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File # 10068

September 16, 1988

William G. Council
Executive Vice President

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D C. 20555

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)
DOCKET NOS. 50-445 AND 50-446
CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

Gentlemen:

Attached is the current version of the CPRT Findings and Related Project Commitments data base. This data base is used to coordinate CPRT documents, findings, actions and related closure/tracking documents. Due to the dynamic nature of this data base, it is subject to change and the attached data should be used for information only. Up-to-date information can be obtained upon request from the Director of CPRT.

If you desire any additional information please contact me.

Very truly yours,

W. G. Council

By: John W. Beck
John W. Beck
Vice President,
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JCH/mlh
Attachment

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ISAP CER
 "Collective Evaluation Report"

Finding No: CER-01 Description: THE EFFECTIVENESS OF INSPECTION OF WELDS THROUGH PROTECTIVE COATINGS WAS NOT ADEQUATELY DETERMINED Class: COLLECTIVE EVALUATION Recom'd'n Letter: M/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
CER-006 2	COLLECTIVE EVALUATION REPORT, REV.0, PART III, PG 91 CAR 88-009, REV.0	RELIABILITY OF REINSPECTION RESULTS FOR CERTAIN WELD QUALITY-RELATED CHARACTERISTICS OBTAINED THROUGH PROTECTIVE COATINGS	CONDUCT A STUDY OF WELDING PERFORMED UNDER BOTH AWS AND ASME CODES ON A REPRESENTATIVE SAMPLE FROM THE CMCS THAT CONTAIN THESE TYPES OF WELDS TO DETERMINE WHICH QUALITY-RELATED WELD CHARACTERISTICS CAN BE RELIABLY REINSPECTED TO APPROPRIATE ACCEPTANCE CRITERIA THROUGH PROTECTIVE COATINGS. ALSO, EXAMINE THE OVERALL QUALITY OF WELDING ON THESE ITEMS TO DETERMINE WHETHER THOSE CHARACTERISTICS THAT CAN'T BE RELIABLY EVALUATED THROUGH COATINGS ARE GENERALLY ACCEPTABLE.	CAR 88-009, REV.0	CONCURRED CPRT-1137, 11/17/88

ISAP CER
 "Collective Evaluation Report"

Finding No: CER-03 Description: BASED ON CPT FINDINGS, SUPERVISION OF CRAFT PERSONNEL AT TIMES MAY NOT HAVE BEEN ADEQUATE Class: COLLECTIVE EVALUATION Recom'd'n Letter: M/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPT Concurrency	Remarks
CER-002	1	COLLECTIVE EVALUATION REPORT, REV.0, PART III PG 109 CAR 88-012, REV.0	ESTABLISH A COMPREHENSIVE PROGRAM TO ENSURE CRAFT SUPERVISORY AWARENESS OF ITS RESPONSIBILITIES.	ENSURE THAT A COMPREHENSIVE PROGRAM HAS BEEN ESTABLISHED AND IMPLEMENTED FOR CPSES (INCLUDING TU ELECTRIC AND MAJOR CONTRACTORS) FOR ENSURING CRAFT SUPERVISORY AWARENESS OF ITS RESPONSIBILITY FOR THE ASSURANCE OF CONSTRUCTION QUALITY AND OF THE ACTIONS IT IS EXPECTED TO TAKE IN CARRYING OUT THIS RESPONSIBILITY. RETRAIN SUPERVISORY PERSONNEL, AS NECESSARY, IN THE PERFORMANCE OF THEIR ASSIGNED TASKS.	CAR 88-012, REV.0	CONCURRED	CPT-1129, 03/05/88

ISAP CEP
 "Collective Evaluation Report"

Finding No: CER-04 Descriptions: THE CPRT FINDINGS INDICATE THAT ALL ATTRIBUTES MAY NOT HAVE BEEN ADDRESSED OR COVERED BY AN ADEQUATE ACCEPTANCE CRITERIA AT TIMES IN THE PAST IN QC PROCEDURES Class: COLLECTIVE EVALUATION Recom'd'n Letter: M/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
CER-003 1 COLLECTIVE EVALUATION REPORT, REV.0, PART III PG 115, PART IV PG 85, PART I PG 11 AND 17 CAR 88-010, REV.0 (INTERIM)	REVIEW OF HISTORICAL INSPECTION PROCEDURES.	REVIEW HISTORICAL INSPECTION PROCEDURES TO IDENTIFY TIME PERIODS WHEN SAFETY-SIGNIFICANT ATTRIBUTES WERE NOT SUBJECT TO AN ADEQUATE INSPECTION. FOR THOSE IDENTIFIED ATTRIBUTES NOT BEING REINSPECTED IN PCRVF, PERFORM AN ENGINEERING EVALUATION INCLUDING CONSIDERATION OF AVAILABLE INSPECTION DATA TO BOUND THE POTENTIAL SAFETY CONSEQUENCES OF DEVIATIONS THAT MAY EXIST OVER THE ESTIMATED RANGE OF AS-BUILT CONDITIONS. WHERE BOUNDS CANNOT BE ESTABLISHED, SEEK FURTHER DATA.	CAR 88-010, REV.0 (INTERIM)	PRELIMINARY	0A/QC-RT-1129, 05/04/88

ISAP CER
 "Collective Evaluation Report"

Finding No: CER-95 Description: DAMAGE TO EQUIPMENT THAT HAD BEEN PREVIOUSLY INSTALLED Class: COLLECTIVE EVALUATION Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Description	Action Steps - Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
CER-004	1	COLLECTIVE EVALUATION REPORT, REV.0, PART 111 PG 116 CAR 87-038, REV.0	POTENTIALLY DAMAGED SAFETY-RELATED HARDWARE.	ENSURE THAT THE SCOPE OF THE PROJECT EVALUATION FOR AREA CLOSOUT AND HOUSEKEEPING INSPECTIONS IS SUFFICIENTLY BROAD TO INCLUDE ALL POTENTIALLY DAMAGED SAFETY-RELATED HARDWARE IN THE PLANT. AS ALL FOUR FINDINGS IN THIS AREA ARE FROM THE ELECTRICAL DISCIPLINE, PARTICULAR EMPHASIS SHOULD BE PLACED ON HARDWARE IN THAT DISCIPLINE.	CAR 87-038, REV.0	CONCURRED	CPRT-113,

ISAP CER
 Collective Evaluation Report*

Finding No: 88-06
 Description: THERE MAY BE INSTANCES WHERE THE PROCEDURES FROM DIFFERENT ORGANIZATIONS DO NOT REQUIRE QC INSPECTION AFTER MODIFICATION OR ADJUSTMENT
 Class: COLLECTIVE EVALUATION
 Recommendation Letter: M/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
CER-005	1	COLLECTIVE EVALUATION REPORT, REV.0 PART 111 PG 117, PART 1 PG 12 CAR 88-010, REV.0 (INTERIM)	PROCEDURE REVIEW	PERFORM A REVIEW OF PROCEDURES THAT PERMIT CHANGES, ADJUSTMENTS OR MAINTENANCE OF PLANT SAFETY-RELATED COMPONENTS OR ESTABLISH THE CORRESPONDING INSPECTION REQUIREMENTS, AND VERIFY ADEQUATE PROVISION IS MADE FOR DEFINING INSPECTION REQUIREMENTS IN EACH INSTANCE (WITH AN APPROPRIATE INTER-ORGANIZATIONAL REVIEW) AND THAT NONE OF THE PROCEDURES WOULD ALLOW MODIFICATIONS OR ADJUSTMENTS TO OCCUR WITHOUT ASSURANCE THAT THE AFFECTED COMPONENTS WOULD BE REINSTALLED IN ACCORDANCE WITH DESIGN.	CAR 88-010, REV.0 (INTERIM)	PRELIMINARY	QA/QC-RT-1129, 05/04/88

ISAP II.c
 Maintenance of Air Gap Between Concrete Structures
 Finding No: C-11.c-01 Description: DEBRIS IN SEISMIC GAP Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
11.c-001	1	ISAP II.c RESULTS REPORT, REV.1, PG.8	CALCULATION REVISIONS FOR FINAL AS-BUILT CONDITIONS OF SEISMIC GAPS, AS NECESSARY.	AFTER RECEIPT OF GC DOCUMENTATION VERIFYING REMOVAL AND THE FINAL AS-BUILT CONDITION, ENGINEERING CALCULATIONS PERFORMED AS PART OF THIS ACTION PLAN WILL BE REVISED, AS NECESSARY, TO REFLECT FINAL AS-BUILT CONDITIONS.	N/A	ISSUED	
11.c-002	1	ISAP II.c RESULTS REPORT, REV.1, PG.15	MAINTENANCE OF AIR GAPS BETWEEN STRUCTURES.	UPON TRANSFER OF RESPONSIBILITY TO OPERATIONS ORGANIZATION, SEISMIC GAPS DEFINED IN THIS ISAP WILL BE CONTROLLED BY AN OPERATIONS PROCEDURE.	Q1-OP-11.0-3	ISSUED	THE SEISMIC GAPS WILL BE GROUPED WITH OTHER "CRITICAL SPACE" ITEMS IDENTIFIED AS PART OF VI.B ACTION PLAN TASK RELATED TO DEBRIS IN CRITICAL SPACES AND ADDRESSED THROUGH ONE, OR A COMBINE SET OF, OPS PROCEDURES
11.c-003	1	ISAP II.c RESULTS REPORT, REV.1, PG.18	REMOVAL OF FOREIGN MATERIAL FROM SEISMIC GAPS.	FOREIGN MATERIAL WILL BE REMOVED FROM GAPS. FOR AREAS WHERE REMOVAL IS NOT POSSIBLE OR PRACTICAL, TECHNICAL JUSTIFICATION AND/OR ANALYSIS WILL BE PERFORMED TO DEMONSTRATE THAT SEISMIC SEPARATION IS NOT COMPROMISED.	N/A	ISSUED	

ISAP 11.c
 Maintenance of Air Gap Between Concrete Structures
 Finding No: C-11.c-02 Description: LESS-THAN-DESIGN GAP WIDTH Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
11.c-005	1 ISAP 11.c RESULTS REPORT, REV.1, PG.18-19	AS-BUILT SEISMIC GAP INSPECTIONS NEAR INSTALLED SEALS.	N/A	ISSUED	
11.c-006	1 ISAP 11.c RESULTS REPORT, REV.1, PG.26	ADEQUACY OF SEAL DESIGN IN SEISMIC GAP.	N/A	ISSUED	
11.c-007	1 ISAP 11.c RESULTS REPORT, REV.1, PG.11,12,27	JUSTIFICATION FOR LEAVING DESIGNED ITEMS IN THE SEISMIC GAPS.	N/A	ISSUED	
11.c-010	1 ISAP 11.c RESULTS REPORT, REV.1, PG.37	CORRECTION OF IDENTIFIED SEISMIC GAPS	N/A	ISSUED	
11.c-013	1 ISAP 11.c RESULTS REPORT, REV.1, PG.40	SMC APPROVAL OF FSAR CHANGE REQUESTS.	FSAR CHANGE REQUEST DRCP-000	ISSUED	SEE STIR CPRT-S-10

ISAP 11-c

"Maintenance of Air Gap Between Concrete Structures"

Finding No: C-11-c-03 Description: TECHNICALLY INCORRECT DISPOSITION OF MCR C-83-1067 Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Conference	Remarks
11-c-036	1 ISAP 11-c RESULTS REPORT, REV.1, PG.24-25	MCR C-83-01067 WAS WRITTEN TO IDENTIFY 2 UNSATISFACTORY SITUATIONS RECORDED ON INSPECTION REPORTS.	FIRST UNSATISFACTORY CONDITION CONCERNS PRESENCE OF DEBRIS IN A FEW AREAS BETWEEN BUILDINGS. SECOND CONCERNS MEASURED GAP WIDTH LESS THAN DESIGN REQUIREMENTS. MCR HAS SINCE BEEN REOPENED TO ADDRESS IRT CONCERNS.	MCR C-83-01067	ISSUED
11-c-041	1 ISAP 11-c, RESULTS REPORT, PG.35, REV.1	INVESTIGATION OF THE TECHNICAL ADEQUACY OF MCR DISPOSITIONS.	A MORE COMPREHENSIVE INVESTIGATION OF THE TECHNICAL ADEQUACY OF MCR DISPOSITIONS IS BEING PERFORMED BY THE PROJECT.	N/A	ISSUED

ISAP 11.d
 Seismic Design of Control Room Ceiling Elements

Finding No: C-11.d-01 Description: CONTROL ROOM DESIGN INADEQUACIES (15 DIRs: D-1841, D-1842, D-1844, D-1845, D-2132, D-2183, E-0266, E-0267, E-0887, E-0988, E-1045, E-1210, E-1218, AND E-1221) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: M/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
11.d-004	1	ISAP 11.d RESULTS REPORT, REV.1, SECTION 5.6.2, PG.36	ARCHITECTURAL FEATURES PROCESS VALIDATION	IMPLEMENTATION OF NEW STRUCTURAL INTEGRITY TEST PROCEDURES (ECE-2.24 AND EME-2.24-01) SHOULD INCLUDE VALIDATION OF ARCHITECTURAL FEATURES PROCESS CURRENTLY BASED ON CP-EI-4.0-63 AND TNE-0C-26.	M/A	ISSUED	
11.d-005	1	ISAP 11.d RESULTS REPORT, REV.1, SECTION 5.6.2, PG.36	ESTABLISHMENT OF ACTIVITIES TO CONTROL INTERFACE	RESPONSIBILITIES OF SYSTEMS INTERACTION AND CIVIL/STRUCTURAL GROUPS SHOULD BE CLEARLY ESTABLISHED FOR THIS EFFORT, INCLUDING CONTROL/DOCUMENTATION OF ALL INTERFACE ACTIVITIES BETWEEN THESE GROUPS.	M/A	ISSUED	
11.d-006	1	ISAP 11.d RESULTS REPORT, REV.1, SECTION 5.6.3, PG.36-37	CLOSEOUT OF STIR-CPRT-S-007 AND -011	DESIGN CRITERIA USED FOR CLOSEOUT OF STIR-CPRT-S-007 AND -011 SHOULD BE CLEARLY IDENTIFIED/REFERENCED IN EACH CALCULATION. WHERE CRITERIA MIGHT BE LESS CONSERVATIVE THAN SEISMIC CATEGORY 1 REQUIREMENTS, JUSTIFICATION FOR USE OF CRITERIA SHOULD ALSO BE INCLUDED.	STIR-CPRT-S-007 STIR-CPRT-S-011	ISSUED	
11.d-007	1	ISAP 11.d RESULTS REPORT, REV.1, SECTION 5.6.4, PG.37	COMMODITY CLEARANCE PROGRAM	SEVERAL CONCERNS* IDENTIFIED REGARDING IMPLEMENTING DOCUMENTS THAT SUPPORT COMMODITY CLEARANCE PROGRAM SHOULD BE ADDRESSED AS APPROPRIATE DURING IMPLEMENTATION OF ASSOCIATED DOCUMENTS.	STIR-CPRT-S-018	ISSUED	
11.d-008	1	ISAP 11.d RESULTS REPORT, REV.1,	STIR-CPRT-S-018	* - THESE ARE PRESENTED IN APPENDIX 2.20 OF ENGINEERING EVALUATION (REF. 9.25 OF ISAP 11.d).	STIR-CPRT-S-018	ISSUED	ADDRESS CPRT CONCERNS EXPRESSED IN APPENDIX 2.20 OF DAP ENGINEERING EVALUATION 11.d.4b.2

ISAP 11..d
 "Seismic Design of Control Room Ceiling Elements"

Finding No: C-11..d-01 Descriptions: CONTROL ROOM DESIGN INADEQUACIES (15 DIRs: D-1841, D-1842, D-1844, D-1845, D-2132, D-2183, E-0266, E-0267, E-0087, E-0088, E-1045, E-1210, E-1210, AND E-1221) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: M/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
11..d-009	ISAP 11..d RESULTS REPORT, REV.1, SECTIONS 5.6.5 AND 5.6.6, PG.37	STIR-CPRT-S-008 (FOR FRAME-SUPPORTED LIGHT FIXTURES) AND STIR-CPRT-S-009 (SECONDARY WALLS)	CALCULATIONS SHOULD IDENTIFY SPECIFIC CRITERIA USED. WHERE CRITERIA USED ARE NOT THE SAME AS FSAR CRITERIA FOR SIMILAR COMMODITIES, JUSTIFICATION FOR ANY DIFFERENCES SHOULD BE IDENTIFIED/DOCUMENTED.	STIR-CPRT-S-009 STIR-CPRT-S-008	ISSUED
11..d-010	ISAP 11..d RESULTS REPORT, REV.1, SECTION 5.6.7, PG.38	IMPLEMENTATION OF SIG FOR LINE-MOUNTED ITEMS ON SMALL-BORE PIPING	IMPLEMENTATION OF NEW SYSTEMS INTERACTION GROUP PROCEDURES (REFERENCES 9.12-9.15) IS ONGOING. REFERENCES: 9.12 - ECE-2.24, REV. 0; 9.13 - DED-NE-005, REV. 0; 5.14 - CPE-EB-FVM-SI-40, REV. 0; 9.15 - ERE-2.24-01, REV. 0	M/A	ISSUED
11..d-011	ISAP 11..d RESULTS REPORT, REV.1, SECTION 5.6.8, PG.38	HORIZONTAL MOTION OF PIPING AND CONDUIT	PROGRAM DOCUMENTS SHOULD SPECIFICALLY IDENTIFY SMALL-BORE NON-SEISMIC PIPING AS PART OF PROGRAM. BASES FOR TABULATED MOTIONS FOR ALL TYPES OF PIPING AND CONDUIT SHOULD BE JUSTIFIED AND DOCUMENTED.	STIR-CPRT-S-008	ISSUED
11..d-012	ISAP 11..d RESULTS REPORT, REV.1, SECTIONS 5.6.9, 5.6.9, AND 5.6.10, PG.36, 38	STIR-CPRT-008	IMPLEMENT STIR-CPRT-008 FOR THE FOLLOWING: COMMODITIES ON/ABOVE CONTROL ROOM CEILING, FRAME-SUPPORTED LIGHTING FIXTURES, HORIZONTAL MOTIONS OF PIPING AND CONDUIT, CLASS 5 LARGE BORE PIPING SUPPORTED BASED ON MONOGRAM, TRAIN C JUNCTION BOXES, PROJECT PROCEDURE CPM-30 IMPLEMENTS SECTION 5.6.9.	M/A	ISSUED

ISAP 11.d
 "Seismic Design of Control Room Ceiling Elements"

Finding No: C-11-d-01 Description: CONTROL ROOM DESIGN INADEQUACIES (15 DIRs: D-1841, D-1842, D-1844, D-1845, D-2132, D-2183, E-0266, E-0267, E-0887, E-0988, E-1345, E-1210, E-1218, AND E-1221)
 Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
11-d-014	1	ISAP 11.c RESULTS REPORT, REV 1 PG 39	SYSTEMS INTERACTION PROGRAM PROCEDURES	IMPLEMENTATION OF PROCEDURES FOR ALL ASPECTS OF SEISMIC INTERACTION EVALUATION IS CONSIDERED PART OF PROJECT CORRECTIVE ACTIONS FOR ISAP 11.d.	N/A	ISSUED	
11-d-015	1	ISAP 11.d, RESULTS REPORT, REV. 1 PG 24	IDENTIFICATION OF ARCHITECTURAL FEATURES	PROJECT SHALL INCLUDE ALL COMMITMENTS IN THE IDENTIFICATION PROCESS FOR THE DSP EVALUATION.	CP-EI-4.0-63, TIME-DC-26	ISSUED	
11-d-017	1	ISAP 11.d, RESULTS REPORT, REV. 1 PG 39	ARCHITECTURAL FEATURES- CONTROL ROOM CEILING	SYSTEM INTERACTION PROGRAM PROCEDURES AND STIR COMMITMENTS PROVIDE ASSURANCE THAT CPRT CONCERNS HAVE BEEN OR WILL BE ADEQUATELY ADDRESSED.	DIR's C0327 THRU C0331 N/A	ISSUED	

FOR INFORMATION ONLY - DATA SUBJECT TO UPDATE WITHOUT NOTICE
 CPRT FINDINGS AND RECOMMENDED PROJECT COMMITMENTS

ISAP VII.b.4
 Multi Anchor Bolt Installation*

Finding No: C-VII.b.4-01 Description: SPACING VIOLATIONS Class: UNCLASSIFIED TREND Recom'd'n Letter: S-16

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.b.4-001 1 ISAP VII.b.4 RESULTS REPORT, REV.1, SECTION 5.8 CAR 87-051 REV.0, SMTU 2908	SPACING VIOLATIONS OF MILTI BOLTS TO OTHER EMBEDDED ITEMS	TU ELECTRIC SHOULD VERIFY THAT SITE TRAINING FOR CRAFT INSTALLING MILTI BOLTS PROVIDES EMPHASIS FOR MINIMUM SPACING CRITERIA.	CAR-006 REV.1 CAR 87-051, REV.0, CPRT RECD'N NO.5-16	CONCURRED	QA/QC-RT-8579, 8/17/87
VII.b.4-006 1 ISAP VII.b.4 RESULTS REPORT, REV.1, SECTION 5.8 CAR 87-051, REV.0	MILTI BOLT SPACING VIOLATIONS	2525-55-30 AND ALL RELATED PROCEDURES SHOULD BE REVISED TO CLEARLY STATE SPACING REQUIREMENTS WITH RESPECT TO PENETRATIONS AND CHAMFERED CORNERS OF CONCRETE.	CAR-006, REV.1 CAR 87-051, REV.0	CONCURRED	QA/QC-RT-8579, 8/17/87
VII.b.4-008 1 ISAP VII.b.4 RESULTS REPORT, REV.1, SECTION 5.8 CAR 87-051 REV.0 CAR-006 REV.1	MILTI BOLT SPACING VIOLATIONS	AN INTERFACE TRACKING SYSTEM FOR EESVs SHOULD BE ESTABLISHED THAT ENCOMPASSES ALL APPLICATIONS THAT INCLUDE INSTALLED MILTI BOLTS.	CAR 87-051, REV.0 CAR-006, REV.1	CONCURRED	NOTE: SYSTEM WAS INTEGRATED IN PROCEDURE ECE 3.06-15 AND PP-060 AS WELL AS FVM-CS-075, QA/QC-RT-8579, 8/17/87
VII.b.4-011 1 ISAP VII.b.4 RESULTS REPORT, REV.1, SECTION 5.8 CAR 87-051 REV.0, SMTU 2908	MILTI BOLT SPACING VIOLATIONS.	TU ELECTRIC SHOULD VERIFY THAT SITE TRAINING PROCEDURES FOR QC INSPECTION ARE ADEQUATE.	CAR-006 REV.1 CAR 87-051 REV.0	CONCURRED	QA/QC-RT-8579, 8/17/87
VII.b.4-012 1 ISAP VII.b.4 RESULTS REPORT, REV.1, SECTION 5.8 CAR 87-051, REV.0	MILTI BOLT SPACING VIOLATIONS	A FIELD VALIDATION SHALL BE PERFORMED IN ACCORDANCE WITH EC 9.04 (PCHPV).	CAR-006	CONCURRED	QA/QC-RT-8579, 8/17/87

ISAP VII.b.4
 "Hilti Anchor Bolt Installation"

Finding No: C-VII.b.4-02 Description: NOTTOWED-OUT NUT AND UNACCEPTABLE BOLT TORQUES ON ROTATING EQUIPMENT Class: UNCLASSIFIED TREND Recom'd'n Letter: S-17

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.b.4-002	1	ISAP VII.b.4 RESULTS REPORT, REV.1, SECTION 5.8 CAR 87-052, REV.0	REVIEW USE OF HILTI BOLTS ON ROTATING EQUIPMENT INSTALLATIONS.	SMC WILL EVALUATE THE EXISTING ANCHORAGES AND EITHER DEEM THEM ACCEPTABLE OR REPLACE THEM.	CAR-087-052, REV.0 CPRT RECOM'N NO.S-17	CONCURRED	0A/0C-RT-9638, 11/10/87
VII.b.4-004	1	ISAP VII.b.4 RESULTS REPORT, REV.1, SECTION 5.8 CAR 87-052, REV.0	VERIFICATION OF HILTI BOLT TORQUE SHOULD BE EVALUATED.	REVISE SPEC 2323-SS-30 TO INCLUDE HILTI BOLT TORQUE VERIFICATION.	CAR 87-052, REV.0 CPRT RECOM'N NO.S 19	CONCURRED	0A/0C-RT-9638, 11/10/87
VII.b.4-013	1	ISAP VII.b.4 RESULTS REPORT, REV.1, SECTION 5.8 CAR 87-052, REV.0	REVIEW USE OF HILTI BOLTS ON ROTATING EQUIPMENT INSTALLATIONS.	DRD-CS-15 WILL BE REVISED TO PROVIDE THE ENGINEERING CRITERIA NECESSARY FOR EVALUATION.	CAR 87-052, REV.0 VII.b.4-002	CONCURRED	0A/0C-RT-9638, 11/10/87

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 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

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ISAP VII.b.4
 Hilti Anchor Bolt Installation

Finding No: C-VII.b.4-03 Description: BOTTOMED-OUT NUT Class: UNCLASSIFIED TREND Recom'd'n Letter: S-19

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.b.4-003 1 ISAP VII.b.4 RESULTS REPORT, REV.1, SECTION 5.8, PG.33 CAR 87-052, REV.0	LACK OF DOCUMENTATION FOR INACCESSIBLE HILTI BOLTS	PROJECT TO EVALUATE HILTI BOLT INSTALLATIONS TO DETERMINE IF THE GROUT WOULD COMPENSATE FOR ANY DEVIATION THAT MIGHT EXIST.	CAR 87-052, REV.0	CONCURRED	0A/0C-RT-9638, 11/10/87
VII.b.4-006 1 ISAP VII.b.4 RESULTS REPORT, REV.1, SECTION 5.8 CAR 87-052, REV.0	VERIFICATION OF HILTI BOLT TORQUE SHOULD BE EVALUATED.	REVISE SPEC 2323-SS-30 TO INCLUDE HILTI BOLT TORQUE VERIFICATION.	CAR 87-052, REV.0 CPRT RECOM'N NO.5-19	CONCURRED	0A/0C-RT-9638, 11/10/87
VII.b.4-015 1 ISAP VII.b.4 RESULTS REPORT, REV.1, PG. 33 CAR 87-052, REV.0	EVALUATE PROPER LEVEL OF INSPECTION	FOR INSTALLATIONS OTHER THAN ROTATING EQUIPMENT: EVALUATE TO DETERMINE WHAT LEVEL OF INSPECTION SHOULD BE USED TO ENSURE THAT BOLTS HAVE BEEN PROPERLY SET TO PROVIDE THEIR REQUIRED SUPPORT CAPACITY.	CAR 87-052, REV.0	CONCURRED	0A/0C-RT-9638, 11/10/87
VII.b.4-016 1 ISAP VII.b.4 RESULTS REPORT, REV.1, PG. 33 CAR 87-052, REV.0	EVALUATION TO DETERMINE REQUIRED NUMBER OF BOLTS	FOR INSTALLATIONS OTHER THAN ROTATING EQUIPMENT: ENGINEERING TO EVALUATE SUPPORT TYPES AND CONFIGURATIONS TO DETERMINE REQUIRED NUMBER OF BOLTS TO BE VERIFIED ON AN ITEM.	CAR 87-052, REV.0	CONCURRED	0A/0C-RT-9638, 11/10/87

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 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.b.4
 "Hilti Anchor Bolt Installation"

Finding No: C-VII.b.4-04 Description: UNACCEPTABLE BOLT TORQUE (INCLUDING CASES OF MISSING OR INCLUSIVE DOCUMENTATION) Class: UNCLASSIFIED TREQ# Recom'd'n Letter: S-18,S-19

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/ Commitments	Status of CPRT Concurrence	Remarks
VII.b.4-003 1 ISAP VII.b.4 RESULTS REPORT, REV.1, SECTION 5.8, PG. 33 CAR 87-052, REV.0	LACK OF DOCUMENTATION FOR INACCESSIBLE HILTI BOLTS	PROJECT TO EVALUATE HILTI BOLT INSTALLATIONS TO DETERMINE IF THE GROUT WOULD COMPENSATE FOR ANY DEVIATION THAT MIGHT EXIST.	CAR 87-052, REV.0	CONCURRED	QA/QC-RT-9638, 11/10/87
VII.b.4-004 1 ISAP VII.b.4 RESULTS REPORT, REV.1, SECTION 5.8 CAR 87-052, REV.0	VERIFICATION OF HILTI BOLT TORQUE SHOULD BE EVALUATED.	REVISE SPEC 2323-SS-30 TO INCLUDE HILTI BOLT TORQUE VERIFICATION.	CAR 87-052, REV.0 CPRT RECOM'M NO.S-19	CONCURRED	QA/QC-RT-9638, 11/10/87
VII.b.4-015 1 ISAP VII.b.4 RESULTS REPORT, REV.1, PG. 33 CAR 87-052, REV.0	EVALUATE PROPER LEVEL OF INSPECTION	FOR INSTALLATIONS OTHER THAN ROTATING EQUIPMENT: EVALUATE TO DETERMINE WHAT LEVEL OF INSPECTION SHOULD BE USED TO ENSURE THAT BOLTS HAVE BEEN PROPERLY SET TO PROVIDE THEIR REQUIRED SUPPORT CAPACITY.	CAR 87-052, REV.0	CONCURRED	QA/QC-RT-9638 11/10/87
VII.b.4-016 1 ISAP VII.b.4 RESULTS REPORT, REV.1, PG. 33 CAR 87-052, REV.0	EVALUATION TO DETERMINE REQUIRED NUMBER OF BOLTS	FOR INSTALLATIONS OTHER THAN ROTATING EQUIPMENT: ENGINEERING TO EVALUATE SUPPORT TYPES AND CONFIGURATIONS TO DETERMINE REQUIRED NUMBER OF BOLTS TO BE VERIFIED ON AN ITEM.	CAR 87-052, REV.0	CONCURRED	QA/QC-RT-9638 11/10/87

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-CONC
"Concrete Placement"

Finding No: C-CONC-01

Description: UNSOUND MORTAR

Class: UNCLASSIFIED TRENDS

Recom'd'n Letter: C-4

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-CONC-004	1	ISAP VII.c RESULTS REPORT, APPENDIX 1B, REV.1, PG.27 CAR 87-010, REV.1	UN SOUND MORTAR	FURTHER INVESTIGATION OF LOOSE OR UNSOUND MORTAR, IF REQUIRED, SHALL BE PERFORMED IN ACCORDANCE WITH EC-9.04, "POST CONSTRUCTION HARDWARE VALIDATION PROGRAM (PCHVP)."	CAR 87-010 REV.1 VII.c-CONC-008	CONCURRED	QA/QC-RT-9384 10/23/87 ... (10/23/87) DONE ONLY IF UNSOUND MORTAR IS DETECTED FROM COMMITMENT VII.c-CONC-008)
VII.c-CONC-005	1	ISAP VII.c RESULTS REPORT, APPENDIX 1B, REV.1, PG.27 CAR 87-010, REV.1	UN SOUND MORTAR	THE RESULTS OF THIS EXAMINATION (LOOSE OR UNSOUND MORTAR IN HORIZONTAL CONSTRUCTION JOINTS IN CATEGORY 1 BUILDINGS) WILL BE EVALUATED AND DOCUMENTED IN SWEC JOB BOOK 27-2-2.	CAR 87-010 REV.1	CONCURRED	QA/QC-RT-9384 10/23/87
VII.c-CONC-006	1	ISAP VII.c RESULTS REPORT, APPENDIX 1B, REV.1, PG.27 CAR 87-010 REV.1, SWTU 4692 - SWTU 2903	UN SOUND MORTAR	PERFORM SAFETY-SIGNIFICANCE EVALUATIONS OF 2 REPORTED CASES OF UNSOUND MORTAR.	CAR 87-010, REV.1	CONCURRED	QA/QC-RT-9384 10/23/87
VII.c-CONC-007	1	ISAP VII.c RESULTS REPORT, APPENDIX 1B, REV.1, PG.27 CAR 87-010, REV.1	UN SOUND MORTAR	DETERMINE ROOT CAUSE AND GENERIC IMPLICATIONS OF UNSOUND MORTAR, IF POSSIBLE, AND ADDRESS THEM AS NECESSARY.	CAR 87-010, REV.1	CONCURRED	QA/QC-RT-9384 10/23/87
VII.c-CONC-008	1	ISAP VII.c RESULTS REPORT, APPENDIX 1B, REV.1, PG.27 CAR 87-010, REV.1	UN SOUND MORTAR	ADDITIONAL HORIZONTAL CONSTRUCTION JOINTS IN SEISMIC CATEGORY 1 BUILDINGS WILL BE EXAMINED TO DETECT LOOSE OR UNSOUND MORTAR.	CAR 87-010, REV.1 VII.c-CONC-004	CONCURRED	QA/QC-RT-9384 10/23/87

ISAP VII.C-LINR
 "Containment Liners and Stainless Steel Tank Liners"
 Finding No: C-LINR-01 Description: PRESENCE OF RUST Class: UNCLASSIFIED TREND Recom'd'n Letter: C-3

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.C-LINR-001 7	ISAP VII.C RESULTS REPORT, APPENDIX 23, REV.1, PG 14 LINERS CAR 87-009, REV.1	IRON CONTAMINATION AND RUST IN STAINLESS STEEL TANK LINERS REVIEW SPECIFICATIONS, PROCEDURES, QUALITY CONTROL PROGRAMS, AND TRAINING TO DETERMINE IF ADDITIONAL PROVISIONS ARE NEEDED TO PREVENT IRON CONTAMINATION.	CAR 87-009, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87
VII.C-LINR-002 1	ISAP VII.C RESULTS REPORT, APPENDIX 23, REV.1, PG 14 LINERS CAR 87-009, REV.1	IRON CONTAMINATION AND RUST IN STAINLESS STEEL TANK LINERS REVISE SPECIFICATION 2323-SS-17, "MISCELLANEOUS STEEL," FOR CONTROL OF IRON CONTAMINATION FROM TOOLS USED ON STAINLESS STEEL.	CAR 87-009, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87
VII.C-LINR-003 1	ISAP VII.C RESULTS REPORT, APPENDIX 23, REV.1, PG 13 LINERS CAR 87-009, REV.1	IRON CONTAMINATION AND RUST IN STAINLESS STEEL TANK LINERS REINSPECT AND CLEAN ALL STAINLESS-STEEL-LINED TANKS FOR UNITS 1 AND 2. CORRECT AS NECESSARY AND MAINTAIN APPROPRIATE SURVEILLANCE OVER THE LIFE OF THE FACILITY.	CAR 87-009, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87

ISAP VII C-RICH
 "Concrete Insert Thread Engagement"

Finding No: C-RICH-01 Description: THREAD ENGAGEMENT Class: UNCLASSIFIED TREND Recom'd'n Letter: S-10

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.-C-RICH-001 1	ISAP VII.-C RESULTS REPORT, APPENDIX 33, REV. 1, PG 10 CAR 87-014 REV. 1, SMTU 2898	THREAD ENGAGEMENT	PERFORM A TEST PROGRAM TO ESTABLISH THE ALLOWABLE LOADINGS FOR BOLTING IN CONCRETE INSERTS WITH LESS THAN FULL THREAD ENGAGEMENT.	CAR 87-014, REV. 1, STIR-S-001 CAR 87-042 REV. 0, POR-037	CONCURRED	QA/QC-RT-8579 8/17/87 QA/QC-RT-9380, 10/23/87
VII.-C-RICH-002 1	ISAP VII.-C RESULTS REPORT, APPENDIX 33, REV. 1, PG 10 CAR 87-014 REV. 1, SMTU 2898	THREAD ENGAGEMENT	DEMONSTRATE ACCEPTABILITY OF FIELD INSTALLATIONS THROUGH MARGIN ANALYSIS ON THOSE CONSTRUCTION WORK CATEGORIES MOST RELATIVELY LOADED.	CAR 87-014, REV. 1, STIR-S-001	CONCURRED	QA/QC-RT-8579 8/17/87
VII.-C-RICH-003 1	ISAP VII.-C RESULTS REPORT, APPENDIX 33, REV. 1, PG 9 CAR 87-014 REV. 1 SMTU 2898	THREAD ENGAGEMENT	INITIATE PROGRAM TO REPAIR THOSE INSTALLATIONS, IF ANY, THAT DO NOT MEET MARGIN ANALYSIS CRITERIA.	CAR 87-014, REV. 1, STIR-S-001	CONCURRED	QA/QC-RT-8579 8/17/87
VII.-C-RICH-004 1	ISAP VII.-C RESULTS REPORT, APPENDIX 33, REV. 1, PG 10	THREAD ENGAGEMENT	VERIFY THAT CURRENT PROCEDURES FOR CORRECTIVE ACTION INCLUDE FEATURES THAT WOULD ENSURE THAT FUTURE "SLEEP" ACTIVITY MOTIVATED BY SIMILAR CONCERN WOULD RESULT IN EFFECTIVE DETECTION AND CORRECTION OF ANY DEVIATING CONDITIONS.	CAR 87-014, REV. 1, STIR-S-001	ISSUED	REFERENCE CPRT-1193
VII.-C-RICH-016 1	ISAP VII.-C RESULTS REPORT, APPENDIX 33, REV. 1, PG. 10 CAR 87-014, REV. 1, PG 2 CAR 87-042, REV. 0	EVALUATE "TURN-OF-THE-NUT" METHOD.	PRETENSIONING OF BOLTS IN RICHMOND INSERTS WITHIN POPULATION OF HVAC DUCT SUPPORTS WILL BE ADDRESSED THROUGH PERFORMING OF 1/8" PLANT TEST TO EVALUATE IMPACT OF "TURN-OF-THE-NUT" METHOD ON CAPACITY OF RICHMOND INSERTS WITH REDUCED ENGAGEMENT LENGTHS.	CAR 87-042 REV. 0, POR-037	CONCURRED	QA/QC-RT-8579 8/17/87 QA/QC-RT-9380, 10/23/87

ISAP VII.C-STEEL
 "Structural Steel"

Finding No: C-STEEL-01 Description: LACK OF BOLT JAM NUTS (8 DEVIATIONS ON PRESSURIZER PLATFORM AND 70 DEVIATIONS ON ROTATING PLATFORM) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: C-5

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.C-STEEL-010 1	ISAP VII.C RESULTS REPORT, APPENDIX 19, REV.1, PG.58 Q1W-88295	PROPER INSPECTION DRAWINGS PREPARE PROGRAM TO REVIEW ALL STRUCTURAL STEEL DESIGN DOCUMENTS, INCLUDING SCAs TO STRUCTURAL STEEL SPECIFICATION AND TO DRAWINGS AND DRAWING REVISIONS, TO DETERMINE WHICH HAVE BEEN INSPECTED OR CONSTRUCTED.	Q1W-88295	CONCURRED	REF. CPRT-1203, 09/15/88
VII.C-STEEL-011 1	ISAP VII.C RESULTS REPORT, APPENDIX 19, REV.1, PG.58 Q1W-88295	PROPER INSPECTION DRAWINGS TO PREVENT FUTURE OCCURRENCES, PREPARE PROCEDURE FOR REVIEW OF FUTURE DESIGN CHANGES RELATED TO STRUCTURAL STEEL.	Q1W-88295	CONCURRED	REF. CPRT-1203, 09/15/88
VII.C-STEEL-012 1	ISAP VII.C RESULTS REPORT, APPENDIX 19, REV.1, PG.56 Q1W-88295	MISSING JAM NUTS REINSPECT ALL CONNECTIONS THAT REQUIRE LOCKING DEVICES AND REMARK AS NECESSARY	Q1W-88295	CONCURRED	REF. CPRT-1203, 09/15/88
VII.C-STEEL-037 1	ISAP VII.C RESULTS REPORT, APPENDIX 19, REV.1, PG.56 CAR-073X, REV.1	LOCKING DEVICES SPECIFICALLY: 2323-SS-168 WILL BE REVISED TO INCORPORATE THE PROPER INSTRUCTIONS FOR THE INSTALLATION OF HARD TIGHT NUTS	CAR-073X, REV.1	CONCURRED	QA/QC-RT-8579 08/17/87
VII.C-STEEL-039 1	ISAP VII.C RESULTS REPORT, APPENDIX 19, REV.1, PG.56 Q1W-88295	IDENTIFICATION OF CONNECTIONS REQUIRING LOCKING DEVICES. DEVELOP PROGRAM TO IDENTIFY ALL BOLTED CONNECTIONS THAT REQUIRE LOCKING DEVICES AND PROVIDE APPROPRIATE INSPECTION REQUIREMENTS	VII.C-STEEL-036 VII.C-STEEL-037 Q1W-88295	CONCURRED	REF. CPRT-1203, 09/15/88

ISAP VII.C-STEEL
 Structural Steel

Finding No: C-STEEL-02 Description: GAPS BETWEEN CONNECTED PILES - SEISMIC WALL ANGLES Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: C-1

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Comments	Status of CPRI Concurrence	Remarks
VII.C-STEEL-036	1	ISAP VII.C RESULTS REPORT, APPENDIX 79, REV. 1, PG 56 LAB-073X, REV. 1 (REF: DATU-2919, PG. 1)	SOCKETING DEVICES	SPECIFY WHICH INSTALLATIONS REQUIRE HAND TIGHT CONNECTIONS AND PROVIDE INSTRUCTIONS ACCORDINGLY	CAR-073X, REV. 1	CONCURRED	QA/QC 8/17/87

ISAP VII-C-STEEL
 "Structural Steel"

Finding No: C-STEEL-03 Description: MISSING WELDS Class: ADVERSE TREND Recm'd'n Letter: C-f

Commitment No.	Type	Source Document	Description	Action Statement	Revised Commitments	Status of Concurrence	Remarks
VII-C-STEEL-028	1	ISAP VII-C RESULTS REPORT, APPENDIX 19, REV. 1, PG. 55, 57 CAR 87-012, REV. 1	MISSING DOCUMENTATION	CONSTRUCT-GO TO (1) REVIEW POPULATION WITH MISSING DOCUMENTATION FOR COMPLETENESS AND (2) COMPLETE E. ACCORDANCE WITH ENGINEERING DRAWINGS AND DCAS.	CAR 87-012, REV. 1	CONCURRED	QA/QC 8/17/87 ... APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS
VII-C-STEEL-021	1	ISAP VII-C RESULTS REPORT, APPENDIX 19, REV. 1, PG. 55, 57 CAR 87-012, REV. 1	MISSING DOCUMENTATION	QC TO INSPECT AREAS WITH MISSING DOCUMENTATION.	CAR 87-012, REV. 1	CONCURRED	QA/QC 8/17/87 ... ALSO APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS.
VII-C-STEEL-027	1	ISAP VII-C RESULTS REPORT, APPENDIX 19, REV. 1, PG. 55, 57 CAR 87-012, REV. 1	MISSING DOCUMENTATION	FIG TO IDENTIFY CATEGORY 1 STRUCTURAL STEEL FOR WHICH DOCUMENTATION IS MISSING.	CAR 87-012, REV. 1	CONCURRED	QA/QC 8/17/87 ... ALSO APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS
VII-C-STEEL-030	1	ISAP VII-C RESULTS REPORT, APPENDIX 19, REV. 1, PG. 55, 57	MISSING DOCUMENTATION	A MASTER LIST OF INSPECTION DOCUMENTATION CROSS-REFERENCED TO DESIGN DRAWINGS SHOULD BE PREPARED DURING RECOMMENDED DOCUMENTATION REVIEW	QIM-06205	VRIFENCE PENDING	ALSO APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS. SEE CPRT COMMITMENT VARIANCE REQUEST 8-316.
VII-C-STEEL-035	3	ISAP VII-C RESULTS REPORT, APPENDIX 19, REV. 1, PG. 55, 57	MISSING DOCUMENTATION	IDENTIFY AND RECLASSIFY ANY STRUCTURAL STEEL CURRENTLY CLASSIFIED AS SEISMIC CATEGORY 1 THAT WOULD BE MORE APPROPRIATELY CLASSIFIED AS SEISMIC CATEGORY 11.	QIM-06205	N/A	ALSO APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS. SEE CPRT COMMITMENT VARIANCE REQUEST

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 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-STEEL
 Structural Steel

Finding No: C-STEEL-04 Description: SUBSTITUTION OF SMALLER MEMBER (INCLUDES OUT-OF-SCOPE'S)
 Class: UNCLASSIFIED - EMD Recom'd'n Letter: C-6

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Relat Documents / Commitments	Status of CPRT Concurrence	Remarks
VII.c-STEEL-018 1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV. 1, PG. 55, 57 CAR 87-012, REV. 1	MISSING DOCUMENTATION	CONSTRUCTION TO (1) REVIEW POPULATION WITH MISSING DOCUMENTATION FOR COMPLETENESS AND (2) COMPLETE IN ACCORDANCE WITH ENGINEERING DRAWINGS AND DCAs.	CAR 87-012, REV. 1	CONCURRED	QA/QC-RT-8579 8/17/87 --- ALSO APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS
VII.c-STEEL-021 1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV. 1, PG. 55, 57 CAR 87-012, REV. 1	MISSING DOCUMENTATION	QC TO INSPECT AREAS WITH MISSING DOCUMENTATION.	CAR 87-012, REV. 1	CONCURRED	QA/QC-RT-8579 8/17/87 --- ALSO APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS.
VII.c-STEEL-027 1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV. 1, PG. 55, 57 CAR 87-012, REV. 1	MISSING DOCUMENTATION	PF6 TO IDENTIFY CATEGORY I STRUCTURAL STEEL FOR WHICH DOCUMENTATION IS MISSING.	CAR 87-012, REV. 1	CONCURRED	QA/QC-RT-8579 08/17/87 --- ALSO APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS
VII.c-STEEL-030 1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV. 1, PG. 55, 57	MISSING DOCUMENTATION	A MASTER LIST OF INSPECTION DOCUMENTATION CROSS-REFERENCED TO DESIGN DRAWINGS SHOULD BE PREPARED DURING RECOMMENDED DOCUMENTATION REVIEW	QIM-88295	VARIANCE PENDING	ALSO APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS. SEE CPRT COMMITMENT VARIANCE REQUEST #016.
VII.c-STEEL-033 3	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV. 1, PG. 55, 57	MISSING DOCUMENTATION	IDENTIFY AND RECLASSIFY ANY STRUCTURAL STEEL CURRENTLY CLASSIFIED AS SEISMIC CATEGORY I THAT WOULD BE MORE APPROPRIATELY CLASSIFIED AS SEISMIC CATEGORY II.	QIM-88295	N/A	ALSO APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS. REF. CPRT-1180. SEE CPRT COMMITMENT

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-STEL
 "Structural Steel"

Finding No: C-STEL-04

Description: SUBSTITUTION OF SMALLER MEMBER (INCLUDES OUT-OF-
 SCOPES)

Class: UNCLASSIFIED TREND

Pacom'd'n Letter: C-6

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
*****	***	*****	*****	*****	*****	*****	***** VARIANCE REQUEST #017.

