001	NS	WELD RODS ARE NOT REQUIRED TO BE KEP T IN ROD OVENS AFTER ISSURANCE TO ST EAMFITTER WELDERS. THE ROD CAN BE K EPT UNHEATED FOR 8 HOURS AT A TIME I N A LEATHER POUCH.	WELDING STORAGE WELDING WELD ROD
IN -85-247-001 T50022	WE	50300	N WBN	Y Y Y Y	IN-85-284-001	NS	7018 RODS (PURCHASED) ARE OF POOR QU ALITY. THIS CONTRIBUTES TO POROSITY AND PINHOLES.	WELDING PROCUREMENT WELDING WELD ROD
IN -85-352-002 T50040	WE	50300	N WBN	Y Y Y N	EX-85-021-001	NS	NO PORTABLE OVENS ARE USED ON WATTS BAR. WELD ROD CAN BE KEPT OUT OF OV EN FOR AN ENTIRE SHIFT AND RETURNED TO OVEN FOR LATER USE.	WELDING WELDING WELDING WELD ROD
IN -85-424-001 T50041	WE	50300	N WBN	Y Y Y Y	EX-85-021-001	NS	NO PORTABLE OVENS USED/REQUIRED ON W ATTS BAR. THE ROD OFTEN COLLECTS MO ISTURE AND SHOULD NOT BE USED.	WELDING FAVORITISM WELDING WELD ROD
IN -85-424-004 T50040	WE	50300	N WBN	Y Y Y N	EX-85-021-001	NS	QA TRAINING CLASS, 6-5-85, INFORMED CRAFT THAT STEAMFITTERS COULD WITHDR AW AND CONTROL WELD ROD IF THEY HAD A WELDER SIGNED WELD SLIP AND THE WE DERS CARD.	WELDING QUALIFICATION WELDING WELD ROD
IN -85-424-006 T50040	WE	50300	N WBN	Y Y Y N	EX-85-021-001	NS	NO ACCOUNTABILITY OF WELD ROD DURING ISSUANCE OR RETURN OF UNUSED ROD AN D STUBS.	WELDING TRACEABILITY WELDING WELD ROD

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
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IN -85-424-007 T50102	WE	50300	N WBN	Y Y Y N	EX-85-021-001	NS	LACK OF WELD ROD CONTROL: WELDORS GET ADDITIONAL ROD FROM OTHER WELDORS RATHER THAN GOING BACK TO THE ROD ROOM FOR MORE. SITE POLICY ALLOWS LEAVING ROD WITH OTHER WELDORS, OR LETTING SUB-JOURNEYMEN CHECK-OUT ROD AND RETURN ROD. (CAN ALSO LEAVE ROD IN TOOL BOXES). THE ROD ROOM DOES NOT COUNT ROD WHEN IT IS ISSUED, AND DOES NOT REQUIRE ACCOUNTING FOR ROD STUBS. OCCASSIONALLY, WELDORS ARE REPRIMANDED FOR NOT TURNING IN ROD WITH DRAWAL SLIPS, EVEN THOUGH THE ROD SLIP REALLY DOES NOT ACCOUNT FOR A	WELDING TRACEABILITY WELDING WELD ROD
IN -85-426-001 T50065	WE	50300	N WBN	Y Y Y N	EX-85-021-001	NS	PORTABLE OVENS ARE NOT REQUIRED. WELD ROD IS KEPT OUT OF OVEN FOR AN ENTIRE SHIFT. NO FOLLOW-UP.	WELDING FAVORITISM WELDING WELD ROD
IN -85-441-003 T50040	WE	50300	N WBN	Y Y Y N	EX-85-021-001	NS	NO PORTABLE OVENS ON WATTS BAR. THE ROD SOMETIMES COLLECTS MOISTURE BY THE END OF THE SHIFT AND CANNOT BE USED.	WELDING FAVORITISM WELDING WELD ROD
IN -85-453-009 T50030	WE	50300	N WBN	Y Y Y N	EX-85-021-001	NS	WELDERS FREQUENTLY GIVE WELD ROD TO OTHER WELDERS	WELDING TRACEABILITY WELDING WELDERS
IN -85-454-004 T50030	WE	50300	N WBN	Y Y Y N	EX-85-021-001	NS	WELDERS FREQUENTLY GET ROD FROM EACH OTHER INSTEAD OF WITHDRAWING FOR ROD ROOM	WELDING TRACEABILITY WELDING WELDS
IN -85-501-001 T50031	WE	50300	N WBN	Y Y Y Y		NS	UNUSED BUNDLES OF WELD ROD FREQUENTLY FOUND IN TRASH CANS I.E. TURBINE L DG., 708', 729', AND 755' ELEVATIONS, UNIT #2 (15-20 RODS FOUND 6-7-85)	WELDING TRACEABILITY WELDING WELD ROD
IN -86-047-001 T50110	WE	50300	N WBN	Y Y Y Y		NS	A SYSTEM IS NEEDED THAT VERIFYS THAT THE WELDER DID RETURN THE UNUSED WELD ROD AND STUBS AND WILL PROVIDE THE WELDER A RECEIPT SO THAT THE WELDER CAN PROVE HE DID RETURN THE MATERIAL IN CASE AN ERROR WAS MADE. CI HAS NO ADDITIONAL INFORMATION. CONSTRUCTION DEPARTMENT.	WELDING TRACEABILITY WELDING WELD ROD

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 50300 WELD FILLER MATERIAL CONTROL

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CATEGORY: WE NON QA/QC WELDING

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
WI -85-053-004 T50135	WE	50300	N	WBN	Y Y Y Y		SS	WELD ROD CONTROL DOES NOT SATISFY CODE REQUIREMENTS. TVA ATTITUDE IS "ALL MATERIAL IS CODE MATERIAL". CONSTRUCTION DEPT CONCERN. CI HAS NO FURTHER INFORMATION.	WELDING TRACEABILITY WELDING WELD ROD
XX -85-013-001 T50039	WE	50300	N	SQN	N N N N	XX-85-013-001	SS	309 WELD ROD WAS USED TO WELD 316 STAINLESS PIPE AT SEQUOYAH UNIT 1.	QA PROGRAM STANDARDS PIPING WELD ROD

16 CONCERNS FOR CATEGORY WE SUBCATEGORY 50300



REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: WE NON QA/QC WELDING

SUBCATEGORY: 50600 WORKMANSHIP/SPECIFIC WELD PROBLEMS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
PH -85-040-001 T50203	WE	50600	N	WBN	Y Y Y Y		NS	QA HANGERS WERE FREQUENTLY PAINTED BEFORE THE WELDS WERE INSPECTED. AUX BUILDING, REACTOR BUILDING #1, ELE V. 742'-0", & 745'-0". 1983. CONSTRUCTION DEPT. CONCERN. CI HAS NO FURTHER DETAILS.	WELDING INSPECTION WELDING HANGERS
SQM-86-008-001 T50263	WE	50600	N	SQN	N N N N	I-86-269-SQN	SS	WELDS ON PIPING IN ACCUMULATOR ROOM #5, REACTOR II, SPECIFICALLY SOCKET WELDS OF THE SAFETY INJECTION SYSTEM, ARE UNDERSIZED. NUCLEAR POWER DEPARTMENT CONCERN. NO FURTHER INFORMATION IN FILE.	NONCONFORMANCE CORRECTIVE ACTION WELDING WELDS
XX -85-098-001 T50181	WE	50600	N	SQN	N N N N	XX-85-098-001		SEQUOYAH: THERE WAS A LAMINATED PIPE 12" OR 14" DIAMETER COMING OUT OF THE CONDENSER IN UNIT 2 TURBINE BUILDING. THE CRAFT COULD NOT GET A GOOD WELD DUE TO LAMINATION. OCCURRED IN 1977. DETAILS KNOWN TO QTC, WITH HELD DUE TO CONFIDENTIALITY. CONSTRUCTION DEPARTMENT CONCERN. C/I HAS NO ADDITIONAL INFORMATION.	NONCONFORMANCE CORRECTIVE ACTION PIPING PIPE

