

REPORT-1 REQUESTOR ID- B JOHNS

***** EDD2 TYPE 0 REQUEST-TEST

W. J. Johns

W₄ferford -3 Docket 05000 382

Enforcement violations by module /
Inspection Report with brief Text
for Phase - 2 Construction 04/9.

W. J. Johns

1/30/84

Notes

8502090490 840807
PDR FOIA
BERNABEB4-205 PDR

01/26/84

766 DATA FOR WATERFORD-3 (05000382)
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MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
225528B	050003828002	-	-	50	10	-
230051B	050003828029	-	-	100	20	-
230702B	050003828127	-	-		1	-
230702B	050003828210	-	-		4	-
230702B	050003828228	-	-		8	-
230703B	050003827606	-	-		2	-
230703B	050003827608	-	-		2	-
230703B	050003827609	-	-		4	-
230703B	050003827610	-	-		2	-
230703B	050003827611	-	-		1	-
230703B	050003827701	-	-		1	-
230703B	050003827702	-	-		2	-
230703B	050003827703	-	-		2	-
230703B	050003827704	-	-		2	-
230703B	050003827705	-	-		4	-
230703B	050003827706	-	-		3	-
230703B	050003827707	-	-		2	-
230703B	050003827708	-	-		4	-
230703B	050003827709	-	-		3	-
230703B	050003827710	-	-		2	-
230703B	050003827711	-	-		4	-
230703B	050003827712	-	-		2	-
230703B	050003827713	-	-		1	-

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MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
230703B	050003827714	-	-		1	-
230703B	050003827801	-	-		2	-
230703B	050003827802	-	-		14	-
230703B	050003827803	-	-		4	-
230703B	050003827804	-	-		1	-
230703B	050003827805	-	-		5	-
230703B	050003827806	-	-		2	-
230703B	050003827807	-	-		4	-
230703B	050003827808	-	-		3	-
230703B	050003827809	-	-		2	-
230703B	050003827810	-	-		4	-
230703B	050003827811	-	-		3	-
230703B	050003827812	-	-		2	-
230703B	050003827813	-	-		10	-
230703B	050003827814	-	-		3	-
230703B	050003827815	-	-		6	-
230703B	050003827816	-	-		4	-
230703B	050003827901	-	-		2	-
230703B	050003827902	-	-		6	-
230703B	050003827903	-	-		6	-
230703B	050003827904	-	-		4	-
230703B	050003827905	-	-		2	-
230703B	050003827906	-	-		3	-

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MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
230703B	050003827907	-	-		2	-
230703B	050003827908	-	-		4	-
230703B	050003827910	-	-		4	-
230703B	050003827911	-	-		11	-
230703B	050003827912	-	-		3	-
230703B	050003827914	-	-		1	-
230703B	050003827916	-	-		2	-
230703B	050003827917	-	-		4	-
230703B	050003828002	-	-		5	-
230703B	050003828003	-	-		4	-
230703B	050003828005	-	-		5	-
230703B	050003828006	-	-		6	-
230703B	050003828008	-	-		1	-
230703B	050003828009	-	-		2	-
230703B	050003828010	-	-		4	-
230703B	050003828013	-	-		2	-
230703B	050003828014	-	-		2	-
230703B	050003828015	-	-		2	-
230703B	050003828016	-	-		3	-
230703B	050003828018	-	-		3	-
230703B	050003828020	-	-		1	-
230703B	050003828021	-	-		5	-
230703B	050003828022	-	-		2	-

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MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
230703B	050003828026	-	-	-	4	-
230703B	050003828027	-	-	-	3	-
230703B	050003828028	-	-	-	3	-
230703B	050003828031	-	-	-	2	-
230703B	050003828033	-	-	-	2	-
230703B	050003828036	-	-	-	1	-
230703B	050003828101	-	-	-	-	-
230703B	050003828104	-	-	-	1	-
230703B	050003828105	-	-	-	4	-
230703B	050003828107	-	-	-	2	-
230703B	050003828110	-	-	-	2	-
230703B	050003828111	-	-	-	1	-
230703B	050003828112	-	-	-	3	-
230703B	050003828114	-	-	-	2	-
230703B	050003828116	-	-	-	1	-
230703B	050003828117	-	-	-	2	-
230703B	050003828120	-	-	-	1	-
230703B	050003828122	-	-	-	1	-
230703B	050003828124	-	-	-	2	-
230703B	050003828126	-	-	-	1	-
230703B	050003828129	-	-	-	3	-
230703B	050003828131	-	-	-	2	-
230703B	050003828201	-	-	-	2	-

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MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
230703B	050003828205	-	-		2	Y
230703B	050003828206	-	-		6	-
230703B	050003828208	-	-		4	-
230703B	050003828217	-	-		3	-
230703B	050003828218	-	-		2	-
230703B	050003828219	-	-		20	-
230703B	050003828220	-	-			-
230703B	050003828221	-	-		2	-
230703B	050003828229	-	-		4	-
230703B	050003828303	-	-		1	-
230703B	050003828305	-	-		10	-
230703B	050003828306	-	-		4	-
230703B	050003828309	-	-		1	-
230703B	050003828313	-	-		4	-
230703B	050003828316	-	-		1	-
230703B	050003828317	-	-		2	-
230703B	050003828325	-	-		2	-
230703B	050003828331	-	-		2	-
235200B	050003827801	-	-		2	-
235200B	050003827813	-	-	100	155	-
237051B	050003828313	5	2	100	308	-