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 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-STEEL
 "Structural Steel"

Finding No: C-STEEL-05 Description: MISSING DOCUMENTATION

Class: UNCLASSIFIED TREP9

Recom'd'n Letter: C-8

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-STEEL-C18	1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV.1, PG.55,57 CAR 87-012, REV.1	MISSING DOCUMENTATION	CONSTRUCTION TO (1) REVIEW POPULATION WITH MISSING DOCUMENTATION FOR COMPLETENESS AND (2) COMPLETE IN ACCORDANCE WITH ENGINEERING DRAWINGS AND DCAs.	CAR 87-012, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87 ... ALSO APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS
VII.c-STEEL-021	1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV.1, PG.55,57 CAR 87-012, REV.1	MISSING DOCUMENTATION	QC TO INSPECT AREAS WITH MISSING DOCUMENTATION.	CAR 87-012, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87 ... ALSO APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS.
VII.c-STEEL-027	1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV.1, PG.55,57 CAR 87-012, REV.1	MISSING DOCUMENTATION	PF9 TO IDENTIFY CATEGORY I STRUCTURAL STEEL FOR WHICH DOCUMENTATION IS MISSING.	CAR 87-012, REV.1	CONCURRED	QA/QC-RT-8579 08/17/87 ... ALSO APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS
VII.c-STEEL-030	1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV.1, PG.55,57	MISSING DOCUMENTATION	A MASTER LIST OF INSPECTION DOCUMENTATION CROSS-REFERENCED TO DESIGN DRAWINGS SHOULD BE PREPARED DURING RECOMMENDED DOCUMENTATION REVIEW	Q1M-88295	VARIANCE PENDING	ALSO APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS. SEE CPRT COMMITMENT VARIANCE REQUEST #016.
VII.c-STEEL-033	1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV.1, PG.55,57	MISSING DOCUMENTATION	IDENTIFY AND RECLASSIFY ANY STRUCTURAL STEEL CURRENTLY CLASSIFIED AS SEISMIC CATEGORY I THAT WOULD BE MORE APPROPRIATELY CLASSIFIED AS SEISMIC CATEGORY II.	Q1M-88295	N/A	ALSO APPLIES TO MISSING WELDS AND SUBSTITUTION OF SMALLER MEMBERS. SEE CPRT COMMITMENT VARIANCE REQUEST #016.

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.C-STEEL
"Structural Steel"

Finding No: C-STEEL-06 Description: SUBSTITUTION OF SMALLER DIAMETER STRUCTURAL BOLTS Class: SPECIAL CASE Recom'd'n Letter: C-7

Commitment No.	Type	Source Document	Description	Active Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-STEEL-002	1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV.1, PG 56 CAR 87-011, REV.0	SUBSTITUTION OF SMALLER DIAMETER BOLTS	VENDORS SHALL BE INSTRUCTED TO OBTAIN WRITTEN APPROVAL FROM ENGINEERING PRIOR TO ANY BOLT DIAMETER SUBSTITUTION, PER 2323-SS-168.	CAR 87-011, REV.0	CONCURRED	QA/QC-RT-8579 8/17/87
VII.c-STEEL-003	1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV.1, PG 56 CAR 87-011, REV.0	SUBSTITUTION OF SMALLER DIAMETER BOLTS	COMPARE ALL VENDOR DRAWINGS TO DESIGN DRAWINGS FOR ALL SEISMIC CATEGORY I VENDOR-FABRICATED STRUCTURAL STEEL ITEMS TO IDENTIFY ALL DISCREPANCIES IN BOLT SIZE.	CAR 87-011, REV.0	CONCURRED	QA/CC-RT-8579 8/17/87
VII.c-STEEL-040	1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV.1, PG.56 QIM-88295	UNDERSIZED WELDS AND SUBSTITUTION OF SMALLER DIAMETER BOLTS	METHOD FOR DOCUMENTING WELDING AND BOLTING SHOULD BE MODIFIED TO DOCUMENT INSPECTION OF EACH WELD AND BOLT DETAIL.	QIM-88295	CONCURRED	REF. CPRT-1203, 09/15/88

ISAP VII.C-STEL
 "Structural Steel"

Finding No: C-STEL-07 Description: UNDERSIZE WELDS f'asis: UNCLASSIFIED TREND Status of CPRT Concurrence Related Documents/Commitments Action Statement Summary Remarks

Commitment No.	Type	Source Document	Description	Status of CPRT Concurrence	Related Documents/Commitments	Action Statement Summary	Remarks
VII.C-STEL-005	1	ISAP VII.C RESULTS REPORT, APPENDIX 19, REV.1, PG 56 CAR 87-012, REV.1 REF: SMTU-2906, PG.3	UNDERSIZED WELDS	CONCURRED	CAR 87-012, REV.1	THE TRAINING OR METHODS OF WELDING INSPECTION SHOULD BE IMPROVED AS NECESSARY TO ENSURE SATISFACTION OF AMS REQUIREMENTS.	QA/QC-RT-8579 8/17/87
VII.C-STEL-007	1	ISAP VII.C RESULTS REPORT, APPENDIX 19, REV.1, PG 55 CAR 87-012 REV.1 (REF: SMTU-2906, PG 3)	UNDERSIZED WELDS	CONCURRED	CAR 87-012, REV.1	DETERMINE IF ADDITIONAL INSPECTIONS ARE REQUIRED TO ASSURE THAT NO UNDETECTED CONSTRUCTION DEFICIENCIES EXIST.	QA/QC-RT-8579 8/17/87
VII.C-STEL-008	1	ISAP VII.C RESULTS REPORT, APPENDIX 19, REV.1, PG 55 CAR 87-012, REV.1 SMTU-2906, PG.3	UNDERSIZED WELDS	CONCURRED	CAR 87-012, REV.1	COMPLETE CAPACITY REDUCTION AND STRESS DISTRIBUTION FROM SAMPLED WELDS THAT HAVE DEVIATIONS.	QA/QC-RT-8579 08/17/87
VII.C-STEL-009	1	ISAP VII.C RESULTS REPORT, APPENDIX 19, REV.1, PG 55 CAR 87-012, REV.1 SMTU-2906, PG.3	UNDERSIZED WELDS	CONCURRED	CAR 87-012, REV.1	SELECT ADDITIONAL SAMPLES OF FIELD WELDS, AND INSPECT USING QC PROCEDURES FOR WELD SIZE.	JA/QC-RT-8579 08/17/87
VII.C-STEL-040	1	ISAP VII.C RESULTS REPORT, APPENDIX 19, REV.1, PG.56 Q1M-88295	UNDERSIZED WELDS AND SUBSTITUTION OF SMALLER DIAMETER BOLTS	CONCURRED	Q1M-88295	METHOD FOR DOCUMENTING WELDING AND BOLTING INSPECTION SHOULD BE MODIFIED TO DOCUMENT INSPECTION OF EACH WELD AND BOLT DETAIL.	REF. CPRT-1203, 09/15/88

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-STEL
"Structural Steel"

Finding No: C-STEL-08 Description: BOLT TIGHTENING - GAPS BETWEEN CONNECTED PLIES (2 CDs
- ROTATING PLATFORM AND SUMP STRUCTURE) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: C-10

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-STEL-014	1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV.1, PG.57 QIM-88295	GAPS BETWEEN CONNECTED PLIES - UNIT 1 ROTATING PLATFORM AND SUMP STRUCTURES	REVISE CONSTRUCTION AND INSPECTION PROCEDURES TO DELINEATE REQUIREMENT THAT CONNECTIONS BE FREE OF GAPS. ADDITIONALLY, THE CONSTRUCTION & INSPECTION PROCEDURES SHOULD BE REVIEWED AND REVISED TO ENSURE SPEC REQUIREMENTS ARE ADDRESSED.	QIM-88295	CONCURRED	REF. CPRT-1203, 09/15/88
VII.c-STEL-015	1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV.1, PG.57 QIM-88295	GAPS BETWEEN CONNECTED PLIES - UNIT 1 ROTATING PLATFORM AND SUMP STRUCTURES	REINSPECT CONNECTIONS THAT TRANSMIT DESIGN FORCE VIA BEARING OF THE CONNECTED PLIES AND CORRECT ANY DEFICIENCIES IDENTIFIED.	QIM-88295	CONCURRED	REF. CPRT-1203, 09/15/88
VII.c-STEL-016	1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV.1, PG.57 QIM-88295	GAPS BETWEEN CONNECTED PLIES - UNIT 1 ROTATING PLATFORM AND SUMP STRUCTURES	PREPARE PROCEDURES TO DETAIL INSPECTION REQUIREMENTS FOR CONNECTIONS THAT TRANSMIT DESIGN FORCE VIA BEARING OF THE CONNECTED PLIES.	QIM-88295	CONCURRED	REF. CPRT-1203, 09/15/88
VII.c-STEL-017	1	ISAP VII.c RESULTS REPORT, APPENDIX 19, REV.1, PG.57	GAPS BETWEEN CONNECTED PLIES - UNIT 1 ROTATING PLATFORM AND SUMP STRUCTURES	DEVELOP PROCEDURE TO IDENTIFY BOLTED CONNECTIONS THAT TRANSMIT DESIGN FORCE VIA BEARING OF CONNECTED PLIES.	QIM-88295	VARIANCE PENDING	SEE CPRT COMMITMENT VARIANCE REQUEST #015.

FOR INFORMATION ONLY - DATA SUBJECT TO UPDATE WITHOUT NOTICE
 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP I.a.1
 "Heat-Shrinkable Cable Insulation Sleeves"
 Finding No: E-1.a.1-01 Description: UNACCEPTABLE INSTALLATION OF HEAT-SHRINKABLE CABLE INSULATION SLEEVES Class: ADVERSE TREND Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
I.a.1-002	1	ISAP I.a.1 RESULTS REPORT, REV.1, PG.25	DOCUMENT REVIEW OF HEAT SHRINKABLE INSULATION SLEEVE INSTALLATIONS	REVIEW OF QC DOCUMENTATION SHOULD BE PERFORMED FOR ALL INSTALLATIONS OF HEAT-SHRINKABLE INSULATION SLEEVES IN CLASS 1E CIRCUITS IN UNITS 1, 2, AND COMMON TO DETERMINE THAT (1) SLEEVES WERE INSTALLED AND INSPECTED WHERE REQUIRED AND 2) QC INVOLVEMENT WAS ADEQUATE.	N/A	ISSUED	WHERE THE DOCUMENT REVIEW INDICATES INCONCLUSIVE EVIDENCE OF QC INVOLVEMENT, FURTHER CORRECTIVE ACTION SHOULD BE DETERMINED ON A CASE-BY-CASE BASIS.
I.a.1-003	1	ISAP I.a.1 RESULTS REPORT, REV.1, PG.25	REINSPECTION OF ALL HEAT-SHRINKABLE INSULATION SLEEVES ON CLASS 1E CABLES IN HARSH ENVIRONMENTS	A REINSPECTION OF ALL HEAT-SHRINKABLE INSULATION SLEEVE INSTALLATIONS IN CLASS 1E CIRCUITS IN HARSH ENVIRONMENTS IN UNITS 1, 2, AND COMMON SHOULD BE PERFORMED TO ASSESS THE ADEQUACY OF THE SLEEVE INSTALLATIONS TO PERFORM THEIR FUNCTION. RESULTS OF THESE REINSPECTIONS SHOULD THEN BE ASSESSED TO DETERMINE WHETHER ANY ADDITIONAL ACTION IS REQUIRED FOR INSTALLATIONS IN MILD ENVIRONMENTS.	N/A	ISSUED	

ISAP 1.a.2
 "Inspection Reports on Butt-Splices"

Finding No: E-1.a.2-01 Description: DEFICIENT PROGRAM FOR INSTALLATION AND INSPECTION OF AMP PIES SPLICES (10CFR50, APP.B, CRITERION V) Class: QA/QC PROGRAM DEFICIENCY Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
1.a.2-006	1	ISAP 1.a.2 RESULTS REPORT, REV.1, PG.23	WALKDOWN TO ENSURE MAXIMUM CABLE BUNDLE SUPPORT DISTANCES IN ELECTRICAL PANELS	EXAMINATION OF THE HORIZONTAL AND VERTICAL WIRE BUNDLES WITHIN THE ELECTRICAL CABINETS IS NECESSARY TO ENSURE THAT THEY ARE SUPPORTED AT LEAST EVERY 15" AND 24" RESPECTIVELY. THIS WILL BE DONE AS A WALKDOWN ACTIVITY.	STIR-CPRT-001	ISSUED	
1.a.2-009	1	ISAP 1.a.2 RESULTS REPORT, REV.1, PG.30	DRAWINGS ARE BEING REVISED TO REFLECT CURRENT AS-BUILT CONFIGURATION.	DRAWINGS HAVE BEEN OR ARE BEING REVISED AS APPROPRIATE TO REFLECT AS-BUILT CONFIGURATION OF KNOWN AMP PIES SPLICES IN FIELD IN CLASS IE ESSENTIAL AND ASSOCIATED CABLES.	ENGINEERING DRAWINGS	ISSUED	

ISAP 1.a.2
 "Inspection Report on Butt-Splices"

Finding No: E-1.a.2-02 Description: WRONG SIZE SPLICES ON VENDOR PIGTAILS

Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
1.a.2-010	1	ISAP 1.a.2 RESULTS REPORT, REV.1, PG.31	REINSPECTION OF PIGTAILS TERMINATED WITH AMP PIES SPLICES FOR CORRECT APPLICATION OF HARDWARE.	REVIEW TEAM RECOMMENDED THAT ALL ASSOCIATED CLASS IE PIGTAILS TERMINATED WITH AMP PIES SPLICES BE REINSPECTED BY CPSES PROJECT FOR CORRECT APPLICATION OF HARDWARE.	SMTU-0709	ISSUED	SMEC RECOMMENDATION INCORPORATED INTO TWE-FVM-EE-022 (CAR-063, SDAR-CP-86-38), TRACEABILITY OF IE PIGTAIL EXTENSIONS (DETAIL 18), AND STIR-MCR-E-004.

ISAP I.b.4
 "Barrier Removal"

Finding No: E-I.b.4-01 Description: VIOLATIONS OF CABLE SEPARATION (326 UNCLASSIFIED DEVIATIONS, 34 OF WHICH WERE REPORTED IN I.b.2) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/ Commitments	Status of CPRT Concurrence	Remarks
I.b-001 1 ISAPs I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS GHCP-1419	REVISION OF ELECTRICAL ERECTION SPECIFICATION 2323-ES-100	AS PART OF THE CORRECTIVE ACTION PROGRAM FOR THE I.b.2 AND I.b.4 RESULTS REPORT TU ELECTRIC HAS COMMITTED TO REVISE ES-100 TO CLARIFY THOSE SECTIONS DEALING WITH ELECTRICAL SEPARATION INSIDE ELECTRICAL PANELS.	CPRT-797, CPRT-484, GHCP-1313, CPRT-634, GHCP-1419, CPRT-696, GHCP-2346, STIR-CPRT-E-006	CONCURRED	SEE CPRT-756
I.b-002 1 ISAPs I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS GHCP-1313	REVISION OF ELECTRICAL DRAWING 2323-E1-1702-02	AS PART OF THE CORRECTIVE ACTION PROGRAM FOR THE I.b.2 AND I.b.4 RESULTS REPORTS, TU ELECTRIC HAS COMMITTED TO REVISE ELECTRICAL DRAWING 2323-E1-1702-02 TO CLARIFY THE CRITERIA FOR ELECTRICAL SEPARATION INSIDE MULTI-TRAIN PANELS.	CPRT-484, GHCP-1313, CPRT-634, GHCP-1419, STIR-CPRT-E-006	CONCURRED	SEE CPRT-756.
I.b-003 1 ISAPs I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS GHCP-1313	REVISION OF CRAFT PROCEDURE 35-1195-EE1-8	AS PART OF THE CAP FOR I.b.2 & I.b.4 RESULTS REPORTS, TU HAS COMMITTED TO REVISE CRAFT PROCEDURE 35-1195-EE1-8 TO PROVIDE A REFERENCE TO THE APPLICABLE SEPARATION CRITERIA. ALSO, CABLES THAT CAN BE MOVED TO CREATE A SEPARATION VIOLATION & REMAIN IN THAT POSITION WILL BE RESTRAINED.	CPRT-484, GHCP-1313, CPRT-634, GHCP-1419, STIR-CPRT-E-006	CONCURRED	SEE CPRT-756.
I.b-004 1 ISAPs I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS GHCP-1313	REVISION OF QUALITY INSPECTION PROCEDURE Q1-QP-11.3-28.	AS PART OF THE CORRECTIVE ACTION PROGRAM FOR THE I.b.2 AND I.b.4 RESULTS REPORTS, TU ELECTRIC HAS COMMITTED TO REVISE Q1-QP-11.3-28 TO CLARIFY THE SEPARATION CRITERIA FOR MULTI-TRAIN PANELS.	CPRT-484, GHCP-1313, CPRT-634, GHCP-1419, STIR-CPRT-E-006	CONCURRED	SEE CPRT-756.
I.b-005 1 ISAPs I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS	REVISION OF QUALITY INSPECTION PROCEDURE Q1-QP-11.3-40	AS PART OF THE CORRECTIVE ACTION PROGRAM FOR THE I.b.2 AND I.b.4 RESULTS REPORTS, TU ELECTRIC HAS COMMITTED TO REVISE Q1-QP-11.3-40 TO CLARIFY THE SEPARATION CRITERIA FOR	CPRT-484, GHCP-1313, CPRT-634, GHCP-1419, STIR-CPRT-E-006	CONCURRED	SEE CPRT-756.

ISAP I.b.4
 "Barrier Removal"

Finding No: E-1.b.4-01 Description: VIOLATIONS OF CABLE SEPARATION (326 UNCLASSIFIED DEVIATIONS, 34 OF WHICH WERE REPORTED IN I.b.2) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: M/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
<p>REPORTS</p> <p>GRCP-1313</p>					
I.b-006 1	ISAPs I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS	REVISION OF QUALITY INSPECTION PROCEDURE QI-QP-11.3-55	AS PART OF THE CORRECTIVE ACTION PROGRAM FOR THE I.b.2 AND I.b.4 RESULTS REPORTS, TU ELECTRIC HAS COMMITTED TO REVISE QI-QP-11.3-55 TO CLARIFY THE SEPARATION CRITERIA FOR MULTI-TRAIN PANELS.	CONCURRED	SEE CPRT-756.
<p>GRCP-1313</p>					
I.b-009 1	ISAPs I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS	ISSUANCE OF PROCEDURE STA-720	AS PART OF THE CAP FOR THE I.b.2 AND I.b.4 RESULTS REPORTS, TU ELECTRIC OPERATIONS HAS COMMITTED TO ISSUING PROCEDURE STA-720 ADDRESSING THE ESTABLISHMENT AND MAINTENANCE OF ELECTRICAL SEPARATION IN MULTI-TRAIN PANELS. SPECIFIC AREAS TO BE ADDRESSED BY STA-720 ARE GIVEN IN DOCUMENT TCF-86370.	CONCURRED	ISAP I.b.4 REV. 1 RESULTS REPORT PAGE 20
<p>TIM-861560</p> <p>CPRT-656</p>					
I.b-010 1	ISAPs I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS	REVISION OF PROCEDURE MDA-107	PROCEDURE MDA-107 WILL BE REVISED TO REQUIRE AN INSPECTION PER STA-720 FOR ANY WORK ACTIVITY THAT IS PERFORMED IN MULTI-TRAIN CABINETS. PROCEDURE STA-720 WILL SHOW THE 2323-E1-1702-02 DRAWING SERIES AS A REFERENCE."	CONCURRED	ISAP I.b.4 REV. 1 RESULTS REPORT PAGE 20.
<p>TIM-861560</p>					
I.b-011 1	ISAPs I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS	REVISION OF PROCEDURE INC-101	INC-101 WILL BE REVISED TO INCORPORATE A CABLE SEPARATION INSPECTION PER STA-720."	CONCURRED	ISAP I.b.4 REV. 1 RESULTS REPORT PAGE 20.
<p>TIM-861560</p>					

ISAP I.b.4
 "Barrier Removal"

Finding No: E-I.b.4-01 Description: VIOLATIONS OF CABLE SEPARATION (326 UNCLASSIFIED DEVIATIONS, 34 OF WHICH WERE REPORTED IN I.b.2) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Occurrence	Remarks
I.b-012	1	ISAPs I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS MP-1224	REVISION OF PROCEDURE CP-SAP-19	"REVISE CP-SAP-19 TO REQUIRE INDOCTRINATION AND TRAINING OF STES AND ETGs IN SEPARATION CRITERIA."	SU-86370, STIR-CPRT-E-006, MP-1224	CONCURRED	SEE CPRT-756.
I.b-013	1	ISAPs I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS MP-1224	REVISION OF PROCEDURE CP-SAP-6	"REVISE CP-SAP-6 TO REQUIRE A STARTUP WORK AUTHORIZATION FOR ALL ACTIVITIES IN MULTI-TRAIN PANELS AFTER COMPLETION OF THE QI-OP-11.3.40 POST CONSTRUCTION VERIFICATION."	SU-86370, MP-1224, STIR-CPRT-E-006	CONCURRED	SEE CPRT-756.
I.b-014	1	ISAPs I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORT MP-1224	REVISION OF QI-OP-11.3-40	STARTUP WILL REQUEST A REVISION TO QI-OP-11.3-40 SO THAT THE POST CONSTRUCTION INSPECTION OF MULTI-TRAIN PANELS IS INITIATED UPON THE REQUEST OF THE STARTUP MANAGER. INTENT OF THIS CHANGE IS TO MOVE THE FINAL SEPARATION INSPECTION OUT UNTIL JUST BEFORE STA-802 TURNOVER TO OPERATIONS.	MP-3048, STIR-CPRT-E-006, MP-1224, SU-86370	CONCURRED	SEE CPRT-756.
I.b-015	1	ISAPs I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORT TIM-871984	REVISION OF SPECIFICATION TES-100	SPECIFICATION TES-100 SHOULD BE REVISED TO ENSURE THAT IT IS CONSISTENT WITH ELECTRICAL ERECTION SPECIFICATION 2323-ES-100, WHICH IS CURRENTLY BEING REVISED.	STIR-CPRT-E-006, L'91-797, CPRT-E'96, TIM-871984	N/A	SUPERCEDED BY I.b-70. SEE CPRT-1048.
I.b-016	1	ISAPs I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS	ISSUANCE OF ACCESS CONTROL PROCEDURE FOR STARTUP.	STARTUP COMMITTED TO INITIATING A PROGRAM FOR CONTROLLING ACCESS AND MAINTAINING ACCOUNTABILITY FOR SEPARATION MAINTENANCE IN MULTI-TRAIN EQUIPMENT.	STIR-CPRT-E-006, CPPA-56465, SU-86267, LP-1224, MP-0687	CONCURRED	SEE CPRT-756.

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP 1.b.4
"Barrier Removal"

Finding No: E-1.b.4-01 Description: VIOLATIONS OF CABLE SEPARATION (326 UNCLASSIFIED DEVIATIONS, 34 OF WHICH WERE REPORTED IN I.b.2) Class: UNCLASSIFIED DEVIATION Recm'd'n Letter: N/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/ Commitments	Status of CPRT Concurrence	Remarks
1.b-017 1 ISAPs 1.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS MP-1224	DEVELOPMENT OF AN ACCESS CONTROL PROGRAM FOR OPERATIONS	TUGCO OPERATIONS COMMITTED TO "DETERMINE ACCESS CONTROL METHODS FOR OPERATION." THIS COMMITMENT WOULD APPLY TO MULTI-TRAIN ELECTRICAL PANELS AND WOULD AID IN MAINTAINING ELECTRICAL SEPARATION.	STIR-CPRT-E-006, MP-0824, NP-1224, SU-86267, CPPA-56465	CONCURRED	SEE CPRT-756.
1.b-018 1 ISAPs 1.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS MP-1224	MODIFICATION OF GENERAL EMPLOYEES TRAINING PROGRAM.	"ON ISSUANCE OF STA-720 TRAINING WILL BE PROVIDED. ... THE GENERAL EMPLOYEE TRAINING PROGRAM WILL BE MODIFIED TO SHOW AND DESCRIBE THE SEPARATION CRITERIA SIGN AND EXPLAIN ITS MEANING".	TCF-86370, STIR-CPRT-E-006, NP-1224	CONCURRED	SEE CPRT-756.
1.b-019 1 ISAPs 1.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS, PG.19 MP-1224	TRAINING TO GENERAL SEPARATION CRITERIA	DOCUMENT ME-1165 TRANSMITS A COPY OF THE PROPOSED TRAINING PROGRAM TO SENSITIZE PERSONNEL INVOLVED WITH MULTI-TRAIN PANELS ON THE IMPORTANCE OF ESTABLISHING AND MAINTAINING ELECTRICAL SEPARATION. THIS IS A GENERAL TRAINING PROGRAM REQUIREMENT FOR ALL PERSONS WHO ENTER MULTI-TRAIN PANELS.	ME-1165, NP-0687, NP-1224	N/A	SEE CPRT-756. SUPERSEDED BY I.B-091 AND I.B-092. SEE COMMITMENT VARIANCE REQUEST #001.
1.b-020 1 ISAPs 1.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1 RESULTS REPORTS MP-1224	TRAINING TO GENERAL SEPARATION CRITERIA	"ON ISSUANCE OF STA-720, TRAINING WILL BE PROVIDED. ... ALL OPERATORS, ELECTRICAL MAINTENANCE PERSONNEL AND APPROPRIATE PLANT ENGINEERS WILL BE BRIEFED ON THE PROVISIONS OF THE PROCEDURE"	STIR-CPRT-E-006, TCF-86370, NP-1224	CONCURRED	SEE CPRT-756
1.b-021 1 ISAPs 1.b.1, REV.1, I.b.2, REV.1, I.b.4,	INSPECTOR TRAINING AND QUALIFICATION	"ON ISSUANCE OF STA-720 TRAINING WILL BE PROVIDED. ... DESIGNATED VERIFICATION INSPECTORS WILL BE TRAINED IN DETAIL PRIOR TO BEING	STIR-CPRT-E-006, MP-1224, TCF-86370, NP-0824	CONCURRED	SEE CPRT-756

ISAP 1.b.4
 "Barrier Removal"

Finding No: E-1.b.4-01 Description: VIOLATIONS OF CABLE SEPARATION (326 UNCLASSIFIED DEVIATIONS, 34 OF WHICH WERE REPORTED IN 1.b.2) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: M/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
I.b-022	1	ISAPs 1.b.1, REV.1, 1.b.2, REV.1, 1.b.4, REV.1 RESULTS REPORTS MP-1224	INSPECTOR QUALIFICATION- OPERATIONS	TCF-86370 STATES THAT PROCEDURE STA-720 WILL PROVIDE INFORMATION ON THE "ESTABLISHMENT OF TRAINING AND CERTIFICATION CRITERIA FOR VERIFICATION INSPECTORS."	MP-0824, MP-1224, STIR-CPRT-E-006	CONCURRED	SEE CPRT-756
I.b-023	1	ISAPs 1.b.1, REV.1, 1.b.2, REV.1, 1.b.4, REV.1 PG.20, RESULTS REPORTS MP-1224	TRAINING TO REVISED PROCEDURES	TRAINING OF AFFECTED PERSONNEL WILL BE REQUIRED FOR ALL PROCEDURES REVISED AS A RESULT OF THE CORRECTIVE ACTION PROGRAM FOR RESULTS REPORTS 1.b.2 AND 1.b.4.	ME-1165, MP-1224, STIR-CPRT-E-006	CONCURRED	SEE CPRT-756.
I.b-027	1	ISAPs 1.b.1, REV.1, 1.b.2, REV.1, 1.b.4 REV.1 PG.20, RESULTS REPORTS MP-1224	REINSPECTION OF CONTROL BOARDS AND VERTICAL VENTILATION PANELS	AFTER ALL MCRs ARE CLOSED, TU ELECTRIC WILL PERFORM A POST-CONSTRUCTION INSPECTION OF THE CONTROL ROOM CONTROL BOARDS AND VERTICAL VENTILATION PANELS, WHICH WILL INCLUDE VERIFICATION OF ADEQUATE SEPARATION.	STIR-CPRT-E-006, MP-1224, SJ-86370	CONCURRED	SEE CPRT-756
I.b-028	1	ISAPs 1.b.1, REV.1, 1.b.2, REV.1, 1.b.4 REV.1 PG. 20, RESULTS REPORTS MP-1224	REINSPECTION OF MULTI-TRAIN PANELS	ONE ASPECT OF THE TU ELECTRIC CAP FOR RESULTS REPORTS 1.b.2 AND 1.b.4 IS FOR OPERATIONS TO ENSURE THAT MULTI-TRAIN PANELS THAT HAVE BEEN, OR WILL BE, TURNED OVER TO OPERATIONS UNDERGO A BASELINE INSPECTION TO VERIFY THAT ADEQUATE SEPARATION HAS BEEN ESTABLISHED.	MP-1224, TCF-86370, STIR-CPRT-E-006, CPRT-756	CONCURRED	SEE CPRT-756.
I.b-055	2	ISAP 1.b.3 RESULTS REPORT, REV.1,	FSAR CHANGE REQUEST BY TUGCO LICENSING	ENGINEERING WILL TRANSMIT INFORMATION REGARDING FSAR CHANGE REQUEST AND SUPPORTING	FSAR	ISSUED	

ISAP I.b.4
 "Barrier Removal"

Finding No: 5-I.b.4-01 Description: VIOLATIONS OF CABLE SEPARATION (326 UNCLASSIFIED DEVIATIONS, 34 OF WHICH WERE REPORTED IN I.b.2) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT	Remarks
I.b-065	1	ISAP I.b.2 RESULTS REPORT, REV.1, PG.34	APPLICATION OF I.b.1 CORRECTIVE ACTION TO UNIT 2	DOCUMENTS TO TU ELECTRIC LICENSING, WHICH IS FORMAL CHANNEL FOR SUBMITTING INFORMATION TO MRC. CORRECTIVE ACTION DISCUSSED IN I.b.1 (FOR UNIT 1 AND MULTI-TRAIN PANELS) WILL ALSO APPLY TO UNIT 2.	M/A	ISSUED	
I.b-069	1	ISAP I.b.1 RESULTS REPORT, REV.1, PG.28	EVALUATION OF SERVICAIR FLEX	SINCE THIS ACTION PLAN ADDRESSES USE OF SERVICAIR FLEX IN CONTROL BOARDS AND VERTICAL PANELS ONLY, ACCEPTABILITY OF SERVICAIR FLEX AS BARRIER IN OTHER PANELS REQUIRES FURTHER TU ELECTRIC EVALUATION ON CASE-BY-CASE BASIS.	ISAP I.b.2 RESULTS REPORT ISAP I.b.4 RESULTS REPORT	ISSUED	
I.b-076	1	ISAP I.b.4 RESULTS REPORT, REV.1, PG.20	CONTROL ACCESS TO PANELS REQUIRING SEPARATION	TU ELECTRIC TO CONTROL PERSONNEL ACCESS TO PANELS REQUIRING CABLE SEPARATION AFTER BASELINE INSPECTION HAS BEEN COMPLETED.	ISAP I.b.1 RESULTS REPORT	ISSUED	
I.b-090	1	ISAPS I.b.1, REV.1, I.b.2, REV.1, I.b.4, REV.1, RESULTS REPORT TIM-871984	REVISION OF SPECIFICATION TES 100	EITHER REVISE SPEC TES-100 TO BE CONSISTENT WITH ELECTRICAL ERECTION SPEC 2323-ES-100 OR REPLACE TES-100 WITH SPEC. 2323-ES-100. THE INTENT OF THIS COMMITMENT IS TO HAVE CONSISTANT ELECTRICAL SPECIFICATIONS USED PLANT-WIDE.	CPRT-1048, AUDIT ATP-87-521, TIM-871984	CONCURRED	THIS COMMITMENT REPLACES COMMITMENT I.B-15, SEE CPRT-1048
I.b-091	1	ISAP I.b.1 REV.1, I.b.2 REV.1, I.b.4 REV.1 RESULTS REPORTS, PG.19 NP-6362	TRAINING TO GENERAL SEPARATION CRITERIA	ALL PERSONNEL INVOLVED WITH MULTI-TRAIN PANELS REQUIRE GENERALIZED TRAINING ON IMPORTANCE OF ESTABLISHING AND MAINTAINING ELECTRICAL SEPARATION SIMILAR TO TRAINING PROGRAM CONTAINED IN NE-1165. IN LIEU OF TRAINING TO NE-1165, MORE DETAILED TRAINING TO ES-100 (APPENDICES F AND K) AND STA-720 WILL SUFFICE. TRAINING TO PROPOSED REVISION	I.b-092, 2323-ES-100 APP.F & K, NE-1165, STA-720, LETTER NP-6362	CONCURRED	NOTE: JOB-SPECIFIC TRAINING IS COVERED BY OTHER I.b SERIES COMMITMENTS. THIS COMMITMENT AND I.b-092 SUPERSEDE I.b-019 CPRT-1111, 3/15/88

FOR INFORMATION ONLY - DATA SUBJECT TO UPDATE WITHOUT NOTICE
 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP I.b.4
 "Barrier Removal"

Finding No: E-1.b.4-01 Description: VIOLATIONS OF CABLE SEPARATION (326 UNCLASSIFIED DEVIATIONS, 34 OF WHICH WERE REPORTED IN I.b.2) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: I/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
I.b-092	1	ISAP I.b.1 REV.1, I.b.2 REV.1, I.b.4 REV.1 RESULTS REPORTS PG.19 MP-6362	TRAINING TO GENERAL SEPARATION CRITERIA	OF G.E.T. TRAINING WILL SATISFY THE COMMITMENT. THE GENERAL EMPLOYEE TRAINING (GET) COURSE WILL BE REVISED TO INCLUDE SEPARATION SENSITIZATION.	I.b-091 2323-ES-100, APP. FAX, WE- 1165, STA-720, LETTER MP-6362	CONCURRED	CPRT-1111 3/15/88 THIS COMMITMENT AND I.b-091 SUPERSEDE I.b-019

SEE COMMITMENT
 VARIANCE REL.
 #001.