3 CONCERNS FOR CATEGORY WE SUBCATEGORY 50600

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 50700 NDE PROCESS/PROCEDURE

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CATEGORY: WE NON QA/QC WELDING

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
BEM-85-001-001 T50227	WE	50700	N	BLN	Y Y Y Y	I-85-127-BLN	NS	BELLEFONTE - THE GENERAL CONST. SPEC. G-29C, PROCESS SPEC. 0.C.1.1 IS IN CONFLICT WITH THE TVA QUALITY ASSURANCE COMMITMENTS AS STATED BY THE TV A TOPICAL REPORT, TVA-TR75-1A, IN TH AT PROCESS SPEC. 0.C.1.1, SECTION 6.0. 0.0 ALLOWS UNCERTIFIED WELDER FOREMEN, WHO HAVE DIRECT RESPONSIBILITY FOR THE INSTALLATION, TO PERFORM PREWELD INSPECTIONS. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	WELDING PROCEDURES QUALITY WELDS
BEM-85-001-002 T50227	WE	50700	N	BLN	Y Y Y Y	I-85-162-BLN	NS	BELLEFONTE - UNCERTIFIED WELDER FOREMEN ARE REQUIRED BY TVA TO PERFORM PREWELD INSPECTIONS ON INSTALLATIONS. THEY ARE DIRECTLY RESPONSIBLE FOR WHICH IS A VIOLATION OF ANSI REQUIREMENTS. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	NONCONFORMANCE INSPECTION WELDING FOREMAN
BFM-85-001-001 T50221	WE	50700	N	BLN	Y Y Y Y		NS	BELLEFONTE - THE GENERAL CONST. SPEC. G-29C, PROCESS SPEC. 0.C.1.1 IS IN CONFLICT WITH THE TVA QUALITY ASSURANCE COMMITMENTS AS STATED BY THE TVA TOPICAL REPORT, TVA-TR75-1A, IN TH AT PROCESS SPEC. 0.C.1.1, SECTION 6.0. 0.0 ALLOWS UNCERTIFIED WELDER FORMEN, WHO HAVE DIRECT RESPONSIBILITY FOR THE INSTALLATION, TO PERFORM PREWELD INSPECTIONS. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	WELDING PROCEDURES QUALITY WELDS
BFM-85-001-002 T50221	WE	50700	N	BFN	Y Y Y Y		NS	BROWN'S FERRY - UNCERTIFIED WELDER FOREMEN ARE REQUIRED BY TVA TO PERFORM PRE-WELD INSPECTIONS ON INSTALLATIONS. THEY ARE DIRECTLY RESPONSIBLE FOR WHICH IS A VIOLATION OF ANSI REQUIREMENTS. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	NONCONFORMANCE INSPECTION WELDING FOREMAN
IN -85-007-001 T50001	WE	50700	N	WBN	Y Y Y Y		NS	INSPECTION TOOLS FOR WELDING INSPECTORS WERE NEVER ISSUED. I.E. FILLET WELD SIZE GAGES, FIT-UP GUAGES, ETC.	WELDING INSPECTION WELDING INSPECTORS

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: WE NON QA/QC WELDING

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-134-002 T50050	WE	50700	N WBN	Y Y Y Y		SS	UNTIL RECENTLY (PAST 2 YEARS), TVA DID NOT PROVIDE QC INSPECTORS WITH WELDING INSPECTION TOOLS. SOME INSPECTORS PROVIDED THEIR OWN TOOLS BUT OTHERS DID NOT. CI HAS PASSED AWAY, NO FURTHER DETAILS AVAILABLE.	WELDING INSPECTION WELDING WELDS
IN -85-406-003 T50013	WE	50700	N WBN	Y Y Y Y		SS	PRIOR TO 1979, NO WELD INSPECTION TOOLS WERE ISSUED TO INSPECTORS	WELDING INSPECTION WELDING GENERAL
IN -85-458-001 T50105	WE	50700	N WBN	Y Y Y Y		SS	TVA USED IMPROPER INSPECTION CRITERIA FOR AWS WELDS - MEMO FROM KNOXVILLE (POSSIBLY ENDES, 1980 OR 1981) ALLOWED INSPECTION THROUGH PAINT. INDIVIDUAL FROM KNOXVILLE (KNOWN) INVESTIGATED THIS, BUT RESULTS ARE UNKNOWN. CI HAS NO MORE INFORMATION.	WELDING INSPECTION WELDING WELDS
IN -86-019-001 T50219	WE	50700	N WBN	Y Y Y Y		NS	CI IS CONCERNED THAT WELDS WERE ACCEPTED THROUGH CARBO-ZINC. INSPECTORS WERE DIRECTED VIA MEMO TO ACCEPT WELDS THROUGH PAINT. CI COULD NOT PROVIDE ANY ADDITIONAL INFORMATION. UNIT 1. CONSTRUCTION DEPT. CONCERN.	RECEIVING INSPECTION QUALITY GENERAL
NS -85-001-001 T50022	WE	50700	N WBN	Y Y Y Y	NS-85-001-001	NS	WELDS (AWS) INSPECTED SUBSEQUENT TO PROTECTIVE COATING (CARBOZINC PRIMER) APPLICATION; FINAL VISUAL WELD EXAMINATION OF STRUCTURAL WELDS IN CATEGORY I STRUCTURES, INCLUDING PIPE HANGERS, CABLE TRAY SUPPORTS AND DUCT SUPPORTS; UNIT 1 & 2	WELDING INSPECTION WELDING HANGERS
SQM-85-001-002 T50217	WE	50700	N SQN	N N N N		SS	SEQUOYAH - UNCERTIFIED WELDER FOREMEN ARE REQUIRED BY TVA TO PERFORM PRE WELD INSPECTIONS ON INSTALLATIONS THEY ARE DIRECTLY RESPONSIBLE FOR WHICH IS A VIOLATION OF ANSI REQUIREMENT S. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	NONCONFORMANCE INSPECTION WELDING FOREMAN