ISAP I.c
 "Train C Conduit and Supports"

Finding No: E-I.c-01 Description: DISCREPANCIES RELATED TO DESIGN OF CONDUIT SUPPORTS (TMD DIRs) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
I.c-003	1 ISAP I.c RESULTS REPORT, REV.1 PG 36	ISSUANCE OF DRAWINGS WITH CUSTOM DESIGNS	IN CASES WHERE TYPICAL DRAWINGS CAN NOT BE UTILIZED FOR MODIFICATION/REPLACEMENT OF TRAIN C CONDUIT SUPPORTS, SPECIFIC DRAWINGS THAT PROVIDE CUSTOM DESIGNS ARE BEING ISSUED.	N/A	ISSUED	
I.c-008	1 ISAP I.c RESULTS REPORT, REV.1 PG 22	TAP PROGRAM TO VERIFY IMPLEMENTATION OF SCREEN LEVELS 3 AND 6.	TU ELECTRIC QA TECHNICAL AUDIT PROGRAM TO VERIFY IMPLEMENTATION OF SCREEN LEVELS 3 AND 6 AND SCREEN LEVEL PROCEDURES.	N/A	ISSUED	P1-0210-053-001, REV. 7 PARTS I THRU VII.
I.c-009	1 ISAP I.c RESULTS REPORT, REV.1 PG 10	TAP PROGRAM TO OVERVIEW IMPELLS IMPLEMENTATION OF SEISMIC QUALIFICATION PROGRAM.	IMPELL'S IMPLEMENTATION OF THE SEISMIC QUALIFICATION PROGRAM AND FUTURE DEVELOPMENT, REVISION OR USE OF PROCEDURES NOT REVIEWED BY THE THIRD PARTY WILL BE OVERVIEWED BY THE TU ELECTRIC QA TECHNICAL AUDIT PROGRAM.	N/A	ISSUED	
I.c-011	1 ISAP I.c RESULTS REPORT, REV 1 PG 34	SEISMIC QUALIFICATION OF CONDUIT SUPPORTS	DAP-IDENTIFIED ISSUES AND OTHER DESIGN RELATED ITEMS ARE SUBJECT TO REMEDIAL ACTIONS UNDER THE COMPREHENSIVE CORRECTIVE ACTION PROGRAM CONDUCTED BY TU ELECTRIC.	N/A	ISSUED	

ISAP VII.c-CABL
 "Cables"

Finding No: E-CABL-01 Description: INSUFFICIENT SLACK AT FREE AIR, TRAY-TO-COMDUIT CABLE TRANSITIONS Class: ALVERSE TREND Recom'd'n Letter: E-8,E-29

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/ Commitments	Status of CPRT Concurrence	Remarks
VII.c-CABL-021 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.41 CAR-046, REV.0	SLACK LESS THAN SPECIFIED	REVISE ES-100, EEI-7, AND QI-QP-11.3-26 TO INCLUDE ADEQUATE DEFINITION OF SLACK.	CAR-046, REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-022 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.41 CAR-046, REV.0	SLACK LESS THAN SPECIFIED	WALKDOWNS PERFORMED PER TME-FVM-EE-025. RESULTS WERE EVALUATED BY IMPELL, AND EXISTING SLACK WAS REPORTED SATISFACTORY IN REPORT-09-0210-78, DATED 5/14/87. SPEC 23.3-ES-100 AND RELATED CONSTRUCTION AND INSPECTION PROCEDURES TO BE REVISED BY 9/15/87.	CAR-046, REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-023 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.41 CAR-046, REV.0	CABLE SLACK	WALKDOWNS OF ROOM AND AREAS WILL BE PERFORMED IN ACCORDANCE WITH EC-9.11 AND NQA-3.09-7.01.	CAR-046, REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-024 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.41 CAR-046, REV.0	CABLE SLACK	CONSTRUCTION WILL VERIFY THAT ALL CABLES HAVE SUFFICIENT SLACK TO MEET ES-100 REQUIREMENT.	CAR-046, REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-047 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.41 CAR-046, REV.0	SLACK LESS THAN SPECIFIED	REVISE EEI-8 & QI-QP-11.3-28 TO ASSURE ADEQUATE SLACK AFTER TERMINATIONS.	CAR-046, REV.0	CONCURRED	QA/QC-R1-8583, 8/17/87
VII.c-CABL-048 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.41 CAR-046, REV.0	SLACK LESS THAN SPECIFIED	CABLES THAT ARE PULLED TIGHT SHALL BE RETAINED	CAR-046, REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87

ISAP VII.c CABL
 "Cables"

Finding No: E-CABL-01 Description: INSUFFICIENT SLACK AT FREE AIR, TRAY-TO-CONDUIT CABLE TRANSITIONS Class: ADVERSE TREND Re: m'd'n Letter: E-8, E-29

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-CABL-049 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.41 CAR-046, REV.0	SLACK LESS THAN SPECIFIED.	ADDITIONAL JACKETING PROTECTION SHALL BE INSTALLED WHERE BEARING POINT INDENTATIONS OCCUR DUE TO CABLES BEING PULLED TIGHT.	9-046, REV.0	CONCURRED	QA/QC-RT-10100 8/19/87
VII.c-CABL-057 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG 44 CAR 87-077, REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	REVIEW SPEC ES-100 FOR CORRECTNESS OF INSTALLATION CRITERIA FOR ALL OTHER ATTRIBUTES AND REVISE AS NECESSARY.	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87
VII.c-CABL-058 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1 PG 44 CAR 87-077, REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	REVIEW INSTALLATION INSTRUCTIONS FOR RESTATEMENT OF ES-100 INSTALLATION CRITERIA FOR PRACTICAL INSTRUCTIONS THAT INCLUDE MANUFACTURER'S DATA AND INSTALLATION CRITERIA AS WELL AS THE REQUIREMENTS FROM ANY PERTINENT CODES AND STANDARDS AND REVISE AS NEEDED.	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87
VII.c-CABL-059 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG 44 CAR 87-077 REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	FOLLOWING REVIEW AND REVISION OF ES-100 AND INSTALLATION INSTRUCTIONS, REVISE THE CORRESPONDING INSPECTION PROCEDURES AS NECESSARY.	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87
VII.c-CABL-060 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1 PG 44 CAR 87-077, REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	EVALUATE REVISIONS OF SPECIFICATION, INSTALLATION INSTRUCTIONS AND INSPECTION PROCEDURES TO IDENTIFY CONCERNS REGARDING QUALITY OF EXISTING HARDWARE AND RESOLVE CONCERNS, PERFORMING REINSPECTIONS WHERE APPROPRIATE.	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87

ISAP VII.C-CABL
 "Cables"

Finding No: E-CABL-02 Description: SEPARATION BARRIER MATERIAL (SBM) INSTALLATION VIOLATIONS Class: ADVERSE TREND Recom'd'n Letter: E-9

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.C-CABL-031 1 ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.42 CAR 87-005, REV.2	SBM INSTALLATION NOT IN ACCORDANCE WITH INSTRUCTIONS	REINSPECT EACH SEPARATION BARRIER MATERIAL INSTALLATION FOR COMPLIANCE WITH THE APPLICABLE TRAVELER AND PROCEDURES AND REMARKED OR EVALUATED AS NECESSARY.	CAR 87-005, REV.2 QA/QC-RT-8583, 8/17/87	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.C-CABL-032 1 ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, DRAFT A, PG.42 CAR 87-005, REV.2	SEPARATION BARRIER MATERIAL	AS PART OF DESIGN BASIS CONSOLIDATION PROGRAM, DEVELOP ELECTRICAL SEPARATION CRITERIA IN DND-EE-057, "ELECTRICAL SEPARATION."	CAR 87-005, REV.2	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.C-CABL-033 1 ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.42 CAR 87-005, REV.2	SEPARATION BARRIER MATERIAL	SPECIFICATION ES-100 WILL BE ISSUED TO CLARIFY SEPARATION INSTALLATION, AND INSPECTION REQUIREMENTS. DRAWING EL-1702-02, WHICH CONTAINS SEPARATION CRITERIA, WILL BE VOIDED, AS IT WILL NO LONGER BE REQUIRED.	CAR 87-005, REV.2	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.C-CABL-034 1 ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.42 CAR 87-005, REV.2	SEPARATION BARRIER MATERIAL REINSPECTION EFFECTIVENESS	VERIFY EFFECTIVENESS IN INITIAL STAGES OF RECOMMENDED REINSPECTION UNTIL PERFORMANCE IS ACCEPTABLE (INITIAL & MAINTAINED). ASPECTS TO BE EMPHASIZED INCLUDE PROCEDURES, TRAVELERS, TRAINING, SUPERVISION, INSPECTION CRITERIA, ENGINEERING SUPERVISION, & ATTENTION TO DETAIL.	CAR 87-005, REV.2 QA/QC-RT-8594 REV.1 12/21/87	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.C-CABL-035 1 ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.42, 42 CAR 87-005, REV.2	SEPARATION BARRIER MATERIAL	ISSUE DCA 17470, REV. 10, TO CLARIFY REQUIREMENTS FOR BANDING.	CAR 87-005, REV.2	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.C-CABL-037 1 ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.41	SEPARATION BARRIER MATERIAL TRAINING	TRAINING WILL BE CONDUCTED FOR ENGINEERING IN DETAILED SEPARATION REQUIREMENTS DELINEATED IN REVISED SPECIFICATION ES-100.	CAR 87-005, REV.2	CONCURRED	QA/QC-RT-8583, 8/17/87

ISAP VII.c-CABL
 "Cables"

Finding No: E-CABL-02 Description: SEPARATION BARRIER MATERIAL (SBM) INSTALLATION VIOLATIONS Class: ADVERSE TREND Recom'd'r Letter: E-9

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-CABL-038	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.41 CAR 87-005, REV.2	SEPARATION BARRIER MATERIAL INSTALLATION	WALKDOWN ALL SAFETY-RELATED RACEMAYS AND CABLES AS PART OF PCRVP.	CAR 87-005, REV.2	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-039	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.42 CAR 87-005, REV.2	SEPARATION BARRIER MATERIAL INSTALLATION	PROJECT TO REMOVE ALL INSTALLED SBM MATERIAL.	CAR 87-005, REV.2	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-050	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.42 CAR 87-005, REV.2	SEPARATION BARRIER MATERIAL	IMPLEMENT PROGRAM IN 2323-ES-100 THAT INCLUDES REVIEW OF CONSTRUCTION & INSPECTION PROCEDURES & INSTALLATION DETAIL DRAWINGS.	CAR 87-005, REV.2	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-051	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.42 CAR 87-005, REV.2	SEPARATION BARRIER MATERIAL	TU ELECTRIC REVISED 01-QP-11.3-29 TO DOCUMENT SEPARATION VIOLATIONS.	CAR 87-005, REV.2	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-052	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.35 CAR 87-005, REV.2	SBM REINSPECTION EFFECTIVENESS	INCORPORATE APPROPRIATE IMPROVEMENTS LEARNED FROM THE SBM REINSPECTION ACTIVITY IN ANY FUTURE PROGRAMS.	CAR 87-005, REV.2	N/A	QA/QC-RT-8583, 8/17/87 SUPERCEDED BY VII.c-CABL-039

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 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-CABL
 "Cables"

Finding No: E-CABL-02 Description: SEPARATION BARRIER MATERIAL (SBM) INSTALLATION VIOLATIONS Class: ADVERSE TREND Recom'd'n Letter: E-9

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-CABL-053 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.42 CAR 87-005, REV.2	SEPARATION BARRIER MATERIAL TRAINING	TRAINING WILL BE CONDUCTED FOR DRAFT IN DETAILED SEPARATION REQUIREMENTS DELINEATED IN REVISED SPECIFICATION ES-100.	CAR 87-005, REV.2	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-054 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.42 CAR 87-005, REV.2	SEPARATION BARRIER MATERIAL TRAINING	TRAINING WILL BE CONDUCTED FOR QC IN DETAILED SEPARATION REQUIREMENTS DELINEATED IN REVISED SPECIFICATION ES-100.	CAR 87-005, REV.2	CONCURRED	QA/QC-RT-8583, 8/17/87

ISAP VII.C-CABL
 "Cables"

Finding No: E-CABL-03 Description: UNINSPECTED REMOVAL OF 6.9KV CABLE JACKET AND INSULATION Class: UNCLASSIFIED TREND Recom'd'n Letter: E-10,E-29

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Comments	Status of CPRT Concurrence	Remarks
VII.C-CABL-026 1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.43 CAR-046, REV.0	UNVERIFIED 6.9 KV CABLE JACKET AND INSULATION REMOVAL	CABLE DAMAGE CRITERIA HAVE BEEN ADDED TO SPECIFICATION 2323-ES-100 (DCA 49102).	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.C-CABL-027 1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.43 CAR-046, REV.0	UNVERIFIED 6.9 KV CABLE JACKET AND INSULATION REMOVAL	CORRECTIVE ACTION FOR POWER CABLES IDENTIFIED IN FVM WILL INCLUDE QC INSPECTION BASED ON APPENDIX K TO SPECIFICATION 2323-ES-100.	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.C-CABL-029 1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.43 CAR-046, REV.0	UNVERIFIED 6.9KV CABLE JACKET AND INSULATION REMOVAL	FOR CABLES NOT IDENTIFIED IN FVM, WALKDOWN ROOMS AND AREAS IN ACCORDANCE WITH EC-9.11 AND MOA-3.09-7.01	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.C-CABL-040 1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.43 CAR 87-006, REV.1	6.9-KV CABLE JACKET AND INSULATION REMOVAL NOT VERIFIED.	REVISE QI-QP-11.3-28 FOR CLARIFICATION.	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.C-CABL-041 1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.5, 43 CAR 87-006, REV.1	6.9-KV CABLE JACKET AND INSULATION REMOVAL NOT VERIFIED.	PERFORM ENGINEERING REVIEW PER SMTU-2586.	CONCURRED	QA/QC-RT-8583, 8/17/87 THIS IS COMPLETE PER "INTRODUCTION" SECTION OF CAR-87-006.
VII.C-CABL-057 1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.44 CAR 87-077, REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	REVIEW SPEC ES-100 FOR CORRECTNESS OF INSTALLATION CRITERIA FOR ALL OTHER ATTRIBUTES AND REVISE AS NECESSARY.	CONCURRED	QA/QC-RT-10100 12/23/87

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 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII-C-CABL
 "Cables"

Finding No: E-CABL-03 Description: UNINSPECTED REMOVAL OF 6.9KV CABLE JACKET AND INSULATION Class: UNCLASSIFIED TREND Recom'd'n Letter: E-10,F-29

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII-C-CABL-058 1 ISAP VII-C RESULTS REPORT, APPENDIX 3, REV.1 PG 44 CAR 87-077, REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	REVIEW INSTALLATION INSTRUCTIONS FOR RESTATEMENT OF ES-100 INSTALLATION CRITERIA FOR PRACTICAL INSTRUCTIONS THAT INCLUDE MANUFACTURER'S DATA AND INSTALLATION CRITERIA AS WELL AS THE REQUIREMENTS FROM ANY PERTINENT CODES AND STANDARDS AND REVISE AS NEEDED.	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87
VII-C-CABL-059 1 ISAP VII-C RESULTS REPORT, APPENDIX 3, REV.1, PG 44 CAR 87-077 REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	FOLLOWING REVIEW AND REVISION OF ES-100 AND INSTALLATION INSTRUCTIONS, REVISE THE CORRESPONDING INSPECTION PROCEDURES AS NECESSARY.	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87
VII-C-CABL-060 1 ISAP VII-C RESULTS REPORT, APPENDIX 3, REV.1 PG 44 CAR 87-077, REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	EVALUATE REVISIONS OF SPECIFICATION, INSTALLATION INSTRUCTIONS AND INSPECTION PROCEDURES TO IDENTIFY CONCERNS REGARDING QUALITY OF EXISTING HARDWARE AND RESOLVE CONCERNS, PERFORMING REINSPECTIONS WHERE APPROPRIATE.	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-101-0 12/23/87

ISAP VII.C-CABL
 "Cables"

Finding No: E-CABL-04 Description: CABLE TIE-DOWN SPACING GREATER THAN SPECIFIED Class: UNCLASSIFIED TREND Recom'd'n Letter: E-23

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.C-CABL-001	1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.41 CAR 87-034, REV.0	POWER CABLE SPACING	CABLE SIZING CALCULATIONS SHOULD BE REVIEWED TO DETERMINE WHERE CABLE SPACING IS REQUIRED.	CAR 87-034, REV.0	CONCURRED	QA/QC-RT-8583, 08/17/87
VII.C-CABL-002	1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.41, 42 CAR 87-034, REV.0	CABLE TIE-DOWN SPACING	CABLE TIE-DOWN SPACING REQUIREMENTS ARE BEING EVALUATED. IF SPACING IS CHANGED, NEW REQUIREMENTS WILL BE IN SPECIFICATION 2323-ES-100.	CAR 87-034, REV.0	CONCURRED	QA/QC-RT-8583, 08/17/87
VII.C-CABL-003	1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.41, 42 CAR 87-034, REV.0	POWER CABLE SPACING	SMEC ENGINEERING WILL REVIEW CABLE CALCS FOR LEVEL 2 (480V) TO DETERMINE WHERE "MAINTAINED-SPACE" CABLES ARE REQUIRED. BASED ON THIS REVIEW, CARDS SHALL BE UPDATED TO INCLUDE FILL CALCS FOR SINGLE LAYER FILL WITH QUARTER DIAMETER SPACING OR UNSPACED DEPENDING ON CALC REQUIREMENTS. FOR LEVEL 2 TRAYS CONTAINING BOTH SPACED & RANDOM FILL CABLES, EITHER SPECIAL HANDLING PER PP-076, OR MANUAL CALCS WILL BE REQUIRED.	CAR 87-034, REV.0	CONCURRED	QA/QC-RT-8583, 08/17/87
VII.C-CABL-004	1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.41, 42 CAR 87-034, REV.0	POWER CABLE SPACING	RESULTS OF POWER CABLE SPACING REVIEWS WILL REQUIRE SPECIFIC CABLES/RACEWAY TO BE REINSPECTED TO ATTRIBUTES IN SPEC ES-100, REV. 3, APPENDIX K, IN ACCORDANCE WITH PCRPV.	CAR 87-034, REV.0	CONCURRED	QA/QC-RT-8583, 08/17/87
VII.C-CABL-007	1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV.1, PG.42 CAR 87-034, REV.0	CABLE TIE-DOWN SPACING	CABLE TIE-DOWN SPACING REQUIREMENTS WILL CALL FOR SPECIFIC CABLES/RACEWAY TO BE REINSPECTED TO ATTRIBUTES IN SPEC ES-100, REV. 3, APPENDIX K, IN ACCORDANCE WITH PCRPV.	CAR 87-034, REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87

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 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.C-CABL
 "Cables"

Finding No: E-CABL-05 Description: BEND RADIUS VIOLATIONS Class: UNCLASSIFIED TREND Recom'd'n Letter: E-1R, E-29

Commitment No. Type	Source Document	Description	Action Status	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.C-CABL-016 1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV. 1, PG. 41 CAR 87-035, REV. 0	BEND RADIUS LESS THAN SPECIFIED	FOR C7 87-5466 X HAS BEEN ISSUED TO REPLACE CABLES WITH LESS THAN MINIMUM BEND RADIUS.	CAR 87-035 REV. 0	CONCURRED	GA/QC-RT-8583, 8/17/87
VII.C-CABL-019 1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV. 1, PG. 41 CAR 87-035, REV. 0	BEND RADIUS LESS THAN SPECIFIED	SPEC TO REVIEW ALL CABLE TYPES TO ENSURE BEND RADIUS REQUIREMENTS ARE INCLUDED IN ES-100, WHICH WILL BE REVISED.	CAR 87-035, REV. 0	CONCURRED	GA/QC-RT-8583, 8/17/87
VII.C-CABL-020 1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV. 1, PG. 41 CAR 87-035, REV. 0	BEND RADIUS LESS THAN SPECIFIED	PERFORM REINSPECTION IN ACCORDANCE WITH EC-9.04 (PC-NVP).	CAR 87-035, REV. 0	CONCURRED	GA/QC-RT-8583, 8/17/87
VII.C-CABL-045 1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV. 1, PG. 41 CAR 87-035, REV. 0	BEND RADIUS-LESS THAN SPECIFIED	EET-7 AND EET-8 WILL BE REVISED TO REFERENCE ES-100.	CAR 87-035, REV. 0	CONCURRED	GA/QC-RT-8583, 8/17/87
VII.C-CABL-046 1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV. 1, PG. 41 CAR 87-035, REV. 0	BEND RADIUS LESS THAN SPECIFIED	Q1-QP-11.3-26 AND Q1-QP-17.3-28 WILL BE REVISED TO INCLUDE INSPECTION CRITERIA OF ES-100.	CAR 87-035, REV. 0	CONCURRED	GA/QC-RT-8583, 8/17/87
VII.C-CABL-057 1	ISAP VII.C RESULTS REPORT, APPENDIX 3, REV. 1, PG. 44 CAR 87-077, REV. 0	CABLE INSTALLATION GENERIC IMPLICATIONS	REVISED SPEC ES-100 FOR CORRECTNESS OF INSTALLATION CRITERIA FOR ALL OTHER ATTRIBUTES AND REVISE AS NECESSARY.	CAR 87-077, REV. 0	CONCURRED	GA/QC-RT-10100, 12/23/87

FOR INFORMATION ONLY - DATA SUBJECT TO UPDATE WITHOUT NOTICE
 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-CABL
 "Cables"

Finding No: E-CASL-05 Description: BEND RADIUS VIOLATIONS Class: UNCLASSIFIED TREND Record'n Letter: E-19, E-29

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-CABL-05B	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1 PG 44 CAR 87-077, REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	REVIEW INSTALLATION INSTRUCTIONS FOR RESTATEMENT OF ES-100 INSTALLATION CRITERIA FOR PRACTICAL INSTRUCTIONS THAT INCLUDE MANUFACTURER'S DATA AND INSTALLATION CRITERIA AS WELL AS THE REQUIREMENTS FROM ANY PERTINENT CODES AND STANDARDS AND REVISE AS NEEDED.	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87
VII.c-CABL-059	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG 44 CAR 87-077 REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	FOLLOWING REVIEW AND REVISION OF ES-100 AND INSTALLATION INSTRUCTIONS, REVISE THE CORRESPONDING INSPECTION PROCEDURES AS NECESSARY.	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87
VII.c-CABL-06C	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1 PG 44 CAR 87-077, REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	EVALUATE REVISIONS OF SPECIFICATION, INSTALLATION INSTRUCTIONS AND INSPECTION PROCEDURES TO IDENTIFY CONCERNS REGARDING QUALITY OF EXISTING HARDWARE AND RESOLVE CONCERNS, PERFORMING REINSPECTIONS WHERE APPROPRIATE.	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87

ISAP VII.c-CABL
 "Cables"

Finding No: E-CABL-06

Description: POWER CABLE SPACING

Class: UNCLASSIFIED TREND

Recom'd'n Letter: E-17,E-29

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-CABL-042	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.41, 42 CAR 87-034, REV.0	POWER CABLE SPACING	BASED ON SMEC ENGINEERING REVIEW OF CABLE CALCS FOR LEVEL 2 (480V) "MAINTAINED SPACE REQUIREMENTS", CARDS SHALL BE UPDATED TO INCLUDE FILL CALCULATIONS FOR SINGLE LAYER FILL WITH 1/4 DIA. SPACING OR UNSPACED DEPENDING ON CALC REQUIREMENTS.	CAR 87-034, REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-043	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.41,42 CAR 87-034, REV.0	POWER CABLE SPACING	FOR LEVEL 2 TRAYS CONTAINING BOTH SPACED & RANDOM FILL CABLES, EITHER SPECIAL HANDLING PER 99-076 OR MANUAL CALCULATIONS WILL BE REQUIRED.	CAR 87-034, REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-057	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG 44 CAR 87-077, REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	REVIEW SPEC ES-100 FOR CORRECTNESS OF INSTALLATION CRITERIA FOR ALL OTHER CONTRIBUTES AND REVISE AS NECESSARY.	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87
VII.c-CABL-058	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1 PG 44 CAR 87-077, REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	REVIEW INSTALLATION INSTRUCTIONS FOR RESTATEMENT OF ES-100 INSTALLATION CRITERIA FOR PRACTICAL INSTRUCTIONS THAT INCLUDE MANUFACTURER'S DATA AND INSTALLATION CRITERIA AS WELL AS THE REQUIREMENTS FROM ANY PERTINENT CODES AND STANDARDS AND REVISE AS NEEDED.	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87
VII.c-CABL-059	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG 44 CAR 87-077 REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	FOLLOWING REVIEW AND REVISION OF ES-100 AND INSTALLATION INSTRUCTIONS, REVISE THE CORRESPONDING INSPECTION PROCEDURES AS NECESSARY.	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87
VII.c-CABL-067	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1 PG 44	CABLE INSTALLATION GENERIC IMPLICATIONS	EVALUATE REVISIONS OF SPECIFICATION, INSTALLATION INSTRUCTIONS AND INSPECTION PROCEDURES TO IDENTIFY CONCERNS REGARDING	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-CABL
"Cables"

Finding No: E-CABL-06

Description: POWER CABLE SPACING

Class: UNCLASSIFIED TREND

Recom'd'n Letter: E-17,E-29

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
		CAR 87-077, REV.0		QUALITY OF EXISTING HARDWARE AND RESOLVE CONCERNS, PERFORMING REINSPECTIONS WHERE APPROPRIATE.			

ISAP VII.c-CABL
 "Cables"

Finding No: E-CABL-07 Description: LOOSE CONNECTIONS ON WEIDMULLER TERMINAL BLOCKS Class: CONSTRUCTION DEFICIENCY Recom'n Letter: E-22,E-29

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-CABL-010 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.42 CAR 87-039, REV.0	LOOSE TERMINALS (WEIDMULLER BLOCKS)	FIELD VALIDATIONS FOR THIS CAR SHALL BE PERFORMED IN ACCORDANCE WITH EC-9.04.	CAR 87-039, REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-011 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.42 CAR 87-039, REV.0	LOOSE TERMINALS (WEIDMULLER BLOCKS)	SWEC ENGINEERING WILL IDENTIFY WHERE WEIDMULLER TERMINAL BLOCKS ARE INSTALLED IN FIELD JUNCTION BOXES.	CAR 87-039, REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-012 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.42 CAR 87-039, REV.0	LOOSE TERMINALS (WEIDMULLER BLOCKS)	PROCEDURES 2E1-8 AND Q1-OP-11.3-28 HAVE BEEN REVISED TO INCLUDE APPROPRIATE REQUIREMENTS FOR WEIDMULLER TERMINAL BLOCKS.	CAR 87-039 REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-044 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.42 CAR 87-039, REV.0	LOOSE CONNECTIONS ON WEIDMULLER TERMINAL BLOCKS	SWEC ENGINEERING WILL IDENTIFY WHERE WEIDMULLER TERMINAL BLOCKS ARE INSTALLED IN VENDOR SUPPLIED EQUIPMENT.	CAR 87-039, REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-057 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.44 CAR 87-077, REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	REVIEW SPEC ES-100 FOR CORRECTNESS OF INSTALLATION CRITERIA FOR ALL OTHER ATTRIBUTES AND REVISE AS NECESSARY.	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87
VII.c-CABL-058 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1 PG.44 CAR 87-077, REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS	REVIEW INSTALLATION INSTRUCTIONS FOR RESTATEMENT OF ES-100 INSTALLATION CRITERIA FOR PRACTICAL INSTRUCTIONS THAT INCLUDE MANUFACTURER'S DATA AND INSTALLATION CRITERIA AS WELL AS THE REQUIREMENTS FROM ANY PERTINENT CODES AND STANDARDS AND REVISE AS	CAR 87-077, REV.0	CONCURRED	QA/QC-RT-10100 12/23/87

ISAP VII.c-CABL
 "Cables"

Finding No: E-CABL-07 Description: LOOSE CONNECTIONS ON WEIDMULLER TERMINAL BLOCKS Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: E-22,E-29

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/ Commitments	Status of CPRT Concurrence	Remarks
VII.c-CABL-059 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG 44 CAR 87-077 REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS NEEDED.	FOLLOWING REVIEW AND REVISION OF ES-100 AND INSTALLATION INSTRUCTIONS, REVISE THE CORRESPONDING INSPECTION PROCEDURES AS NECESSARY.	CONCURRED	0A/0C-RT-10100 12/23/87
VII.c-CABL-060 1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1 PG 44 CAR 87-077, REV.0	CABLE INSTALLATION GENERIC IMPLICATIONS EVALUATE REVISIONS OF SPECIFICATION, INSTALLATION INSTRUCTIONS AND INSPECTION PROCEDURES TO IDENTIFY CONCERNS REGARDING QUALITY OF EXISTING HARDWARE AND RESOLVE CONCERNS, PERFORMING REINSPECTIONS WHERE APPROPRIATE.	CAR 87-977, REV.0	CONCURRED	0A/0C-RT-10100 12/23/87

ISAP VII.c-CABL
 "Cables"

Finding No: E-CABL-05 Description: TERMINATION DESIGN CHANGE NOT IMPLEMENTED (WIRING NOT PER DRAWING) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: E-25

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-CABL-013 1 ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.43 CAR 87-049, REV.0	TERMINATIONS NOT IN ACCORDANCE WITH DRAWINGS	TU ELECTRIC TO EVALUATE AND REVISE THE DESIGN CONTROL PROGRAM WITH RESPECT TO ISSUANCE OF DESIGN CHANGES ON DIFFERENT DESIGN DOCUMENTS AT DIFFERENT TIMES. ALSO EVALUATE PRACTICE OF ISSUING DESIGN CHANGES BY DRAWING REVISION RATHER THAN SEPARATE DESIGN CHANGE DOCUMENTS.	CAR 87-049 REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-014 1 ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.43 CAR 87-049, REV.0	TERMINATIONS NOT IN ACCORDANCE WITH DRAWINGS	DEVELOPMENT OF PROGRAM TO ADDRESS OTHER RELATED DOCUMENTS, INCLUDING INSTRUMENT AND VENDOR WIRING.	CAR 87-049 REV.0 QA/QC-RT-8594 REV.1 12/21/87	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-015 1 ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.43 CAR 87-049, REV.0	TERMINATIONS NOT IN ACCORDANCE WITH DRAWINGS	THE LATEST VALIDATED SCHEMATIC FOR ALL CLASS TE CONTROL CIRCUITS WILL BE COMPARED TO SIGNED TEST RECORD INFORMATION. ANY PART OF THESE CIRCUITS THAT HAVE NOT BEEN TESTED WILL BE IDENTIFIED. ENGINEERING WILL DOCUMENT THESE CONTROL CIRCUITS TO STARTUP FOR TESTING.	CAR 87-049 REV.0 QA/QC-RT-8594 REV.1 12/21/87	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-016 1 ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.43 CAR 87-049, REV.0	TERMINATIONS NOT IN ACCORDANCE WITH DRAWINGS	ENGINEERING REVIEW WILL DETERMINE CLASS TE CONTROL CIRCUITS THAT WILL BE RETESTED TO LATEST VALIDATED SCHEMATICS. THIS REVIEW WILL VERIFY THAT CONTROL CIRCUITS ARE INSTALLED IN ACCORDANCE WITH DESIGN.	CAR 87-049 REV.0 QA/QC-RT-8594 REV.1 12/21/87	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CABL-017 1 ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.43 CAR 87-049, REV.0	TERMINATIONS NOT IN ACCORDANCE WITH DRAWINGS	VALIDATE ALL CLASS TE SCHEMATIC DRAWINGS TO LATEST SYSTEM LOGIC CRITERIA AS PART OF DESIGN VALIDATION PROGRAM.	CAR 87-049 REV.0 QA/QC-RT-8594 REV.1 12/21/87	CONCURRED	QA/QC-RT-8583, 8/17/87

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ISAP VII.c-CABL
 "Cables"

Finding No: E-CABL-08 Description: TERMINATION DESIGN CHANGE NOT IMPLEMENTED (WIRING NOT PER DRAWING) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: E-25

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-CABL-063	1	ISAP VII.c RESULTS REPORT, APPENDIX 3, REV.1, PG.43 CAR 87-049, REV.0	TERMINATIONS NOT IN ACCORDANCE WITH DRAWINGS	TO ELECTRIC TO EVALUATE DESIGN CONTROL PROGRAM TO CONSIDER THE WORK TRACKING ASPECTS OF CONFIGURATION CONTROL AND THE PROCEDURES TO ASSURE IMPLEMENTATION OF DESIGN CHANGES AFTER STARTUP HAS BEEN COMPLETED.	CAR 87-049, REV.0	CONCURRED	QA/QC-RT-8583 08/17/87

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ISAP VII.-C-CABL
 "Cables"

Finding No: E-CABL-09 Description: LOOSE TERMINAL SCREW ON TERMINAL BLOCK (NON-WEIDMULLER) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: E-28

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.-C-CABL-056 1	ISAP VII.-C RESULTS REPORT, APPENDIX 3, REV.1, PG 43 CAR 87-076, REV.0	LOOSE CONNECTIONS ON TERMINAL BLOCKS (CREW TYPE)	PERFORM AN EVALUATION TO ADDRESS CONCERNS REGARDING THE ADEQUACY OF THE TIGHTNESS OF FIELD CONNECTIONS ON SCREW TYPE TERMINAL BLOCKS, AND IMPLEMENT ANY FURTHER ACTIONS DETERMINED TO BE NECESSARY.	CAR 87-076, REV.0 ISAP VII.-a.9	CONCURRED	QA/QC-RT-10100 12/23/87

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ISAP VII.c-CATY
 "Cable Tray"

Finding No: E-CATY-01 Description: INEFFECTIVE SPLICE PLATE BOLTING Class: SPECIAL CASE Recom'd'n Letter: E-7

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-CATY-005 1	ISAP VII.c RESULTS IMPROPER INSTALLATION OF SPLICE PLATES	DEVELOP A TEST PROGRAM TO DETERMINE THE FAILURE THRESHOLD OF ONLY TWO EFFECTIVE BOLTS FOR ONE HALF G _r A SPLICE PLATE. EVALUATE RESULTS TO DETERMINE THRESHOLD AND DETERMINE IF FURTHER CORRECTIVE ACTION IS NECESSARY.	CAR-085X, REV.3	COCURRED	GA/QC-RT-7509, 6/19/87

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ISAP VII.c-CATY
 "Cable Tray"

Finding No: E-CATY-02 Description: ELECTRICAL SEPARATION

Class: ADVERSE TREND Recom'd'n Letter: E-12

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-CATY-007 1	ISAP VII.c RESULTS REPORT, APPENDIX 2, REV.1, PG.27 AND RACEWAYS CAR 87-005, REV.2	VERIFY ADEQUATE SEPARATION BETWEEN REDUNDANT CABLES AND RACEWAYS.	CAR 87-005, REV.2	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CATY-010 1	ISAP VII.c RESULTS REPORT, APPENDIX 2, REV.1, PG.27 AND RACEWAYS CAR 87-005, REV.2	ELECTRICAL SEPARATION BETWEEN REDUNDANT CABLES AND RACEWAYS DEVELOPED AND INCLUDED IN DESIGN BASIS DOCUMENT DBD-EE-057.	CAR 87-005, REV.2	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CATY-021 1	ISAP VII.c RESULTS REPORT, APPENDIX 2, REV.1, PG.27 AND RACEWAYS CAR 87-005, REV.2	CONSTRUCTION INSPECTION PROCEDURES AND INSTALLATION DRAWINGS HAVE BEEN REVISED TO PROVIDE CONSISTENT SET OF CRITERIA FOR INSTALLATION AND INSPECTION.	CAR 87-005, REV.2	CONCURRED	QA/QC-RT-8583 8/17/87

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-CATY
"Cable Tray"

Finding No: E-CATY-03

Description: EXCESSIVE CABLE TRAY RUNG SPACING

Class: SPECIAL CASE

Recom'd'n Letter: E-15

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-CATY-011	1	ISAP VII.c RESULTS REPORT, APPENDIX 2, REV.1, PG.27 CAR 87-032, REV.0	RUNG SPACING	PERFORM TEST PROGRAM INCORPORATING DEVIATION TYPE OF EXCESSIVE RUNG SPACING TO DETERMINE FAILURE THRESHOLD.	CAR 87-032, REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CATY-012	1	ISAP VII.c RESULTS REPORT, APPENDIX 2, REV.1, PG.27 CAR 87-031, REV.0	RUNG SPACING	REPLACE TIW AND TIW FITTINGS AS RESULT OF FAILURE IN CAR-87-031. (DCA 25066)	CAR 87-031, REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87
VII.c-CATY-014	1	ISAP VII.c RESULTS REPORT, APPENDIX 2, REV.1, PG.27 CAR 87-032, REV.0	RUNG SPACING	PERFORM ENGINEERING WALKDOWN FOR SPLICE PLATES NOT BEING REPLACED.	CAR 87-032 REV.0	CONCURRED	QA/QC-RT-8583, 8/17/87

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ISAP VII.c-CATY
 "Cable Tray"

Finding No: E-CATY-04 Description: MISSING WELDS

Class: ADVERSE TREND Recom'd'n Letter: E-14

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Comments	Status of CPRT Concurrence	Remarks
VII.c-CATY-015 1 ISAP VII.c RESULTS REPORT, APPENDIX 2, REV.1, PG.27 CAR 87-031, REV.0	MISSING WELDS	ISSUE ECE-5,10-13 TO ESTABLISH ENGINEERING REQUIREMENTS FOR DETERMINATION OF BACKFIT DCAs.	CAR 87-031 REV.0	CONCURRED	QA/QC-RT-8583 8/17/87
VII.c-CATY-016 1 ISAP VII.c RESULTS REPORT, APPENDIX 2, REV.1, PG.27 CAR 87-031, REV.0	MISSING WELDS	PERFORM WALKDOWNS AS FOLLOWS: FVM-CS-019 AND -048 FOR ADEQUACY OF Y FITTINGS, REDUCER FITTINGS, AND HORIZONTAL FLAT BEND FITTINGS.	CAR 87-031 REV.0	CONCURRED	QA/QC-RT-8583 8/17/87
VII.c-CATY-017 1 ISAP VII.c RESULTS REPORT, APPENDIX 2, REV.1, PG.26 CAR 87-031, REV.0	MISSING WELDS	PERFORM DESIGN ADEQUACY ANALYSIS FOR CONFIGURATIONS NOT BEING QUALIFIED UNDER OTHER PROGRAM.	CAR 87-031 REV.0	CONCURRED	QA/QC-RT-8583 8/17/87
VII.c-CATY-018 1 ISAP VII.c RESULTS REPORT, APPENDIX 2, REV.1, PG.26 CAR 87-031, REV.0	MISSING WELDS	REVIEW 1700 SERIES DRAWINGS AND DCAs TO IDENTIFY FITTINGS REQUIRING WELDING OR INVOLVING CHANGES.	CAR 87-031 REV.0	CONCURRED	QA/QC-RT-8583 8/17/87

ISAP VII.c-CDUT
 "Conduit"

Finding No: E-CDUT-01 Description: LOOSE UNIONS Class: ADVERSE TREND Recom'd'n Letter: E-4

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-CDUT-006 1	ISAP VII.c RESULTS REPORT, APPENDIX 1, REV.1, PG.21 CAR 87-002, REV.0	LOOSE UNIONS	REVISE CONSTRUCTION PROCEDURE 35-1195-ECP-19 TO REQUIRE UNIONS TO BE WRENCH-TIGHT. REVIEW CONSTRUCTION PROCEDURE FOR INCLUSION OF WORKMANSHIP PRACTICES THAT SHOULD BE INSPECTED TO ASSURE ACCEPTABLE INSTALLATION. FOLLOWING REVIEW, REVISE PROCEDURE AS NECESSARY.	35-1195-ECP-19 CAR 87-002, REV.0	CONCURRED	QA/QC-RT-8314 7/30/87
VII.c-CDUT-007 1	ISAP VII.c RESULTS REPORT, APPENDIX 1, REV.1, PG.7, 14, 20, 21 CAR 87-002 REV.0	LOOSE UNIONS	REVISE INSPECTION PROCEDURE Q1-QP-11.3-23 TO REQUIRE UNIONS TO BE WRENCH-TIGHT.	Q1-QP-11.3-23, ECP-19 CAR 87-002 REV.0	CONCURRED	QA/QC-RT-8314 7/30/87
VII.c-CDUT-008 1	ISAP VII.c RESULTS REPORT, APPENDIX 1, REV.1, PG.21 CAR 87-002, REV.0	LOOSE UNIONS	100% INSPECTION OF CONDUITS WITH UNIONS AND A WALKDOWN OF CONDUITS GREATER THAN 2 INCHES IN DIAMETER ON WELD, COMMUNICATIONS, SECURITY AND SAFETY RADIATION MONITORING SYSTEM DEVICES.	CAR 87-002, REV.0	CONCURRED	QA/QC-RT-8314 7/30/87

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ISAP VII.c-CDUT
 "Conduit"

Finding No: E-CDUT-02 Description: INSUFFICIENT SLACK IN FLEXIBLE CONDUIT SHAKESPACES Class: ADVERSE TREND Recom'd'n Letter: E-5

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-CDUT-001 1	ISAP VII.c RESULTS REPORT, APPENDIX 1, REV.1, PG.21 CAR 87-003 REV.1	INSUFFICIENT SLACK IN FLEXIBLE CONDUIT IN SHAKE SPACES	EVALUATE EXISTING SLACK IN BUILDING-TO-BUILDING SHAKE SPACES.	CAR 87-003 REV.1	CONCURRED	QA/QC-RT-8583 8/17/87
VII.c-CDUT-002 1	ISAP VII.c RESULTS REPORT, APPENDIX 1, REV.1, PG.22 CAR 87-003, REV.1	INSUFFICIENT SLACK IN FLEXIBLE CONDUIT IN SHAKE SPACES	REVISE ES-100.	CAR 87-003 REV.1	CONCURRED	QA/QC-RT-8583 8/17/87
VII.c-CDUT-003 1	ISAP VII.c RESULTS REPORT, APPENDIX 1, REV.1, PG.22 CAR 87-003, REV.1	INSUFFICIENT SLACK IN FLEXIBLE CONDUIT IN SHAKE SPACES	INITIATE DCA FOR 2323-EL-1702 TO MEASURE SLACK.	CAR 87-003, REV.1	CONCURRED	QA/QC-RT-8583 8/17/87

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ISAP VII.C-CDUT
 "Conduit"

Finding No: E-CDUT-03 Description: ELECTRICAL SEPARATION

Class: ADVERSE TREND Recom'd'n Letter: E-12

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.C-CDUT-004 1	ISAP VII.C RESULTS REPORT, APPENDIX 1, REV.1, PG.22	ELECTRICAL SEPARATION VIOLATIONS	REINSPECT FOR SEPARATION CRITERIA.	CAR 87-005, REV.2	CONCURRED QA/QC-RT-8583 8/17/87
			CAR 87-005, REV.2		

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ISAP VII.-c-CDUT
 "Conduit"

Finding No: E-CDUT-04 Description: MISSING BUSHINGS Class: ADVERSE TREND Recom'd'n Letter: E-13

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.-c-CDUT-005 1	ISAP VII.-c RESULTS REPORT, APPENDIX 1, REV.1, PG.21 CAR 87-030, REV.0	MISSING BUSHINGS	(RESULTS REPORT) SAFETY-RELATED LIGHTING CONDUIT ENDS SHOULD BE INSPECTED FOR PRESENCE OF BUSHINGS. [CAR] DECLASSIFY DC LIGHTING. BUSHINGS WILL BE REVIEWED AS PART OF LIGHTING REMORK.	CAR 87-030, REV.0	CONCURRED	QA/QC-RT-86-75 8/22/87

ISAP VII-C-CDUT
 "Conduit"

Finding No: E-CDUT-05 Description: DAMAGED FLEXIBLE CONDUIT

Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: E-27

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII-C-CDUT-009 1 ISAP VII-C RESULTS REPORT, APPENDIX 1, REV.1, PG.22	DAMAGED FLEXIBLE CONDUIT	DAMAGED FLEX CONDUIT - WALKDOWN AREAS PRIOR TO AREA TURNOVER TO IDENTIFY DAMAGE INCURRED DURING CONSTRUCTION. ENSURE APPROPRIATE INSPECTION PROCEDURES ARE IN EFFECT FOR CONSTRUCTION AND OPERATIONS AND EMPHASIS IS PLACED ON COMPONENTS SUSCEPTIBLE TO DAMAGE. * SEE APPENDIX 6 TO ISAP VII-C.	CAR 87-038, REV.1 CAR-096K, REV.2	CONCURRED	CPRT-1131 05/03/88 08/08-RT-10:00 12/23/87
CAR 87-038 REV.1					
CAR-096K, REV.2					

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-EEIN
"Electrical Equipment Installation"

Finding No: E-EEIN-01 Description: DAMAGE/CRACKED INSULATOR Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: E-3

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-EEIN-007	2	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.27 CAR-095X, REV.1	DAMAGED PORCELAIN INSULATOR	SPEC ES-100 HAS BEEN REVISED TO INCLUDE INSTRUCTION TO CONSULT VENDOR MANUALS FOR SPECIFIC TORQUE VALUES. SPEC HAS ALSO BEEN REVISED TO INCLUDE STANDARD BOLT TORQUE VALUES FOR FERROUS AND NON-FERROUS APPLICATIONS WHERE MANUFACTURER MAKES NO RECOMMENDATIONS.	CAR-095X, REV.1	CONCURRED	QA/QC-RT-8583 8/17/87
VII.c-EEIN-008	2	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.27 CAR-095X, REV.1	DAMAGED PORCELAIN INSULATOR	TORQUE REQUIREMENTS WERE ADDED TO VENDOR DRAWING.	CAR-095X, REV.1	CONCURRED	QA/QC-RT-8583 8/17/87
VII.c-EEIN-010	1	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.26 CAR-095X, REV.1	DAMAGED PORCELAIN INSULATOR	DAMAGED PORCELAIN INSULATOR: REPLACE DAMAGED INSULATORS IN ACCORDANCE WITH NCR 86-0412, REISSUED AS NCR CE-86-00056. THIS SCOPE INCLUDES UNIT 1 CLASS-1E AND UNIT 1 AND 2 NON-CLASS-1E INSULATORS.	CAR-095X, REV.1	CONCURRED	QA/QC-RT-8583 8/17/87
VII.c-EEIN-011	1	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.26 CAR 87-060 REV.0	DAMAGED PORCELAIN INSULATOR	DAMAGED PORCELAIN INSULATOR: TUGCO EVALUATE TRAVELERS FOR SIMILAR MISAPPLICATION OF DESIGN DATA. CAR STATES: UNIT 1 AND K&N-1E INSULATORS REQUIRED REPLACEMENT. UNIT 2 CLASS-1E INSULATORS WERE TORQUED TO 20 FT-LBS, AND THEREFORE DO NOT REQUIRE REWORK.	CAR 87-060, REV.0 CAR-095X, REV.1	CONCURRED	QA/QC-RT-10100 12/23/87
VII.c-EEIN-012	1	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.26 CAR-095X, REV.1	DAMAGED PORCELAIN INSULATOR	CLOSURE OF NCR CE-86-00056 WILL COMPLETE THIS CORRECTIVE ACTION REQUEST. (NCR CE-86-00056 REPLACES DAMAGED INSULATOR.)	CAR-095X, REV.1	CONCURRED	QA/QC-RT-8583 8/17/87
VII.c-EEIN-013	1	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.26 CAR-095X, REV.1	DAMAGED PORCELAIN INSULATOR	EVALUATION OF PREPARATION AND APPROVAL CYCLE OF TRAVELERS WILL BE DONE IN ACCORDANCE WITH CAR-87-060.	CAR-095X, REV.1 CAR 87-060, REV.0	CONCURRED	QA/QC-RT-8583 8/17/87

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ISAP VII.C-EEIN
 "Electrical Equipment Installation"

Finding No: E-EEIN-02 Description: INCORRECT RELAY TYPE Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: E-19

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.-C-EEIN-002 1	ISAP VII.-C RESULTS REPORT, APPENDIX 6, REV.1, PG.28 CAR 87-036 REV.1	INCORRECT RELAY TYPE	TU ELECTRIC EVALUATE & REVISE DESIGN CONTROL & CONFIGURATI CONTROL PROGRAM WITH RESPECT TO IDENTIFYING & TRACKING REQUIRED MODIFICATIONS, INCORPORATION OF AS-BUILT INFORMATION & WITH PARTICULAR EMPHASIS ON MODIFICATIONS TO EQUIPMENT THAT HAS PREVIOUSLY BEEN TESTED OR ACCEPTED.	CAR 87-036, REV.1 VII.-C-EEIN-001, QA/QC-RT-8583, REV.1 12/21/87	CONCURRED	QA/QC-RT-8583 8/17/87
VII.-C-EEIN-004 1	ISAP VII.-C RESULTS REPORT, APPENDIX 6, REV.1, PG.27-28 CAR 87-036 REV.1	INCORRECT RELAY TYPE	RELAYS: COMPLETE VERIFICATION OF YORK ELECTRIC PANELS WILL BE PERFORMED THROUGH PCRWV.	CAR 87-036, REV.1	CONCURRED	QA/QC-RT-8583 8/17/87
VII.-C-EEIN-005 1	ISAP VII.-C RESULTS REPORT, APPENDIX 6, REV.1, PG.28 CAR 87-036 REV.1	INCORRECT RELAY TYPE	TU ELECTRIC EVALUATE AND REVISE AS NECESSARY DESIGN CONTROL PROGRAM AND CONFIGURATION CONTROL PROGRAM WITH REGARD TO PROVISION AND REVISION OF DUPLICATE INFORMATION ON DIFFERENT SETS OF DRAWINGS WITH PARTICULAR EMPHASIS ON INFORMATION USED IN OPERATION OF PLANT.	CAR 87-036, REV.1 VII.-C-EEIN-001, QA/QC-RT-8594, REV.1 12/21/87	CONCURRED	QA/QC-RT-8583 8/17/87
VII.-C-EEIN-027 1	ISAP VII.-C RESULTS REPORT, APPENDIX 6, REV.1, PG.28 CAR 87-036, REV.1	INCORRECT RELAY TYPE	RELAYS: DOCUMENT REVIEW WILL BE PERFORMED ON ALL MODIFICATIONS RELATED TO YORK PANELS TO IDENTIFY ANY RELAYS THAT WERE REPLACED AND REASON FOR REPLACEMENT.	CAR 87-036, REV.1	CONCURRED	QA/QC-RT-8583 8/17/87
VII.-C-EEIN-028 1	ISAP VII.-C RESULTS REPORT, APPENDIX 6, REV.1, PG.28 CAR 87-036, REV.1	INCORRECT RELAY TYPE	CORRECTIVE ACTION WILL BE THAT INCORRECT RELAY CITED IN THIS CAR WILL BE CORRECTED BY MCR E86-103500X-R2.	CAR 87-036 REV.1	CONCURRED	QA/QC-RT-8583 8/17/87
VII.-C-EEIN-036 1	ISAP VII.-C RESULTS REPORT, APPENDIX 6, REV.1, PG.28	INCORRECT FUSE SIZE	TU ELECTRIC EVALUATE AND REVISE AS NECESSARY DESIGN CONTROL PROGRAM WITH RESPECT TO PROVISION AND REVISION OF DUPLICATE INFORMATION ON DIFFERENT SETS OF DRAWINGS	CAR 87-037, REV.0	CONCURRED	QA/QC-RT-8675 08/22/87

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ISAP VII.-c-EE1M
 "Electrical Equipment Installation"

Finding No: E-EE1M-02 Description: INCORRECT RELAY TYPE

Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: E-19

Commitment No. Type Source Document	Description	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.-c-EE1M-037 1	ISAP VII.-c RESULTS INCORRECT FUSE SIZE REPORT, APPENDIX 6, REV.1, PG.28		<p>WITH PARTICULAR EMPHASIS PLACED ON INFORMATION USED IN OPERATION OF THE PLANT.</p> <p>TU ELECTRIC EVALUATE AND REVISE, AS NECESSARY, THE DESIGN CONTROL AND CONFIGURATION CONTROL PROGRAM WITH RESPECT TO IDENTIFYING AND TRACKING REQUIRED MODIFICATIONS, INCORPORATION OF AS-BUILT INFORMATION, AND WITH PARTICULAR EMPHASIS ON MODIFICATIONS TO EQUIPMENT THAT HAS PREVIOUSLY BEEN TESTED OR ACCEPTED.</p>	CAR 87-037, REV.0	CONCURRED	QA/DC-RT-8675, 08/22/87

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ISAP VII.c-EEIM
 "Electrical Equipment Installation"

Finding No: E-EEIM-03 Description: INCORRECT FUSE SIZE (2 CDS) Class: CONSTRUCTION DEFICIENCY Recommendation Letter: E-26

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-EEIM-001 1	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.28 CAR 87-037, REV.0	INCORRECT FUSE SIZE	FUSES: IN ACCORDANCE WITH PROJECT PROCEDURE PP-200, "DESIGN BASIS CONSOLIDATION PROGRAM," A SET OF CONSISTENT, CONSOLIDATED DESIGN DOCUMENTATION WILL BE PRODUCED.	CAR 87-037 REV.0	CONCURRED	QA/QC-RT-8675 8/22/87
VII.c-EEIM-002 1	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.28 CAR 87-036 REV.1	INCORRECT RELAY TYPE	TU ELECTRIC EVALUATE & REVISE DESIGN CONTROL & CONFIGURATN CONTROL PROGRAM WITH RESPECT TO IDENTIFYING & TRACKING REQUIRED MODIFICATIONS, INCORPORATION OF AS-BUILT INFORMATION & WITH PARTICULAR EMPHASIS ON MODIFICATIONS TO EQUIPMENT THAT HAS PREVIOUSLY BEEN TESTED OR ACCEPTED.	CAR 87-036, REV.1 VII.c-EEIM-001, QA/QC-RT-8594 REV.1 12/21/87	CONCURRED	QA/QC-RT-8583 8/17/87
VII.c-EEIM-003 1	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.28 CAR 87-037 REV.0	INCORRECT FUSE SIZE	FUSES: TUG REVISE STATION TAGGING PROCEDURE WITH RESPECT TO REMOVAL AND REPLACEMENT OF FUSES.	CAR 87-037, REV.0	CONCURRED	QA/QC-RT-8675 8/22/87
VII.c-EEIM-006 1	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.28 CAR 87-037, REV.0	INCORRECT FUSE SIZE	IN ALL DRAWINGS WHERE REVISIONS HAVE ALTERED FUSE SIZES, REINSPECTION AND/OR ENGINEERING WALKDOWN PER PCRPV SHALL BE IMPLEMENTED FOR AFFECTED EQUIPMENT TO VERIFY SIZE OF FUSE INSTALLED.	CAR 87-037, REV.0	CONCURRED	QA/QC-RT-8675 8/22/87
VII.c-EEIM-026 1	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.27 CAR 87-037, REV.0	INCORRECT FUSE SIZE	FUSES: SURE DBCP WILL IDENTIFY AND REVIEW ALL DESIGN DRAWINGS THAT HAVE AND/OR ARE ASSOCIATED WITH FUSES. ANY DISCREPANCIES SHALL BE DOCUMENTED AND CORRECTED TO ENSURE THAT ALL DESIGN DOCUMENTS AGREE AS TO FUSE SIZE AND TYPE.	CAR 87-037, REV.0	CONCURRED	QA/QC-RT-8583 8/17/87
VII.c-EEIM-036 1	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.28	INCORRECT FUSE SIZE	TU ELECTRIC EVALUATE AND REVISE AS NECESSARY DESIGN CONTROL PROGRAM WITH RESPECT TO PROVISION AND REVISION OF DUPLICATE	CAR 87-037, REV.0	CONCURRED	QA/QC-RT-8675 08/22/87

ISAP VII-C-EEIM
 "Electrical Equipment Installation"

Finding No: E-EEIM-03 Description: INCORRECT FUSE SIZE (2 CDS) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: E-20

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrency	Remarks
VII-C-EEIM-037 1	ISAP VII.C RESULTS REPORT, APPENDIX 6, REV.1, PG.28 CAR 87-037, REV.0	INCORRECT FUSE SIZE	<p>TO ELECTRIC EVALUATE AND REVISE, AS NECESSARY, THE DESIGN CONTROL AND CONFIGURATION CONTROL PROGRAM WITH RESPECT TO IDENTIFYING AND TRACKING REQUIRED MODIFICATIONS, INCORPORATION OF AS-BUILT INFORMATION, AND WITH PARTICULAR EMPHASIS ON MODIFICATIONS TO EQUIPMENT THAT HAS PREVIOUSLY BEEN TESTED OR ACCEPTED.</p> <p>WITH PARTICULAR EMPHASIS PLACED ON INFORMATION USED IN OPERATION OF THE PLANT.</p>	CAR 87-037, REV.0	COMPLETED	QA/DC-RT-8675, 08/22/87

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ISAP VII.c-EEIM
 "Electrical Equipment Installation"

Finding No: E-EEIM-04 Description: INCIDENTAL DAMAGE OF AN ELECTRICAL CONDUCTOR SEAL ASSEMBLY (ECSA) AT A SOLENOID OPERATED VALVE (SOV)
 Class: ADVERSE TREND Status of CPRT: CONCURRED Recommend'n Letter: E-2

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-EEIM-019 1	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.28 CAR 87-04B, REV.0	INCORRECT REASSEMBLY AND DAMAGE	ELECTRICAL/MECHANICAL EQUIPMENT WITH ELECTRICAL ENCLOSURES WILL BE WALKED DOWN FOR DEFICIENCIES ON DOORS, COVERS, GASKETS, VAPOR BARRIERS, AND ASSOCIATED HARDWARE IN ACCORDANCE WITH PCRWV.	CAR 87-04B, REV.0	CONCURRED	QA/QC-RT-8675 8/22/87
VII.c-EEIM-022 1	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.27 CAR-094X, REV.2, SMTU 2728	DAMAGED ELECTRICAL CONDUCTOR SEAL ASSEMBLY	DAMAGED ENVIRONMENTALLY-SEALED EQUIPMENT: IMPLEMENT PROGRAM TO EVALUATE DESIGN, LOCATION, AND CONFIGURATION OF FLEXIBLE CONDUIT AND ELECTRICAL CONDUCTOR SEAL ASSEMBLIES.	CAR-094X, REV.2	CONCURRED	QA/QC-RT-10100 12/23/87
VII.c-EEIM-025 1	ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.27 CAR-094X, REV.2	DAMAGED ELECTRICAL CONDUCTOR SEAL ASSEMBLY	WALKDOWN OF ALL UNIT 1 ECSAs WITH INBOARD FLEX CONDUIT WAS PERFORMED AS PART OF CPE-FW-EE-022 BETWEEN JANUARY AND MARCH 1987.	CAR-094X REV.2	CONCURRED	QA/QC-RT-10100 12/23/87

ISAP VII.c-EEIN
 "Electrical Equipment Installation"

Finding No: E-EEIN-05 Description: INCORRECT REASSEMBLY AND DAMAGE OF DOORS AND SIMILAR OR RELATED HARDWARE AND GASKETS Class: UNCLASSIFIED TREND Recom'd'n Letter: E-24

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-EEIN-014 1 ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.26 CAR 87-038, REV.1	INCORRECT REASSEMBLY	WALKDOWN OF SYSTEMS AND SUBSYSTEMS PRIOR TO CONSTRUCTION TURNOVER WILL BE PERFORMED (QI-QP-11.3-40)	CAR 87-038 REV.1	CONCURRED	QA/QC-RT-8583 8/17/87
VII.c-EEIN-017 1 ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.26 CAR 87-048, REV.0	INCORRECT REASSEMBLY	ELECTRICAL EQUIPMENT CURRENTLY IDENTIFIED AS HAVING DOOR CLOSURES THAT ARE DEFICIENT WILL BE REPAIR-ED.	CAR 87-048, REV.0, FOR E56-100814X, CE87-2009X, E85-1017545X81, CE87-5049X, E85-1020475X81, AND CUR 87-2006	CONCURRED	QA/QC-RT-8675 8/22/87
VII.c-EEIN-018 1 ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.27 CAR 87-048, REV.0	INCORRECT REASSEMBLY AND DAMAGE	PLANT OPERATIONS PROCEDURE FOR HOUSEKEEPING (STA-607) TO BE REVIEWED AND REVISED AS NECESSARY TO INCLUDE DIRECTION TO REVIEW ELECTRICAL EQUIPMENT FOR PROPER SEALING CHARACTERISTIC AFTER COMPLETION OF ROUTINE MAINTENANCE IN EQUIPMENT OR SURROUNDING AREA.	CAR 87-048, REV.0	CONCURRED	QA/QC-RT-8675 8/22/87
VII.c-EEIN-019 1 ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.28 CAR 87-048, REV.0	INCORRECT REASSEMBLY AND DAMAGE	ELECTRICAL/MECHANICAL EQUIPMENT WITH ELECTRICAL ENCLOSURES WILL BE WALKED DOWN FOR DEFICIENCIES ON DOORS, COVERS, GASKETS, VAPOR BARRIERS, AND ASSOCIATED HARDWARE IN ACCORDANCE WITH PCRPV.	CAR 87-048, REV.0	CONCURRED	QA/QC-RT-8675 8/22/87
VII.c-EEIN-020 1 ISAP VII.c RESULTS REPORT, APPENDIX 6, REV.1, PG.27 CAR 87-048, REV.0	INCORRECT REASSEMBLY AND DAMAGE	CONSTRUCT QUALITY PROCEDURES IN PREPARATION FOR FUTURE WALKDOWNS TO BE PERFORMED FOR OPERATIONS, QC, ENGINEERING, AND OPERATIONS FOR FINAL AREA & SYSTEM ACCEPTANCE. PROCEDURES TO BE REVIEWED TO ENSURE THAT THEY INCLUDE ADMINISTRATIVE CONTROLS THAT REQUIRE RESTORATION OF ELECTRICAL CABINET INTEGRITY BEFORE EQUIPMENT ACCEPTANCE.	CAR 87-048, REV.0	CONCURRED	QA/QC-RT-8675 8/22/87

ISAP VII.C-EE1M
 "Electrical Equipment Installation"

Finding No: E-EE1M-05 Description: INCORRECT REASSEMBLY AND DAMAGE OF DOORS AND SIMILAR OR RELATED HARDWARE AND GASKETS Class: UNCLASSIFIED TREND Recom'd'n Letter: E-24

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.C-EE1M-021	1	ISAP VII.C RESULTS REPORT, APPENDIX 6, REV.1, PG.27 CAR 87-048, REV.0	INCORRECT REASSEMBLY AND DAMAGE	TU TO EVALUATE PLANT OPERATION & MAINTENANCE PROGRAMS. PROGRAMS MUST INCLUDE PROVISIONS FOR ADEQUATE REASSEMBLY/RE-CLOSURE DETAILS & BOLTING REQUIREMENTS IN OPERATION, SURVEILLANCE, & MAINTENANCE PROCEDURES INVOLVING OPENING/DISASSEMBLY/CLOSING/REASSEMBLY OF EQUIPMENT OR COMPONENTS, HOUSINGS, OR DOORS. FURTHER EVALUATION IS RECOMMENDED TO DETERMINE ADEQUACY OF HOUSEKEEPING, TESTING, AND MAINTENANCE PROCEDURES RELATIVE TO THIS UNCLASSIFIED TREND.	CAR 87-048, REV.0	CONCURRED	QA/QC-RT-8675 8/22/87
VII.C-EE1M-030	3	ISAP VII.C RESULTS REPORT, APPENDIX 6, REV.1, PG.22 CAR 87-048 REV.0	INCORRECT REASSEMBLY AND DAMAGE		CAR 87-048, REV.0	N/A	*INCORRECT REASSEMBLY AND DAMAGE PERTAINS TO REASSEMBLY OF DOORS AND SIMILAR OR RELATED HARDWARE AND GASKETS.
VII.C-EE1M-033	1	ISAP VII.C RESULTS REPORT, APPENDIX 6, REV.1, PG.26 CAR 87-038, REV.1	INCORRECT REASSEMBLY AND DAMAGE (LOOSE SOLENOID HOUSING)	WALKDOWN OF SYSTEMS AND SUBSYSTEMS PRIOR TO CONSTRUCTION TURNOVER WILL BE PERFORMED. (STA-802)	CAR 87-038 REV.1	CONCURRED	QA/QC-RT-8583 8/17/87
VII.C-EE1M-034	1	ISAP VII.C RESULTS REPORT, APPENDIX 6, REV.1, PG. 26 CAR 87-038, REV.1	INCORRECT REASSEMBLY AND DAMAGE (LOOSE SOLENOID HOUSING)	WALKDOWNS OF ROOM AND AREA WILL BE PERFORMED IN ACCORDANCE WITH EC-9.11.	CAR 87-038 REV.1	CONCURRED	QA/QC-RT-8583 8/17/87

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ISAP VII.-C-EEIM
 "Electrical Equipment Installation"
 Finding No: E-EEIM-06 Description: DAMAGED SOLENOID OPERATED VALVE (LOOSE HOUSING) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: E-21

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPMF Concurrence	Remarks
VII.-C-EEIM-014	1	ISAP VII.-C RESULTS REPORT, APPENDIX 6, REV.1, PG.26 CAR 87-038, REV.1	INCORRECT REASSEMBLY	WALKDOWN OF SYSTEMS AND SUBSYSTEMS PRIOR TO CONSTRUCTION TURNOVER WILL BE PERFORMED (QI-SP-11.3-40)	CAR 87-038 REV.1	CONCURRED	QA/QC-RT-8583 8/17/87
VII.-C-EEIM-015	1	ISAP VII.-C RESULTS REPORT, APPENDIX 6, REV.1, PG.26 CAR 87-038, REV.1	DAMAGED SOLENOID OPERATED VALVE	PERFORM FIELD VERIFICATION FOR DAMAGED SOV HOUSING. ATTRIBUTE TO BE CHECKED DURING POST-CONSTRUCTION HARDWARE VALIDATION PROGRAM (PCNVP).	CAR 87-038, REV.1	CONCURRED	QA/QC-RT-8583 8/17/87
VII.-C-EEIM-018	1	ISAP VII.-C RESULTS REPORT, APPENDIX 6, REV.1, PG.27 CAR 87-048, REV.0	INCORRECT REASSEMBLY AND DAMAGE	PLANT OPERATIONS PROCEDURE FOR HOUSEKEEPING (STA-607) TO BE REVIEWED AND REVISED AS NECESSARY TO INCLUDE DIRECTION TO REVIFY ELECTRICAL EQUIPMENT FOR PROPER SEALING CHARACTERISTIC AFTER COMPLETION OF ROUTINE MAINTENANCE IN EQUIPMENT OR SURROUNDING AREA.	CAR 87-048, REV.0	CONCURRED	QA/QC-RT-8675 8/22/87
VII.-C-EEIM-019	1	ISAP VII.-C RESULTS REPORT, APPENDIX 6, REV.1, PG.28 CAR 87-048, REV.0	INCORRECT REASSEMBLY AND DAMAGE	ELECTRICAL/MECHANICAL EQUIPMENT WITH ELECTRICAL ENCLOSURES WILL BE WALKED DOWN FOR DEFICIENCIES ON DOORS, COVERS, GASKETS, VAPOR BARRIERS, AND ASSOCIATED HARDWARE IN ACCORDANCE WITH PCNVP.	CAR 87-048, REV.0	CONCURRED	QA/QC-RT-8675 8/22/87
VII.-C-EEIM-020	1	ISAP VII.-C RESULTS REPORT, APPENDIX 6, REV.1, PG.27 CAR 87-048, REV.0	INCORRECT REASSEMBLY AND DAMAGE	CONSTRUCT QUALITY PROCEDURES IN PREPARATION FOR FUTURE WALKDOWNS TO BE PERFORMED BY OPERATIONS, QC, ENGINEERING, AND OTHERS FOR FINAL AREA & SYSTEM ACCEPTANCE. PROCEDURES TO BE REVIEWED TO ENSURE THAT THEY INCLUDE ADMINISTRATIVE CONTROLS THAT REQUIRE RESTORATION OF ELECTRICAL CABINET INTEGRITY BEFORE EQUIPMENT ACCEPTANCE.	CAR 87-048, REV.0	CONCURRED	QA/QC-RT-8675 8/22/87
VII.-C-EEIM-021	1	ISAP VII.-C RESULTS REPORT, APPENDIX 6, REV.1, PG.27	INCORRECT REASSEMBLY AND DAMAGE	TO EVALUATE PLANT OPERATION & MAINTENANCE PROGRAMS. PROGRAMS MUST INCLUDE PROVISIONS FOR ADEQUATE REASSEMBLY/RECLOSURE DETAILS &	CAR 87-048, REV.0	CONCURRED	QA/QC-RT-8675 8/22/87

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ISAP VII.C-EEIM
 "Electrical Equipment Installation"

Finding No: E-EEIM-06 Description: DAMAGED SOLENOID OPERATED VALVE (LOOSE HOUSING) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: E-21

Commitment No.	Type	Source Document	Description	Action Statement Summary	Related Documents/Comments	Status of CPRT Occurrence	Remarks
VII.C-EEIM-030	3	ISAP VII.C RESULTS REPORT, APPENDIX 6, REV.1, PG.22 CAR 87-048, REV.0	INCORRECT REASSEMBLY AND DAMAGE	BOLTING REQUIREMENTS IN OPERATION, SURVEILLANCE, & MAINTENANCE PROCEDURES INVOLVING OPERING/DISASSEMBLY/CLOSING/REASSEMBLY OF EQUIPMENT OR COMPONENTS, HOUSINGS, OR DOORS. FURTHER EVALUATION IS RECOMMENDED TO DETERMINE ADEQUACY OF HOUSEKEEPING, TESTING, AND MAINTENANCE PROCEDURES RELATIVE TO THIS UNCLASSIFIED ITEM.	CAR 87-048, REV.0	N/A	*INCORRECT REASSEMBLY AND DAMAGE PERTAINING TO REASSEMBLY OF DOORS AND SIMILAR OR RELATED HARDWARE AND GASKETS.
VII.C-EEIM-033	1	ISAP VII.C RESULTS REPORT, APPENDIX 6, REV.1, PG.26 CAR 87-038, REV.1	INCORRECT REASSEMBLY AND DAMAGE (LOOSE SOLENOID HOUSING)	VALVE/GAM OF SYSTEMS AND SUBSYSTEMS PRIOR TO CONSTRUCTION TURNOVER WILL BE PERFORMED. (STA-802)	CAR 87-038 REV.1	CONCURRED	2A/0C-31-8503 6/17/87
VII.C-EEIM-034	1	ISAP VII.C RESULTS REPORT, APPENDIX 6, REV.1, PG. 26 CAR 87-038, REV.1	INCORRECT REASSEMBLY AND DAMAGE (LOOSE SOLENOID HOUSING)	VALVE/GAM OF SYSTEMS AND SUBSYSTEMS WILL BE PERFORMED IN ACCORDANCE WITH EC-9.11.	CAR 87-038 REV.1	CONCURRED	2A/0C-31-8503 8/17/87

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ISAP VII.c-ININ
 "Instrumentation Equipment Installation"

Finding No: E-ININ-01 Description: RECTORSEAL THREAD SEALANT WAS USED AND SUBSEQUENTLY BECAME PROHIBITED. NO DOCUMENTATION OF REMOVAL WAS EVIDENT. (PDR-62) Class: QA/QC PROGRAM DEFICIENCY Recom'd'n Letter: E-11

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-ININ-007 1 ISAP VII.c RESULTS REPORT, APPENDIX 7, REV.1, P.19 CAR 87-007, REV.1 CAR 87-043, REV.0	UNAPPROVED THREAD SEALANT	PROJECT SHOULD EVALUATE SEALANT TO DETERMINE/DEFINE WHAT ACTIONS WERE TAKEN IN 1981 TO ASSURE REMOVAL OF RECTORSEAL. IF CONCLUSIVE EVIDENCE CANNOT BE PRODUCED ENGINEERING SHOULD CONDUCT EVALUATION TO DETERMINE ANY ADVERSE CONDITIONS THAT MAY EXIST. RESULTS OF EVALUATION TO BE ISSUED IN SMEC REPORT, RECTORSEAL #5 ANALYSIS.	CAR 87-007, REV.1 CAR 87-043, REV.0, PDR-062	CONCURRED	QA/QC-RT-8583 8/17/87

ISAP VII.c-INIM
 "Instrumentation Equipment Installation"

Finding No: E-INIM-02 Description: FLEX HOSE MISALIGNMENT (TWISTED FLEXIBLE TUBE ENDS) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: E-26

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-INIM-008	1	ISAP VII.c RESULTS REPORT, APPENDIX 7, REV.1, PG.20 CAR 87-056, REV.0	MISALIGNED FLEXIBLE HOSE	MISALIGNED FLEXIBLE HOSE: ALL FLEXIBLE METAL INSTRUMENT HOSE ASSEMBLIES BE INSPECTED TO THE MANUFACTURERS REQUIREMENTS AND CORRECTED AS NECESSARY.	CAR 87-056, REV.0	CONCURRED	REFERENCE CPE-FVM-IC-069 QA/QC-RT-10129 1/14/88
VII.c-INIM-010	1	ISAP VII.c RESULTS REPORT, APPENDIX 7, REV.1, PG 20 CAR 87-056, REV.0	MISALIGNED FLEXIBLE HOSE	CONSTRUCTION PERSONNEL SHALL BE RETRAINED TO THE INSTALLATION CRITERIA PROVIDED IN SPECIFICATION CPES-1-101B.	CAR 87-056, REV.0	CONCURRED	QA/QC-RT-10129 1/14/88
VII.c-INIM-011	1	ISAP VII.c RESULTS REPORT, APPENDIX 7, REV.1, PG 20 CAR 87-056, REV.0	MISALIGNED FLEXIBLE HOSE	INSPECTION PERSONNEL SHALL BE RETRAINED TO THE INSPECTION CRITERIA PROVIDED IN SPECIFICATION CPES-1-101B	CAR 87-056, REV.0	CONCURRED	QA/QC-RT-10129 1/14/88

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ISAP VII.-c-LITG
 "Lighting Cable"

Finding No: E-LITG-01 Description: GENERALLY UNACCEPTABLE INSTALLATION OF LIGHTING CABLES AND TERMINATIONS Class: UNCLASSIFIED TREND Recom'd'n Letter: E-1

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.-c-LITG-002 1	ISAP VII.-c RESULTS REPORT, APPENDIX 5, REV.1, PG 11	INADEQUATE INSTALLATION OF LIGHTING CABLES AND TERMINATIONS	(a) REVISE CONSTRUCTION PROCEDURE EEI-4 TO INCLUDE DETAIL NECESSARY TO ASSURE THAT WORK CAN BE ACCOMPLISHED TO SUITABLE QUALITY, OR (b) REVISE PROCEDURES EEI-7 AND EEI-8 TO INCLUDE REQUIREMENTS, AND CANCEL PROCEDURE EEI-4.	CAR-070X, REV.2 QA/QC-RT-8594 REV.1 (12/21/87), CPRT-1024	N/A	SUPERSEDED BY VII.-c-LITG-012 QA/QC-RT-8523 08/07/87
VII.-c-LITG-003 1	ISAP VII.-c RESULTS REPORT, APPENDIX 5, REV.1, PG 11 CAR-070X, REV.2	INADEQUATE INSTALLATION OF LIGHTING CABLES AND TERMINATIONS	SELECT CONSTRUCTION PERSONNEL WITH NECESSARY SKILLS.	CAR-070X, REV.2 QA/QC-RT-8594 REV.1 (12/21/87), CPRT-1024	N/A	QA/QC-RT-7956 7/27/87 SUPERSEDED BY VII.-c-LITG-012
VII.-c-LITG-004 1	ISAP VII.-c RESULTS REPORT, APPENDIX 5, REV.1, PG 11 CAR-070X, REV.2	INADEQUATE INSTALLATION OF LIGHTING CABLES AND TERMINATIONS	CRAFT TO REINSPECT, CORRECT, AND RETEST AS REQUIRED.	CAR-070X, REV.2 QA/QC-RT-8594 REV.1 (12/21/87), CPRT-1024	N/A	QA/QC-RT-7956 7/27/87 SUPERSEDED BY VII.-c-LITG-012
VII.-c-LITG-005 1	ISAP VII.-c RESULTS REPORT, APPENDIX 5, REV.1, PG 11 CAR-070X REV.2	INADEQUATE INSTALLATION OF LIGHTING CABLES AND TERMINATIONS	REVISE QI-QP-11.3-25.	CAR-070X, REV.2 QA/QC-RT-8594 REV.1 (12/21/87), CPRT-1024	N/A	QA/QC-RT-7956 7/27/87 SUPERSEDED BY VII.-c-LITG-012
VII.-c-LITG-007 1	ISAP VII.-c RESULTS REPORT, APPENDIX 5, REV.1 CAR-070X, REV.2	TRAINING OF CRAFT AND SUPERVISION	CRAFT AND SUPERVISION PERSONNEL SHALL BE TRAINED FOR ATTRIBUTES OF ECP-11.	QA/QC-RT-8594 REV.1 (12/21/87), CPRT-1024	N/A	QA/QC-RT-7956 7/27/87 SUPERSEDED BY VII.-c-LITG-012
VII.-c-LITG-008 1	ISAP VII.-c RESULTS REPORT, APPENDIX 5, REV.1, PG 11	TRAIN CONSTRUCTION PERSONNEL TO REVISED PROCEDURES.	TRAIN CONSTRUCTION PERSONNEL TO REVISED PROCEDURES PRIOR TO ANY REWORK OR NEW INSTALLATION. TRAIN CONSTRUCTION SUPERVISORS (FOREMAN LEVEL) TO BE KNOWLEDGEABLE ABOUT TECHNIQUES OF IN-PROCESS MONITORING REQUIRED	CAR-070X, REV.2 QA/QC-RT-8594 REV.1 (12/21/87),	N/A	SUPERSEDED BY VII.-c-LITG-012 SUPERSEDED BY VII.-c-LITG-012

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-LITG
"Lighting Cable"

Finding No: E-LITG-01 Description: GENERALLY UNACCEPTABLE INSTALLATION OF LIGHTING CABLES AND TERMINATIONS Class: UNCLASSIFIED TREND Recom'd'n Letter: E-1

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
				TO ASSURE GOOD WORKMANSHIP.	CPRT-1024		
VII.c-LITG-009	1	ISAP VII.c RESULTS REPORT, APPENDIX 5, REV.1, PG 12	TRAIN INSPECTION PERSONNEL TO REVISED PROCEDURES.	TRAIN INSPECTION PERSONNEL TO REVISED PROCEDURES PRIOR TO FURTHER INSPECTION OF ANY REWORK OR NEW INSTALLATIONS.	CAR-070X, REV.2 QA/QC-RT-8594 REV.1 (12/21/87), CPRT-1024	N/A	SUPERSEDED BY VII.C-LITG-012
VII.c-LITG-010	1	ISAP VII.c RESULTS REPORT, APPENDIX 5, REV.1 CAR-070X, REV.2	CHANGE OF FSAR, ES-100, AND DRAWINGS	FSAR, ELECTRICAL INSTALLATION ES-100, AND DRAWINGS ARE BEING CHANGED.	CAR-070X REV.2 QA/QC-RT-8594 REV.1 (12/21/87), CPRT-1024	N/A	QA/QC-RT-7956 7/27/87 SUPERSEDED BY VII.C-LITG-012 QA/QC-RT-8523 08/07/87
VII.c-LITG-011	1	ISAP VII.c RESULTS REPORT, APPENDIX 5, REV.1 CAR-070X, REV.2	INSPECT LIGHTING CIRCUITS BY CRAFT IN ACCORDANCE WITH ECP-11.	ALL LIGHTING CIRCUITS SHALL BE INSPECTED BY CRAFT UTILIZING INSPECTION CRITERIA CONTAINED IN CONSTRUCTION PROCEDURE ECP-11. ALL CIRCUITS NOT IN COMPLIANCE SHALL BE REWORKED.	CAR-070X, REV.2 QA/QC-RT-8594 REV.1 (12/21/87), CPRT-1024	N/A	QA/QC-RT-7956 7/27/87 SUPERSEDED BY VII.c-LITG-012
VII.c-LITG-012	1	ISAP VII.c RESULTS REPORT, APPENDIX 5, REV.1, PG.12 CAR-070X, REV.2	DECLASSIFICATION OF AC ESSENTIAL LIGHTING SYSTEMS	RECLASSIFY AC ESSENTIAL LIGHTING AS NON-CLASS 1E AND REVISE TECH. SPECS. AND FSAR ACCORDINGLY.	CAR-070X REV.2	CONCURRED	REFERENCE QA/QC-RT-7956, 07/27/87 THIS CPRT-APPROVED ALTERNATIVE SUPERSEDES COMMITMENTS VII.c-LITG-002 THROUGH 005 AND 007 THROUGH 011

ISAP VI.a
 "Gaps Between Reactor Pressure Vessel Reflective Insulation and the Biological Shield Wall"
 Finding No: M-VI.a-01 Description: DEBRIS IN CRITICAL SPACES Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No.	Typ	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VI.a-003	1	ISAP VI.a RESULTS REPORT, REV.1, PG.33	INSPECTION OF "CRITICAL SPACES"	SOME ITEMS ON THE CRITICAL SPACES LIST, MOSTLY IN UNIT 2, COULD NOT BE INSPECTED AT THIS TIME DUE TO CONSTRUCTION ACTIVITIES THAT ARE ON-GOING. THESE ITEMS WILL BE INSPECTED PRIOR TO TRANSFER OF RESPONSIBILITY TO OPERATIONS.	N/A	ISSUED	
VI.a-006	1	ISAP VI.a RESULTS REPORT, REV.1, PG.34	CRITICAL SPACES INCORPORATION INTO OPERATIONS SURVEILLANCE PLAN	AS THE CRITICAL SPACES IN A ROOM, GROUP OF ROOMS, OR AN AREA OF A BUILDING ARE VERIFIED AS BEING SATISFACTORY, CONSTRUCTION WILL INFORM OPERATIONS SO THAT THE SPACES ARE INCORPORATED INTO THE OPERATIONS SURVEILLANCE PLAN	TUGCO MEMO MP-0991, 09/29/86, "MAINTENANCE OF CRITICAL SPACES"	ISSUED	
VI.a-007	1	ISAP VI.a RESULTS REPORT, REV.1, PG.33	RESOLUTION OF INACCESSIBLE CRITICAL SPACES WITHOUT INSPECTION	THE PROJECT WILL RESOLVE THE MCRS BY EITHER COMPLETING INSPECTION OF PREVIOUSLY INACCESSIBLE ITEMS, OR BY PROVIDING APPROPRIATE TECHNICAL JUSTIFICATION FOR "USE-AS-IS" DISPOSITIONS. THE PROJECT'S MCR TECHNICAL REVIEW WILL VERIFY THIS.	SMEC PROCEDURE PP-041, "NONCONFORMANCE EVALUATION PROCEDURE"	ISSUED	
VI.a-008	3	ISAP VI.a RESULTS REPORT, REV.1, PG.30	REVISION OF PROCEDURE ECE-DC-8-1	THE PROJECT HAS COMMITTED TO MODIFY THE PROCEDURE THAT CONTROLS REVIEW OF DCAS (ECE-DC-8-1). REFERENCE 9.27 OF RESULTS REPORT VI.a ALSO STATES THAT THIS APPROACH WILL BE ADOPTED FOR OTHER DESIGN CHANGE MECHANISMS USED AT CPSES.	LETTER WE 4555, J.KRECHTING TO J.MILLER, "INTERDISCIPLINARY REVIEWS OF DESIGN CHANGES," 02/19/87	N/A	
VI.a-011	1	ISAP VI.a RESULTS REPORT, REV.1, PG.35	HOUSEKEEPING MAINTENANCE OF CRITICAL SPACES CLEANLINESS	SHOULD TRENDING RESULTS INDICATE AN ADVERSE TREND, TU ELECTRIC WILL CONDUCT A COMPREHENSIVE REINSPECTION/REVERIFICATION OF CRITICAL SPACES TO PROVIDE ASSURANCE THAT ALL CRITICAL SPACES ARE FREE OF DEBRIS PRIOR TO FUEL LOAD.	TU MEMO 09/15/86, "MAINTENANCE OF CRITICAL SPACES," D.C.SNYDER TO SALLI	ISSUED	

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 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VI.b
 "Polar Crane Shimming"

Finding No: M-VI.b-01 Description: DESIGN PROBLEMS ASSOCIATED WITH POLAR CRANE SUPPORT SYSTEM COMPONENTS (7 UNCLASSIFIED DEVIATIONS) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VI.b-003	1	ISAP VI.b RESULTS REPORT, REV.1, PG.12	CALCULATION SRB-109C, SET 3, REV. 4 THROUGH 10	THESE ANALYSES WILL BE REVIEWED BY SWEC AS PART OF DESIGN VALIDATION ACTIVITY OF CORRECTIVE ACTION PROGRAM.	N/A	ISSUED	
VI.b-004	1	ISAP VI.b RESULTS REPORT, REV.1, PG.23,33	INADEQUATE RAIL CLIPS	MODIFY RAIL HOLD-DOWN CLIPS, PER DCA 31296, REV. 2.	N/A	ISSUED	SWEC CALCULATION 16345-EM-(S)-002-CZC
VI.b-005	1	ISAP VI.b RESULTS REPORT, REV.1, PG.24,33	CIRCUMFERENTIAL RAIL MOVEMENT	REMOVE GROUNDING STRAPS AND INSTALL SPLICE BARS PER DCA 25031, REV. 4.	N/A	ISSUED	SWEC CALCULATION 16345-EM-(S)-003-CZC
VI.b-006	1	ISAP VI.b RESULTS REPORT, REV.1, PG.26	LOOSE RAIL-LEVELING SHIMS	TACK WELD RAIL-LEVELING SHIMS PER DCA 31296 REV.2.	N/A	ISSUED	
VI.b-007	1	ISAP VI.b RESULTS REPORT, REV.1, PG.27,33	INSPECTION OF RUNWAY SYSTEM	ISSUE MECHANICAL INSPECTION PROCEDURE, MMP-317 TO INCLUDE DESIGN MODIFICATIONS AND THE SWEC RUNWAY SYSTEM DESIGN. ALSO ISSUE EMP-343 TO PROVIDE THE ELECTRICAL INSPECTION REQUIREMENTS AND ASSURE AN ADEQUATE MAINTENANCE AND SURVEILLANCE PROGRAM IS IN PLACE.	N/A	ISSUED	
VI.b-008	1	ISAP VI.b RESULTS REPORT, REV.1, PG.27	INADEQUATE SUPPORT BOLTS FOR WHEEL BEARING HOUSING	REPLACE WHEEL BEARING SUPPORT BOLTS PER DCA 49099, REV. 0.	N/A	ISSUED	
VI.b-009	1	ISAP VI.b RESULTS REPORT, REV.1,	DIFFERENCES BETWEEN CRANE SPECIFICATION AND FSAR	REVISE FSAR TO STATE THAT CRANE WILL CARRY ITS OWN DEAD WEIGHT, RATHER THAN ITS RATED	N/A	ISSUED	

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 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VI.b
 "Polar Crane Shimming"

Finding No: M-VI.b-01 Description: DESIGN PROBLEMS ASSOCIATED WITH POLAR CRANE SUPPORT SYSTEM COMPONENTS (7 UNCLASSIFIED DEVIATIONS) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
PG.29,32		LOAD, DURING THE SSE.			