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
WBM-85-001-001 T50227	WE	50700	S	WBN	Y Y Y Y		NS	WATTS BAR - THE GENERAL CONST. SPEC. G-29C, PROCESS SPEC. 0.C.1.1 IS IN CONFLICT WITH THE TVA QUALITY ASSURANCE COMMITMENTS AS STATED BY THE TVA TOPICAL REPORT, TVA-TR75-1A, IN THAT PROCESS SPEC. 0.C.1.1, SECTION 6.0 ALLOWS UNCERTIFIED WELDER FOREMEN, WHO HAVE DIRECT RESPONSIBILITY FOR THE INSTALLATION, TO PERFORM PREWELD INSPECTIONS. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	WELDING PROCEDURES QUALITY WELDS
WBM-85-001-002 T50227	WE	50700	N	SQN	Y Y Y Y		NS	SEQUOYAH - UNCERTIFIED WELDER FOREMEN ARE REQUIRED BY TVA TO PERFORM PREWELD INSPECTIONS ON INSTALLATIONS THEY ARE DIRECTLY RESPONSIBLE FOR WHICH IS A VIOLATION OF ANSI REQUIREMENT S. NUCLEAR POWER CONCERN. CI HAS NO FURTHER INFORMATION.	
WI -85-013-003 T50114	WE	50700	N	WBN	Y Y Y Y	WI-85-013-003	SS	G29C (CONSTRUCTION SPECIFICATIONS) ALLOWED WELDS TO BE INSPECTED AFTER PAINTING FROM 1981 THROUGH THE END OF THE WELDING SAMPLING PROGRAM. THIS IS IN VIOLATION OF AWS D1.1. CI HAS NO MORE INFORMATION. (NOTE: THIS ITEM IS CURRENTLY UNDER INVESTIGATION BY ERT. THE REVISION WAS MADE TO SEPARATE THE ORIGINAL 003 CONCERN INTO TWO DISTINCT CONCERNS.)	WELDING NONCONFORMANCE WELDING WELDS
WI -85-030-007 T50185	WE	50700	N	WBN	Y Y Y Y		NS	THE WBN FSAR COMMITS TVA TO THE REQUIREMENTS OF AWS D.1.1 FOR STRUCTURAL WELDING. CONTRARY TO THESE REQUIREMENTS, THE G-29C PROCESS SPECIFICATION WAS MODIFIED TO REFLECT LESS STRINGENT INSPECTION REQUIREMENTS (E.G. VISUAL INSPECTION OF WELDS THROUGH PAINT (CARBO ZINC PRIMER) AND NO DOCUMENTED INSPECTION BY CERTIFIED VISUAL INSPECTORS (FIT-UP, IN-PROCESS) PRIOR TO FINAL INSPECTION.) CI HAS NO ADDITIONAL INFORMATION. NUC. POWER DEPT. CONCERN.	STANDARDS WELDING WELDING WELDS

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: WE NON QA/QC WELDING

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
WI -85-030-008 T50185	WE	50700	N	WBN	Y Y Y Y		NS	THERE MAY HAVE BEEN THOUSANDS OF WELDS INSPECTED THROUGH CARBO-ZINC PRIMER. HOWEVER, TVA REPORTS INDICATE THAT ONLY 100-150 WELDS WERE INSPECTED IN THIS MANNER EVEN THOUGH THERE IS NO DOCUMENTATION IDENTIFYING WHICH WELDS WERE INSPECTED THROUGH CARBO-ZINC PRIMER. NUC. POWER CONCERN. CI HAS NO ADDITIONAL INFORMATION.	QA PROGRAM INSPECTION WELDING WELDS
WI -85-041-006 T50193	WE	50700	N	WBN	Y Y Y Y		SS	AWS WELD INSPECTOR(S) (UNKNOWN) DID NOT UNDERSTAND THE "5 MIL" PROVISION FOR INSPECTION OF COATED (CARBO-ZINC PRIMER) WELDS AS CONTAINED IN REVISIONS OF SPECIFICATION G-29C, PROCEDURE QCP-4.13, AND MEMORANDUM DATED NOVEMBER 1981. INSPECTOR(S) REFERRED TO CRITERIA AS "MILLIAMPS" AND THEREFORE COULD NOT HAVE IMPLEMENTED/INSPECTED FOR CONFORMANCE. CI HAS NO ADDITIONAL INFORMATION. NUC POWER DEPT. CONCERN.	TRAINING QUALIFICATION WELDING INSPECTORS
WI -85-041-008 T50193	WE	50700	N	WBN	Y Y Y Y		SS	PROCESS SPECIFICATION #3.C.5.4 OF G-29C PERMITTED INSPECTION OF AWS WELD S THROUGH COATING (CARBO-ZINC PRIMER) FOR ELEVEN MONTHS AFTER ENGINEERING EVALUATION/TEST SHOWED THAT WELD QUALITY (POROSITY, CRACKS, ETC) COULD NOT BE INSPECTED THROUGH PAINT. NUC POWER DEPT. CONCERN. CI HAS NO ADDITIONAL INFORMATION.	SPECIFICATIONS NONCONFORMANCE WELDING WELDS
XX -85-065-001 T50163	WE	50700	N	SQN	N N Y N	I-85-750-SQN	SS	DURING SPRING OUTAGE (FEB. OR MAR. 1984) AT SEQUOYAH, CI WITNESSED 2 ISI INSPECTORS (NAMES KNOWN) FROM BASELINE GROUP PERFORMING "REMOTE VISUAL INSPECTIONS" ON ERCW SYSTEM RIGID PIPE SUPPORTS IN AUXILIARY BUILDING ELEVATION 669' ON HORIZONTAL PIPE RUNS OFF THE CEILING. CI DEFINES "REMOTE VISUAL INSPECTIONS" AS PERFUNCTORY, POORLY PERFORMED VISUAL INSPECTIONS MADE FROM REMOTE DISTANCES WITHOUT ACTUALLY VERIFYING THE MANDATORY INSPECTION ATTRIBUTES ON THE INSPECTION CHECKLIST. CONSTRUCTION DEPT	NONDESTRUCTIVE EXAM NONCONFORMANCE OPERATIONS INSPECTORS

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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 SUBCATEGORY: 50700 NDE PROCESS/PROCEDURE

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XX -85-083-001 T50144	WE	50700	N	SQN	N N Y N	I-85-652-SQN	NS	SEQUOYAH: INDIVIDUAL EXPRESSED THAT DURING PREVIOUS EMPLOYMENT AT SEQUOYAH, WELDING INSPECTION WAS NOT AS STRICT AS IT IS AT WBNP. THE CONCERN IS THAT EITHER SEQUOYAH WAS NOT PROPERLY INSPECTED, OR THAT WBNP IS EXCESSIVELY INSPECTED, AND UNDULY INCREASES THE COST OF WELDING. CI HAS NO FURTHER INFORMATION. NO FOLLOW UP REQUIRED.	WELDING INSPECTION WELDING WELDS
XX -85-108-001 T50175	WE	50700	N	SQN	N N N N	I-85-776-SQN	SS	SEQUOYAH: C/I STATES WELDS IN UNIT #1 ACCUMULATOR ROOMS AND/OR FAN ROOMS WERE NEVER INSPECTED. TIME FRAME IS NINE OR TEN YEARS AGO. WELDS ON 2" STAINLESS STEEL (SOCKET WELDS) AND HANGERS ON THE RADIUS PIPE IN THOSE AREAS. CONST. DEPT. CONCERN. C/I HAS NO ADDITIONAL INFO.	WELDING INSPECTION OPERATIONS WELDS
XX -85-108-002 T50175	WE	50700	N	SQN	N N N N	I-85-776-SQN	SS	SEQUOYAH: PROGRAMATIC BREAKDOWN ON THE WELD INSPECTION PROCESS. NINE OR TEN YEARS AGO C/I STATES THAT SOME WELDS ON 2" STAINLESS STEEL SOCKET WELDS WERE NOT INSPECTED AS REQUIRED. CONST. DEPT. CONCERN. C/I HAS NO ADDITIONAL INFO.	WELDING INSPECTION OPERATIONS WELDS

22 CONCERNS FOR CATEGORY WE SUBCATEGORY 50700

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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CATEGORY: WE NON QA/QC WELDING