ISAP VII.c-DUPL
 "HVAC Ducts and Plenums"

Finding No: M-DUPL-01 Description: HARDWARE INSTALLED WITHOUT APPROVED DESIGN DETAILS Class: UNCLASSIFIED TREND Recom'd'n Letter: M-9

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-DUPL-002	1	ISAP VII.c RESULTS REPORT, APPENDIX 15, REV.1, PG.54,55 CAR 87-050, REV.0	AS-BUILT DUCT DETAILS DID NOT REFLECT HARDWARE IN FIELD.	SPEC MS-85 HAS BEEN REVISED TO SHOW FABRICATION AND INSTALLATION DETAILS FOR BRANCH CONNECTIONS BETWEEN CIRCULAR AND RECTANGULAR DUCT.	CAR 87-050, REV.0	CONCURRED	QA/QC-RT-8021 7/20/87
VII.c-DUPL-003	1	ISAP VII.c RESULTS REPORT, APPENDIX 15, REV.1, PG.54,55 CAR 87-050 REV.0	AS-BUILT DUCT DETAILS DID NOT REFLECT HARDWARE IN FIELD.	ANY FABRICATION/INSTALLATION ACTIVITIES FOR WHICH DETAIL DOES NOT EXIST WILL BE PERFORMED USING APPROVED DCA.	CAR 87-050, REV.0 EBASCO PROGRAMS CPE-TD-EB-063, CPE-FVM-CS-066, AND CPE-FVM-CS-029	CONCURRED	QA/QC-RT-8021 7/20/87
VII.c-DUPL-004	1	ISAP VII.c RESULTS REPORT, APPENDIX 15, REV.1, PG.54,55 CAR 87-050 REV.0	AS-BUILT DETAILS DID NOT REFLECT HARDWARE IN FIELD.	FOR EXISTING INSTALLATIONS, SITE PROGRAM REQUIRES 100% WALKDOWN AND AS-BUILDING OF SEISMIC HVAC DUCT AND DUCT SUPPORTS. IN ADDITION, THIS PROGRAM REQUIRES QC TO REINSPECT 100% OF SEISMIC DUCT SUPPORTS AND, AS A MINIMUM, SAFETY-RELATED DUCT.	CAR 87-050, REV.0 CAR-111, REV.2, FOR HVAC DUCT SUPPORTS AND CONTINUATION OF EBASCO PROGRAM	CONCURRED	QA/QC-RT-8021 7/20/87 REF. CPE-TD-EB-063, CPE-FVM-CS-066, CPE-FVM-CS-029, ECC 10.99-HV-001, ECC 10.99-HV-002, AND ECE-5.01-13.
VII.c-DUPL-005	1	ISAP VII.c RESULTS REPORT, APPENDIX 15, REV.1, PG.54,55 CAR 87-050 REV.0	AS-BUILT DUCT DETAILS DID NOT REFLECT HARDWARE IN FIELD.	EBASCO PROGRAM CPE-TD-EB-063 IS IN PLACE FOR UNIT 1 AND COMMON. METHODOLOGY FOR UNIT 2 WILL BE SAME.	CAR 87-050, REV.0 CAR-111, REV.2, FOR HVAC DUCT SUPPORTS AND CONTINUATION OF EBASCO PROGRAM	CONCURRED	QA/QC-RT-8021 8/20/87
VII.c-DUPL-006	1	ISAP VII.c RESULTS REPORT, APPENDIX 15, REV.1, PG.54,55 CAR 87-050 REV.0	AS-BUILT DUCT DETAILS DID NOT REFLECT HARDWARE IN FIELD.	MCRs M86101675X, M86-102105X, M86-102106X, M86-102107X, M86-102108X, M86-201243X, AND M86-201622X HAVE BEEN GENERATED FOR CONDITIONS IDENTIFIED BY ERC AND ARE CURRENTLY BEING EVALUATED.	CAR 87-050, REV.0	CONCURRED	QA/QC-RT-8021 8/20/87

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ISAP VII.c-DUPL
 "HVAC Ducts and Plenums"

Finding No: M-DUPL-01 Description: HARDWARE INSTALLED WITHOUT APPROVED DESIGN DETAILS Class: UNCLASSIFIED TREND Status of CPRT: M-9
 Recom'd'n Letter: M-9

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-DUPL-007 1 ISAP VII.c RESULTS REPORT, APPENDIX 15, REV.1, PG.54-55 CAR 87-050 REV.0	AS-BUILT CONDITIONS OF HVAC DUCT SYSTEMS DID NOT REFLECT HARDWARE IN FIELD.	MCR 0M87-4068 ISSUED 7/8/87 TO REMARK ALL CEILING DIFFUSERS IN CONTROL BUILDING PER ECC 10.99-HV-001 TO CRITERIA OF SPEC 2323-MS-85. MCR DIRECTS QC TO REINSPECT REMARK PER Q1-QP-11.14-15. COPY OF MCR WILL BE PLACED IN EACH APPLICABLE DUCT SEGMENT PACKAGE.	CAR 87-050, REV.0	CONCURRED	QA/QC-RT-8021 8/20/87
VII.c-DUPL-008 1 ISAP VII.c RESULTS REPORT, APPENDIX 15, REV.1, PG.54-55 CAR 87-050 REV.0	AS-BUILT DUCT DETAILS DID NOT REFLECT HARDWARE IN FIELD.	FOR EXISTING SEISMIC AIRU, PLENUMS, AND EQUIPMENT SUPPORTS, CPE-FVM-CS-066, WHICH WILL REQUIRE 100% AS-BUILDING AND QC INSPECTION OF SAFETY-RELATED COMPONENTS AS A MINIMUM IS BEING IMPLEMENTED.	CAR 87-050, REV.0 CPE-TD-EB-063, CPE-FVM-CS-066, CPE-FVM-CS-029, ECC 10.99-HV-001 AND, ECC 10.99-HV-002	CONCURRED	QA/QC-RT-8021 8/20/87
VII.c-DUPL-009 1 ISAP VII.c RESULTS REPORT, APPENDIX 15, REV.1, PG.54-55 CAR 87-050, REV.0	AS-BUILT DUCT DETAILS DID NOT REFLECT HARDWARE IN FIELD.	SPEC MS-85 HAS BEEN REVISED TO SHOW BOLTING REQUIREMENTS BETWEEN DIFFUSERS AND THEIR AIR SUPPLY DUCTS.	CAR 87-050, REV.0	CONCURRED	QA/QC-RT-8021 08/20/87
VII.c-DUPL-010 1 ISAP VII.c RESULTS REPORT, APPENDIX 15, REV.1, PG.55 CAR 87-050, REV.0	TRAINING OF HVAC PERSONNEL	HVAC CONSTRUCTION AND INSPECTION PERSONNEL TO UNDERGO TRAINING TO ENSURE THAT WORK AND INSPECTION OF COMPLETED WORK DOES NOT PROCEED UNLESS APPROVED DRAWINGS ARE AVAILABLE OR DETAILS OF THE WORK ARE INCLUDED IN THE APPROPRIATE PROCEDURES.	CAR 87-050, REV.0	CONCURRED	QA/QC-RT-8021 7/20/87

ISAP VII.c-LBCO
 "Large-Bore Piping Configuration"

Finding No: M-LBCO-01 Description: ORIENTATION - REVERSED FLOW ELEMENT Class: SPECIAL CASE Action Statement Summary: M-2

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-LBCO-002 1	ISAP VII.c RESULTS REPORT, APPENDIX 8, REV.1, PG 36, 37 CAR 87-016, REV.3, SWTU 284-6, PG.3	FLOW ELEMENT FLOW DIRECTION REVERSED	REVIEW SITE SPECS AND PROCEDURES FOR INSTALLATION AND INSPECTION REQUIREMENTS REGARDING FLOW ELEMENTS AND OTHER DIRECTION-SENSITIVE COMPONENTS. THIS INCLUDES START-UP PROCEDURES FOR INSTRUCTIONS AFTER SYSTEM TURNOVER.	CAR 87-016, REV.3	CONCURRED	QA/QC-RT-9292 10/9/87
VII.c-LBCO-006 1	ISAP VII.c RESULTS REPORT, APPENDIX 8, REV.1, PG.36 CAR 87-016, REV.3	FLOW ELEMENT FLOW DIRECTION REVERSED	REINSPECT COMPONENTS SENSITIVE TO FLOW DIRECTION TO CPE-FVM-ME-065.	CAR 87-016, REV.3 VII.c-SBCO-003	CONCURRED	QA/QC-RT-9292, 10/9/87

ISAP VII.c-LBCO
 "Large-Bore Piping Configuration"

Finding No: M-LBCO-02 Description: PIPING CLEARANCE (SEE ALSO M-SBCO-02) Class: UNCLASSIFIED TREND Recom'd'n Letter: M-5

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-LBCO-001 1 ISAP VII.c RESULTS REPORT, APPENDIX 8, REV.1, PG 38 CAR 87-018, REV.1	PIPING CLEARANCE	REVISE ACP-11.6 TO VERIFY CLEARANCES AFTER INSULATION IS COMPLETE.	CAR 87-018, REV.1 VII.c-SBCO-010	CONCURRED	QA/QC-RT-8527 8/10/87 REFERENCE VII.c-SBCO-010
VII.c-LBCO-007 1 ISAP VII.c RESULTS REPORT, APPENDIX 8, REV.1, PG 37 CAR 87-018, REV.1	PIPING CLEARANCE	REVISE ACP-11.1 (CAR)/CP-CPM-6.9E (RESULTS REPORT) TO RETRAIN DRAFTS TO INFORM ENGINEERING WHEN LOCATION SPECIFIED FOR PIPE RESULTS IN CLEARANCE LESS THAN SPECIFIED.	CAR 87-018, REV.1 VII.c-SBCO-009	CONCURRED	QA/QC-RT-8527 8/10/87
VII.c-LBCO-008 1 ISAP VII.c RESULTS REPORT, APPENDIX 8, REV.1, PG 37 CAR 87-018, REV.1	PIPING CLEARANCE	ISSUE DCA FOR MS-30 FOR INSTRUCTIONS RELATIVE TO NOTCHING INSULATION.	CAR 87-018, REV.1 VII.c-SBCO-008	CONCURRED	QA/QC-RT-8527 8/10/87
VII.c-LBCO-009 1 ISAP VII.c RESULTS REPORT, APPENDIX 8, REV.1, PG 38 CAR 87-018, REV.1	PIPING CLEARANCE	ISSUE CPE-FVM-CS-068 FOR CLEARANCE WALKDOWN, AND AFTER COMPLETE, CLOSE AREA WITH DCA TO SP. CPES-S-1021. AFTER ISSUANCE OF THE AREA SPECIFIC DCA'S, ALL FUTURE INSTALLATION AND INSPECTION WILL BE IN ACCORDANCE WITH THE SPEC.	CAR 87-018, REV.1 VII.c-SBCO-007	CONCURRED	QA/QC-RT-8527 8/10/87
VII.c-LBCO-010 1 ISAP VII.c RESULTS REPORT, APPENDIX 8, REV.1, PG 37 CAR 87-018, REV.1	PIPING CLEARANCE	ISSUE COMMODITY CLEARANCE SPEC CPES-S-1021, AND DELETE CLEARANCE REQUIREMENTS FROM ES-100, MS-85, MS-100, MS-101, SS-168, AND CPES-1-1018.	CAR 87-018, REV.1 VII.c-SBCO-006	CONCURRED	QA/QC-RT-8527 8/10/87
VII.c-LBCO-018 1 ISAP VII.c RESULTS REPORT, APPENDIX 8, REV.1, PG.37	PIPING CLEARANCE	ISSUE SPEC CPES-M-1017, PIPELINE DESIGNATION LIST, FOR IDENTIFICATION OF PIPE CLASS IN ORDER TO DETERMINE THE REQUIRED INSULATION THICKNESS	CAR 87-018, REV.1 VII.c-SBCO-011	CONCURRED	QA/QC-RT-8527 08/10/87

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-LBCO
 "Large-Bore Piping Configuration"

Finding No: M-LBCO-02 Description: PIPING CLEARANCE (SEE ALSO M-SBCO-02) Class: UNCLASSIFIED TREND Recom'd'n Letter: M-5

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
		CAR 87-018, REV.1					

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 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-LBCO
 "Large-Bore Piping Configuration"

Finding No: M-LBCO-03 Description: EXPANSION JOINTS - IMPROPER TIE ROD INSTALLATION Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: M-1

Commitment No. Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-LBCO-011 1	ISAP VII.c RESULTS REPORT, APPENDIX 8, REV.1, PG 38 CAR-071X, REV.3	EXPANSION JOINT TIE RODS	REVISE MS-100, CP-CPM-6.9, AQP-11.2, QI-QP-11.1-28, AND AQP-11.5.	CAR-071X, REV.3	CONCURRED	QA/QC-RT-10106 12/29/87
VII.c-LBCO-013 1	ISAP VII.c RESULTS REPORT, APPENDIX 8, REV.1, PG.39 CAR-071X, REV.3	EXPANSION JOINT TIE RODS	COMPARE FLOW DIAGRAMS AND ISOMETRICS TO ENSURE THAT ALL SAFETY-RELATED COMPONENTS ARE CLEARLY IDENTIFIED; REVIEW THOSE NOT CLEARLY IDENTIFIED TO ENSURE APPROPRIATE PROCEDURES HAVE BEEN FOLLOWED, AND CORRECT AS NECESSARY	CAR-071X, REV.3	CONCURRED	QA/QC-RT-10106 12-29-87
VII.c-LBCO-015 1	ISAP VII.c RESULTS REPORT, APPENDIX 8, REV.1, PG 39 CAR-071X REV.3, SMTU 5237	EXPANSION JOINT TIE RODS	TU ELECTRIC TO EVALUATE, DEVELOP AND IMPLEMENT, AS REQUIRED, A METHOD OF TRACKING THE INSTALLATION AND REMOVAL OF ALL TEMPORARY PIPING HARDWARE TO VERIFY THAT TEMPORARY INSTALLATIONS WILL BE REPLACED BY THE PERMANENT DESIGN INSTALLATION.	CAR-071X, REV.3	CONCURRED	QA/QC-RT-10106 12/29/87
VII.c-LBCO-016 1	ISAP VII.c RESULTS REPORT, APPENDIX 8, REV.1, PG 39 CAR-071X, REV.3, SMTU 5237	EXPANSION JOINT TIE RODS	TU ELECTRIC TO ENSURE, AS APPLICABLE, THAT ALL PREVIOUSLY INSTALLED TEMPORARY PIPING AND ASSOCIATED HARDWARE INSTALLATIONS HAVE BEEN REPLACED WITH PERMANENT DESIGN INSTALLATION.	CAR-071X, REV.3	CONCURRED	QA/QC-RT-10106 12/29/87
VII.c-LBCO-017 1	ISAP VII.c RESULTS REPORT, APPENDIX 8, REV.1, PG.38 CAR-071X, REV.3	EXPANSION JOINT TIE RODS	ISSUE FVM-ME-071 FOR WALKDOWN OF EXPANSION JOINTS.	CAR-071X, REV.3	CONCURRED	QA/QC-RT-10106 12-29-87

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 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-MEIN
 Mechanical Equipment Installation*

Finding No: M-MEIN-01 Description: CONFIGURATION - BROKEN BOLTS Class: CONSTRUCTION DEFICIENCY Status of CPRT: M-6

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT	Remarks
VII.c-MEIN-006	1	ISAP VII.c RESULTS REPORT, APPENDIX 17, REV.1, PG 39 CAR 87-028, REV.0	CONFIGURATION - BROKEN BOLTS	TEST DEFICIENCY REPORTS (PROVIDED BY STARTUP) WILL BE EVALUATED.	CAR 87-028, REV.0	CONCURRED	QA/QC-RT-8527 8/10/87
VII.c-MEIN-007	1	ISAP VII.c RESULTS REPORT, APPENDIX 17, REV.1, PG 39 CAR 87-028, REV.0	CONFIGURATION - BROKEN BOLTS	ADEQUACY OF EQUIPMENT ANCHORAGE IS BEING EVALUATED UNDER EQUIPMENT QUALIFICATION PROGRAM.	CAR 87-028, REV.0	CONCURRED	QA/QC-RT-8527 8/10/87
VII.c-MEIN-008	1	ISAP VII.c RESULTS REPORT, APPENDIX 17, REV.1, PG 39 CAR 87-028, REV.0	CONFIGURATION - BROKEN BOLTS	ALL ROTATING/RECIPROCATING EQUIPMENT WILL BE WALKED DOWN PER CPE-SMEC-FVN-EE/ME/IC/CS-89.	CAR 87-028, REV.0	CONCURRED	QA/QC-RT-8527 8/10/87
VII.c-MEIN-009	1	ISAP VII.c RESULTS REPORT, APPENDIX 17, REV.1, PG 39 CAR 87-028, REV.0	CONFIGURATION - BROKEN BOLTS	ENGINEERING WILL REQUEST REVIEW OF MAINTENANCE EQUIPMENT HISTORY BY OPERATIONS.	CAR 87-028, REV.0	CONCURRED	QA/QC-RT-8527 8/10/87
VII.c-MEIN-010	1	ISAP VII.c RESULTS REPORT, APPENDIX 17, REV.1, PG 39 CAR 87-028, REV.0	CONFIGURATION - BROKEN BOLTS	ENGINEERING EQUIPMENT QUALIFICATION GROUP WILL REVIEW DCAs TO ASSURE ADEQUACY.	CAR 87-028, REV.0	CONCURRED	QA/QC-RT-8527 8/10/87
VII.c-MEIN-014	1	ISAP VII.c RESULTS REPORT, APPENDIX 17, REV.1, PG 39 CAR 87-028, REV.0	CONFIGURATION - BROKEN BOLTS	REPLACE ALL HOLD-DOWN BOLTS ON CONTROL ROOM AIR CONDITIONER COMPRESSORS.	CAR 87-028, REV.0	CONCURRED	QA/QC-RT-8527 8/10/87

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CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

:SAP VII.c-MEIN
"Mechanical Equipment Installation"

Finding No: M-MEIN-01

Description: CONFIGURATION - BROKEN BOLTS

Class: CONSTRUCTION DEFICIENCY

Recom'd'n Letter: M-6

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/ Commitments	Status of CPRT Concurrence	Remarks
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ISAP VII.c-MEIN
 "Mechanical Equipment Installation"

Finding No: M-MEIN-02 Description: CONFIGURATION - MANWAY COVERS WITH INSUFFICIENTLY TIGHTENED BOLTED CONNECTIONS Class: SPECIAL CASE Recom'd'n Letter: M-8

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-MEIN-013	1	ISAP VII.c RESULTS REPORT, APPENDIX 17, REV.1, PG 39, 40 CAR 87-046, REV.0	MANWAY COVER CONFIGURATION	DESIGN MODIFICATION REQUEST DMR-OP-141 ISSUED FOR PRESSURIZERS (UNITS 1 AND 2).	CAR 87-046, REV.0	CONCURRED	QA/OC-RT-8787 9/9/87
VII.c-MEIN-015	1	ISAP VII.c RESULTS REPORT, APPENDIX 17, REV.1, PG 39, 40 CAR 87-046, REV.0	MANWAY COVER CONFIGURATION	ALL 16 STEAM GENERATOR SECONDARY SIDE MANWAY CLOSURES WILL BE INSPECTED TO ENSURE COMPLIANCE WITH DESIGN CRITERIA.	CAR 87-046, REV.0	CONCURRED	QA/OC-RT-8787 9/9/87
VII.c-MEIN-016	1	ISAP VII.c RESULTS REPORT, APPENDIX 17, REV.1, PG 39, 40 CAR 87-046, REV.0	MANWAY COVER CONFIGURATION	MODIFY UNIT 1 STEAM GENERATORS PER DM-86-067.	CAR 87-046, REV.0	CONCURRED	QA/OC-RT-8787 9/9/87
VII.c-MEIN-018	1	ISAP VII.c RESULTS REPORT, APPENDIX 17, REV.1, PG 39, 40 CAR 87-046, REV.0	MANWAY COVER CONFIGURATION	REVISE WESTINGHOUSE DMG 1139E30, SHEETS 1 AND 2, FOR SI ACCUMULATOR TANK, AND REMORK.	CAR 87-046, REV.0	CONCURRED	QA/OC-RT-8787 9/9/87
VII.c-MEIN-019	1	ISAP VII.c RESULTS REPORT, APPENDIX 17, REV.1, PG 39, 40 CAR 87-046, REV.0	MANWAY COVER CONFIGURATION	MODIFY UNIT 2 STEAM GENERATORS PER PPF2-1023.	CAR 87-046, REV.0	CONCURRED	QA/OC-RT-8787 9/9/87

ISAP VII.c-PBFA
 "Piping Bend Fabrication"

Finding No: M-PBFA-01 Description: MINIMUM WALL THICKNESS VERIFICATION (INCLUDES FINDING ARISING FROM POR-73) Class: UNCLASSIFIED TREND Recom'd'n Letter: M-4

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrency	Remarks
VII.c-PBFA-001 1	ISAP VII.c RESULTS REPORT, APPENDIX 10, REV.1, PG 12 CAR 87-017 REV.2 CAR 87-041 REV.0	PIPE WALL THICKNESS VERIFICATION	REVISE QC INSPECTION PROCEDURE QI-QAP-11.1-26 TO REQUIRE QC VERIFICATION, BY ULTRASONIC TESTING, THAT PIPE WALL THICKNESS AFTER BENDING MEETS MANUFACTURER'S MINIMUM WALL THICKNESS AND THAT MEASURED WALL THICKNESS BE RECORDED. CAR 87-017, REV.2 CAR 87-041, REV.0, POR-073	CONCURRED	CP-QAP-12.1 AND AQP-11.2 ARE REVISED IN PLACE OF QI-QAP-11.1-26, 87-041 QA/QC-RT-8527, 8/10/87 87-017 QA/QC-RT-10104, 12/28/87
VII.c-PBFA-002 1	ISAP VII.c RESULTS REPORT, APPENDIX 10, REV.1, PG 12 CAR 87-017, REV.2 CAR 87-041, REV.0	PIPE WALL THICKNESS VERIFICATION	PRIOR TO BENDING PIPE, CONSTRUCTION PERSONNEL WILL BE RETRAINED TO REQUIREMENTS OF REVISED CONSTRUCTION PROCEDURE. CAR 87-017, REV.2 CAR 87-041, REV.0, POR-073	CONCURRED	87-041 QA/QC-RT-8527 8/10/87 87-017 QA/QC-RT-10104, 12/28/87
VII.c-PBFA-003 1	ISAP VII.c RESULTS REPORT, APPENDIX 10, REV.1, PG 13 CAR 87-017, REV.2, CAR 87-041, REV.0	PIPE WALL THICKNESS VERIFICATION	REVISE ENGINEERING SPECIFICATION MS-438 TO INCLUDE, IN PIPE BENDING SECTION, REFERENCE TO APPLICABLE REQUIREMENTS FOR WALL THICKNESS AFTER FABRICATION. CAR 87-017, REV.2, CAR 87-041, REV.0 POR-073	CONCURRED	QA/QC-RT-10104 12/28/87 DCA 58803 ISSUED
VII.c-PBFA-004 1	ISAP VII.c RESULTS REPORT, APPENDIX 10, REV 1, PG 12 CAR 87-017, REV 2 CAR 87-041, REV.0	PIPE WALL THICKNESS VERIFICATION	CONSTRUCTION PROCEDURE CP-CPM-6.9E HAS BEEN REVISED TO (1) ADD REQUIREMENT THAT MANUFACTURER'S MINIMUM WALL THICKNESS BE MET AFTER BENDING AND (2) MAKE SPACE ON MANUFACTURING RECORD SHEET (MRS) FOR RECORDING OF PIPE WALL THICKNESS BEFORE BENDING. CAR 87-017, REV.2 CAR 87-041, REV.0, POR-073	CONCURRED	87-041 QA/QC-RT-8527 8/10/87 87-017 QA/QC-RT-10104 12/28/87
VII.c-PBFA-008 1	ISAP VII.c RESULTS REPORT, APPENDIX 10, REV.1, PG 12 CAR 87-017, REV 2	PIPE WALL THICKNESS VERIFICATION PROGRAM CP-QAP-12.1 FGT UNIT 1	QC VERIFICATION PROGRAM ESTABLISHED TO PERFORM 100% INSPECTION TO VERIFY & RECORD WALL THICKNESS OF ALL PIPE BENDS IS >.875" NOMINAL WALL THICKNESS. PIPE BENDS THAT VIOLATE MANUFACTURER'S MINIMUM WALL THICKNESS CAR 87-017, REV.2 CAR 87-041, REV.0, POR-073	CONCURRED	87-041 QA/QC-RT-8527 8/10/87 87-017 QA/QC-RT-10104 12/28/87

Cont'd

ISAP VII.c-PBFA
 "Piping Bend Fabrication"

Finding No: M-PBFA-01 Description: MINIMUM WALL THICKNESS VERIFICATION (INCLUDES FINDING ARISING FROM PDR-73) Class: UNCLASSIFIED TREND Recom'd'n Letter: M-4

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-PBFA-009 1	ISAP VII.c RESULTS REPORT, APPENDIX 10, REV.1, PG 12	OR ASME SECTION III MINIMUM WALL THICKNESS TO BE PROCESSED ACCORDING TO COMMITMENT IN APPENDIX 10 OF RESULTS REPORT VII.c.	CAR 87-017, REV.2	CONCURRED	87-041 QA/QC-RT-8527 8/10/87
	PIPE WALL THICKNESS VERIFICATION PROGRAM AQP-11.2 FOR UNIT 2	QC VERIFICATION PROGRAM ESTABLISHED TO PERFORM 100% INSPECTION TO VERIFY & RECORD WALL THICKNESS OF ALL PIPE BENDS IS $>.875''$ NOMINAL WALL THICKNESS. PIPE BENDS THAT VIOLATE MANUFACTURER'S MINIMUM WALL THICKNESS OR ASME SECTION III MINIMUM WALL THICKNESS TO BE PROCESSED ACCORDING TO COMMITMENT IN APPENDIX 10.	CAR 87-041, REV.0, PDR-073		87-017 QA/QC-RT-10104 12/28/87

ISAP VII.c-P1UM
 "Pipe Welds and Materials"

Finding No: M-P1UM-01 Description: RADIAL WELD SHRINKAGE Class: SPECIAL CASE Recom'd'n Letter: M-7

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-P1UM-001	1	ISAP VII.c RESULTS REPORT, APPENDIX 12, REV.1, PG 26 CAR 87-029 REV.0, QA/QC-RT-10133	EVALUATION OF PIPING FABRICATION SPEC 2323-MS-438 TO LIMIT NUMBER OF EXTENSIVE WELD REPAIRS OR REPLACEMENTS	RECOMMENDATION THAT TU ELECTRIC EVALUATE NEED FOR ADDING CRITERIA TO PIPING FABRICATION SPEC 2323-MS-438 TO LIMIT NUMBER OF EXTENSIVE WELD REPAIRS OR REPLACEMENTS TO AVOID EXCESSIVE RADIAL WELD SHRINKAGE AND CORRECT AS NECESSARY	CAR 87-029, REV.0	CONCURRED	MS-438 DATED 7-6-87 LIMITS THE NO. OF WELD REPAIRS QA/QC-RT-8787 9/9/87
VII.c-P1UM-002	1	ISAP VII.c RESULTS REPORT, APPENDIX 12, REV.1, PG 26 CAR 87-029, REV.0	REVIEW OF REVISIONS AND DESIGN CHANGES TO SITE PIPING FABRICATION SPEC 2323-MS-438 FOR PROPER RETROFIT	(RESULTS REPORT) REVIEW REVISIONS & DESIGN CHANGES TO PIPING FABRICATION SPEC TO ENSURE PROPER BACKFIT. [CAR] COMPARISON OF REV 1 OF SPEC TO CURRENT REV. NO CHANGES TO WELDING/MATERIALS REQUIREMENTS WARRANTING BACKFIT INSPECTION. PROCEDURE FOR ENGINEERING SPEC REVIEW INCLUDES REQUIREMENT THAT ENGINEER DETERMINE NEED FOR BACKFIT.	CAR 87-029, REV.0	CONCURRED	QA/QC-RT-8787 9/9/87
VII.c-P1UM-003	1	ISAP VII.c RESULTS REPORT, APPENDIX 12, REV.1, PG 26 CAR 87-029, REV.0	REVIEW OF REVISIONS AND DESIGN CHANGES TO SITE PIPING ERECTION SPEC 2323-MS-100 FOR PROPER RETROFIT	(RESULTS REPORT) REVIEW REVISIONS & DESIGN CHANGES TO PIPING ERECTION SPEC TO ENSURE PROPER BACKFIT. [CAR] COMPARING REV 1 OF SPEC TO CURRENT REV. NO CHANGES TO WELDING/MATERIAL REQUIREMENTS WARRANTING BACKFIT INSPECTION. PROCEDURE FOR ENGINEERING SPEC REVIEW INCLUDES REQUIREMENT THAT ENGINEER DETERMINE NEED FOR BACKFIT.	CAR 87-029, REV.0	CONCURRED	QA/QC-RT-8787 9/9/87
VII.c-P1UM-004	1	ISAP VII.c RESULTS REPORT, APPENDIX 12, REV.1, PG 26 CAR 87-029 REV.0, QA/QC-RT-10133	QUANTITATIVE CRITERIA FOR ACCEPTABLE RADIAL WELD SHRINKAGE	TU ELECTRIC TO ADD QUANTITATIVE CRITERIA FOR ACCEPTABLE RADIAL WELD SHRINKAGE TO SITE PIPING FABRICATION SPEC 2323-MS-438	CAR 87-029, REV.0	CONCURRED	QA/QC-RT-8787 9/9/87
VII.c-P1UM-005	1	ISAP VII.c RESULTS REPORT, APPENDIX 12, REV.1, PG 26	REINSPECT BUTT WELDS FOR RADIAL WELD SHRINKAGE ON SCH 80 AND THINNER S/S PIPE	[RR] REINSPECT BUTT WELDS FOR RADIAL WELD SHRINKAGE ON SCHEDULE 80 AND THINNER S/S PIPE THAT WAS REPLACED OR RECEIVED EXTENSIVE	CAR 87-029, REV.0	CONCURRED	QA/QC-RT-8787 9/9/87

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-PIUM
"Pipe Welds and Materials"

Finding No: M-PIUM-01 Description: RADIAL WELD SHRINKAGE Class: SPECIAL CASE Recom'd'n Letter: M-7

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-PIUM-006 1	ISAP VII.c RESULTS REPORT, APPENDIX 12, REV.1, PG 26 CAR 87-029, REV.0	EVALUATION OF PIPING ERECTION SPEC 2323-MS-100 TO LIMIT NUMBER OF EXTENSIVE WELD REPAIRS OR REPLACEMENTS THAT WAS REPLACED OR RECEIVED EXTENSIVE REPAIRS PRIOR TO 12/82	REPAIRS PRIOR TO 12/82. [CAR] 100% INSPECTION OF APPLICABLE WELDS FOR RADIAL WELD SHRINKAGE PER QC PROCEDURES CP-QAP-12.1 AND QAP-11.2 CURRENTLY IN PROGRESS. [RR] EVALUATE NEED TO ADD CRITERIA TO PIPE ERECTION SPEC TO LIMIT EXTENSIVE WELD REPAIR/REPLACEMENT, AVOIDING EXCESSIVE RADIAL WELD SHRINKAGE. CORRECT AS NECESSARY. [CAR] CORRECTIVE ACTION IN SMTU-2548 INDICATES PIPE ERECTION SPEC CURRENT CRITERIA ACCEPTABLE TO LIMIT WELD REPAIRS ON S/S PIPE WELDS.	CAR 87-029, REV.0 CONCURRED	QA/QC-RT-8787 9/9/87

ISAP VII.c-P1UM
 "Pipe Welds and Materials"

Finding No: M-P1UM-02 Description: BASE MATERIAL REDUCTION

Class: UNCLASSIFIED TREND Recom'd'n Letter: M-10

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-P1UM-007 1 ISAP VII.c RESULTS REPORT, APPENDIX 12, REV.1, PG 26 CAR 87-072, REV.1	BASE MATERIAL REDUCTION	PERFORM AN EVALUATION AND ANALYSIS BASED ON ACTUAL PIPING DATA, WHEN AVAILABLE, TO DETERMINE THOSE PIPE LINES THAT ARE LIKELY TO BE ADVERSELY AFFECTED BY AS MUCH AS A 3/64 INCH DEEP GRIND.	CAR 87-072, REV.1	CONCURRED	QA/QC-RT-10187 1/29/88
VII.c-P1UM-008 1 ISAP VII.c RESULTS REPORT, APPENDIX 12, REV.1, PG 27 CAR 87-072, REV.1	BASE MATERIAL REDUCTION	PERFORM A WALKDOWN TO DETERMINE WHETHER OR NOT BASE MATERIAL REDUCTION EXISTS ON THOSE PIPELINES THAT WERE DETERMINED TO BE SUSCEPTIBLE TO AN OVERGRIND CONDITION AND THAT COULD VIOLATE THE ASME SECTION III CODE MINIMUM DESIGN WALL THICKNESS.	CAR 87-072, REV.1	CONCURRED	QA/QC-RT-10187 01/29/88
VII.c-P1UM-009 1 ISAP VII.c RESULTS REPORT, APPENDIX 12, REV.1, PG 27 CAR 87-072, REV.1, SMTU4685	BASE MATERIAL REDUCTION	EMPHASIZE TO QC INSPECTION, BY RETRAINING AND/OR MODIFICATION TO QC PROCEDURES, THOSE PIPE WELD JOINT CONFIGURATIONS THAT ARE MOST SUSCEPTIBLE TO OVERGRINDING.	CAR 87-072 REV.1	CONCURRED	QA/QC-RT-10187 1/29/88 (ACP-10.9, CP-CPH 6.90 & AGP-11.2 WERE THE OPERATIVE PROCEDURES THAT WERE REVISED

ISAP VII.c-SBCO
 "Small-Bore Piping Configuration"

Finding No: M-SBCO-01 Description: VALVE FLOW DIRECTION REVERSED

Class: SPECIAL CASE Recom'd'n Letter: M-3

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-SBCO-002	1	ISAP VII.c RESULTS REPORT, APPENDIX 9, REV.1, PG 21 CAR 87-016, REV.3	VALVE FLOW DIRECTION	REVIEW SAFETY-RELATED ISOMETRICS FOR PROPER FLOW DIRECTION.	CAR 87-016, REV.3	CONCURRED	QA/QC-RT-9292 10/9/87
VII.c-SBCO-003	1	ISAP VII.c RESULTS REPORT, APPENDIX 9, REV.1, PG 21 CAR 87-016, REV.3	VALVE FLOW DIRECTION	PERFORM WALKDOWN TO VERIFY FLOW DIRECTION OF ALL SAFETY-RELATED FLOW-SENSITIVE COMPONENTS FOR LB AND SB PIPING (CPE-FVM-ME-065).	CAR 87-016, REV.3 VII.c-LBCO-006	CONCURRED	QA/QC-RT-9292 10/9/87
VII.c-SBCO-004	1	ISAP VII.c RESULTS REPORT, APPENDIX 9, REV.1, PG-21 CAR 87-016, REV.3	VALVE FLOW DIRECTION	QC INSPECTION CHECKLIST TO BE REVISED TO ADDRESS ORIENTATION OF FLOW-SENSITIVE COMPONENTS AND REQUIRED QC SIGN-OFF.	CAR 87-016, REV.3	CONCURRED	QA/QC-RT-9292 10/09/87 REF: ADP-11.5
VII.c-SBCO-005	1	ISAP VII.c RESULTS REPORT, APPENDIX 9, REV.1, PG 21 LETTER SMTU 3620 9/23/87	VALVE FLOW DIRECTION	RETRAIN CONSTRUCTION AND QC FOR COMPONENTS THAT REQUIRE SPECIFIC FLOW DIRECTION.	CAR 87-016, REV.3	CONCURRED	QA/QC-RT-9292 10/9/87

ISAP VII.c-SBCO
 Small-Bore Piping Configuration*

Finding No: M-SBCO-02 Description: PIPING CLEARANCE (SEE ALSO M-LBCO-02) Class: UNCLASSIFIED TREND Recom'd'n Letter: M-5

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-SBCO-006 1 ISAP VII.c RESULTS REPORT, APPENDIX 9, REV.1, PG 21 CAR 87-018, REV.1	PIPE CLEARANCE	ISSUE COMMODITY CLEARANCE SPEC CPES-S-1021 TO DEFINE SEPARATION REQUIREMENTS. DELETE REQUIREMENTS FROM ES-100, MS-85, MS-100, MS-101, SS-160, AND CPES-1-1018, AND REFER TO CPES-S-1021.	CAR 87-018, REV.1 VII.c-LBCO-010	CONCURRED	QA/QC-RT-8527 8/10/87
VII.c-SBCO-007 1 ISAP VII.c RESULTS REPORT, APPENDIX 9, REV.1, PG 22 CAR 87-018, REV.1	PIPE CLEARANCE	PERFORM COMMODITY CLEARANCE WALKDOWN PER CPE-FVM-CS-068. AFTER INSPECTIONS OF AN AREA ARE COMPLETE AND CORRECTIONS MADE, CLOSE AREA BY DCA TO SPEC CPES-S-1021.	CAR 87-018, REV.1 VII.c-LBCO-009	CONCURRED	QA/QC-RT-8527 8/10/87
VII.c-SBCO-008 1 ISAP VII.c RESULTS REPORT, APPENDIX 9, REV.1, PG 22 CAR 87-018, REV.1	PIPE CLEARANCE	ISSUE DCA TO SPEC 2323-MS-30 TO INCLUDE INSTRUCTIONS FOR NOTCHING.	CAR 87-018, REV.1 VII.c-LBCO-008	CONCURRED	QA/QC-RT-8527 8/10/87
VII.c-SBCO-009 1 ISAP VII.c RESULTS REPORT, APPENDIX 9, REV.1, PG 21 CAR 87-018, REV.1	PIPE CLEARANCE	RETRAIN DRAFTS TO ACP-11.1, WHICH REQUIRES NOTIFICATION OF ENGINEERING WHEN LOCATION SPECIFIED VIOLATES MINIMUM CLEARANCE REQUIREMENTS.	CAR 87-018, REV.1 VII.c-LBCO-007	CONCURRED	QA/QC-RT-8527 8/10/87
VII.c-SBCO-010 1 ISAP VII.c RESULTS REPORT, APPENDIX 9, REV.1, PG 22 CAR 87-018, REV.1	PIPE CLEARANCE	REVISE INSULATION INSPECTION PROCEDURE ACP-11.6 TO REQUIRE VERIFICATION OF CLEARANCES SUBSEQUENT TO INSULATION INSTALLATION.	CAR 87-018, REV.1 VII.c-LBCO-001	CONCURRED	QA/QC-RT-8527 8/10/87 REFERENCE VII.c-LBCO-001
VII.c-SBCO-011 1 ISAP VII.c RESULTS REPORT, APPENDIX 9, REV.1, PG 22 CAR 87-018, REV.1	PIPE CLEARANCE	ISSUE SPEC CPES-M-1017, PIPELINE DESIGNATION LIST, FOR IDENTIFICATION OF PIPE CLASS IN ORDER TO DETERMINE REQUIRED INSULATION THICKNESS.	CAR 87-018, REV.1 VII.c-LBCO-018	CONCURRED	QA/QC-RT-8527 8/10/87

ISAP I.d.1
 "QC Inspector Qualifications"

Finding No: Q-I.d.1-01 Description: LTA RESOLUTION OF IDENTIFIED PROBLEMS REGARDING INSPECTOR QUALIFICATIONS (POR-79) Class: QA/QC PROGRAM DEFICIENCY Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
I.d.1-004	1	ISAP I.d.1 RESULTS REPORT, REV.1, PG.63 CAR 87-067, REV.0, AMENDED	INDETERMINATE STATUS OF INSPECTORS BM-1 AND BM-3	THE INDETERMINATE STATUS OF THOSE TWO INSPECTORS (BM-1 AND BM-3) SHOULD BE RESOLVED IN CONJUNCTION WITH THE RESOLUTION OF QA/QC-POR-79 BY TU ELECTRIC.	POR-79 CAR 87-067, REV.0, AMENDED	CONCURRED	QA/QC-RT-10274, 3/30/88
I.d.1-013	1	ISAP I.d.1 RESULTS REPORT, REV.1, PGS 76-77 CAR 87-067 REV.0, AMENDED	TU ELECTRIC REVIEW OF INSPECTOR CERTIFICATION FILES	RECOMMEND THAT TU ELECTRIC REVIEW INSPECTOR CERTIFICATION FILES TO IDENTIFY PROBLEMS AND EVALUATE EACH CASE TO IDENTIFY PROPER RESOLUTIONS CONSIDERING: ADEQUATE DOCUMENTATION, REINSPECTIONS ARE ADEQUATE, PROPER CONSIDERATIONS HAS BEEN GIVEN IN DISPOSITION TO COMPUTER DATA BASE ERRORS.	CAR 87-067, REV.0, AMENDED POR-79	CONCURRED	QA/QC-RT-10123, 1/5/88 QA/QC-RT-9383, 10/26/87
I.d.1-031	1	ISAP I.d.1 RESULTS REPORT, REV.1, PG.76,77 CAR 87-067 REV.0, AMENDED	PCWP TO PROVIDE ASSURANCE OF DESIGN COMPLIANCE.	A POST CONSTRUCTION HARDWARE VALIDATION PROGRAM (PCWP) IS BEING CONDUCTED THAT WILL PROVIDE ADDED ASSURANCE THAT THE HARDWARE COMPLIES WITH THE VALIDATED DESIGN.	CAR 87-067 REV.0, AMENDED POR-79	CONCURRED	QA/QC-RT-9383, 10/26/87
I.d.1-033	1	ISAP I.d.1 RESULTS REPORT, REV.1, PG.76,77 CAR 87-067 REV.0, AMENDED	REVIEW OF CERTIFICATION FILES	THE INSPECTOR CERTIFICATION FILES WILL BE REVIEWED AND ALL ITEMS REQUIRING RESOLUTION COMPLETED BY JANUARY 29, 1988.	CAR 87-067 REV.0, AMENDED POR-79	CONCURRED	QA/QC-RT-9383, 10/26/87

FOR INFORMATION ONLY - DATA SUBJECT TO UPDATE WITHOUT NOTICE
 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP I.d.1
 "QC Inspector Qualifications"

Finding No: Q-1.d.1-02 Description: INSPECTION OF CABLE TRAY WELDS USING INADEQUATE ACCEPTANCE CRITERIA (POR-80) Class: QA/QC PROGRAM DEFICIENCY Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
1.d.1-014	1	ISAP I.d.1 RESULTS REPORT, REV.1, PG.77 CAR 87-033 REV.3	INADEQUATE ACCEPTANCE CRITERIA FOR CABLE TRAY WELDS.	INADEQUATE PROCEDURES FOR INSPECTION OF CABLE TRAY WELDS: TU ELECTRIC SHOULD INVESTIGATE THIS PROBLEM TO DETERMINE THE LENGTH OF TIME THAT IT EXISTED AND THE POSSIBLE IMPACT OF THE INADEQUACIES ON THE ACCEPTABILITY OF INSTALLED CABLE TRAY.	POR-80 CAR 87-033 REV.3	CONCURRED	QA/QC-RT-0691, 11/18/87

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP I.d.1
"QC Inspector Qualifications"

Finding No: Q-I.d.1-03 Description: INSPECTION OF EQUIPMENT SUPPORT WELDS W/O ACCEPTANCE CRITERIA (PDR-81) Class: QA/QC PROGRAM DEFICIENCY Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Description	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
I.d.1-015	1	ISAP I.d.1 RESULTS REPORT, REV.1, PG.77 CAR 87-068 REV.0	UNABLE TO REINSPECT (5) WELDS ON ELECTRICAL EQUIPMENT SUPPORTS DUE TO LACK OF ORIGINAL INSPECTION ACCEPTANCE CRITERIA.	THE ELECTRIC SHOULD INVESTIGATE TO DETERMINE THE EXTENT THAT WELD INSPECTIONS OF ELECTRICAL EQUIPMENT SUPPORTS MAY HAVE BEEN CONDUCTED WITHOUT APPROPRIATE INSPECTION CRITERIA AND WHAT IMPACT THIS PRACTICE MAY HAVE HAD ON THE EQUIPMENT.	CAR 87-068 REV.0 PDR-81	CONCURRED	QA/QC RT-9382, 10/26/87 QA INSPECTION PROCEDURE NQA 3.09-2.01 HAS BEEN ISSUED.
I.d.1-034	1	ISAP I.d.1 RESULTS REPORT, REV.1, PG.77 CAR 87-068 REV.0	REINSPECTION OF COMPONENTS BY PCNP	THE COMPONENTS SPECIFIED IN THE CAR WILL BE REINSPECTED IN CONJUNCTION WITH THE POST CONSTRUCTION HARDWARE VALIDATION PROGRAM SCHEDULE.	CAR 87-068, REV.0 PDR-81	CONCURRED	QA/QC/RT-9382, 10/26/87
I.d.1-035	1	ISAP I.d.1 RESULTS REPORT, REV.1, PG.77 CAR 87-068 REV.0	100% VALIDATION AND REINSPECTION OF AS-BUILT AND INSTALLED WELDS ON ELECTRICAL EQUIPMENT.	A 100 PERCENT VALIDATION AND REINSPECTION OF AS-BUILT AS INSTALLED WELDS ON ELECTRICAL EQUIPMENT SUPPORTS IS BEING PERFORMED UTILIZING FVM CPE-SPEC-FVM-CC/PC/IC/CS-090.	CAR 87-068, REV.0 PDR-81	CONCURRED	QA/QC/RT-9382, 10/26/87
I.d.1-037	1	ISAP I.d.1 RESULTS REPORT, REV.1, PG.77 CAR 87-068 REV.0	REVISION OF ES-100 AND SS-168.	ELECTRICAL EQUIPMENT SUPPORTS: REVISION TO SPECIFICATION 2323-ES-100 AND 2323-SS-168 HAVE BEEN INCORPORATED.	CAR 87-068, REV.0 PDR-81	CONCURRED	QA/QC/RT-9382, 10/26/87
I.d.1-038	1	ISAP I.d.1 RESULTS REPORT, REV.1, PG.77 CAR 87-068 REV.0	ISSUANCE OF PROCEDURES NQ1 3.09-M-007 AND NQ1-3.09-M-006.	PROCEDURES NQ1-3.09-M-007 AND NQ1-3.09-M-006 ARE EXPECTED TO BE COMPLETED BY NOVEMBER 1, 1987.	CAR 87-068, REV.0 PDR-81	CONCURRED	QA/QC/RT-9382, 10/26/87
I.d.1-040	1	ISAP I.d.1 RESULTS REPORT, REV.1, PG.77	TRAINING OF QC AND CONSTRUCTION PERSONNEL	ELECTRICAL EQUIPMENT SUPPORTS: TRAINING TO THE ABOVE REVISIONS FOR QC AND CONSTRUCTION PERSONNEL IS BEING ACCOMPLISHED AS A REQUIRED	CAR 87-068, REV.0	CONCURRED	(SPECIFICATION 2323-ES-100 AND 2323-SS-168)

- Cont'd -

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP I.d.1
"QC Inspector Qualifications"

Finding No: Q-I.d.1-03 Description: INSPECTION OF EQUIPMENT SUPPORT WELDS W/O ACCEPTANCE CRITERIA (PDR-81) Class: QA/QC PROGRAM DEFICIENCY Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
		CAR 87-068 REV.0		ONGOING ACTIVITY TO ASSURE THAT APPROPRIATE CONSTRUCTION, VALIDATION AND INSPECTION IS ACCOMPLISHED.	PDR-81		QA/QC/-RT-9382, 10/26/87
I.d.1-041	1	ISAP I.d.1 RESULTS REPORT, REV.1, PG.77 CAR 87-045, REV.1	QC INSPECTIONS USING AS-BUILT DRAWINGS	THE SITE PROGRAM FOR WALKDOWNS AND AS-BUILDING OF EXISTING HVAC INSTALLATIONS IS BEING PERFORMED IN ACCORDANCE WITH CPE-EB-FVM-CS-029 AND CPE-EB-FVM-CS-066. TU QUALITY CONTROL WILL THEN PERFORM FIELD INSPECTIONS USING AS-BUILT DRAWINGS.	CAR 87-045, REV.1 CAR 87-068, REV.0	CONCURRED	QA/QC/-RT-9332, 10/15/87

ISAP I.d.1
 QC Inspector Qualifications

Finding No: Q-1.d.1-04 Description: CERTIFICATION DISCREPANCIES FOR NINE BAHNSON INSPECTORS, ALONG WITH CERTIFICATION PROCEDURE INADEQUACIES (PGR-45) Class: QA/QC PROGRAM DEFICIENCY Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
I.d.1-012	1	ISAP I.d.1 RESULTS REPORT, REV.1, PG.77 CAR 87-045 REV.1	CERTIFICATION /DISCREPANCIES FOR BAHNSON INSPECTORS	TU ELECTRIC SHOULD CONDUCT AN EVALUATION OF THE IMPACT ON BAHNSON-INSTALLED EQUIPMENT OF INSPECTORS WITH QUESTIONABLE QUALIFICATIONS. DISCREPANCIES IN THE INSPECTOR CERTIFICATION PROGRAM SHOULD ALSO BE CONSIDERED. TU ELECTRIC SHOULD ALSO VERIFY THAT THEIR CURRENT QA PROGRAM IS ADEQUATE TO CONTROL SITE CONTRACTORS.	CAR 87-045, REV.1 PGR-45 REV.2	CONCURRED	QA/QC-RT-9332, 10/15/87
I.d.1-029	1	ISAP I.d.1 RESULTS REPORT, REV.1, PG.77 CAR 87-045, REV.1	QC INSPECTOR QUALIFICATION	FOR FUTURE SITE CONTRACTORS, COPIES OF INSPECTOR CERTIFICATIONS SHALL BE REVIEWED FOR ACCEPTABILITY BY THE TU ELECTRIC QA DEPARTMENT TO ASSURE PERSONNEL ARE APPROPRIATELY QUALIFIED PRIOR TO PERFORMANCE OF INSPECTION/NOE ACTIVITIES.	CAR 87-045, REV.1 PGR-45 REV.2	CONCURRED	QA/QC-RT-9332, 10/15/87
I.d.1-041	1	ISAP I.d.1 RESULTS REPORT, REV.1, PG.77 CAR 87-045, REV.1	QC INSPECTIONS USING AS-BUILT DRAWINGS	THE SITE PROGRAM FOR WALKDOWNS AND AS-BUILDING OF EXISTING HVAC INSTALLATIONS IS BEING PERFORMED IN ACCORDANCE WITH CPE-EB-FVM-CS-029 AND CPE-EB-FVM-CS-066. TU QUALITY CONTROL WILL THEN PERFORM FIELD INSPECTIONS USING AS-BUILT DRAWINGS.	CAR 87-045, REV.1 CAR 87-048, REV.0	CONCURRED	QA/QC-RT-9332, 10/15/87

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP I.d.1
QC Inspector Qualifications*

Finding No: Q-1.d.1-05 Description: INDETERMINATE QUALIFICATIONS OF CABLE PULLING INSPECTORS Class: UNCLASSIFIED TREND Recom'd'n Letter: N/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
1.d.1-016	1 ISAP I.d.1 RESULTS ADEQUACY OF CABLE INSTALLATION INSPECTIONS. REPORT, REV.1, PG.78	TU ELECTRIC SHOULD CONDUCT ADDITIONAL EVALUATIONS TO DETERMINE THE IMPACT, IF ANY, OF THE UNCLASSIFIED TREND FOR INDETERMINATELY QUALIFIED TU ELECTRIC QC INSPECTORS CONDUCTING CABLE PULLING INSPECTIONS ON THE ADEQUACY OF INSTALLED ELECTRICAL CABLE.	DR# C-87-4331	ISSUED	

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 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP 1.d.2

"Guidelines for Administration of QC Inspector Test"

Finding No: Q-1.d.2-01 Description: INADEQUATE PROGRAM FOR QC INSPECTOR CERTIFICATION Class: QA/QC PROGRAM DEFICIENCY Recom'd'n Letter: N/A
 (POR-35)

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
1.d.2-005	1	ISAP 1.d.2 RESULTS REPORT, REV.1, PG.28	PROCEDURAL PROBLEMS	PROCEDURAL PROBLEMS IDENTIFIED IN THE RESULTS REPORT FOR 1.d.2 HAVE BEEN CORRECTED BY TU ELECTRIC (SEE ATTACHMENT A OF RESULTS REPORT FOR 1.d.2).	POR-35	ISSUED	

ISAP VII.a.4
 "Audit Program and Auditor Qualification"
 Finding No: Q-VII.a.4-01 Description: INADEQUATE: AUDIT PROGRAM Class: SPECIAL CASE Recom'd'n Letter: N/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.a.4-001 3 ISAP VII.a.4 RESULTS REPORT, REV.1, SECTION 5.3, PG.40	QA AUDIT PROGRAM	IT IS RECOMMENDED THAT THE CPSES FSAR BE REVISED TO DEFINE THE RESPONSIBILITIES FOR THE AUDIT PROGRAM.	FSAR SECTION 17.3.1	N/A	AMENDMENT 59 TO THE FSAR ADEQUATELY DEFINES THE RESPONSIBILITIES FOR THE AUDIT PROGRAM
VII.a.4-002 3 ISAP VII.a.4 RESULTS REPORT, REV.1, SECTION 5.3, PG.41	QA AUDIT PROGRAM	CORRECTIVE ACTION WAS TAKEN IN DQP-QA-16, REV 0, TO DEFINE THE RESPONSIBILITIES FOR THE SUPERVISOR, QA AUDITS. THIS HAS BEEN REVIEWED AND FOUND ACCEPTABLE.	DQP-QA-16, REV.0	N/A	PROCEDURES MUST CONTINUE TO REFLECT ORGANIZATION AND POSITION RESPONSIBILITIES.
VII.a.4-003 3 ISAP VII.a.4 RESULTS REPORT, REV.1, SECTION 5.3, PG.41	QA AUDIT PROGRAM	IT IS RECOMMENDED THAT APPROPRIATE QA PROGRAM DOCUMENTS (e.g., CORPORATE QA PROGRAM, SITE QA PLAN) BE REVISED TO INCLUDE THE REQUIREMENTS STATED ON PG 41 OF THE RESULTS REPORT.	CORPORATE QA PROGRAM SITE QA PLAN	N/A	
VII.a.4-004 3 ISAP VII.a.4 RESULTS REPORT, REV.1, SECTION 5.3, PG.42	QA AUDIT PROGRAM	CORRECTIVE ACTION WAS TAKEN IN DQP-CS-4, REV. 11, TO REQUIRE THAT INTERNAL ANNUAL AUDITS BE PERFORMED.	PROCEDURE DQP-CS-4, REV.11	N/A	PROCEDURES MUST CONTINUE TO REFLECT AUDIT FREQUENCY AS DEFINED IN CONTROLLING DOCUMENTS.
VII.a.4-005 3 ISAP VII.a.4 RESULTS REPORT, REV.1, SECTION 5.3, PG.4c	QA VENDOR AUDIT PROGRAM	CORRECTIVE ACTION WAS TAKEN IN FSAR AMENDMENT 52 TO DEFINE COMMITMENTS TO REGULATORY GUIDES AND IN PROCEDURE DQP-CS-4, REV. 11, TO REFLECT THE COMMITMENT PERTAINING TO VENDOR AUDIT FREQUENCY.	CPSES FSAR PROCEDURE DQP-CS-4	N/A	PROCEDURES MUST CONTINUE TO REFLECT VENDOR AUDIT FREQUENCY IN ACCORDANCE WITH COMMITMENTS.

ISAP VII.C-4
 "Audit Program and Auditor Qualification"

Finding No: Q-VII.a.4-01 Description: INADEQUATE AUDIT PROGRAM Class: SPECIAL CASE Recom'd'n Letter: M/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.a.4-006 3 ISAP VII.a.4 RESULTS REPORT, REV.1, SECTION 5.3, PG.43	QA VENDOR AUDIT PROGRAM	CORRECTIVE ACTION WAS TAKEN IN DQP-CS-4 TO REQUIRE VENDOR AUDIT FREQUENCY IN ACCORDANCE WITH COMMITMENTS.	DQP-CS-4	N/A	PROCEDURES MUST CONTINUE TO REFLECT VENDOR AUDIT FREQUENCY IN ACCORDANCE WITH COMMITMENTS.
VII.a.4-007 3 ISAP VII.a.4 RESULTS REPORT, REV.1, SECTION 5.3, PG.44	QA AUDIT PROGRAM	CORRECTIVE ACTION BE TAKEN SUCH THAT: AUDITS ASSURE CONFORMANCE WITH THE DEVELOPED AND IMPLEMENTED PROGRAM BY THE USE OF AN "APPENDIX B CHECKLIST."	DQP-AG-2	N/A	USE OF APPENDIX B CHECKLIST OR SOME SIMILAR VEHICLE MUST CONTINUE. PREFERABLE METHOD TO ENSURE THIS IS TO INCORPORATE REQUIREMENT INTO IMPLEMENTING PROCEDURES.
VII.a.4-008 3 ISAP VII.a.4 RESULTS REPORT, REV.1, SECTION 5.3, PG.44	QA AUDIT PROGRAM	CORRECTIVE ACTION BE TAKEN SUCH THAT AUDIT PREPARATION WILL PROVIDE SUFFICIENT CHECKING OF PROGRAM ADEQUACY BY THE USE OF AN "APPENDIX B CHECKLIST."	DQP-AG-2	N/A	USE OF APPENDIX B CHECKLIST OR SOME SIMILAR VEHICLE MUST CONTINUE. PREFERABLE METHOD TO ENSURE THIS IS TO INCORPORATE REQUIREMENT INTO IMPLEMENTING PROCEDURES.
VII.a.4-009 3 ISAP VII.a.4 RESULTS REPORT, REV.1, SECTION 5.3, PG.45	QA AUDIT PROGRAM	CORRECTIVE ACTION WAS TAKEN IN: CQI-CS-4.6 TO REQUIRE AUDIT REPORTS TO CONTAIN ALL ELEMENTS AS REQUIRED BY COMMITMENTS.	CPI-CS-4.6	N/A	PROCEDURES MUST CONTINUE TO REFLECT THE REQUIREMENTS FOR AUDIT REPORT CONTENT IN ACCORDANCE WITH COMMITMENTS.
VII.a.4-010 3 ISAP VII.a.4 RESULTS REPORT,	AUDITOR QUALIFICATION	CORRECTIVE ACTION WAS TAKEN IN DQP-CS-4 TO REQUIRE THAT AUDIT TEAM LEADERS BE QUALIFIED	DQP-CS-4	N/A	PROCEDURES MUST CONTINUE TO REFLECT

Cont'd

ISAP VII.a.4
 "Audit Program and Auditor Qualification"

Finding No: 0-VII.a.4-01 Description: INADEQUATE AUDIT PROGRAM Class: SPECIAL CASE Recom'd'n Letter: N/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.a.4-011 3 ISAP VII.a.4 RESULTS REPORT, REV.1, SECTION 5.3, PG.45	QA AUDIT PROGRAM	CORRECTIVE ACTION WAS TAKEN IN DOP-AG-5 TO REQUIRE ADEQUATE DISTRIBUTION OF AUDIT REPORTS AND SUBSEQUENT PERTINENT CORRESPONDENCE.	DOP-AG-5	N/A	THE REQUIREMENT FOR QUALIFICATION OF AUDIT TEAM LEADER IN ACCORDANCE WITH COMMITMENTS.
VII.a.4-012 3 ISAP VII.a.4 RESULTS REPORT, REV.1, SECTION 5.3, PG.46	QA AUDIT PROGRAM	CORRECTIVE ACTION WAS TAKEN IN DOI-AG-1.8 TO REQUIRE VERIFICATION OF CORRECTIVE ACTION FOR AUDIT DEFICIENCIES IN A TIMELY MANNER.	DOI-AG-1.8	N/A	PROCEDURES MUST CONTINUE TO REFLECT THE REQUIREMENTS FOR ADEQUATE DISTRIBUTION OF AUDIT REPORTS AND SUBSEQUENT PERTINENT CORRESPONDENCE.
VII.a.4-013 3 ISAP VII.a.4 RESULTS REPORT, REV.1, SECTION 5.3, PG.47	AUDITOR QUALIFICATION	IT IS RECOMMENDED THAT CURRENTLY CERTIFIED LEAD AUDITORS WHO WERE NOT ADMINISTERED AN EXAMINATION BY OR FOR TUGCO BE ADMINISTERED AN EXAMINATION.	ANSI M45.2-23-1978, PARAGRAPH 4.2	N/A	PROCEDURES MUST CONTINUE TO PROVIDE POSITIVE STEPS TO REQUIRE TIMELY VERIFICATION OF CORRECTIVE ACTION FOR AUDIT DEFICIENCIES.
VII.a.4-016 2 ISAP VII.a.4 RESULTS REPORT, REV.1, SECTION 9.0, PG.52	QA AUDIT PROGRAM	TO PREVENT FUTURE OCCURRENCE OF SAME OR SIMILAR DEVIATIONS AND WEAKNESSES IN QA AUDIT PROGRAM, MANAGEMENT, PARTICULARLY SENIOR MANAGEMENT (VICE PRESIDENT AND ABOVE), MUST PARTICIPATE IN PROGRAM AND BE KEPT APPRISED OF AUDIT PROGRAM RESULTS.	N/A	ISSUED	
VII.a.4-017 2 ISAP VII.a.4 RESULTS REPORT,	AUDIT PROGRAM, MANAGEMENT ASSESSMENT	MANAGEMENT AT ALL LEVELS MUST UTILIZE OUTPUT OF AUDIT PROGRAM (AUDIT REPORTS, SUMMARIES,	N/A	ISSUED	THIS SHOULD BE ACCOMPLISHED BY

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Finding No: G-VII.a.4-01 Description: INADEQUATE AUDIT PROGRAM Class: SPECIAL CASE Recom'd'n Letter: N/A

ISAP VII.a.4
 "Audit Program and Auditor Qualification"

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.a.4-019	3	ISAP VII.a.4 RESULTS REPORT, REV.1, SECTION 5.3, PG.46	QA AUDIT PROGRAM	TREND ANALYSES) TO EVALUATE THE ADEQUACY AND EFFECTIVENESS OF THEIR PORTION OF THE QA PROGRAM.			DEVELOPING REQUIREMENTS FOR APPROPRIATE PARTICIPATION IN THE DEVELOPMENT OF CORRECTIVE ACTION FOR IDENTIFIED DEFICIENCIES AND FOLLOW-UP TO ENSURE THAT CORRECTIVE ACTION HAS BEEN EFFECTIVELY IMPLEMENTED.
				APPLICABLE PROCEDURES SHOULD BE REVISED TO DEFINE ADDRESSEES AND MINIMUM DISTRIBUTION FOR AUDIT REPORTS.	APPLICABLE PROCEDURES	N/A	

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ISAP VII.a.9
 Adequacy of Purchased and Safety-Related Material and Equipment

Finding No: Q-VII.a.9-01 Description: INADEQUATE DOOR LATCHING MECHANISM AND SUBSTITUTION OF UNDERSIZED TUBULAR BRACES IN UNIT 2 HOT SHUTDOWN PANEL (2 DRs)
 Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.a.9-001 1 ISAP VII.a.9 RESULTS REPORT, REV.1, PG.64, 31 CAR 88-003, REV.1	STRUCTURAL PROBLEMS ON UNIT 2 HOT SHUTDOWN PANEL	TU TO CONDUCT THE REQUIRED EVALUATIONS TO RESOLVE THE TWO UNCLASSIFIED DRs ON THE UNIT 2 HOT SHUTDOWN PANEL	CAR 88-003, REV.1 QA/QC-RT-10122	CONCURRED	QA/QC-RT-10296
VII.a.9-002 1 ISAP VII.a.9 RESULTS REPORT, REV.1, PG.64, 31 CAR 88-003, REV.1	STRUCTURAL PROBLEMS ON UNIT 2 HOT SHUTDOWN PANEL	TU TO REINSPECT ALL SEISMICALLY QUALIFIED ELECTRICAL PANELS SUPPLIED BY THE VENDOR OF THE HOT SHUTDOWN PANEL TO ENSURE THAT THE MAIN STRUCTURAL MEMBERS AND DOORS ARE AS SPECIFIED.	CAR 88-003 REV.1 QA/QC-RT-10122	CONCURRED	QA/QC-RT-10296
VII.a.9-003 1 ISAP VII.a.9 RESULTS REPORT, REV.1, PG.64, 31 CAR 88-003, REV.1	STRUCTURE PROBLEMS UNIT 2 HOT SHUTDOWN PANEL	TU TO CONDUCT A REVIEW OF MRC IE CIRCULARS, BULLETINS, AND NOTICES TO DETERMINE IF OTHER SUPPLIERS OF ELECTRICAL EQUIPMENT AND IN PARTICULAR THE VENDOR WHO SUPPLIED THE BATTERY CHARGER, HAVE HAD RELATED STRUCTURAL PROBLEMS REPORTED REGARDING SEISMIC QUALIFICATIONS. IF SO, EVALUATE THE POSSIBLE RELATIONSHIP TO CPSES EQUIPMENT AND TO DETERMINE IF ADDITIONAL ACTION IS REQUIRED.	CAR 88-003 REV.1 QA/QC-RT-10122	CONCURRED	QA/QC-RT-10296

ISAP VII.a.9
 Adequacy of Purchased and Safety-Related Material and Equipment

Finding No: Q-VII.a.9-02 Description: INCORRECT RATING OF RELAYS IN THE UNIT 1 AND 2 SOLID STATE SAFEGUARDS SYSTEM SEQUENCER. Class: ADVERSE TREND Recom'd'n Letter: N/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.a.9-004 1 ISAP VII.a.9 RESULTS REPORT, REV.1, PG.65,33 CAR 88-004, REV.1	INCORRECT RELAYS UNIT 1 & 2 SOLID STATE SEQUENCERS (VITROL LABS)	TU TO DEVELOP A PROGRAM TO VERIFY THAT CORRECT RELAYS COMPONENTS ARE INSTALLED IN CLASS IE EQUIPMENT SUPPLIED TO CPSES BY THE VENDOR WHO MANUFACTURED THE SOLID STATE SAFEGUARDS SYSTEM SEQUENCER. A REVIEW OF VENDOR DOCUMENTATION TO IDENTIFY DISCREPANCIES WOULD BE ACCEPTABLE IN LIEU OF REINSPECTIONS IF DESIRED.	CAR 88-004, REV.1 QA/QC-RT-10122	CONCURRED	CPRT-1141, 05/24/88
VII.a.9-005 1 ISAP VII.a.9 RESULTS REPORT, REV.1, PG.65,34 CAR 88-004, REV.1	INCORRECT RELAYS UNIT 1 & 2 (VITROL LABS-SOLID STATE SEQUENCERS)	TU TO REVIEW MRC IE CIRCULARS, BULLETINS, AND NOTICES TO DETERMINE IF OTHER SUPPLIERS OF ELECTRICAL EQUIPMENT HAVE HAD RELATED PROBLEMS WITH USE OF INCORRECT COMPONENTS. EVALUATE ANY PROBLEMS TO CONSIDER THE POSSIBLE RELATIONSHIP OF THESE PROBLEMS TO CPSES EQUIPMENT AND TO DETERMINE IF ADDITIONAL ACTION IS REQUIRED.	CAR 88-004, REV.1 QA/QC-RT-10122	CONCURRED	CPRT-1141, 05/24/88
VII.a.9-006 1 ISAP VII.a.9 RESULTS REPORT, REV.1, PG.65,34 CAR 88-004, REV.1	INCORRECT RELAYS UNIT 1 & 2 SOLID STATE SEQUENCERS	TU TO EVALUATE ENVIRONMENTAL QUALIFICATION PROGRAM TO DETERMINE IF IT CAN BE UTILIZED TO PROVIDE ADDITIONAL CONFIDENCE REGARDING THE INSTALLATION OF CORRECT RELAYS IN ELECTRICAL EQUIPMENT.	CAR 88-004, REV.1 QA/QC-RT-10122	CONCURRED	CPRT-1141, 05/24/88

ISAP VII.a.9
 "Adequacy of Purchased and Safety-Related Material and Equipment"

Finding No: Q-VII.a.9-03 Description: CONFIGURATION AND WIRING/TERMINATION DEVIATIONS RELATING TO LIMITORQUE VALVE OPERATORS (7 DRs) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRI Concurrence	Remarks
VII.a.9-009	2	ISAP VII.a.9 RESULTS REPORT, REV.1, PG.63	LIMITORQUE VALVE OPERATORS	TU ISSUED FIELD VERIFICATION METHOD TE-FWM-EQ-047 TO RESOLVE DISCREPANCIES INVOLVING LIMITORQUE VALVE OPERATORS. ALL INSTALLED LIMITORQUE MOTOR OPERATORS WILL BE REINSPECTED.	FWM-47	ISSUED	

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ISAP VII.a.9
 Adequacy of Purchased and Safety-Related Material and Equipment

Finding No: 0-VII.a.9-C; Description: OVERSIZED ELECTRICAL CABLE (CABLE WITH JACKET EXCEEDS MAXIMUM SPECIFIED O.D.) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.a.9-012	1	ISAP VII.a.9 RESULTS REPORT, REV.1, PG.66	OVERSIZE ELECTRICAL CABLE	TU ELECTRIC HAD ALSO IDENTIFIED OVERSIZED ELECTRICAL CABLE AS AN AREA OF CONCERN AND HAD INITIATED A PROGRAM TO EVALUATE OVERSIZE CONDITIONS THE CONCERN AND PLANNED EVALUATION ARE DOCUMENTED ON SOAR CP-87-99.	MCR CE-8832 SOAR CP-87-99	ISSUED	

ISAP VII-a.9
 "Adequacy of Purchased and Safety-Related Material and Equipment"

Finding No: 0-VII-a.9-05 Description: LOOSE SCREW-TYPE ELECTRICAL CONNECTIONS (3 DBs) Class: MANUFACTURING DEFICIENCY Recom'd'n Letter: N/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII-a.9-007 1 ISAP VII-a.9 RESULTS REPORT, REV.1, PG.63 CAR 87-076 REV.0	LOOSE ELECTRICAL CONNECTIONS	TIJ STARTUP PREREQUISITE TEST INSTRUCTION XCP-EE-20, WILL BE REVISED TO VERIFY TIGHTNESS OF TERMINATIONS FOR FIELD TERMINATED CABLES AND ASSOCIATED VENDOR-TERMINATED WIRING ON SCREW-TYPE TERMINAL BLOCKS.	CAR 87-076 REV.0	CONCURRED	QA/QC-RT-10100 12/23/87
VII-a.9-015 1 ISAP VII-a.9 RESULTS REPORT, REV.1, PG.63, 69 CAR 87-076 REV.0	LOOSE ELECTRICAL CONNECTIONS	XCP-EE-20 WILL BE IMPLEMENTED DURING TU ELECTRIC "PRESTART TEST" PROGRAM. XCP-EE-20 HAS BEEN MODIFIED TO REQUIRE THAT CONNECTIONS ON TERMINAL BLOCKS BE SPECIFICALLY VERIFIED TO BE TIGHT.	CAR 87-076 REV.0	CONCURRED	QA/QC-RT-10100 12/23/87
VII-a.9-016 1 ISAP VII-a.9 RESULTS REPORT, REV.1, PG.63 CAR 87-076 REV.0	LOOSE ELECTRICAL CONNECTIONS	ALL WORK PERFORMED ON WIRING OR TERMINATIONS AFTER COMPLETION OF INITIAL TESTING PER XCP-EE-20 REQUIRES STATUS WORK AUTHORIZATIONS (SWAs) IN WHICH RETEST REQUIREMENTS ARE SPECIFIED TO THE ORIGINAL XCP-EE-20 CRITERIA.	CAR 87-076 REV.0	CONCURRED	QA/QC-RT-10100 12/23/87

ISAP VII-a.9
 "Adequacy of Purchased and Safety-Related Material and Equipment"

Finding No: 0-VII-a.9-06 Description: ELECTRICAL SEPARATION VIOLATIONS (12 DRs) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: M/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII-a.9-008	2	ISAP VII-a.9 RESULTS REPORT, REV.1 PG 63 STIR E-006, REV.0	ELECTRICAL SEPARATION	A FIELD VERIFICATION METHOD FVN-88 HAS BEEN DEVELOPED BY TU FOR REVERIFICATION OF ELECTRICAL SEPARATION FOR UNIT 1 AND COMMON MULTI-TRAIN EQUIPMENT AND PANELS, AND A COMMITMENT THAT UNIT 2 MULTI-TRAIN EQUIPMENT AND PANELS WILL BE REVERIFIED HAS BEEN MADE	STIR-E-006, REV.0	ISSUED	

ISAP VII-a-9
 "Adequacy of Purchased and Safety-Related Material and Equipment."
 Description: USE OF CRIMPED WIRE CONNECTORS (IN LIEU OF LUGGED RING
 CONNECTORS) FOR THE UNIT 1 AND 2 CENTRIFUGAL WATER
 CHILLERS (3 DRs)

Finding No: Q-VII-a-9-07 Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII-a-9-010 1 ISAP VII-a-9 RESULTS REPORT, REV.1, PG.64 CAR 88-008 REV.0	CRIMPED WIRE CONNECTORS (ENVIRONMENTAL QUALIFICATION)	TU TO RESOLVE DEVIATIONS INVOLVING THREE DRs REGARDING CRIMP WIRE CONNECTORS. TU SHOULD ALSO TAKE ACTION TO CORRECT THIS POTENTIAL PROBLEM IN THE REMAINING TWO CHILLERS. THE CRIMPED WIRE CONNECTORS WERE NOT ENVIRONMENTALLY QUALIFIED.	CAR 88-008 REV.0 QA/QC-RT-10190	CONCURRED	QA/QC-RT-10273 3-25-88

ISAP VII.a.9
 "Adequacy of Purchased and Safety-Related Material and Equipment"

Finding No: 0-VII.a.9-08 Description: ADDITIONAL RECOMMENDATIONS RESULTING FROM REVIEW OF COMPOSITE TREND ANALYSIS RESULTS Class: COLLECTIVE EVALUATION Recom'd'n Letter: M/A

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.a.9-011 1 ISAP VII.a.9 RESULTS REPORT, REV.1, PG. 66,68 CAR 88-011, REV.0	ADDITIONAL CORRECTIVE ACTION (PROCUREMENT PROGRAM)	TU TO CONDUCT AN ADDITIONAL AND MORE DETAILED EVALUATION OF THE PORTION OF THE PROCUREMENT PROGRAM DEALING WITH ELECTRICAL EQUIPMENT TO VERIFY THAT CURRENT ACTIVITIES SUCH AS ENGINEERING REVIEWS, VENDOR SURVEILLANCE, AND RECEIPT INSPECTION, ARE BEING CONDUCTED IN SUFFICIENT DEPTH TO PREVENT RECURRENCE OF THE TYPES OF FINDINGS THAT WERE IDENTIFIED.	QA/OC-RT-10272 CAR 88-011 REV.0	CONCURRED	QA/OC-RT-10296
VII.a.9-013 1 ISAP VII.a.9 RESULTS REPORT, REV.1, PG.66	ADDITIONAL CORRECTIVE ACTION	TU TO REVIEW NCR IE CIRCULARS, BULLETINS, AND NOTICES TO IDENTIFY SPECIFIC PROBLEMS RELATED TO STRUCTURAL INTEGRITY AND USE OF CORRECT COMPONENTS FOR ELECTRICAL EQUIPMENT EXPAND THESE REVIEWS TO INCLUDE A REVIEW FOR ALL PROBLEMS RELATED TO ELECTRICAL EQUIPMENT AND VERIFICATION THAT APPROPRIATE ACTION HAS BEEN TAKEN TO RESOLVE THOSE PROBLEMS THAT MAY HAVE IMPACTED CPSES.	QA/OC-RT-10272	CONCURRED	CPRT-1141, 05/24/88

ISAP V.b
 "Improper Shortening of Anchor Bolts in Steam Generator Upper Lateral Supports"

Finding No: S-V.b-01 Description: INADEQUATE DESIGN AND INSTALLATION OF STEAM GENERATOR UPPER LATERAL (SQUL) SUPPORTS Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: N/A

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
V.b-005	1	ISAP V.b RESULTS REPORT, REV.0, PG.17	UNIT 2 OBSERVATIONS	OBSERVATIONS OF THE UNIT 2 SQULS ARE SIMILAR TO THOSE IN UNIT 1. CORRECTIVE MEASURES IMPLEMENTED FOR UNIT 1 WILL ALSO BE IMPLEMENTED FOR UNIT 2.	N/A	ISSUED	
V.b-006	1	ISAP V.b RESULTS REPORT, REV.0, PG.26, 28, 44	ADEQUACY OF RICHMOND INSERTS	PROGRAM 1.0 DETERMINE THE ADEQUACY OF ALL RICHMOND INSERTS IN THE PLANT WAS ESTABLISHED BY THE PROJECT. BASED ON THE RESULTS OF THIS PROGRAM, APPROPRIATE CORRECTIVE ACTION WILL BE IMPLEMENTED.	STIR-CPRT-5-001, ISAP VII-c APPENDIX 33	ISSUED	
V.b-009	1	ISAP V.b RESULTS REPORT, REV.0, PG.53	PROGRAM WEAKNESSES	TU ELECTRIC IS IMPLEMENTING A CORRECTIVE ACTION PROGRAM TO RESOLVE THE ISSUES THAT ARE POTENTIALLY GENERIC.	N/A	ISSUED	
V.b-010	1	ISAP V.b RESULTS REPORT, REV.0, PG.53	PROGRAM WEAKNESSES	TU ELECTRIC IS IMPLEMENTING A CORRECTIVE ACTION PROGRAM TO CORRECT ROOT CAUSES OF PAST PROGRAMMATIC WEAKNESSES.	N/A	ISSUED	
V.b-013	1	ISAP V.b RESULTS REPORT, REV.0 PG.53	SHIMS FOR SQUL SUPPORTS	INSTALL NEW SHIMS IN UNIT 1 SQUL SUPPORTS FOLLOWED BY INSTALLATION AND PRETENSIONING OF BOLTS.	N/A	ISSUED	

ISAP VII.b.3
 "Pipe Support Inspections"

Finding No: S-VII.b.3-01 Description: NO LOCKING DEVICE FOR THREADED FASTENERS (GENERIC CD).
 (SEE ALSO S-LSBR-03, S-LBSM-02, AND S-SBPS-02.) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-2

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.b.3-0A1 1	ISAP VII.b.3 RESULTS REPORT, REV.1, PG.39 CAR-066X, REV.2, CAR-067X REV.2	LOCKING DEVICES	INSPECT ALL ASME CLASS 1, 2, AND 3 PIPE SUPPORT BOLTS AND STUDS, OTHER THAN HIGH-STRENGTH BOLTS, FOR APPROVED LOCKING DEVICES. THIS SHOULD INCLUDE JAM NUTS USED ON BARREL OF STRUTS AND SAFETY WIRE USED ON SMUBBER BOLTING.	ISAP VII.c RESULTS REPORT CAR-066X, REV.3, CAR-067X, REV.2	CONCURRED 06/19/87 06/09-RT-10110, 12/30/87

FOR INFORMATION ONLY - DATA SUBJECT TO UPDATE WITHOUT NOTICE
 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.b.3
 Pipe Support Inspections

File # 8-VII.7-02 Description: NO CLEARANCE BETWEEN CIRCUMFERENTIAL PIPE BUTT WELD AND SUPPORT Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-8

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.b.3-003	1	ISAP VII.b.3 RESULTS REPORT, REV.1, PG.40 CAR-096X, REV.1	GAPS	MODIFY INSPECTION PROCEDURES TO INCLUDE MINIMUM AXIAL DISTANCES BETWEEN PIPE BUTT WELDS AND SUPPORTS.	ISAP VII.c RESULTS REPORT CAR-096X, REV.1	CONCURRED	QA/QC-RT-7509, 06/19/87 QA/QC-RT-10110, 12/30/87
VII.b.3-004	1	ISAP VII.b.3 RESULTS REPORT, REV.1, PG.40 CAR-096X, REV.2	GAPS	PER NEW CRITERIA, INSPECT ALL ASME CLASS 1, 2, AND 3 PIPE SUPPORTS AND CLASS 5 AND 6 PIPE SUPPORTS WITHIN ASME III PIPE STRESS BOUNDARY.	ISAP VII.c RESULTS REPORT CAR-096X, REV.2	CONCURRED	QA/QC-RT-7509, 06/19/87 QA/QC-RT-10110, 12/30/87

FOR INFORMATION ONLY - DATA SUBJECT TO UPDATE WITHOUT NOTICE
 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.b.3
 Pipe Support Inspections

Finding No: S-VII.b.3-03 Description: LOOSE LOCKOUT ON PIPE CLAMP

Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-2

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.b.3-001 1 ISAP VII.b.3 RESULTS REPORT, REV.1, PG.39 CAR-066X, REV.2, CAR-067X REV.2	LOCKING DEVICES	INSPECT ALL ASME CLASS 1, 2, AND 3 PIPE SUPPORT BOLTS AND STUDS, OTHER THAN HIGH-STRENGTH BOLTS, FOR APPROVED LOCKING DEVICES. THIS SHOULD INCLUDE JAW NUTS USED ON BARREL OF STRUTS AND SAFETY WIRE USED ON SWABBER BOLTING.	ISAP VII.c RESULTS REPORT CAR-066X, REV.3, CAR-067X, REV.2	CONCURRED	QA/QC-RT-7509, 06/19/87 QA/QC-RT-10110, 12/30/87

ISAP VII.b.3
 "pipe Support Inspections"

Finding No: S-VII.b.3-04 Description: STRUT MISALIGNMENT - ANGULARITY (SEE ALSO S-LBSM-03.) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-4