SUBCATEGORY: 50800 WELD PROCESS/PROCEDURE

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-247-002 T50022	WE	50800	N	WBN	Y Y Y Y		NS	WELDING MACHINES (MCKAY & HOBART) USED IN FIELD BY STEAM FITTERS HAVE 2 SETTINGS 50 & 100 AMPS BOTH OF WHICH ARE UNSUITABLE FOR WELDING WITH 3/32" ROD. THIS CONTRIBUTES TO POROSITY AND PINHOLES	WELDING COMMUNICATION WELDING WELD EQUIPMENT
IN -85-303-001 T50021	WE	50800	N	WBN	Y Y Y Y		NS	ALL THE WELDING MACHINES SHOULD HAVE REMOTE SWITCHES SO THAT THE TUNGSTEN TIP DOESN'T HAVE TO TOUCH THE BASE METAL TO START THE WELD. PRESENTLY THE NON-HOBART WELDERS, WHEN USED, MAY CAUSE TUNGSTEN TO BE LEFT IN THE WELD	WELDING INSTALLATION WELDING WELD EQUIPMENT
XX -85-041-001 T50167	WE	50800	N	SQN	N N N N	I-85-756-WBN	SS	AT SEQUOYAH, A WELD WAS MADE IN '79 OR '80 IN DIESEL GENERATOR BUILDING, UNIT 1, USING THE WRONG TYPE ROD TO WELD CARBON STEEL PIPE TO STAINLESS STEEL PIPE. A COVER PASS USING THE CORRECT ROD WAS RUN OVER THE EXISTING WELD. CONSTRUCTION DEPT CONCERN. CI HAS NO MORE INFORMATION.	WELDING CORRECTIVE ACTION QUALITY WELDS
XX -85-100-001 T50158	WE	50800	N	SQN	N N N N		NS	SEQUOYAH: AN UNDETERMINED NUMBER OF WELDS MAY HAVE BEEN IMPROPERLY REPAIRED. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. CONSTR. DEPT. CONCERN. CI HAS NO FURTHER INFORMATION. NO FOLLOWUP REQUIRED.	WELDING REWORK OPERATIONS WELDS

4 CONCERNS FOR CATEGORY WE SUBCATEGORY 50800

REFERENCE - ECPS111J-ECPS111C  
 FREQUENCY - REQUEST  
 ONP - ISSS - RWM

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SUBCATEGORY: 50900 OTHER WELD QUALITY PROBLEMS

CONCERN NUMBER	CAT	SUB CAT	S H R D	PLT LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION	KEYWORD A KEYWORD B KEYWORD C KEYWORD D
IN -85-299-003 T50188	WE	50900	N	WBN	Y Y Y Y		NS	SS WELDS SEEM TO HAVE EXCESS METAL REMOVED AT BUTT WELD JOINTS, ALSO THE WELDS EXHIBIT EXCESSIVE SHRINKAGE AT JOINTS. THIS CONCERN IS GENERIC BUT HAVE EXAMPLES. THIS HAS BEEN NOTICED FOR THE PAST 6 YEARS IN BOTH UNITS. DETAILS KNOWN TO QTC, WITHHELD DUE TO CONFIDENTIALITY. CONSTRUCTION DEPT CONCERN.	WELDING SPECIFICATIONS WELDING PIPE

1 CONCERNS FOR CATEGORY WE SUBCATEGORY 50900



REFERENCE - ECPS111J-ECPS111C  
FREQUENCY - REQUEST  
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SUBCATEGORY: 50900 OTHER WELD QUALITY PROBLEMS

KEYWORD A  
KEYWORD B  
KEYWORD C  
KEYWORD D

CONCERN NUMBER	CAT	SUB CAT	S H R PLT D LOC	GENERIC APPL B B S W F L Q B	QTC/NSRS INVESTIGATION REPORT	P S R	CONCERN DESCRIPTION
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## ATTACHMENT 4.2

## SEQUOYAH ELEMENT REPORTS

<u>Element Report</u>	<u>Expected ECTG Completion Date</u>	<u>NRC "INITIAL" Date</u>	<u>NRC Final Date</u>
<u>Construction</u>			
CO10107	Complete	08-30	09-18
CO10303	Complete	08-30	09-18
CO10307	Complete	08-30	09-18
CO10501	Complete	08-30	09-18
CO10504	Complete	08-30	09-18
CO10505	Complete	08-30	09-18
CO11202	Complete	08-30	09-18
CO11203	Complete	08-30	09-18
CO11301	Complete	08-30	09-18
CO11302	Complete	08-30	09-18
CO11305	Complete	08-30	09-18
CO11306	Complete	08-30	09-18
CO17303	Complete	08-30	09-18
CO17304	Complete	08-30	09-18
CO15101	Complete	08-30	09-18
CO15102	Complete	08-30	09-18
CO15105	Complete	08-30	09-18
CO15109	Complete	08-30	09-18
CO10703	Complete	08-30	09-18
CO17101	Complete	08-30	09-18
CO17105	Complete	08-30	09-18
CO10900	Complete	08-30	09-18
CO19101	Complete	08-30	09-18
CO19201	Complete	08-30	09-18
CO11101	Complete	08-30	09-18
CO11102	Complete	08-30	09-18
CO11103	Complete	08-30	09-18
CO19203	Complete	08-30	09-18
CO17301	08-20	08-30	09-18
<u>Materials</u>			
MC40201	Complete	08-30	09-18
MC40206	Complete	08-30	09-18
MC40301	Complete	08-30	09-18
MC40307	Complete	08-30	09-18
MC40400	Complete	08-30	09-18
MC40503	Complete	08-30	09-18
MC40510	Complete	08-30	09-18
MC40512	Complete	08-30	09-18
MC40302	08-29	09-08	09-26
MC40703	08-29	09-08	09-26
MC40705	08-29	09-08	09-26
MC40709	08-29	09-08	09-26

## ATTACHMENT 4.2

## SEQUOYAH ELEMENT REPORTS

<u>Element Report</u>	<u>Expected ECTG Completion Date</u>	<u>NRC "INITIAL" Date</u>	<u>NRC Final Date</u>
<u>Quality Assurance</u>			
QA80105	Complete	08-30	09-18
QA80201	Complete	08-30	09-18
QA80205	Complete	08-30	09-18
QA80204	08-22	09-01	09-19
QA80302	08-22	09-01	09-19
QA80404	08-22	09-01	09-19
QA80101	08-29	09-08	09-26
QA80202	09-05	09-15	10-03
QA80203	09-05	09-15	10-03
QA80301	09-05	09-15	10-03
QA80502	09-05	09-15	10-03
QA80102	09-12	09-22	10-10
QA80303	09-12	09-22	10-10
QA80103	09-19	09-29	10-17
QA80503	09-19	09-29	10-17
QA80104	09-26	10-06	10-24
QA80401	09-26	10-06	10-24
QA80402	09-27	10-07	10-25
QA80501	09-26	10-06	10-24
QA80000	10-03	10-13	10-31
QA80504	10-03	10-13	10-31

Operations

OP30107	Complete	08-30	09-18
OP30112	Complete	08-30	09-18
OP30114	Complete	08-30	09-18
OP30206	Complete	08-30	09-18
OP30301	Complete	08-30	09-18
OP30305	Complete	08-30	09-18
OP30501	Complete	08-30	09-18
OP30708	Complete	08-30	09-18
OP30805	Complete	08-30	09-18
OP30905	Complete	08-30	09-18
OP31102	Complete	08-30	09-18
OP31201	Complete	08-30	09-18
OP31306	Complete	08-30	09-18
OP31307	Complete	08-30	09-18
OP30101	08-22	09-02	09-20
OP30108	08-20	08-30	09-18
OP30111	08-26	09-05	09-24
OP30202	08-20	08-30	09-18
OP30204	08-20	08-30	09-18
OP30302	08-20	08-30	09-18

## ATTACHMENT 4.2

## SEQUOYAH ELEMENT REPORTS

<u>Element Report</u>	<u>Expected ECTG Completion Date</u>	<u>NRC "INITIAL" Date</u>	<u>NRC Final Date</u>
<u>Operations (continued)</u>			
OP30403	08-25	09-04	09-23
OP30601	08-22	09-01	09-20
OP30702	08-20	08-30	09-18
OP30705	08-26	09-05	09-24
OP30707	08-20	08-30	09-18
OP30801	08-26	09-05	09-24
OP30807	08-22	09-01	09-20
OP31001	08-26	09-05	09-24
OP31002	08-22	09-01	09-20
OP31003	08-20	08-30	09-18
OP31101	08-20	08-30	09-18
OP31204	08-22	09-01	09-20
OP31211	08-25	09-04	09-23
OP31302	08-20	08-30	09-18
OP31303	08-20	08-30	09-18
OP30102	08-22	09-01	09-19
OP30105	08-22	09-01	09-19
OP30402	08-22	09-01	09-19
OP30704	08-22	09-01	09-19
OP30706	08-22	09-01	09-19
OP30713	08-22	09-01	09-19
OP30802	08-22	09-01	09-19
OP30803	08-22	09-01	09-19
OP30806	08-22	09-01	09-19
OP30901	08-22	09-01	09-19
OP30904	08-22	09-01	09-19
OP31103	08-22	09-01	09-19
OP31106	08-22	09-01	09-19
OP31309	08-22	09-01	09-19
OP30201	08-29	09-08	09-26
OP30401	08-29	09-08	09-26
OP30710	08-29	09-08	09-26
OP31105	08-29	09-08	09-26
OP30711	08-29	09-08	09-26
OP30804	09-05	09-15	10-03
OP31104	09-05	09-15	10-03
OP31304	09-12	09-22	10-10

## ATTACHMENT 4.2

## SEQUOYAH ELEMENT REPORTS

<u>Element Report</u>	<u>Expected ECTG Completion Date</u>	<u>NRC "INITIAL" Date</u>	<u>NRC Final Date</u>
<u>Welding</u>			
WP-01	Complete	08-30	09-18
WP-02	Complete	08-30	09-18
WP-03	Complete	08-30	09-18
WP-04	Complete	08-30	09-18
WP-07	Complete	08-30	09-18
WP-12	Complete	08-30	09-18
WP-13	Complete	08-30	09-18
WP-14	Complete	08-30	09-18
WP-16	Complete	08-30	09-18
WP-18	Complete	08-30	09-18
WP-19	Complete	08-30	09-18
WP-20	Complete	08-30	09-18
I-85-135-SQN	Complete	08-30	09-18
I-85-652-SQN	Complete	08-30	09-18
I-85-750-SQN	Complete	08-30	09-18
I-85-756-SQN	Complete	08-30	09-18
I-85-756-SQN	Complete	08-30	09-18
ERT-XX-101-006	Complete	08-30	09-18
ERT-XX-85-100-001	Complete	08-30	09-18
ERT-XX-85-013-001	Complete	08-30	09-18

Engineering

EN20101	10-05	10-15	11-03
EN20103	10-19	10-29	11-17
EN20104	11-09	11-19	12-08
EN20105	09-28	10-08	10-27
EN20106	11-09	11-19	12-08
EN20107	11-09	11-19	12-08
EN20109	11-09	11-19	12-08
EN20302	11-09	11-19	12-08
EN20303	11-09	11-19	12-08
EN20401	11-09	11-19	12-08
EN20402	10-19	10-29	11-17
EN20403	11-09	11-19	12-08
EN20404	10-19	10-29	11-17
EN20405	10-05	10-15	11-03
EN20406	11-02	11-12	12-01
EN20407	11-02	11-12	12-01
EN20408	11-09	11-19	12-08
EN20409	11-09	11-19	12-08
EN20410	11-09	11-19	12-08
EN20411	11-09	11-19	12-08
EN20501	10-05	10-15	11-03

## ATTACHMENT 4.2

## SEQUOYAH ELEMENT REPORTS

<u>Element Report</u>	<u>Expected ECTG Completion Date</u>	<u>NRC "INITIAL" Date</u>	<u>NRC Final Date</u>
<u>Engineering</u>			
EN20502	10-05	10-15	11-03
EN20503	11-09	11-19	12-08
EN20504	10-05	10-15	11-03
EN20601	10-05	10-15	11-03
EN20702	10-05	10-15	11-03
EN20703	11-09	11-19	12-08
EN20704	11-09	11-19	12-08
EN20705	10-05	10-15	11-03
EN20801	10-05	10-15	11-03
EN20901	09-28	10-08	10-27
EN20902	09-28	10-08	10-27
EN21001	10-05	10-15	11-03
EN21002	10-05	10-15	11-03
EN21003	10-05	10-15	11-03
EN21202	10-05	10-15	11-03
EN21301	10-05	10-15	11-03
EN21302	10-05	10-15	11-03
EN21303	09-28	10-08	10-27
EN21304	10-19	10-29	11-17
EN21501	10-05	10-15	11-03
EN21502	10-05	10-15	11-03
EN21506	10-05	10-15	11-03
EN21509	10-05	10-15	11-03
EN21510	10-05	10-15	11-03
EN21801	10-05	10-15	11-03
EN21803	09-28	10-08	10-27
EN21804	09-21	10-01	10-20
EN21807	09-21	10-01	10-20
EN22001	10-05	10-15	11-03
EN22003	10-05	10-15	11-03
EN22011	09-28	10-08	10-27
EN22012	09-28	10-08	10-27
EN22102	09-14	09-24	10-13
EN22106	09-28	10-08	10-27
EN22110	09-28	10-08	10-27
EN22201	09-28	10-08	10-27
EN22202	10-05	10-15	11-03
EN22203	09-28	10-08	10-27
EN22205	09-21	10-01	10-20
EN22206	09-28	10-08	10-27
EN22301	10-05	10-15	11-03
EN22302	10-05	10-15	11-03
EN22303	10-05	10-15	11-03
EN22405	10-05	10-15	11-03
EN22408	10-05	10-15	11-03

## ATTACHMENT 4.2

## SEQUOYAH ELEMENT REPORTS

<u>Element Report</u>	<u>Expected ECTG Completion Date</u>	<u>NRC "INITIAL" Date</u>	<u>NRC Final Date</u>
<u>Engineering</u>			
EN22500	10-05	10-15	11-03
EN22600	10-05	10-15	11-03
EN22800	10-05	10-15	11-03
EN22901	09-14	09-24	10-13
EN22902	10-05	10-15	11-03
EN22903	10-05	10-15	11-03
EN22905	09-14	09-24	10-13
EN22906	10-12	10-22	11-10
EN22908	10-19	10-29	11-17
EN22909	09-14	09-24	10-13
EN22910	10-26	11-05	11-24
EN22911	09-21	10-01	10-20
EN22912	10-19	10-29	11-17
EN23001	09-14	09-24	10-13
EN23005	10-05	10-15	11-03
EN23101	10-05	10-15	11-03
EN23104	10-05	10-15	11-03
EN23105	09-21	10-01	10-20
EN23202	11-02	11-12	12-01
EN23203	09-28	10-08	10-27
EN23206	10-05	10-15	11-03
EN23208	10-26	11-05	11-24
EN23210	11-16	11-26	12-15
EN23213	10-05	10-15	11-03
EN23214	11-09	11-19	12-08
EN23302	09-28	10-08	10-27
EN23501	11-23	12-03	12-22
EN23502	10-05	10-15	11-03
EN23504	11-30	12-10	12-29
EN23508	10-05	10-15	11-03
EN23701	09-28	10-08	10-27
EN23702	09-28	10-08	10-27
EN23704	10-05	10-15	11-03
EN23705	10-05	10-15	11-03
EN23706	10-05	10-15	11-03
EN23801	10-05	10-15	11-03
EN23803	10-05	10-15	11-03
EN23804	10-05	10-15	11-03
EN23806	10-05	10-15	11-03
EN23900	10-05	10-15	11-03
EN24000	10-05	10-15	11-03
EN24102	09-28	10-08	10-27
EN24104	09-28	10-08	10-27
EN24200	10-05	10-15	11-03
EN24300	09-28	10-08	10-27