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.b.3-005	1	ISAP VII.b.3 RESULTS REPORT, REV.1, PG.40 CAR-060X, REV.2	ANGULARITY	INSPECT ALL ASME CLASS 1, 2, AND 3 PIPE SUPPORTS AND CLASS 5 AND 6 PIPE SUPPORTS WITHIN ASME III PIPE STRESS BOUNDARY FOR CORRECT ANGULARITY, FOR DAMAGE, AND FOR ANGULARITY/ OR LINEAR DIMENSIONS THAT AFFECT SUPPORT ORIENTATION.	ISAP VII.c RESULTS REPORT POR-061*	CONCURRED	*NOT A QA/QC PROGRAM DEFICIENCY QA/QC-RT-7509, 06/19/87 QA/QC-RT-10110, 12/30/87

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 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.b.3
 "Pipe Support Inspections"

Finding No: S-VII.b.3-05 Description: MISSING COTTER PIN (SEE ALSO S-LBOW-04.) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-1

Commitment No.	Type	Source document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.b.3-002	1	ISAP VII.b.3 RESULTS REPORT, REV.1, PG.39-40 CAR-065X, REV.3	COTTER PINS	INSPECT ALL ASME CLASS 1, 2, AND 3 PIPE SUPPORTS AND CLASS 5 AND 6 PIPE SUPPORTS WITHIN ASME III PIPE STRESS BOUNDARY FOR BROKEN, MISSING, AND UNDERSIZED COTTER PINS AND SNAP RINGS.	ISAP VII.c RESULTS REPORT CAR-065X, REV.3	CONCURRED	QA/QC-RT-7509, 06/19/87 QA/QC-RT-10110, 12/30/87
VII.b.3-009	1	ISAP VII.b.3 RESULTS REPORT, REV.1, PG.40 CAR-065X, REV.3	INSPECTION OF COTTER PINS/SNAP RINGS	REWORK SHOULD BE PERFORMED ON BASIS OF ENGINEERING-APPROVED PROCEDURES THAT INDICATE SPECIFIC COTTER PIN/SNAP RING SIZES FOR LOAD PINS FOR EACH SUPPORT MODEL/SIZE.	ISAP VII.c RESULTS REPORT CAR-065X, REV.3	CONCURRED	QA/QC-RT-7509, 06/19/87 QA/QC-RT-10110, 12/30/87
VII.b.3-011	1	ISAP VII.b.3 RESULTS REPORT, REV.1, PG.40 CAR-065X REV.3	INSPECTION OF COTTER PINS/SNAP RINGS.	INSPECTION SHOULD BE PERFORMED ON BASIS OF ENGINEERING-APPROVED PROCEDURES THAT INDICATE SPECIFIC COTTER PIN/SNAP RING SIZES FOR LOAD PINS FOR EACH SUPPORT MODEL/SIZE.	ISAP VII.c RESULTS REPORT CAR-065X REV.3	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87

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 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

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ISAP VII.b.3
 Pipe Support Inspections

Finding No: S-VII.b.3-06 Description: BROKEN AND MISSING LOCKWIRES ON SHRUBBER ADAPTER PLATE Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-2
 BOLTING

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.b.3-001	1	ISAP VII.b.3 RESULTS REPORT, REV.1, PG.39 CAR-066X, REV.2, CAR-067X REV.2	LOCKING DEVICES	INSPECT ALL ASME CLASS 1, 2, AND 3 PIPE SUPPORT BOLTS AND STUDS, OTHER THAN HIGH-STRENGTH BOLTS, FOR APPROVED LOCKING DEVICES. THIS SHOULD INCLUDE JAM NUTS USED ON BARREL OF STRUTS AND SAFETY WIRE USED ON SHRUBBER BOLTING.	ISAP VII.c RESULTS REPORT CAR-066X, REV.3, CAR-067X, REV.2	CONCURRED	0A/QC-RT-7509, 06/19/87 0A/QC-RT-10110, 12/30/87

ISAP VII.b.3
 pipe Support Inspections

Finding No: S-VII.b.3-07 Description: LOOSE JAM NUT ON BARREL OF STRUT (SEE ALSO S-LBSR-05.) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: S-3

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.b.3-001 1 ISAP VII.b.3 RESULTS REPORT, REV.1, PG.39 CAR-066X, REV.2, CAR-067X REV.2	LOCKING DEVICES	INSPECT ALL ASME CLASS 1, 2, AND 3 PIPE SUPPORT BOLTS AND STUDS, OTHER THAN HIGH-STRENGTH BOLTS, FOR APPROVED LOCKING DEVICES. THIS SHOULD INCLUDE JAM NUTS USED ON BARREL OF STRUTS AND SAFETY WIRE USED ON SMIBBER BOLTING.	ISAP VII.c RESULTS REPORT CAR-066X, REV.3, CAR-067X, REV.2	CONCURRED	02/02-RT-7509, 06/19/87 04/02-RT-10110, 12/30/87

ISAP VII.b.3
 "pipe Support Inspections"

Finding No: S-VII.b.3-08 Description: GAPS BETWEEN PIPE AND SUPPORT (SEE ALSO S-LBSR-02 AND S-SBPS-01.) Class: UNCLASSIFIED DEVIATION Recom'd'n Letter: S-B

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VI.b.3-003 1 ISAP VII.b.3 RESULTS REPORT, REV.1, PG.40 CAR-096X, REV.1	GAPS	MODIFY INSPECTION PROCEDURES TO INCLUDE MINIMUM AXIAL DISTANCES BETWEEN PIPE BUTT WELDS AND SUPPORTS.	ISAP VII.c RESULTS REPORT CAR-096X, REV.1	CONCURRED	QA/QC-RT-75-09, 06/19/87 QA/QC-RT-10110, 12/30/87
VII.b.3-004 1 ISAP VII.b.3 RESULTS REPORT, REV.1, PG.40 CAR-096X, REV.2	GAPS	PER NEW CRITERIA, INSPECT ALL ASME CLASS 1, 2, AND 3 PIPE SUPPORTS AND CLASS 5 AND 6 PIPE SUPPORTS WITHIN ASME III PIPE STRESS BOUNDARY.	ISAP VII.c RESULTS REPORT CAR-096X, REV.2	CONCURRED	QA/QC-RT-75-09, 06/19/87 QA/QC-RT-10110, 12/30/87

ISAP VII-C-RVDS
 "HVAC Duct Supports"

Finding No: S-RVDS-01 Description: DUCT NOT ATTACHED TO DUCT SUPPORT (2 CDS) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-7

Commitment No. Type Source Document	Description	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrency	Remarks
VII-C-RVDS-001 1 ISAP VII-C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2	ALL ATTRIBUTES	100% WALKDOWN AND AS-BUILT PROGRAM FOR HVAC DUCTS AND SUPPORTS. TASK DESCRIPTION FOR ENGINEERING WALKDOWN TE-TD-EF-029, REV.1 (REF. CPE-FVM-CS-029)	CAR-111, REV.2 CAR 87-042, REV.0, POR-057	CONCURRED	QA/QC-RT-7509 6/19/87
VII-C-RVDS-002 1 ISAP VII-C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2	ALL ATTRIBUTES	CORRECT ALL DUCT SUPPORT DRAWINGS, AND REEVALUATE DESIGN OF DUCT SUPPORTS. TASK DESCRIPTION FOR DESIGN VERIFICATION AND SITE SUPPORT TE-TD-EB-030, REV. 1.	CAR-111, REV.2, POR-057 CAR 87-042, REV.0, POR-037	CONCURRED	QA/QC-RT-7509 6/19/87
VII-C-RVDS-003 1 ISAP VII-C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2	ALL ATTRIBUTES	REVISE DUCT LAYOUT DRAWINGS TO SHOW CORRECT LOCATION OF ALL SUPPORTS.	CAR-111, REV.2, POR 057	CONCURRED	QA/QC-RT-7509 6/19/87
VII-C-RVDS-004 1 ISAP VII-C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2	ALL ATTRIBUTES	REEVALUATE ALL WELDS, INCLUDING DUCT-TO-SUPPORT WELDS, BY AS-BUILDING, SPECIFICALLY THOSE THAT REQUIRED FIT-UP.	CAR-111, REV.2, POR 057	CONCURRED	QA/QC-RT-7509 6/19/87
VII-C-RVDS-005 1 ISAP VII-C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2	ALL ATTRIBUTES	REVIEW BANNON'S RECORDS FOR ASSURANCE OF MATERIAL ACCEPTABILITY. IF ASSURANCE CANNOT BE OBTAINED, WORST-CASE ASSUMPTIONS WILL BE MADE FOR DESIGN VERIFICATION.	CAR-111, REV.2, POR 057	CONCURRED	QA/QC-RT-7509 6/19/87
VII-C-RVDS-006 1 ISAP VII-C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2	ALL ATTRIBUTES	REVISE GOVERNING DESIGN, FABRICATION, AND INSTALLATION SPEC MS-85.	CAR-111, REV.2, POR-057 CAR 87-042, REV.0, POR-037	CONCURRED	QA/QC-RT-7509 6/19/87

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII-C-HVDS
"HVAC Duct Supports"

Finding No: S-HVDS-01 Description: DUCT NOT ATTACHED TO DUCT SUPPORT (2 CDs) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-7

Commitment No. / Type / Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII-C-HVDS-007 1 ISAP VII-C RESULTS REPORT, APPENDIX 31, REV. 1, PG. 23 CAR-111 REV. 2, STIR-S-001	ALL ATTRIBUTES	IMPLEMENT TEST PROGRAM TO ESTABLISH ALLOWABLE LOADINGS FOR BOLTS ON CONCRETE INSERTS WITH LESS THAN FULL THREAD ENGAGEMENT. DEMONSTRATE ACCEPTABILITY THROUGH MARGIN ANALYSIS OF MOST HEAVILY LOADED. INCLUDE EFFECT OF PRETENSIONING BOLTS DURING INSTALLATION.	CAR-111, REV. 2 STIR-S-001	CONCURRED	QA/QC-RT-7509 6/19/87 QA/QC-RT-9380 10/23/87
VII-C-HVDS-009 1 ISAP VII-C RESULTS REPORT, APPENDIX 31, REV. 1, PG. 23 CAR-111, REV. 2	ALL ATTRIBUTES	REPAIR WORK WILL BE DONE UNDER CONSTRUCTION PROCEDURES. ECC-10.99, RV-001, RV-002, RV-003, RV-004, RV-005, -006, AND -007.	CAR-111, REV. 2 POR 057	CONCURRED	QA/QC-RT-7509 6/19/87
VII-C-HVDS-010 1 ISAP VII-C RESULTS REPORT, APPENDIX 31, REV. 1, PG. 23 CAR-111, REV. 2	ALL ATTRIBUTES	100% QC REINSPECTION IF DUCT SUPPORTS FOR SAFETY-RELATED DUCTS. (CPE-FVM-CS-029, Q1-QP-11.14-14) (Q1-QP-11.14-15 FOR REMORK.)	CAR-111, REV. 2 CAR 87-042, REV. 0, POR-037, PLJ-057	CONCURRED	QA/QC-RT-7509 6/19/87
VII-C-HVDS-011 1 ISAP VII-C RESULTS REPORT, APPENDIX 31, REV. 1, PG. 23 CAR-111 REV. 2, EBT-2692	ASSURANCE THAT RECORDS OF QC ACCEPTANCE ARE COMPLETE AND ACCURATE.	AFTER REINSPECTION OF HVAC DUCT SUPPORTS FOR SAFETY RELATED ATTRIBUTES IS COMPLETE, REVIEW EXISTING DOCUMENTATION AND COMBINE WITH NEW DOCUMENTATION TO ENSURE THAT RECORDS OF QC ACCEPTANCE ARE COMPLETE AND ACCURATE.	CAR-111 REV. 2, POR 057, VII-C-HVDS-010	CONCURRED	QA/QC-RT-7509 6/19/87
VII-C-HVDS-012 1 ISAP VII-C RESULTS REPORT, APPENDIX 31, REV. 1, PG. 17 CAR 87-042, REV. 0	HARDWARE DEVIATIONS RESULTING FROM POR-037	RCR'S ASSOCIATED WITH #1 DEFICIENCY REPORTS ADDRESSED BY THE CAR WILL BE DISPOSITIONED IN CONJUNCTION WITH PROJECT SCHEDULES FOR SYSTEM/ROOM/AREA TURNOVER.	CAR 87-042, REV. 0, POR-037	CONCURRED	QA/QC-RT-7509 06/19/87

CPIR FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII-C-RVE-5
"HVAC Duct Support"

Finding No: S-WDS-02 Description: ALL ATTRIBUTES Class: UNCLASSIFIED TRM-0 Record'n Letter: S-7

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPIR Concurrency	Remarks
VII-C-WDS-001	1	ISAP VII-C RESULTS REPORT, APPENDIX 31, REV. 1, PG. 23 CAR-111, REV. 2	ALL ATTRIBUTES	100% MAKEUP AND AS-BUILT PROGRAM FOR HVAC DUCTS AND SUPPORTS. 100% DESCRIPTION FOR ENGINEERING MAKEUP IN TE-10-EB-039, REV. 1 (REF. CPE-FRM-13-029)	CAR-111, REV. 2 CAR 87-04-REV. 0, PDR-057, PDR-037	CONCURRED	0A/0C-RT-7509 6/19/87
VII-C-WDS-002	1	ISAP VII-C RESULTS REPORT, APPENDIX 31, REV. 1, PG. 23 CAR-111, REV. 2	ALL ATTRIBUTES	CORRECT ALL DUCT SUPPORT DRAWINGS, AND RE-EVALUATE DESIGN OF DUCT SUPPORTS. TASK DESCRIPTION FOR DESIGN VERIFICATION AND SITE SUPPORT TE-10-EB-030, REV. 1.	CAR-111, REV. 2, PDR-057 CAR 87-042, REV. 0, PDR-037	CONCURRED	0A/0C-RT-7509 6/19/87
VII-C-WDS-003	1	ISAP VII-C RESULTS REPORT, APPENDIX 31, REV. 1, PG. 23 CAR-111, REV. 2	ALL ATTRIBUTES	REVISE DUCT LAYOUT DRAWINGS TO SHOW CORRECT LOCATION OF ALL SUPPORTS.	CAR-111, REV. 2, PDR-057	CONCURRED	0A/0C-RT-7509 6/19/87
VII-C-WDS-004	1	ISAP VII-C RESULTS REPORT, APPENDIX 31, REV. 1, PG. 23 CAR-111, REV. 2	ALL ATTRIBUTES	RE-EVALUATE ALL WELDS, INCLUDING DUCT-TO-SUPPORT WELDS, BY AS-BUILDING, SPECIFICALLY THOSE THAT REQUIRED FIT-UP.	CAR-111, REV. 2, PDR-057	CONCURRED	0A/0C-RT-7509 6/19/87
VII-C-WDS-005	1	ISAP VII-C RESULTS REPORT, APPENDIX 31, REV. 1, PG. 23 CAR-111, REV. 2	ALL ATTRIBUTES	REVIEW BAINSON'S RECORDS FOR ASSURANCE OF MATERIAL ACCEPTABILITY. IF ASSURANCE CANNOT BE OBTAINED, WORST CASE ASSUMPTIONS WILL BE MADE FOR DESIGN VERIFICATION.	CAR-111, REV. 2, PDR-057	CONCURRED	0A/0C-RT-7509 6/19/87
VII-C-WDS-006	1	ISAP VII-C RESULTS REPORT, APPENDIX 31, REV. 1, PG. 23 CAR-111, REV. 2	ALL ATTRIBUTES	REVISE GOVERNING DESIGN, FABRICATION, AND INSTALLATION SPEC MS-05.	CAR-111, REV. 2, PDR-057 CAR 87-042, REV. 0, PDR-037	CONCURRED	0A/0C-RT-7509 6/19/87

ISAP VII.C-HVDS
 "HVAC Duct Supports"

Finding No: S-HVDS-02 Description: ALL ATTRIBUTES Class: UNCLASSIFIED TREND Recommendation Letter: S-7

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Occurrence	Remarks
VII.C-HVDS-007 1 ISAP VII.C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111 REV.2, STIR-S-001	ALL ATTRIBUTES	IMPLEMENT TEST PROGRAM TO ESTABLISH ALLOWABLE LOADINGS FOR BOLTS ON CONCRETE INSERTS WITH LESS THAN FULL THREAD ENGAGEMENT. DEMONSTRATE ACCEPTABILITY THROUGH MARGIN ANALYSIS OF MOST HEAVILY LOADED. INCLUDE EFFECT OF PRETENSIONING BOLTS DURING INSTALLATION.	CAR-111, REV.2 STIR-S-001	CONCURRED	QA/QC-RT-7509 6/19/87 QA/QC-RT-9380 10/23/87
VII.C-HVDS-009 1 ISAP VII.C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2	ALL ATTRIBUTES	REPAIR WORK WILL BE DONE UNDER CONSTRUCTION PROCEDURES. (CC-10.99, HV-001, HV-002, HV-003, HV-004, HV-005, -006, AND -007.)	CAR-111, REV.2 POR 057	CONCURRED	QA/QC-RT-7509 6/19/87
VII.C-HVDS-010 1 ISAP VII.C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2	ALL ATTRIBUTES	100% QC REINSPECTION OF DUCT SUPPORTS FOR SAFETY-RELATED DUCTS. (CPE-FVM-CS-029, Q1-QP-11.14-14) (Q1-QP-11.14-15 FOR REMARK.)	CAR-111, REV.2 CAR 87-042, REV.0, POR-037, POR-057	CONCURRED	QA/QC-RT-7509 6/19/87
VII.C-HVDS-011 1 ISAP VII.C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111 REV.2, EB-1-2692	ASSURANCE THAT RECORDS OF QC ACCEPTANCE ARE COMPLETE AND ACCURATE.	AFTER REINSPECTION OF HVAC DUCT SUPPORTS FOR SAFETY RELATED ATTRIBUTES IS COMPLETE, REVIEW EXISTING DOCUMENTATION AND COMBINE WITH NEW DOCUMENTATION TO ENSURE THAT RECORDS OF QC ACCEPTANCE ARE COMPLETE AND ACCURATE.	CAR-111 REV.2, POR 057, VII.C-HVDS-010	CONCURRED	QA/QC-RT-7509 6/19/87
VII.C-HVDS-012 1 ISAP VII.C RESULTS REPORT, APPENDIX 31, REV.1, PG 17 CAR 87-042, REV.0	HARDWARE DEVIATIONS RESULTING FROM POR-037	MCR'S ASSOCIATED WITH 41 DEFICIENCY REPORTS ADDRESSED BY THE CAR WILL BE DISPOSITIONED IN CONJUNCTION WITH PROJECT SCHEDULES FOR SYSTEM/ROOM/AREA TURNOVER.	CAR 87-042, REV.0, POR-037	CONCURRED	QA/QC-RT-7509 06/19/87

ISAP VII.C-HVDS
 "HVAC Duct Supports"

Finding No: S-HVDS-03 Description: QA/QC PROGRAM DEFICIENCIES FOR: MISSING RICHMONG-
 INSERT DOCUMENTATION (PDR-37), MISSING WELDING
 INSPECTION AND DOCUMENTATION (PDR-57) Class: QA/QC PROGRAM DEFICIENCY Recom'd'n Letter: S-7

Commitment No.	Type	Source Document	Description	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.C-HVDS-001	1	ISAP VII.C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2	ALL ATTRIBUTES	100% WALKDOWN AND AS-BUILT PROGRAM FOR HVAC DUCTS AND SUPPORTS. TASK DESCRIPTION FOR ENGINEERING WALKDOWN TE-TD-EB-029, REV.1 (REF. CPE-FVM-CS-029)	CAR-111, REV.2 CAR 87-042, REV.0, PDR-057, PDR-037	CONCURRED	QA/QC-RT-7509 6/19/87
VII.C-HVDS-002	1	ISAP VII.C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2	ALL ATTRIBUTES	CURRENT ALL DUCT SUPPORT DRAWINGS, AND REEVALUATE DESIGN OF DUCT SUPPORTS. TASK DESCRIPTION FOR DESIGN VERIFICATION AND SITE SUPPORT TE-TD-EB-030, REV. 1.	CAR-111, REV.2, PDR-057 CAR 87-042, REV.0, PDR-037	CONCURRED	QA/QC-RT-7509 6/19/87
VII.C-HVDS-003	1	ISAP VII.C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2	ALL ATTRIBUTES	REVISE DUCT LAYOUT DRAWINGS TO SHOW CORRECT LOCATION OF ALL SUPPORTS.	CAR-111, REV.2, PDR 057	CONCURRED	QA/QC-RT-7509 6/19/87
VII.C-HVDS-004	1	ISAP VII.C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2	ALL ATTRIBUTES	REEVALUATE ALL WELDS, INCLUDING DUCT-TO-SUPPORT WELDS, BY AS-BUILDING, SPECIFICALLY THOSE THAT REQUIRED FIT-UP.	CAR-111, REV.2, PDR 057	CONCURRED	QA/QC-RT-7509 6/19/87
VII.C-HVDS-005	1	ISAP VII.C RESULTS REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2	ALL ATTRIBUTES	REVIEW BAINSON'S RECORDS FOR ASSURANCE OF MATERIAL ACCEPTABILITY. IF ASSURANCE CANNOT BE OBTAINED, WORST-CASE ASSUMPTIONS WILL BE MADE FOR DESIGN VERIFICATION.	CAR-111, REV.2, PDR 057	CONCURRED	QA/QC-RT-7509 6/19/87
VII.C-HVDS-006	1	ISAP VII.C RESULTS REPORT, APPENDIX 31, REV.1, PG.23	ALL ATTRIBUTES	REVISE GOVERNING DESIGN, FABRICATION, AND INSTALLATION SPEC MS-85.	CAR-111, REV.2, PDR-057	CONCURRED	QA/QC-RT-7509 6/19/87

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ISAP VII.-c-HVDS
 "HVAC Duct Supports"

Finding No: S-HVDS-03 Description: QA/QC PROGRAM DEFICIENCIES FOR: MISSING RICHMOND INSERT DOCUMENTATION (PDR-37), MISSING WELDING INSPECTION AND DOCUMENTATION (PDR-57) Class: QA/QC PROGRAM DEFICIENCY Recom'd'n Letter: S-7

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.-c-HVDS-007	1	CAR-111, REV.2 ISAP VII.-c RESULTS ALL ATTRIBUTES REPORT, APPENDIX 31, REV.1, PG.23 CAR-111 REV.2, STIR-S-001		IMPLEMENT TEST PROGRAM TO ESTABLISH ALLOWABLE LOADINGS FOR BOLTS ON CONCRETE INSERTS WITH LESS THAN FULL THREAD ENGAGEMENT. DEMONSTRATE ACCEPTABILITY THROUGH MARGIN ANALYSIS OF MOST HEAVILY LOADED. INCLUDE EFFECT OF PRETENSIONING BOLTS DURING INSTALLATION.	CAR-111, REV.2 STIR-S-001	CONCURRED	QA/QC-RT-7509 6/19/87 QA/QC-RT-9380 10/23/87
VII.-c-HVDS-009	1	ISAP VII.-c RESULTS ALL ATTRIBUTES REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2		REPAIR WORK WILL BE DONE UNDER CONSTRUCTION PROCEDURES. ECC-10-99, HV-001, HV-002, NV-003, NV-004, HV-005, -006, AND -007.	CAR-111, REV.2 PDR-057	CONCURRED	QA/QC-RT-7509 6/19/87
VII.-c-HVDS-010	1	ISAP VII.-c RESULTS ALL ATTRIBUTES REPORT, APPENDIX 31, REV.1, PG.23 CAR-111, REV.2		100% QC REINSPECTION OF DUCT SUPPORTS FOR SAFETY-RELATED DUCTS. (CPE-FVM-CS-029, QI-OP-11.14-14) (QI-OP-11.14-15 FOR REMORK.)	CAR-111, REV.2 CAR-87-042, REV.0, PDR-037, PDR-057	CONCURRED	QA/QC-RT-7509 6/19/87
VII.-c-HVDS-011	1	ISAP VII.-c RESULTS ASSURANCE THAT RECORDS OF QC ACCEPTANCE ARE COMPLETE AND ACCURATE. CAR-111 REV.2, EB-T-2692		AFTER REINSPECTION OF HVAC DUCT SUPPORTS FOR SAFETY RELATED ATTRIBUTES IS COMPLETE, REVIEW EXISTING DOCUMENTATION AND COMBINE WITH NEW DOCUMENTATION TO ENSURE THAT RECORDS OF QC ACCEPTANCE ARE COMPLETE AND ACCURATE.	CAR-111 REV.2, PDR-057, VII.-c-HVDS-010	CONCURRED	QA/QC-RT-7509 6/19/87
VII.-c-HVDS-012	1	ISAP VII.-c RESULTS HARDWARE DEVIATIONS RESULTING FROM PDR-037 CAR-87-042, REV.0		MCR'S ASSOCIATED WITH 41 DEFICIENCY REPORTS ADDRESSED BY THE CAR WILL BE DISPOSITIONED IN CONJUNCTION WITH PROJECT SCHEDULES FOR SYSTEM/ROOM/AREA TURNOVER.	CAR-87-042, REV.0, PDR-037	CONCURRED	QA/QC-RT-7509 06/19/87

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FOR INFORMATION ONLY - DATA SUBJECT TO UPDATE WITHOUT NOTICE
 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.C-HVDS
 "HVAC Duct Supports"

Finding No: S-#905-03 Description: QA/QC PROGRAM DEFICIENCIES FOR: MISSING RICHMOND
 INSERT DOCUMENTATION (PDR-37), MISSING WELDING
 INSPECTION AND DOCUMENTATION (PDR-57) Class: QA/QC PROGRAM DEFICIENCY Recom'd'n Letter: S-7

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
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ISAP VII.c-IMSP
 "Instrument Tube Supports"

Finding No: S-IMSP-01 Description: UNISTRUT BOLTING: INADEQUATE TORQUE AND MISALIGNED SPRING NUT Class: CONSTRUCTION DEFICIENCY Recorp'd'n Letter: S-6

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-IMSP-007	1	ISAP VII.c RESULTS REPORT, APPENDIX 28, REV.1, PG.35 CAR-07ZX, REV.3	RETRAINING OF CRAFT AND QC PERSONNEL	RETRAIN CONSTRUCTION, QC, AND MAINTENANCE PERSONNEL, INCLUDING SUPERVISORY PERSONNEL AS APPROPRIATE, TO ENSURE THAT REQUIREMENTS FOR FUTURE INSTALLATIONS OF INSTRUMENT TUBE SUPPORTS ARE UNDERSTOOD.	CAR-07ZX, REV.3 CAR 87-040, REV.0	CONCURRED	QA/QC-RT-8579 8/17/87
VII.c-IMSP-009	1	ISAP VII.c RESULTS REPORT, APPENDIX 28, REV.1, PG 34, 35 CAR-07ZX, REV.3	UNISTRUT BOLTING	FOR EXISTING INSTALLATIONS, TORQUE AND ALIGN THE UNISTRUT SPRING NUTS PER SPECS.	CAR-07ZX, REV.3 CAR 87-040, REV.0	CONCURRED	QA/QC-RT-8579 8/17/87 THIS REINSPECTION APPLIES TO SUPPORTS OF INSTRUMENTATION DESIGNATED BY A BLACK DIAMOND, SAFETY CLASS 1, 2, AND 3 OR ANSI SAFETY CLASS AS INDICATED ON DRAWING SERIES 2323-WI-2500.
VII.c-IMSP-011	1	ISAP VII.c RESULTS REPORT, APPENDIX 28, REV.1, PG.34, 35 CAR-07ZX, REV.3	UNISTRUT BOLTING	REVIEW CONSTRUCTION PROCEDURES AND QC PROCEDURES TO ENSURE THAT REQUIREMENTS FOR TORQUING AND ALIGNMENT OF UNISTRUT SPRING NUTS ARE PROPERLY INCORPORATED.	CAR-07ZX, REV.3 CAR 87-040, REV.0	CONCURRED	QA/QC-RT-8579 08/17/87

ISAP VII.-c-INSP
 "Instrument Tube Supports"

Finding No: S-INSP-02 Description: LOOSE NON-UNISTRUT SPRING NUT BOLTS Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-6

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.-c-INSP-007 1	ISAP VII.-c RESULTS REPORT, APPENDIX 2B, REV. 1, PG. 35 CAR-072X, REV. 3	RETRAINING OF CRAFT AND QC PERSONNEL RETRAIN CONSTRUCTION, QC, AND MAINTENANCE PERSONNEL, INCLUDING SUPERVISORY PERSONNEL AS APPROPRIATE, TO ENSURE THAT REQUIREMENTS FOR FUTURE INSTALLATIONS OF INSTRUMENT TUBE SUPPORTS ARE UNDERSTOOD.	CAR-072X, REV. 3 CAR 87-040, REV. 0	CONCURRED	QA/QC-RT-8579 8/17/87
VII.-c-INSP-008 1	ISAP VII.-c RESULTS REPORT, APPENDIX 2B, REV. 1, PG. 35 CAR-072X, REV. 3	LOOSE NON-UNISTRUT BOLTS REINSPECT THE EXISTING INSTRUMENT TUBE SUPPORTS TO ASSURE THAT ALL CONNECTIONS UTILIZING NON-UNISTRUT-SPRING-NUT TYPE BOLTING ARE TORQUED IN ACCORDANCE WITH THE DESIGN REQUIREMENTS.	CAR-072X, REV. 3 CAR 87-040, REV. 0	CONCURRED	QA/QC-RT-8579 8/17/87 THIS REINSPECTION IS APPLICABLE TO SUPPORTS OF INSTRUMENTATION DESIGNATED BY A BLACK DIAMOND, SAFETY CLASS 1, 2, AND 3 OR ANSI SAFETY CLASS AS INDICATED ON DRAWING SERIES 2323-MI-2500
VII.-c-INSP-010 1	ISAP VII.-c RESULTS REPORT, APPENDIX 2B, REV. 1, PG. 35 CAR-072X, REV. 3	LOOSE NON-UNISTRUT BOLTS EVALUATE ADEQUACY OF CONSTRUCTION AND INSPECTION (QI-QP-11.8-5) PROCEDURES, REVISE AS NECESSARY.	CAR-072X, REV. 3 CAR 87-040, REV. 0	CONCURRED	QA/QC-RT-8579 08/17/87

ISAP VII.c-INSP
 Instrument Tube Supports

Finding No: S-IMSP-03 Description: TUBE RESTRAINT CLAMPS NOT PER DRAWINGS (INCLUDES OUT-OF-SCOPE OBSERVATION) Class: UNCLASSIFIED TREND Recom'd'n Letter: S-13

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-IMSP-001 1 ISAP VII.c RESULTS REPORT, APPENDIX 28, REV.1, PG.34 CAR 87-040, REV.0 QA/QC-RT-6079 (REC. S-13)	TUBE CLAMPS NOT IN ACCORDANCE WITH DRAWINGS.	TUBE RESTRAINTS: REINSPECT INSTR TUBES TO ENSURE SUPPORT PER CURRENT CONSTRUCTION PROCEDURES (ICP-4). (I.E., ENSURE THAT CLAMP TYPE AND LOCATION IS IN ACCORDANCE WITH THE GENERIC DESIGN DRAWING 2323-1-002.)	CAR-072X, REV.3 CAR 87-040, REV.0	CONCURRED	QA/QC-RT-8579 8/17/87
VII.c-IMSP-007 1 ISAP VII.c RESULTS REPORT, APPENDIX 28, REV.1, PG.35 CAR-072X, REV.3	RETRAINING OF CRAFT AND QC PERSONNEL	RETRAIN CONSTRUCTION, QC, AND MAINTENANCE PERSONNEL, INCLUDING SUPERVISORY PERSONNEL AS APPROPRIATE, TO ENSURE THAT REQUIREMENTS FOR FUTURE INSTALLATIONS OF INSTRUMENT TUBE SUPPORTS ARE UNDERSTOOD.	CAR-072X, REV.3 CAR 87-040, REV.0	CONCURRED	QA/QC-RT-8579 8/17/87

ISAP VII.c-INSP
 "Instrument Tube Supports"

Finding No: S-INSP-04 Description: INADEQUATE THREAD ENGAGEMENT ON UNISTRUT SPRING BOLTING Class: UNCLASSIFIED TREND Recom'd'n Letter: S-6

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-INSP-007	1	ISAP VII.c RESULTS REPORT, APPENDIX 28, REV.1, PG.35 CAR-072X, REV.3	RETRAINING OF CRAFT AND QC PERSONNEL	RETAIN CONSTRUCTION, QC, AND MAINTENANCE PERSONNEL, INCLUDING SUPERVISORY PERSONNEL AS APPROPRIATE, TO ENSURE THAT REQUIREMENTS FOR FUTURE INSTALLATIONS OF INSTRUMENT TUBE SUPPORTS ARE UNDERSTOOD.	CAR-072X, REV.3 CAR 87-040, REV.0	CONCURRED	QA/QC-RT-8579 8/17/87
VII.c-INSP-009	1	ISAP VII.c RESULTS REPORT, APPENDIX 28, REV.1, PG 34, 35 CAR-072X, REV.3	UNISTRUT BOLTING	FOR EXISTING INSTALLATIONS, TORQUE AND ALIGN THE UNISTRUT SPRING NUTS PER SPECS.	CAR-072X, REV.3 CAR 87-040, REV.0	CONCURRED	QA/QC-RT-8579 8/17/87 THIS REINSPECTION APPLIES TO SUPPORTS OF INSTRUMENTATION DESIGNATED BY A BLACK DIAMOND, SAFETY CLASS 1, 2, AND 3 OR ANSI SAFETY CLASS AS INDICATED ON DRAWING SERIES 2323-W1-2500.

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-LBSN
"Large-Bore Pipe Supports - Non-Rigid"

Finding No: S-LBSN-01 Description: COMPONENTS - INCORRECT ADJUSTMENT OF A SPRING CAN ASSEMBLY Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-3

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-LBSN-001	1	ISAP VII.c RESULTS REPORT, APPENDIX 26, REV.1, PG 43, SECTION 4.1 CAR 87-013 REV.0	INCORRECTLY ADJUSTED COMPONENTS: STARTUP TO ISSUE WRITTEN INSTRUCTIONS	STARTUP TO ISSUE WRITTEN INSTRUCTIONS DEFINING WORK REQUIRED AND CRITERIA TO WHICH WORK WILL BE PERFORMED (e.g., CONSTRUCTION PROCEDURES, TRAVELER INSPECTION PROVISIONS).	CAR 87-013, REV.0	CONCURRED	QA/QC-RT-7509 6/19/87 PROCEDURE ME-10 WAS REVISED TO INCLUDE THIS BEFORE FINAL RESPONSE TO CAR.
VII.c-LBSN-002	1	ISAP VII.c RESULTS REPORT, APPENDIX 26, REV.1, PG 43, SECTION 4.1 CAR 87-013, REV.0	COMPONENTS: QC TO INSPECT ACTIVITIES	INDIVIDUAL CHECKLISTS WILL BE ISSUED TO IMPLEMENT HVP FOR EACH SUPPORT IN ACCORDANCE WITH QAP-12.1, REV. 18. REWORK, AS REQUIRED, ACCEPTANCE, AND DOCUMENTATION WILL BE PROVIDED FOR EACH SUPPORT.	CAR 87-013, REV.0	CONCURRED	QA/QC-RT-7509 6/19/87 CHECKLISTS WERE DEVELOPED AND ARE PROVIDED IN APPENDIX 1 OF CP-QAP-12.1, REV. 18, PER LETTER ME-5741 (5/5/87).
VII.c-LBSN-003	1	ISAP VII.c RESULTS REPORT, APPENDIX 26, REV.1, PG 43, SECTION 4.1 CAR 87-013, REV.0	COMPONENTS: REVIEW AND REVISE PERTINENT PROCEDURES.	PERTINENT PROCEDURES WERE REVIEWED AND REVISIONS MADE AS NECESSARY TO PRECLUDE MODIFICATIONS OR ADJUSTMENTS TO PIPE SUPPORTS WITHOUT PROPER REINSTALLATION. OPERATIONS PROCEDURES ARE CURRENTLY UNDER REVIEW AND WILL BE ISSUED PRIOR TO COMPLETION OF HVP.	CAR 87-013, REV.0	CONCURRED	QA/QC-RT-7509 6/19/87
VII.c-LBSN-004	1	ISAP VII.c RESULTS REPORT, APPENDIX 26, REV.1, PG 43, SECTION 4.1 CAR 87-013, REV.0	COMPONENTS: INSTRUCT CRAFT TO WORK TO WRITTEN PROCEDURES.	CONSTRUCTION PERSONNEL WILL BE TRAINED CONCERNING INSTALLATION OF UNAUTHORIZED MATERIAL AND INCORRECT HARDWARE.	CAR 87-013, REV.0	CONCURRED	QA/QC-RT-7509 6/19/87 PER LETTER ME-5741, TRAINING OF CONSTRUCTION PERSONNEL WAS CONDUCTED PRIOR TO HVP IMPLEMENTATION.
VII.c-LBSN-005	1	ISAP VII.c RESULTS REPORT, APPENDIX 26, REV.1, PG 43, SECTION 4.1	ESTABLISHED HVP TO PERFORM 100% REINSPECTION OF ASME SUPPORTS	HARDWARE VALIDATION PROGRAM HAS BEEN DEVELOPED FOR 100% REINSPECTION OF UNIT 1 AND COMMON ASME CLASS 1, 2, AND 3 PIPE SUPPORTS (INCLUDING CLASS 5 AND 6 PIPE SUPPORTS WITHIN STRESS PROBLEM AREAS OF STRESS	CAR 87-013, REV.0	CONCURRED	QA/QC-RT-7509 6/19/87

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-LBSN
 "Large-Bore Pipe Supports - Non-Rigid"

Finding No: S-LBSN-01 Description: COMPONENTS - INCORRECT ADJUSTMENT OF A SPRING CAN ASSEMBLY Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-3

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
		CAR 87-013, REV.0		REQUALIFICATION PROGRAM).			

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-LBSN
"Large-Bore Pipe Supports - Non-Rigid"

Finding No: S-LBSN-02 Description: LOCKING DEVICES ON THREADED FASTENERS (2 CDs: ONE SPECIFIC AND ONE GENERIC TO ALL PIPE SUPPORT POPULATIONS) (SEE ALSO S-LBSR-03, S-SBPS-02, AND S-VII.b.3-01.) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-2

Commitment No.	Type	Source Document	Description	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-LBSN-006	1	ISAP VII.c RESULTS REPORT, APPENDIX 26, REV.1, PG 43, SECTION 4.2 CAR-066X, REV.3	LOCKING DEVICES: REVIEW AND REVISE SPEC.	ENGINEERING WILL REVISE SPECIFICATION NUMBER 2323-MS-100 VIA DCA TO ADEQUATELY SPECIFY REQUIREMENTS FOR LOCKING DEVICES.	CAR-066X, REV.3	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.c-LBSN-007	1	ISAP VII.c RESULTS REPORT, APPENDIX 26, REV.1, PG 43, SECTION 4.2 CAR-066X, REV.3	LOCKING DEVICES: SUITABLE LOCKING DEVICES TO BE INSTALLED	PROPER INSTALLATION OF LOCKING DEVICES IS INCLUDED AS SPECIFIC ATTRIBUTE FOR PIPE SUPPORTS TO BE REINSPECTED UNDER HARDWARE VERIFICATION PROGRAM. REWORK AS NECESSARY, ACCEPTANCE, AND DOCUMENTATION WILL BE DONE FOR ALL PIPE SUPPORTS INSPECTED UNDER HVP.	CAR-066X, REV.3	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.c-LBSN-008	1	ISAP VII.c RESULTS REPORT, APPENDIX 26, REV.1, PG 43, SECTION 4.2, PG 40 CAR-066X, REV.3	LOCKING DEVICES: UPDATE SUPPORTING DOCUMENTATION.	SWEC-PSE TO REVIEW VARIOUS QC, STARTUP, OPERATIONS, AND CONSTRUCTION PROCEDURES AND IDENTIFY WHERE MODIFICATIONS/ADJUSTMENTS COULD BE MADE WITHOUT ASSURANCE THAT PIPE SUPPORT COMPONENTS WOULD BE REINSTALLED PER DESIGN. PROCEDURES TO BE REVISED AS NECESSARY BEFORE IMPLEMENTATION OF HVP.	CAR-066X, REV.3	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.c-LBSN-017	1	ISAP VII.c RESULTS REPORT, APPENDIX 26, REV.1, PG 43, SECTION 4.2 CAR-066X REV.3	LOCKING DEVICES: REVISE PROCEDURE	CONSTRUCTION PROCEDURE CP-CPM-9-10A WILL BE REVISED AS NECESSARY TO INCORPORATE THE REVISED ENGINEERING REQUIREMENTS OF SPEC MS-100.	CAR-066X REV.3	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.c-LBSN-018	1	ISAP VII.c RESULTS REPORT, APPENDIX 26, REV.1, PG 43, SECTION 4.2	LOCKING DEVICES: REVISE PROCEDURE	QC PROCEDURE QI-QAP-11-1-28 WILL BE REVISED AS NECESSARY TO INCORPORATE THE REVISED ENGINEERING REQUIREMENTS OF SPEC MS-100	CAR-066X, REV.3	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87

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CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-LBSM
 "Large-Bore Pipe Supports - Non-Rigid"

Finding No: S-LBSM-02 Description: LOCKING DEVICES ON THREADED FASTENERS (2 CDs: ONE SPECIFIC AND ONE GENERIC TO ALL PIPE SUPPORT POPULATIONS) (SEE ALSO S-LBSR-03, S-SBPS-02, AND S-VII.b.3-01.) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-2

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
		CAR-066X REV.3					

ISAP VII.-c-LBSM
 "Large-Bore Pipe Supports - Non-Rigid"

Finding No: S-LBSM-03 Description: ANGULARITY OF SNUBBER ASSEMBLY (2 CDs) (SEE ALSO S-VII.b.3-04.) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-4

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.-c-LBSM-009 1 ISAP VII.-c RESULTS REPORT, APPENDIX 26, REV. 1, PG 44, SECTION 4.3 CAR-068X, REV.3	ANGULARITY: OPERATIONS REVIEW OF ITS PROCEDURES	TO ASSURE PIPE SUPPORT INSTALLATION TO DESIGN PARAMETERS, NUCLEAR OPERATIONS WILL ISSUE INSTALLATION AND MAINTENANCE INSTRUCTIONS TO REQUIRE VERIFICATION OF ATTRIBUTES THAT CONCERN ADJUSTMENT OF PIPE SUPPORT CLAMPS.	CAR-068X, REV.3	CONCURRED	QA/9C-RT-7509 06/19/87 QA/9C-RT-10110 12/30/87
VII.-c-LBSM-010 1 ISAP VII.-c RESULTS REPORT, APPENDIX 26, REV. 1, PG 44, SECTION 4.3 CAR-068X, REV.3	ANGULARITY: VERIFY THAT ANGULARITY MEETS DESIGN REQUIREMENT.	HARDWARE VALIDATION PROGRAM (HVP) HAS BEEN DEVELOPED FOR 100% REINSPECTION OF UNIT 1 AND COMMON ASME CLASS 1, 2, AND 3 PIPE SUPPORTS (INCLUDING CLASS 5 AND 6 PIPE SUPPORTS WITHIN STRESS PROBLEM BOUNDARIES OF STRESS REQUALIFICATION PROGRAM).	CAR-068X, REV.3	CONCURRED	QA/9C-RT-7509 06/19/87 QA/9C-RT-10110 12/30/87 ANGULARITY OF STRUTS AND SNUBBERS WAS REVERIFIED PER LINE "INTERNAL GUIDELINES FOR AS-BUILT VERIFICATION UNIT 1" (2/27/86).