ATTACHMENT 4.2  
SEQUOYAH ELEMENT REPORTS

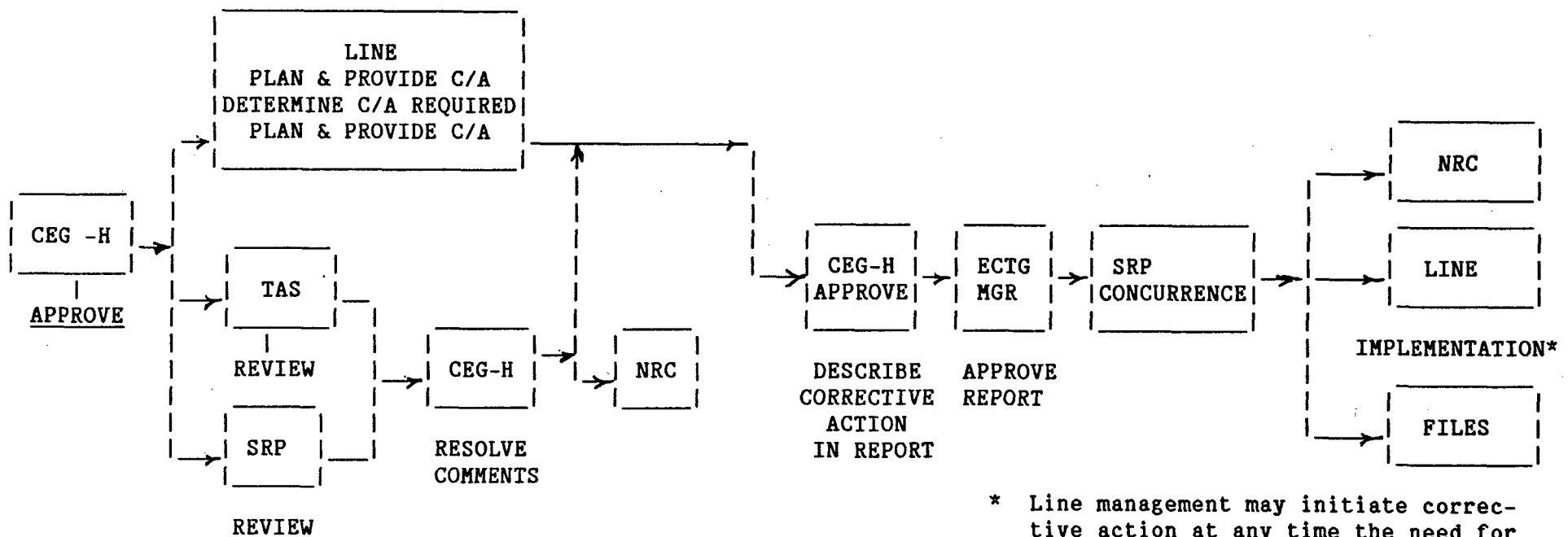
<u>Element Report</u>	<u>Expected ECTG Completion Date</u>	<u>NRC "INITIAL" Date</u>	<u>NRC Final Date</u>
<u>SWEC ISSUES</u>			
SWEC-SQN-01	09-15	09-25	10-14
SWEC-SQN-02	09-15	09-25	10-14
SWEC-SQN-03	09-15	09-25	10-14
SWEC-SQN-04	09-30	10-10	10-29
SWEC-SQN-05	09-01	09-11	09-30
SWEC-SQN-06	09-01	09-11	09-30
SWEC-SQN-07	09-01	09-11	09-30
SWEC-SQN-08	09-01	09-11	09-30
SWEC-SQN-09	09-01	09-11	09-30
SWEC-SQN-10	09-30	10-10	10-29
SWEC-SQN-11	09-30	10-10	10-29
SWEC-SQN-12	09-30	10-10	10-29
SWEC-SQN-13	09-01	09-11	09-30
SWEC-SQN-14	09-01	09-11	09-30
SWEC-SQN-15	09-30	10-10	10-29
SWEC-SQN-16	09-15	09-25	10-14
SWEC-SQN-17	09-15	09-25	10-14
SWEC-SQN-18	09-01	09-11	09-30
SWEC-SQN-19	09-30	10-10	10-29
SWEC-SQN-20	09-30	10-10	10-29
SWEC-SQN-21	09-01	09-11	09-30
SWEC-SQN-22	09-15	09-25	10-14
SWEC-SQN-23	09-30	10-10	10-29
SWEC-SQN-24	09-30	10-10	10-29
SWEC-SQN-25	09-30	10-10	10-29
SWEC-SQN-26	09-15	09-25	10-14
SWEC-SQN-27	09-15	09-25	10-14
SWEC-SQN-29	09-15	09-25	10-14
SWEC-SQN-30	09-30	10-10	10-29
SWEC-SQN-31	09-01	09-11	09-30
SWEC-SQN-32	09-15	09-25	10-14
SWEC-SQN-33	09-30	10-10	10-29
SWEC-SQN-34	09-30	10-10	10-29
SWEC-SQN-35	09-30	10-10	10-29
SWEC-SQN-36	09-15	09-25	10-14
SWEC-SQN-37	09-01	09-11	09-30
SWEC-SQN-38	09-01	09-11	09-30
SWEC-SQN-39	09-30	10-10	10-29
SWEC-SQN-40	09-15	09-25	10-14
SWEC-SQN-41	09-15	09-25	10-14
SWEC-SQN-42	09-30	10-10	10-29



ATTACHMENT 4.2  
SEQUOYAH ELEMENT REPORTS

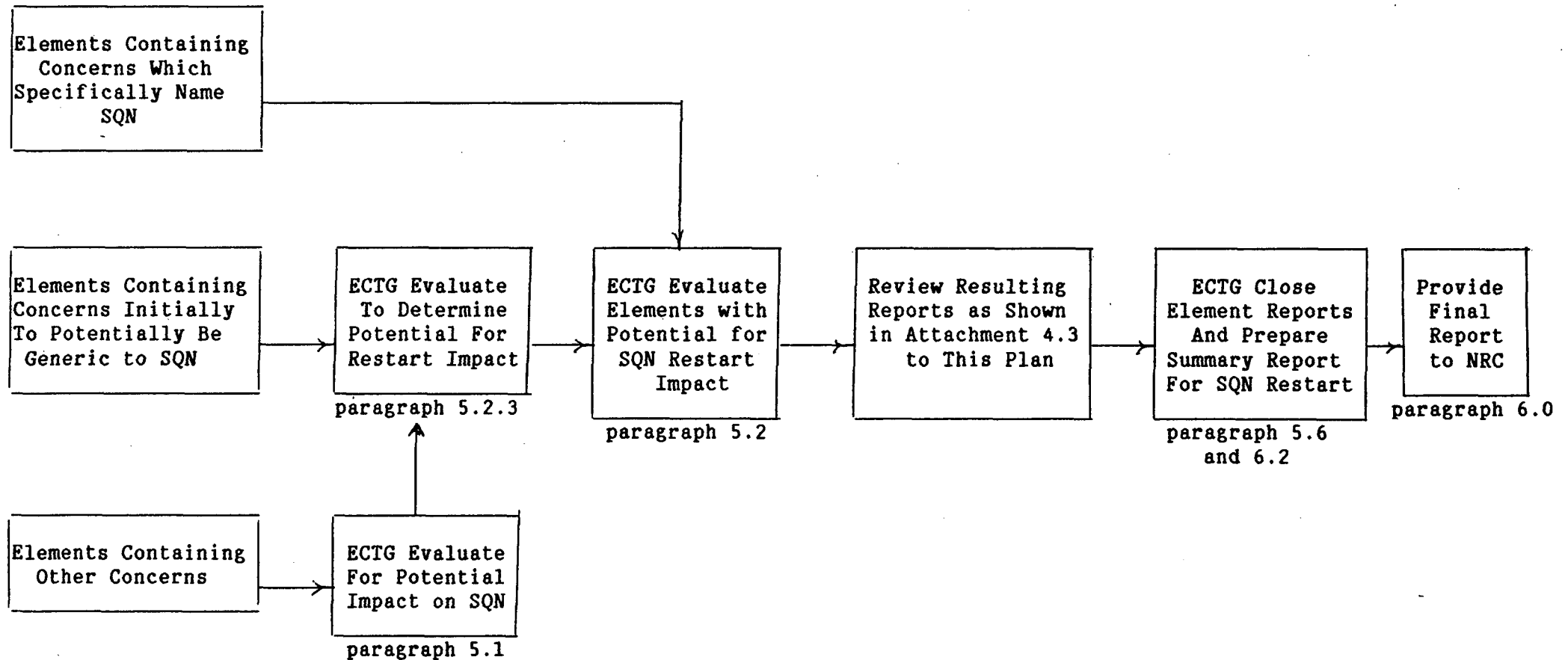
<u>Element Report</u>	<u>Expected ECTG Completion Date</u>	<u>NRC "INITIAL" Date</u>	<u>NRC Final Date</u>
<u>SWEC ISSUES</u>			
SWEC-SQN-43	09-30	10-10	10-29
SWEC-SQN-44	09-15	09-25	10-14
SWEC-SQN-45	09-15	09-25	10-14
SWEC-SQN-46	09-01	09-11	09-30
SWEC-SQN-47	09-30	10-10	10-29
SWEC-SQN-48	09-15	09-25	10-14
SWEC-SQN-49	09-15	09-25	10-14
SWEC-SQN-50	09-15	09-25	10-14
SWEC-SQN-51	09-15	09-25	10-14
SWEC-SQN-53	09-30	10-10	10-29
SWEC-SQN-54	09-30	10-10	10-29
SWEC-SQN-55	09-30	10-10	10-29
SWEC-SQN-56	09-30	10-10	10-29
SWEC-SQN-57	09-15	09-25	10-14
SWEC-SQN-58	09-15	09-25	10-14
SWEC-SQN-59	09-15	09-25	10-14
<u>NSRS ISSUES</u>			
ECT-NSRS-01	08-23	09-02	09-22

SEQUOYAH SPECIFIC ELEMENT REPORTS  
REPORT AND CORRECTIVE ACTION REVIEW PROCESS



\* Line management may initiate corrective action at any time the need for such action is identified. This corrective action will be subject to ECTG review for acceptability and concurrence.

SEQUOYAH SPECIFIC EVALUATIONS  
FLOW CHART



ENCLOSURE 5

# NSRS ISSUES - SQN

<u>ELEMENT NUMBER</u>	<u>ELEMENT DESCRIPTION</u>	<u>CONCERN NUMBERS</u>
NSRS	- Clear Identification of Purposes and Uses of All Controlled Documents at All Plants	R-84-19-WBN-01
One NSRS Report Will Include the 10 Open NSRS Issues for SQN	- Development of Criteria for Cable Tray Fill Level and QC Inspection	R-84-19-WBN-07
	- The Adequacy of the Dispositions for Identified Cable Br 1 Radius Problems	I-85-06-WBN-01
	- The Adequacy of the Program for Cable Pulling Activities	I-85-06-WBN-02
	- Underdevelopment of Established and Documented Limited QA Program and Failure to Incorporate the Established Limited QA Program Into NQAM	I-85-06-WBN-05
ECT-NSRS-01		
	- ALARA	R-86-01-SQN-01
	- Common Mode - Surveillance	R-85-03-NPS-08
	- Common Mode - SIL	R-85-03-NPS-07
	- Configuration Control	R-80-05-SQN-04B
	- Maintenance, Operating, and Test Instructions	R-85-02-SQN/WBN-02

ENCLOSURE 6

<u>ELEMENT NUMBER</u>	<u>ELEMENT/DESCRIPTION</u>	<u>CONCERNS NUMBER</u>
SWEC-SQN-01	NRC Inspection 328/84-18: Auxiliary Feedwater System; Main Feed Pump Circuitry; Inadvertent Start of Diesel Generators	A02840917005-001 A02840917005-002 A02840917005-003 A02840917005-004 A02840917005-005 A02840917005-006
SWEC-SQN-02	NRC Inspection 327, 328/84-02: Emergency/Abnormal Operating Instructions	A02840926004-001 A02840926004-002
SWEC-SQN-03	NRC Inspection 327, 328/84-20: AA Air System; RHR System; Component Cooling Pump	A02840928002-001 A02840928002-002 A02840928002-003 A02840928002-004
SWEC-SQN-04	NRC Training Assessment 259/84-24, 296/84024, 327/84-18-19: SRD re-qualification: Lesson Plan Review By UO's; UO Training; Maintenance/Modification Training; Centralized Coordination of Training	A02841002013-002 A02841002013-009 A02841002013-010 A02840112013-011 A02841002013-012
SWEC-SQN-05	NRC Inspection 327, 328/84-25: Operational Requirements RHR System; Inadequate Reportable Occurrence Review	A02841018005-001
SWEC-SQN-06	NRC Inspection 327, 328/84024: Delays In Corrective Action; Failure To Submit FSAR Changes; Inadequate Corrective Action for Piping Design Analysis	A02841023002-001
SWEC-SQN-07	NRC Inspection 327, 328/84-26; Weld Rejection; Radiographic Film	A02841102004-001

<u>ELEMENT NUMBER</u>	<u>ELEMENT/DESCRIPTION</u>	<u>CONCERNS NUMBER</u>
SWEC-SQN-08	NRC Followup Inspection 327/84-27-01: Embedded Conduit Cut	A0284110909-001
SWEC-SQN-09	NRC Inspection 327, 328/84-31: Fire Protection	A02841116010-001 A02841116010-002 A02841116010-003 A02841116010-004 A02841116010-005
SWEC-SQN-10	NRC Inspection Item 327/84-18-01, Examination Exemption For Instructors	A02841123006-001
SWEC-SQN-11	NRC Inspection Item 328/84-32-01, Methods for Variations From Procedures	A02841123007-001
SWEC-SQN-12	INPO Plant Performance Data, November 1984: TVA Comparison To Industry medians	A02841129011-002 A02841129011-005 A02841129011-010 A02841129011-011 A02841129011-012 A02841129011-013 A02841129011-014
SWEC-SQN-13	NRC Inspection Report Item 327, 328/84-28-01: Need To Reduce Plant Leak Rate	A0284113004-001
SWEC-SQN-14	NRC Inspection Report Item 327, 328/84-34-01: Respirator Filters	A0284113005-001
SWEC-SQN-15	SQN Radiological Emergency Plan	A0241206001-001 A0241206001-002 A02850506006-001 A02850506006-002
SWEC-SQN-16	NRC 327/328/84-29: Surveillance Instruction Inadequacy SI-258.2, SI-6	A02841214002-001