ISAP VII.c-LBSM
 "Large-Bore Pipe Supports - Non-Rigid"

Finding No: S-LBSM-04 Description: FASTENERS - BROKEN COTTER KEY (SEE ALSO S-VII.b.3-05.) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-1

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-LBSM-011 1 ISAP VII.c RESULTS REPORT, APPENDIX 26, REV.1, PG 44, SECTION 4.4 CAR-065X, REV.2	FASTENERS: REVISE CONSTRUCTION AND STARTUP PROCEDURES.	CONSTRUCTION PROCEDURE CP-CPM-9.10A AND STARTUP PROCEDURE XCP-ME-10 TO BE REVIEWED & REISSUED REQUIRING QC VERIFICATION OF PIPE SUPPORT AFTER REMOVAL/REPLACEMENT OF COTTER PINS. SMEC-PSAS TO REVIEW PROCEDURES, IDENTIFY WHERE MODIFICATIONS/ADJUSTMENTS COULD BE MADE WITHOUT ASSURING THAT PIPE SUPPORT COMPONENTS WOULD BE REINSTALLED PER DESIGN.	CAR-065X, REV.2	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.c-LBSM-012 1 ISAP VII.c RESULTS REPORT, APPENDIX 26, REV.1, PG 44, SECTION 4.4 CAR-065X, REV.2	FASTENERS: MISSING OR BROKEN COTTER PINS	THE MVP WAS DEVELOPED FOR 100% REINSPECTION OF UNIT 1 & COMMON ASME CLASS 1, 2, AND 3 PIPE SUPPORTS (INCLUDING CLASS 5, 6 SUPPORTS WITHIN STRESS PROBLEM BOUNDS OF STRESS REQUALIFICATION PROGRAM). PROPER INSTALLATION OF COTTER PINS/SMAP RINGS INCLUDED AS SPECIFIC ATTRIBUTES FOR PIPE SUPPORTS REINSPECTED UNDER MVP.	CAR-065X, REV.2	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87

ISAP VII.c-LBSR
 "Large-Bore Pipe Supports - Rigid"

Finding No: S-LBSR-01 Description: INCORRECT COMPONENTS: BOLT SIZE SMALLER THAN ROLE Class: CONSTRUCTION IEFFICIENCY Recom'd'n Letter: S-9

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/ Commitments	Status of CPRT Concurrence	Remarks
VII.c-LBSR-001 1 ISAP VII.c RESULTS REPORT, APPENDIX 25, REV.1, PG 47 CAR 87-013, REV.0	INCORRECT COMPONENTS	TRAIN CONSTRUCTION PERSONNEL CONCERNING INSTALLATION OF UNAUTHORIZED MATERIAL AND INCORRECT HARDWARE. (THIS WAS COMPLETED PRIOR TO IMPLEMENTATION OF HVP.)	CAR 87-013, REV.0	CONCURRED	QA/QC-RT-7509 06/19/87
VII.c-LBSR-002 1 ISAP VII.c RESULTS REPORT, APPENDIX 25, REV.1, PG 47 CAR 87-013, REV.0	INCORRECT COMPONENTS	PERTINENT PROCEDURES WERE REVIEWED AND REVISIONS MADE AS NECESSARY TO PRECLUDE MODIFICATIONS OR ADJUSTMENTS TO PIPE SUPPORTS WITHOUT PROPER REINSTALLATION. OPERATIONS PROCEDURES ARE CURRENTLY UNDER REVIEW AND WILL BE ISSUED PRIOR TO COMPLETION OF HVP.	CAR 87-013, REV.0	CONCURRED	QA/QC-RT-7509 6/19/87
VII.c-LBSR-003 1 ISAP VII.c RESULTS REPORT, APPENDIX 25, REV.1, PG 47 CAR 87-013, REV.0	INCORRECT COMPONENTS	100% REINSPECTION OF UNIT 1 AND COMMON ASME CLASS 1, 2, AND 3 PIPE SUPPORTS	CAR 87-013, REV.0 CP-OAP-12.1	CONCURRED	QA/QC-RT-7509 6/19/87
VII.c-LBSR-004 1 ISAP VII.c RESULTS REPORT, APPENDIX 25, REV.1, PG 47 CAR 87-013 REV.0, PSE-2534	INCORRECT COMPONENTS	TO ENSURE FULFILLMENT OF INSPECTION OBJECTIVES, QC INSPECTORS OF VENDOR-SUPPLIED HARDWARE IN ISSUANCE AND FINAL ACCEPTANCE SHOULD BE FURTHER TRAINED CONCERNING COMPONENTS BEING INSPECTED FOR PROPER HARDWARE.	CAR 87-013, REV.0	CONCURRED	QA/QC-RT-7509 6/19/87

ISAP VII.c-LBSR
 "Large-Bore Pipe Supports - Rigid"

Finding No: S-LBSR-02 Description: INCORRECT GAPS BETWEEN PIPE AND SUPPORT (SEE ALSO S- SBPS-01 AND S-VII.b.3-08.) Class: ADVERSE TREND Recom'd'n Letter: S-8

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-LBSR-005	1	ISAP VII.c RESULTS REPORT, APPENDIX 25, REV.1, PG 47, 48 CAR-096X, REV.2	GAPS	100% REINSPECTION OF UNIT 1 AND COMMON ASME CLASS 1, 2, AND 3 PIPE SUPPORTS AS WELL AS CLASS 5 AND 6 PIPE SUPPORTS WITHIN STRESS PROBLEM BOUNDARIES OF STRESS REQUALIFICATION PROGRAM TO DETERMINE LOCATION OF PIPE/SOCKET WELDS ADJACENT TO RIGID SUPPORTS.	CAR-096X, REV.2 CP-GAP-12.1	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87 REINSPECTION SHOULD INCLUDE ALL ATTRIBUTES EXCEPT WELDING.
VII.c-LBSR-006	1	ISAP VII.c RESULTS REPORT, APPENDIX 25, REV.1, PG 47, 48 CAR-096X, REV.2	GAPS	DCA 25866, REV. 0, INITIATED 12/5/86 TO PROVIDE CRITERIA FOR DETERMINING HOW CLOSE TO PIPING WELD A SUPPORT MAY BE PLACED.	CAR-096X, REV.2 DCA 25866	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87 01-GAP-11.1-28 AND CP-CPM-9.10 WILL BE REVISED TO INCORPORATE DCA 25866.
VII.c-LBSR-007	1	ISAP VII.c RESULTS REPORT, APPENDIX 25, REV.1, PG 47, 48 CAR-096X, REV.2	GAPS	PSE WILL REVIEW AND REVISE (AS NECESSARY) QC, STARTUP, CONSTRUCTION, AND OPERATIONS PROCEDURES TO IDENTIFY AREAS THAT WOULD ALLOW MODIFICATIONS OR ADJUSTMENTS TO OCCUR WITHOUT ASSURANCE THAT PIPE SUPPORT COMPONENTS WOULD BE REINSTALLED IN ACCORDANCE WITH DESIGN CRITERIA.	CAR-096X, REV.2	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.c-LBSR-008	1	ISAP VII.c RESULTS REPORT, APPENDIX 25, REV.1, PG 47, 48 CAR-096X, REV.2	GAPS	SCOPE OF HWP EXCLUDES INSPECTION OF ALL ASME CODE CLASS 1, 2, AND 3 PIPE SUPPORTS ON HIGH-ENERGY LINES FOR PROPER GAP. THIS WILL BE ADDRESSED BY CONSTRUCTION AND QC PER REQUIREMENTS OF DCA 22563, REV. 4.	CAR-096X, REV.2 DCA 22563	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-LBSR
"Large-Bore Pipe Supports - Rigid"

Finding No: S-LBSR-03

Description: LOCKING DEVICES ON THREADED FASTENERS (SEE ALSO S-LBSN-02, S-SBPS-02, AND S-VII.b.3-01.)

Class: CONSTRUCTION DEFICIENCY

Recom'd'n Letter: S-2

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-LBSR-015	1	ISAP VII.c RESULTS REPORT, APPENDIX 25, REV.1, PG 48 CAR-066X REV.3	LOCKING DEVICES	SUPPORTING DOCUMENTATION SHOULD ALSO BE UPDATED TO ENSURE THAT ACCURATE IDENTIFICATION OF MATERIAL TYPE CAN BE MADE FOR ANY HIGH-STRENGTH BOLTING THAT WILL NOT REQUIRE LOCKING DEVICES.	CAR-066X, REV.3	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.c-LBSR-016	1	ISAP VII.c RESULTS REPORT, APPENDIX 25, REV.1, PG 48 CAR-066X, REV.3	LOCKING DEVICES	REVISE 2323-MS-100 (VIA DCA), CP-CPM-9.10A, & QI-QAP-11.1-28 TO SPECIFY REQUIREMENTS FOR LOCKING DEVICES.	CAR-066X, REV.3	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87 NOTE: SPEC 2323-MS-100 WAS REVISED VIA DCA 31900 ON 1/6/87.
VII.c-LBSR-017	1	ISAP VII.c RESULTS REPORT, APPENDIX 25, REV.1, PG 48 CAR-066X, REV.3	LOCKING DEVICES	100% REINSPECTION OF UNIT 1, COMMON ASME CLASS 1, 2, 3 PIPE SUPPORTS INCLUDING CLASS 5, 6 SUPPORTS WITHIN STRESS PROBLEM BOUNDS OF STRESS REQUALIFICATION PROGRAM). CORRECT INSTALLATION OF LOCKING DEVICE SPECIFIC ATTRIBUTES FOR PIPE SUPPORTS TO BE REINSPECTED UNDER MVP, INCLUDING REWORK AS NECESSARY, ACCEPTANCE, DOCUMENTATION.	CAR-066X, REV.3 CP-QAP-12.1	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87 NOTE: THIS INCLUDES SAFETY WIRE USED ON SNUBBER ADAPTER PLATE BOLT
VII.c-LBSR-023	1	ISAP VII.c RESULTS REPORT, APPENDIX 25, REV.1, PG 48 CAR-066X REV.3	LOCKING DEVICES	PSE REVIEW QC, STARTUP, OPERATIONS, & CONSTRUCTION PROCEDURES, IDENTIFY WHERE MODIFICATIONS/ADJUSTMENTS COULD BE MADE WITHOUT ASSURANCE THAT PIPE SUPPORT COMPONENTS WOULD BE REINSTALLED PER DESIGN.	CAR-066X, REV.3	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87

ISAP VII.c-LBSR
 Large-Bore Pipe Supports - Rigid
 Finding No: S-LBSR-04 Description: INCORRECT PIPE CLAMP SPACERS INSTALLED Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-5

Commitment No.	Type	Source Document	Description	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-LBSR-018	1	ISAP VII.c RESULTS REPORT, APPENDIX Z5, REV.1, PG 49 CAR-069X, REV.2	PIPE CLAMP SPACERS	100% REINSPECTION OF UNIT 1 AND COMMON ASME CLASS 1, 2, AND 3 PIPE SUPPORTS (INCLUDING CLASS 5 AND 6 PIPE SUPPORTS WITHIN STRESS PROBLEM BOUNDARIES OF STRESS REQUALIFICATION PROGRAM).	CAR-069X, REV.2 CP-QAP-12.1	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.c-LBSR-019	1	ISAP VII.c RESULTS REPORT, APPENDIX Z5, REV.1, P.49 CAR-069X, REV.2	PIPE CLAMP SPACERS	QC PROCEDURE CP-QAP-11.1-28 WILL BE REVISED TO SPECIFICALLY ADDRESS QC VERIFICATION OF PROPER SIZE SPACER.	CAR-069X, REV.2	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.c-LBSR-020	1	ISAP VII.c RESULTS REPORT, APPENDIX Z5, REV.1, PG 49 CAR-069X, REV.2	PIPE CLAMP SPACERS	CONSTRUCTION PERSONNEL WILL BE TRAINED CONCERNING INCORRECT HARDWARE.	CAR-069X, REV.2	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.c-LBSR-022	1	ISAP VII.c RESULTS REPORT, APPENDIX Z5, REV.1, PG 49 CAR-069X REV.2	PIPE CLAMP SPACERS	PSE REVIEW QC, STARTUP, OPERATIONS, & CONSTRUCTION PROCEDURES, IDENTIFY WHERE MODIFICATIONS/ADJUSTMENTS COULD BE MADE WITHOUT ASSURANCE THAT PIPE SUPPORT COMPONENTS WOULD BE REINSTALLED PER DESIGN.	CAR-069X, REV.2	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87

ISAP VII.-c-LBSR
 Large-Bore Pipe Supports - Rigid

Finding No: S-LBSR-05 Description: LOOSE JAM NUTS ON SWAY STRUTS (2 CDs) (SEE ALSO S-VII.b.3-07.) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-3

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.-c-LBSR-011 1 ISAP VII.-c RESULTS REPORT, APPENDIX 25, REV.1, PG 49 CAR-067X REV.2	JAM NUTS	WALKDOWN OF PIPE SUPPORTS HAVING PIPE CLAMPS SHOULD BE PERFORMED TO ESTABLISH SECURITY OF ATTACHMENT TO PIPE.	CAR-067X, REV.2 CP-QAP 12.1	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.-c-LBSR-012 1 ISAP VII.-c RESULTS REPORT, APPENDIX 25, REV.1, PG 49 CAR-067X, REV.2	JAM NUTS	ADDITIONAL TRAINING WILL BE PROVIDED DURING IMPLEMENTATION OF RVP.	CAR-067X, REV.2	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.-c-LBSR-013 1 ISAP VII.-c RESULTS REPORT, APPENDIX 25, REV.1, PG 49 CAR-067X, REV.2	JAM NUTS	REVISE & REISSUE CP-OPN-9.10A & XCP-ME-10 REQUIRING VERIFICATION OF PIPE SUPPORTS AFTER CONSTRUCTION & STARTUP ADJUSTMENTS. SMEC-PSAS TO REVIEW QC, STARTUP, OPERATIONS, & CONSTRUCTION PROCEDURES, IDENTIFY WHERE MODIFICATIONS OR ADJUSTMENTS COULD BE MADE WITHOUT ASSURANCE THAT PIPE SUPPORT COMPONENTS WOULD BE REINSTALLED PER DESIGN.	CAR-067X, REV.2	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.-c-LBSR-014 1 ISAP VII.-c RESULTS REPORT, APPENDIX 25, REV.1, PG 49 CAR-067X, REV.2	JAM NUTS	100% REINSPECTION OF LIMIT 1 AND COMMON ASME CLASS 1, 2, AND 3 PIPE SUPPORTS (INCLUDING CLASS 5 AND 6 PIPE SUPPORTS WITHIN STRESS PROBLEM BOUNDARIES OF STRESS QUALIFICATION PROGRAM)	CAR-067X, REV.2 CP-QAP-12.1	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.C-LBSR
"Large-Bore Pipe Supports - Rigid"

Finding No: S-LBSR-06 Description: FASTENERS - LOOSE PIPE CLAMP ASSEMBLY (SEE ALSO S- SBPS-03.) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-5

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/ Commitments	Status of CPRT Concurrence	Remarks
VII.C-LBSR-011 1 ISAP VII.C RESULTS REPORT, APPENDIX Z5, REV.1, PG 49 CAR-067X REV.2	JAM NUTS	WALKDOWN OF PIPE SUPPORTS HAVING PIPE CLAMPS SHOULD BE PERFORMED TO ESTABLISH SECURITY OF ATTACHMENT TO PIPE.	CAR-067X, REV.2 CP-QAP 12.1	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.C-LBSR-012 1 ISAP VII.C RESULTS REPORT, APPENDIX Z5, REV.1, PG 49 CAR-067X, REV.2	JAM NUTS	ADDITIONAL TRAINING WILL BE PROVIDED DURING IMPLEMENTATION OF RVP.	CAR-067X, REV.2	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.C-LBSR-013 1 ISAP VII.C RESULTS REPORT, APPENDIX Z5, REV.1, PG 49 CAR-067X, REV.2	JAM NUTS	REVISE & REISSUE CP-CPM-9.10A & XCP-ME-10 REQUIRING QC VERIFICATION OF PIPE SUPPORTS AFTER CONSTRUCTION & STARTUP ADJUSTMENTS. SMEC-PSAS TO REVIEW QC, STARTUP, OPERATIONS, & CONSTRUCTION PROCEDURES, IDENTIFY WHERE MODIFICATIONS OR ADJUSTMENTS COULD BE MADE WITHOUT ASSURANCE THAT PIPE SUPPORT COMPONENTS WOULD BE REINSTALLED PER DESIGN.	CAR-067X, REV.2	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.C-LBSR-014 1 ISAP VII.C RESULTS REPORT, APPENDIX Z5, REV.1, PG 49 CAR-067X, REV.2	JAM NUTS	100% REINSPECTION OF UNIT 1 AND COMMON ASME CLASS 1, 2, AND 3 PIPE SUPPORTS (INCLUDING CLASS 5 AND 6 PIPE SUPPORTS WITHIN STRESS PROBLEM BOUNDARIES OF STRESS QUALIFICATION PROGRAM)	CAR-067X, REV.2 CP-QAP-12.1	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87

ISAP VII.c-PURE
 pipe Whip Restraints

Finding No: S-PURE-01 Description: MISSING COMPONENTS

Class: ADVERSE TREND Recom'd'n Letter: S-12

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-PURE-006 1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59 CONFIGURATION (LEVEL AND PLUMB, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING-TYPE JOINTS)	PROCESS FOR DOCUMENTING ASSIGNED RESPONSIBILITIES SHOULD BE ESTABLISHED WHEN ERECTION OF ITEM IS DONE BY MORE THAN ONE CONTRACTOR.	CAR 87-015, REV.1	VARIANCE PENDING	SEE CPRT COMMITMENT VARIANCE REQUEST #0059X.
VII.c-PURE-007 1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59 CONFIGURATION (LEVEL AND PLUMB, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING-TYPE JOINTS)	IF TRAVELERS ARE USED FOR FUTURE WORK, THEY SHOULD HAVE STANDARD STEP(S) REQUIRING CONSTRUCTION TO ENSURE AND QC TO VERIFY THAT INSTALLED CONFIGURATION IS PER DRAWINGS AND THAT SHIMS IN BEARING-TYPE JOINTS MEET DESIGN REQUIREMENTS.	CAR 87-015, REV.1 QA/QC-RT-10297	ISSUED	PROCEDURES FOUND IN ECC 2.13-5, REV.3, AND ECC 2.13-5A, REV.2, ADEQUATELY FULFILL THE REQUIREMENTS AND INTENT OF THE CPRT RECOMMENDATION. REF: QA/QC-RT-10297, REV.1, 5/16/88
VII.c-PURE-008 1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59 CAR 87-015 REV.1, SMTG 2902 CONFIGURATION (LEVEL AND PLUMB, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING-TYPE JOINTS)	REVIEW & CORRECT APPLICABLE DRAWINGS FOR THIS CONSTRUCTION WORK CATEGORY TO ENSURE ADEQUATE CROSS REFERENCING BETWEEN DESIGN DRAWINGS, VENDOR DRAWINGS, AND ASSOCIATED DESIGN CHANGE DOCUMENTS TO ESTABLISH REQUIRED SCOPE OF FIELD WELDING. ISSUE INSTRUCTIONS FOR CONSTRUCTION & QC RE RELATIONSHIP BETWEEN DRAWING SETS.	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87
VII.c-PURE-010 1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59, 60, 61 CAR 87-015, REV.1 REINSPECTION - ALL FINDINGS	100% REINSPECTION OF: a) STRUCTURAL BOLT JOINT TIGHTNESS b) LEVELNESS & PLUMBNESS, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING-TYPE JOINTS c) MISSING OR DAMAGED COTTER PINS d) IMPROPER LOCKING DEVICE APPLICATIONS e) MISSING FIELD WELDS f) DEVIATIONS FOR COLD GAPS BETWEEN PIPE & RESTRAINT	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87

ISAP VII.c-PARE
 "Pipe Whip Restraints"

Finding No: S-PARE-02 Description: CONFIGURATION: LEVELNESS AND PLUMBNESS Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-12

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-PARE-006	1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59	CONFIGURATION (LEVEL AND PLUMB, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING-TYPE JOINTS)	PROCESS FOR DOCUMENTING ASSIGNED RESPONSIBILITIES SHOULD BE ESTABLISHED WHEN ERECTION OF IT-11N IS DONE BY MORE THAN ONE CONTRACTOR.	CAR 87-015, REV.1	VARIANCE PENDING	SEE CPRT COMMITMENT VARIANCE REQUEST #009X.
VII.c-PARE-007	1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59	CONFIGURATION (LEVEL AND PLUMB, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING-TYPE JOINTS)	IF TRAVELERS ARE USED FOR FUTURE WORK, THEY SHOULD HAVE STANDARD STEP(S) REQUIRING CONSTRUCTION TO ENSURE AND QC TO VERIFY THAT INSTALLED CONFIGURATION IS PER DRAWINGS AND THAT SHIMS IN BEARING-TYPE JOINTS MEET DESIGN REQUIREMENTS.	CAR 87-015, REV.1 QA/QC-RT-10297	ISSUED	PROCEDURES FOUND IN ECC 2.13-5, REV.3, AND ECC 2.13-5A, REV.2, ADEQUATELY FULFILL THE REQUIREMENTS AND INTENT OF THE CPRT RECOMMENDATION. REF: QA/QC-RT-10297, REV.1, 5/16/88
VII.c-PARE-008	1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59 CAR 87-015 REV.1, SMTU 2902	CONFIGURATION (LEVEL AND PLUMB, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING-TYPE JOINTS)	REVIEW & CORRECT APPLICABLE DRAWINGS FOR THIS CONSTRUCTION WORK CATEGORY TO ENSURE ADEQUATE CROSS REFERENCING BETWEEN DESIGN DRAWINGS, VENDOR DRAWINGS, AND ASSOCIATED DESIGN CHANGE DOCUMENTS TO ESTABLISH REQUIRED SCOPE OF FIELD WELDING. ISSUE INSTRUCTIONS FOR CONSTRUCTION & QC RE RELATIONSHIP BETWEEN DRAWING SETS.	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87
VII.c-PARE-010	1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59, 60, 61 CAR 87-015, REV.1	REINSPECTION - ALL FINDINGS	100% REINSPECTION OF: a) STRUCTURAL BOLT JOINT TIGHTNESS b) LEVELNESS & PLUMBNESS, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING-TYPE JOINTS c) MISSING OR DAMAGED COTTER PINS d) IMPROPER LOCKING DEVICE APPLICATIONS e) MISSING FIELD WELDS f) DEVIATIONS FOR COLD GAPS BETWEEN PIPE & RESTRAINT	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87

ISAP VII.c-PURE
 Pipe Whip Restraints

Finding No: S-PURE-03 Description: CONFIGURATION: MISSING SHIM WELDS Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-12

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-PURE-006 1 ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59	CONFIGURATION (LEVEL AND PLUMB, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING-TYPE JOINTS)	PROCESS FOR DOCUMENTING ASSIGNED RESPONSIBILITIES SHOULD BE ESTABLISHED WHEN ERECTION OF ITEM IS DONE BY MORE THAN ONE CONTRACTOR.	CAR 87-015, REV.1	VARIANCE PENDING	SEE CPRT COMMITMENT VARIANCE REQUEST #009X.
VII.c-PURE-007 1 ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59	CONFIGURATION (LEVEL AND PLUMB, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING-TYPE JOINTS)	IF TRAVELERS ARE USED FOR FUTURE WORK, THEY SHOULD HAVE STANDARD STEP(S) REQUIRING CONSTRUCTION TO ENSURE AND QC TO VERIFY THAT INSTALLED CONFIGURATION IS PER DRAWINGS AND THAT SHIMS IN BEARING-TYPE JOINTS MEET DESIGN REQUIREMENTS.	CAR 87-015, REV.1 QA/QC-RT-10297	ISSUED	PROCEDURES FOUND IN ECC 2-13-5, REV.3, AND ECC 2-13-5A, REV.2, ADEQUATELY FULFILL THE REQUIREMENTS AND INTENT OF THE CPRT RECOMMENDATION. REF: QA/QC-RT-10297, REV.1, 5/16/88
VII.c-PURE-008 1 ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59 CAR 87-015 REV.1, SWTU 2902	CONFIGURATION (LEVEL AND PLUMB, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING-TYPE JOINTS)	REVIEW & CORRECT APPLICABLE DRAWINGS FOR THIS CONSTRUCTION WORK CATEGORY TO ENSURE ADEQUATE CROSS REFERENCING BETWEEN DESIGN DRAWINGS, VENDOR DRAWINGS, AND ASSOCIATED DESIGN CHANGE DOCUMENTS TO ESTABLISH REQUIRED SCOPE OF FIELD WELDING. ISSUE INSTRUCTIONS FOR CONSTRUCTION & QC RE RELATIONSHIP BETWEEN DRAWING SETS.	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87
VII.c-PURE-010 1 ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59, 60, 61 CAR 87-015, REV.1	REINSPECTION - ALL FINDINGS	100% REINSPECTION OF: a) STRUCTURAL BOLT JOINT TIGHTNESS b) LEVELNESS & PLUMBNESS, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING-TYPE JOINTS c) MISSING OR DAMAGED COTTER PINS d) IMPROPER LOCKING DEVICE APPLICATIONS e) MISSING FIELD WELDS f) DEVIATIONS FOR GAPS BETWEEN PIPE & RESTRAINT	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-PWRE
"Pipe Whip Restraints"

Finding No: S-PWRE-04

Description: COLD GAP BETWEEN PIPE AND RESTRAINT

Class: UNCLASSIFIED TREND

Recom'd'n Letter: S-15

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-PWRE-004	1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 59, 60 CAR 87-015 REV.1, SWTU 2902	COLD GAP BETWEEN PIPE AND RESTRAINT	ANALYZE REINSPECTION RESULTS TO EVALUATE IF DEVIATIONS SIMILAR TO THESE, IF THEY EXIST IN REMAINDER OF POPULATION, COULD RESULT IN CONSTRUCTION DEFICIENCY. IF SO, ADOPT CORRECTIVE ACTION AS APPROPRIATE TO VERIFY THAT GAPS BETWEEN PIPE AND RESTRAINT MEET DESIGN REQUIREMENTS.	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 08/17/87 CAR COMMITS DIRECTLY TO CORRECTIVE ACTION: VERIFICATION DURING HFT RE-PERFORMANCE
VII.c-PWRE-005	1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 59, 60 CAR 87-015 REV.1, SWTU 2902	COLD GAP BETWEEN PIPE AND RESTRAINT	ESTABLISH PROCEDURE TO SET OUT EVALUATION, TRACKING, AND IMPLEMENTATION OF RESPONSIBILITIES TO ENSURE REQUIRED FINAL ADJUSTMENTS MADE SO GAPS MEET DESIGN REQUIREMENTS. IN PROCEDURE SHOW WAY TO DOCUMENT ENGINEERING ACCEPTANCE OF FINAL GAP SETTINGS FOR RESTRAINTS. APPLY PROCEDURE IF NOT FUNCTIONAL TEST REDONE.	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 08/17/87
VII.c-PWRE-010	1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59, 60, 61 CAR 87-015, REV.1	REINSPECTION - ALL FINDINGS	100% REINSPECTION OF: a) STRUCTURAL BOLT JOINT TIGHTNESS b) LEVELNESS & PLUMBNESS, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING-TYPE JOINTS c) MISSING OR DAMAGED COTTER PINS d) IMPROPER LOCKING DEVICE APPLICATIONS e) MISSING FIELD WELDS f) DEVIATIONS FOR COLD GAPS BETWEEN PIPE & RESTRAINT	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-PWRE
"Pipe Whip Restraints"

Finding No: S-PWRE-05

Description: MISSING AND INCORRECTLY INSTALLED LOCKING DEVICES

Class: ADVERSE TREND

Recom'd'n Letter: S-2

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-BOLT-001	1	ISAP VII.c RESULTS REPORT, APPENDIX 34 REV.1, PG.17 QIM-88295	JAM NUTS/LOCKING DEVICES	CORRECTIVE ACTION FOR JAM NUTS AND LOCKING DEVICES FROM STRUCTURAL STEEL AND PIPE WHIP RESTRAINT CMC'S ALSO APPLIES TO THE EQUIPMENT SUPPORT CMC.	STEL, PWRE, EQSP QIM-88295	CONCURRED	REF. CPRT-1203, 09/15/88
VII.c-PWRE-003	1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 59, 60 CAR 87-015 REV.1, SWTU 2902	STRUCTURAL BOLTING	CONSTRUCTION PROCEDURES SHOULD BE REVISED: a) TO GIVE INSTALLATION INSTRUCTIONS AND ACCEPTANCE CRITERIA FOR LOCKING DEVICES; and b) TO GIVE SUFFICIENT INSTRUCTIONS FOR TIGHTENING BOLTED CONNECTIONS TO ENSURE THAT SIMILAR DEVIATIONS DO NOT OCCUR IN THE FUTURE.	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 08/17/87
VII.c-PWRE-010	1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59, 60, 61 CAR 87-015, REV.1	REINSPECTION - ALL FINDINGS	100% REINSPECTION OF: a) STRUCTURAL BOLT JOINT TIGHTNESS b) LEVELNESS & PLUMBNESS, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING-TYPE JOINTS c) MISSING OR DAMAGED COTTER PINS d) IMPROPER LOCKING DEVICE APPLICATIONS e) MISSING FIELD WELDS f) DEVIATIONS FOR GOLF GAPS BETWEEN PIPE & RESTRAINT	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87

ISAP VII.c-PWRE
 Pipe Whip Restraints

Finding No: S-PWRE-05 Description: STRUCTURAL BOLTING: JOINT TIGHTNESS Class: ADVERSE TREND Recom'd'n Letter: S-11

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-PWRE-002	1	ISAP VII.c RESULTS REPORT, APPENDIX 3A REV.1, PG.17 QIW-88295	TIGHTNESS	CORRECTIVE ACTION FOR TIGHTNESS FROM STRUCTURAL STEEL AND PIPE WHIP RESTRAINT CMC'S ALSO APPLIES TO THE EQUIPMENT SUPPORT CMC.	STEL, PWRE, EOSP QIW-88295	CONCURRED	REF. CPRT-1203, 09/15/88
VII.c-PWRE-003	1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 59, 60 CAR 87-015 REV.1, SMTU 2902	STRUCTURAL BOLTING	CONSTRUCTION PROCEDURES SHOULD BE REVISED: a) TO GIVE INSTALLATION INSTRUCTIONS AND ACCEPTANCE CRITERIA FOR LOCKING DEVICES; and b) TO GIVE SUFFICIENT INSTRUCTIONS FOR TIGHTENING BOLTED CONNECTIONS TO ENSURE THAT SIMILAR DEVIATIONS DO NOT OCCUR IN THE FUTURE.	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 08/17/87
VII.c-PWRE-010	1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 58, 59, 60, 61 CAR 87-015, REV.1	REINSPECTION - ALL FINDINGS	100% REINSPECTION OF: a) STRUCTURAL BOLT JOINT TIGHTNESS b) LEVELNESS & PLUMBNESS, MISSING COMPONENTS, MISSING SWIM WELDS IN BEARING-TYPE JOINTS c) MISSING OR DAMAGED CUTTER PINS d) IMPROPER LOCKING DEVICE APPLICATIONS e) MISSING FIELD WELDS f) DEVIATIONS FOR COLD GAPS BETWEEN PIPE & RESTRAINT	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87

FOR INFORMATION ONLY - DATA SUBJECT TO UPDATE WITHOUT NOTICE
 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-PWRE
 r-hipe Whip Restraints*

Finding No: S-PWRE-07 Description: OTHER WELDS*: MISSING WELDS Class: ADVERSE TREND Recom'd'n Letter: S-14

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CP*	Remarks
VII.c-PWRE-001	1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 61 CAR 87-015 REV.1, SWTU 2902	MISSING AWS FIELD WELDS	CORRESPONDING STANDARD STEP(S) SHOULD BE ADDED TO FUTURE TRAVELERS FOR VERIFICATION OF REQUIRED WELDS BY CONSTRUCTION AND QC.	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87
VII.c-PWRE-010	1	ISAP VII.c RESULTS REPORT, APPENDIX 29, REV.1, PG 5, 59, 60, 61 CAR 87-015, REV.1	REINSPECTION - ALL FINDINGS	100% REINSPECTION OF: a) STRUCTURAL BOLT JOINT TIGHTNESS b) LEVELNESS & PLUMBNESS, MISSING COMPONENTS, MISSING SHIM WELDS IN BEARING TYPE JOINTS c) MISSING OR DAMAGED COTTER PINS d) IMPROPER LOCKING DEVICE APPLICATIONS e) MISSING FIELD WELDS f) DEVIATIONS FOR COLD GAPS BETWEEN PIPE & RESTRAINT	CAR 87-015, REV.1	CONCURRED	QA/QC-RT-8579 8/17/87

FOR INFORMATION ONLY - DATA SUBJECT TO UPDATE WITHOUT NOTICE
 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.C-SBPS
 "Small-Bore Pipe Supports"

Finding No: S-SBPS-01 Description: GAPS BETWEEN PIPE AND SUPPORT (SEE ALSO S-LASR-02 AND S-VII.B.2-08.) Class: ADVERSE TREND Recom'd'n Letter: S-8

Commitment No.	Source Document	Description	Inspector	Action Statement Summary	Related Commitments	Status of CPRT	Remarks
VII.C-SBPS-1	ISAP VII.C RESULTS REPORT, APPENDIX 27, REV.1, PG 34 CAR-096X, REV.2	GAPS		INSPECTION WILL BE PERFORMED TO DETERMINE LOCATION OF PIPE/SOCKET WELDS ADJACENT TO RIGID SUPPORTS (AS PART OF NVP). NVP EXCLUDES INSPECTION OF ASME CLASS 1, 2, & 3 PIPE SUPPORTS ON HIGH ENERGY LINES FOR PROPER GAs. THIS WILL BE ADDRESSED BY CONSTRUCTION PER DCA 22563.	CAR-096X, REV.2 NVP PROCEDURE CP99-7, ATTACHMENT 4-11	CONCURRED	EXTEND INSPECTIONS TO INCLUDE ALL SAFETY-SIGNIFICANT ATTRIBUTES EXCEPT WELDING. 06/19/87 06/09-RT-7509, 06/09-RT-10110, 12/30/87
VII.C-SBPS-017 1	ISAP VII.C RESULTS REPORT, APPENDIX 27, REV.1, PG 34 CAR-096X, REV.2	GAPS		DCA 25866 (12/2/86) TO SPEC'S 2523-RS-160 AND 2523-RS-40A: CRITERIA FOR LOCATIONS OF PIPE/SOCKET WELDS TO RIGID SUPPORTS. 01-04P-11.1-28, CP-CP99-2.10: REV. 1 TO REFLECT REQUIREMENTS OF DCA.	CAR-096X, REV.2, DCA 25866	CONCURRED	06/09-RT-7509 06/19/87 06/09-RT-10110 12/30/87
VII.C-SBPS-011 1	ISAP VII.C RESULTS REPORT, APPENDIX 27, REV.1, PG 34 CAR-096X, REV.2	GAPS		PSE REVIEW OF STARTUP, OPERATIONS, CONSTRUCTION PROCEDURES, IDENTIFY WHERE MODIFICATIONS/ADJUSTMENTS COULD BE MADE WITHOUT ASSURANCE THAT PIPE SUPPORT COMPONENTS REINSTALLED PER DESIGN.	CAR-096X, REV.2, DCA-25666	CONCURRED	06/09-RT-7509 06/19/87 06/09-RT-10110 12/30/87

FOR INFORMATION ONLY - DATA SUBJECT TO UPDATE WITHOUT NOTICE
 CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.-c-SBPS
 "Small-Bore Pipe Supports"

Finding No: S-SBPS-008 Description: LOCKING DEVICES ON THREADED FASTENERS (SEE ALSO S-LBSM-02, S-LBSR-03, AND S-VII.b.3-01.) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-2

Commitment No. Type Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.-c-SBPS-008 1 ISAP VII.-c RESULTS REPORT, APPENDIX 27, REV.1, PG 35 CAR-066X REV.3	LOCKING DEVICES	SUPPORTING DOCUMENTATION SHOULD BE UPDATED TO ENSURE THAT ACCURATE IDENTIFICATION OF MATERIAL TYPE CAN BE PERFORMED FOR ANY HIGH-STRENGTH BOLTING THAT WILL NOT REQUIRE LOCKING DEVICES.	CAR-066X, REV.3, CP-QAP-12.1	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.-c-SBPS-009 1 ISAP VII.-c RESULTS REPORT, APPENDIX 27, REV.1, PG 34 CAR-066X, REV.2	LOCKING DEVICES	REVISE SPEC 2323-MS-100, CP-CPM-9.10A, AND QI-QAP-11.1-28. PSE WILL REVIEW QC, STARTUP, OPERATIONS, AND CONSTRUCTION PROCEDURES, IDENTIFYING WHERE MODIFICATIONS/ADJUSTMENTS COULD BE MADE WITHOUT ASSURANCE THAT PIPE SUPPORT COMPONENTS WOULD BE REINSTALLED PER DESIGN.	CAR-066X, REV.2	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.-c-SBPS-010 1 ISAP VII.-c RESULTS REPORT, APPENDIX 27, REV.1, PG 34 CAR-066X, REV.2	LOCKING DEVICES	100% REINSPECTION OF ASME CLASS 1, 2, AND 3 PIPE SUPPORTS (INCLUDING CLASS 5 AND 6 PIPE SUPPORTS WITHIN STRESS PROBLEM BOUNDARIES OF STRESS REQUALIFICATION PROGRAM)	CAR-066X, REV.2 CP-QAP-12.1	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87

CPRT FINDINGS AND RELATED PROJECT COMMITMENTS

ISAP VII.c-SBPS
"Small-Bore Pipe Supports"

Finding No: S-SBPS-03 Description: FASTENERS - UNSECURED SPRING CAR FASTENER (SEE ALSO S-ASR-06.) Class: CONSTRUCTION DEFICIENCY Recom'd'n Letter: S-3

Commitment No.	Type	Source Document	Descriptor	Action Statement Summary	Related Documents/Commitments	Status of CPRT Concurrence	Remarks
VII.c-SBPS-001	1	ISAP VII.c RESULTS REPORT, APPENDIX 27, REV.1, PG 35 CAR-067X, REV.2	FASTENERS	CP-CPM-9.10A & XCP ME-10 TO BE REVIEWED TO REQUIRE QC VERIFY PIPE SUPPORT AFTER CONSTRUCTION & STARTUP ADJUSTMENTS.	CAR-067X, REV.2 CP-QAP-12.1	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.c-SBPS-002	1	ISAP VII.c RESULTS REPORT, APPENDIX 27, REV.1, PG 35 CAR-067X, REV.2	FASTENERS	100% REINSPECTION OF ASME CLASS 1, 2, AND 3 PIPE SUPPORTS (INCLUDING CLASS 5 AND 6 PIPE SUPPORTS WITHIN STRESS PROBLEM BOUNDARIES OF STRESS REQUALIFICATION PROGRAM)	CAR-067X, REV.2 CP-QAP-12.1	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.c-SBPS-003	1	ISAP VII.c RESULTS REPORT, APPENDIX 27, REV.1, PG 35 CAR-067X REV.2	FASTENERS	A 100% WALKDOWN OF PIPE SUPPORTS HAVING PIPE CLAMPS SHOULD BE PERFORMED TO ESTABLISH SECURITY OF ATTACHMENT TO PIPE.	CAR-067X, REV.2, CP-QAP-12.1	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87
VII.c-SBPS-012	1	ISAP VII.c RESULTS REPORT, APPENDIX 27, REV.1, PG 35 CAR-067X REV.2	FASTENERS	PSE REVIEW QC, STARTUP, OPERATIONS, CONSTRUCTION PROCEDURES, IDENTIFY WHERE MODIFICATION/ADJUSTMENTS COULD BE MADE WITHOUT ASSURANCE THAT PIPE SUPPORTS COMPONENTS WOULD BE REINSTALLED PER DESIGN.	CAR-067X, REV.2, CP-QAP-12.1	CONCURRED	QA/QC-RT-7509 06/19/87 QA/QC-RT-10110 12/30/87