<u>ELEMENT NUMBER</u>	<u>ELEMENT/DESCRIPTION</u>	<u>CONCERNS NUMBER</u>
SWEC-SQN-17	NRC IFI 84-37-01: Failure To Identify Failed Test	A02841214003-001
SWEC-SQN-18	NRC Inspection 327, 328/84-33: Diesel Generator Batteries: Calibration of Megger	A02841217002-001 A02841217002-002
SWEC-SQN-19	NRC Inspection 327, 328/84-35: Valve Checklists; Fuel Handling Instruction	A02850103007-001 A02850103007-002
SWEC-SQN-20	NRC Inspection 328/84-36; Inadequate Implementation of Fuel Handling Procedure; Untimely Plant Access Procedure	A02850124027-001 A02850124027-002
SWEC-SQN-21	NRC Inspection 327, 328/84-38: Inadequate Post Modification Testing	A02850219013-001 A02850219013-002 A02850219013-003 A02850219013-004
SWEC-SQN-22	NRC Inspection 327, 328/85-05: Excessive Time For Test Evaluator	A02850226002-001
SWEC-SQN-23	NRC Inspection Item 328/85-06-01: NRC Notification Inadequate	A02850305005-001
SWEC-SQN-24	NRC Inspection 327/84-24: Thimble Tube - procedures, PORC review, control of special tools	A02850311001-001 A02850311001-002 A02850311001-003 A02850509002-001
SWEC-SQN-25	Safeguards Violations	A02850328004-001
SWEC-SQN-26	TVA Communications with NRC	A02850401002-001

ELEMENT NUMBERELEMENT/DESCRIPTIONCONCERNS NUMBER

SWEC-SQN-27

NRC Inspection 327, 328/85-01:  
Appendix R, Fire Protection  
ViolationsA02850320004-001  
A02850403009-002  
A02850403009-003  
A02850403009-004  
A02850403009-005  
A02850403009-006  
A02850403009-007  
A02850403009-008  
A02850403009-009  
A02850403009-001

SWEC-SQN-28

(Number Not Used)

SWEC-SQN-29

NRC Inspection 327, 328/85-05:  
M&TE Calibrations Inadequate

A02850415004-001

SWEC-SQN-30

NRC Inspection 327, 328/85-15:  
Procedural failures and inadequacies -  
chemistry, rad measurementA02850506013-001  
A02850506013-002  
A02850506013-003

SWEC-SQN-31

NRC Inspection 327, 328/85-10:  
Inadequate review and escalation  
of NCR

A02850606005-001

SWEC-SQN-32

NRC Inspection 327, 328/85-16:  
Inadequate procedure for rad  
monitor testing

A02850607002-001

SWEC-SQN-33

NRC Inspection 327, 328/85-18:  
Operability of containment  
spray pump

A02850620007-001

<u>ELEMENT NUMBER</u>	<u>ELEMENT/DESCRIPTION</u>	<u>CONCERNS NUMBER</u>
SWEC-SQN-34	NRC Inspection 327, 328/85-20: Repetitive badge/dosimeter violations, use of outdated scaling factors, labeling of rad material containers	A02850624003-001 A02850624003-002 A02850624003-003
SWEC-SQN-35	NRC Inspection 327, 328/85-21: Inadequate design records, inadequate review environmental question determinations	A02850722020-001 A02850722020-002
SWEC-SQN-36	NRC Inspection 327, 328/85-17: Procedures for diesel generator relays, modifications to battery racks, radiation protection control procedures, maintenance instructions	A02850802001-001 A02850802001-002 A02850802001-003 A02850802001-004 A02850802001-005 A02850802001-006
SWEC-SQN-37	NRC Inspection 327, 328/85-23: Inadequate storage of material, badging display, card key records, estimates of rad dose rates, blocking devices ice condenser, maintenance requests	A02850806014-001 A02850806014-002 A02850806014-003 A02850806014-004 A02850806014-005 A02850806014-006
SWEC-SQN-38	NRC Inspection 327/328 85-24: Maintenance management, flow rate tests, post maintenance criteria	A02850809036-001 A02850809036-002 A02850809036-003
SWEC-SQN-39	Federal Emergency Management Agency (FEMA) - dose assessments rad monitoring equipment	A02850819002-001 A02850819002-002
SWEC-SQN-40	INPO Maintenance Performance Data Survey 1985 - Unplanned scrams, overdue preventive maintenance items	A02850909021-003 A02850909021-006

<u>ELEMENT NUMBER</u>	<u>ELEMENT/DESCRIPTION</u>	<u>CONCERNS NUMBER</u>
SWEC-SQN-41	NRC Inspection 327, 328/85-26: Electrical equipment, radiological directions, security violations	A02850910002-001 A02850910002-002 A02850910002-003 A02850910002-004 A02850913005-001
SWEC-SQN-42	SQN Emergency Plan Modification June 1985	A02850930016-001
SWEC-SQN-43	INPO: Operational Performace AFS's in U.S. PWRs 1980-84 - SQN high failure rate	A02851007012-001 A02851007012-002 A02851007012-003 A02851007012-004 A02851007012-005
SWEC-SQN-44	NRC Inspection 327/85-27, 328/85-28: DG maintenance, liquid penetrant testing inadequate, tech spec LCD requirements, M&TE calibration	A02851101011-001 A02851101011-002 A02851101011-003
SWEC-SQN-45	NRC Inspection 327, 328/85-32: Surveillance test implementation; HP frisking procedures, other discrepancies	A02851101011-001 A02851101011-002 A02851101011-003
SWEC-SQN-46	NRC Inspection 327, 328/85-29: cable tray supports; baseplate holes, CVCS sampling line crack	A02851101011-001 A02851101011-002 A02851101011-003
SWEC-SQN-47	Equipment Qualification Testing	A002850412010-001 A02851118005-001
SWEC-SQN-48	INPO Operational Readiness Review 1985	A02851121003-001 A02851121003-002 A02851121003-003 A02851121003-004 A02851121003-005 A02851121003-006 A02851121003-007

SWEC-SQN-49	SQN Startup Readiness Plan - Incorporation of ECTG Effort	A02851125014-001 A02860107013-001
SWEC-SQN-50	NRC Inspecon Report 327/328/85-35: Instrument Maintenance Testing	A02851211001-001 A02851211001-002
SWEC-SQN-51	NRC Inspection - repeat violations personnel risking	A02851216011-001
SWEC-SQN-52	(Number Not Used)	
SWEC-SQN-53	NRC Inspection 327, 328/85-43: Recalibration, changes to surveillance instruction	A02860115005-001 A02860115005-002
SWEC-SQN-53	NRC Inspection 327, 3328/85-43: Failure to update operating instruction; containment instrumentation, operator training	A02860117006-001 A02860117006-002 A02860117006-003
SWEC-SQN-55	NRC SALP Reports 1984 and 1985 Licensee performance issues	A02840907003-002 A02840907003-003 A02840907003-004 A07850919005-008 A07850919005-014 A07850919005-015 A07850919005-016 A07850919005-017 A07850919005-020 A07850919005-037 A07850919005-038 A07850919005-039 A07850919005-056 A07850919005-057 A07850919005-058 A07850919005-059 A07850919005-058 A07850919005-068

ELEMENT NUMBERELEMENT/DESCRIPTIONCONCERNS NUMBER

A07850919005-069  
A07850919005-070  
A07850919005-071  
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A07850919005-076  
A07850919005-077  
A07850919005-080  
A07850919005-081  
A07850919005-082