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FAILURE TO FOLLOW PROCEDURES AND PROVIDE SUFFICIENT DESIGN DETAIL FOR ATTACHMENT OF ADDITIONAL LOADS TO SEISMIC SUPPORTS FOR HVAC: CRITERION V OF 10 CFR 50, APP B, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPROPRIATE INSTRUCTIONS, PROCEDURES, AND DRA

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MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
237051B	050003828313	5	2	100	308	<p>WINGS, AND THAT THESE INSTRUCTIONS, PROCEDURES AND DRAWINGS CONTAIN APPROPRIATE QUANTITATIVE ACCEPTANCE CRITERIA. EBASCO SERVICES, INC. (EBASCO) PROCEDURE ASP-IV-58, ISSUE D, "ATTACHMENT TO SEISMIC SUPPORTS," REQUIRES THE FOLLOWING: A. PARAGRAPH 6.3 - THE CONTRACTOR IS TO SUBMIT A FORM ASP-IV-58-1 AND HAVE IT APPROVED BY THE EBASCO CONSTRUCTION ENGINEER PRIOR TO INSTALLATION OF ATTACHMENT. B. PARAGRAPH 6.4 - THE EBASCO CONSTRUCTION ENGINEER IS TO MAINTAIN A LOG/FILE OF ALL ADDITIONAL LOADS INCLUDING REQUEST, SKETCHES, AND BACKUP CALCULATIONS. GOOD ENGINEERING AND DESIGN PRACTICES WOULD REQUIRE THAT ADDITIONAL ATTACHMENTS TO A SUPPORT, BY DESIGN, WOULD BE PROPERLY DETAILED, NOTED, OR REFERENCED ON THE LEAD DOCUMENT. CONTRARY TO THE ABOVE: A. HVAC SUPPORT F-807 HAD A 1-INCH FIRE PROTECTION LINE ATTACHED TO IT THAT WAS NOT SHOWN ON SUPPORT DETAIL SMH-908 AND THIS ADDITIONAL 50-POUND LOAD WAS NOT SHOWN ON THE SEISMIC SUPPORT ALLOWABLE CHART, AND THERE WAS NO ASP-IV-58-1 FORM. B. HVAC SUPPORT F-821 HAD TWO 6-INCH CHILLED WATER PIPES AND THE ASSOCIATED SUPPORT, AC-H-609, ATTACHED THAT WERE NOT SHOWN ON SUPPORT DETAIL SMH-908. THE CALCULATION SHEET FOR F-821, DATED NOV. 18, 1981, USED TO DETERMINE THE ALLOWABLE LOAD CAPACITY FOR ASP-IV-58, DID NOT INCLUDE THESE LOADS BECAUSE THEY WERE NOT SHOWN ON THE SUPPORT DETAIL FOR F-821. C. HVAC SUPPORT F-800 HAD TWO 4-INCH CHILLED WATER PIPES AND TWO ASSOCIATED SUPPORTS, AC-H-608 AND AC-H-611, ATTACHED TO IT THAT WERE NOT SHOWN ON SUPPORT DETAIL SMH-986. THE CALCULATION SHEET FOR F-800, DATED NOV 18, 1981, USED TO DETERMINE THE ALLOWABLE LOAD CAPACITY FOR ASP-IV-58, DID NOT INCLUDE THESE LOADS BECAUSE THEY WERE NOT SHOWN ON THE SUPPORT DETAIL FOR F-800.</p> <p>FAILURE TO PROVIDE APPROPRIATE CRITERIA FOR INSTALLATION CLEARANCE PROBLEMS: CRITERION V OF 10 CFR 50, APP B, REQUIRES THAT PROCEDURES, INSTRUCTIONS, AND DRAWINGS INCLUDE APPROPRIATE QUANTITATIVE OR QUALITATIVE ACCEPTANCE CRITERIA FOR DETERMINING THAT IMPORTANT ACTIVITIES HAVE BEEN SATISFACTORILY ACCOMPLISHED. LOUISIANA POWER AND LIGHT COMPANY QUALITY ASSURANCE MANUAL, SECT 5.2, REQUIRES THAT INSTRUCTIONS, PROCEDURES AND DRAWINGS INCLUDE APPROPRIATE QUANTITATIVE AND QUALITATIVE ACCEPT</p>

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clearance*

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
237051B	050003828313	5	2	100	308	ANCE CRITERIA TO VERIFY THAT SAFETY-RELATED ACTIVITIES HAVE BEEN SATISFACTORILY ACCOMPLISHED. CONTRARY TO THE ABOVE: LOUISIANA POWER AND LIGHT COMPANY AND CONTRACTOR INSPECTION PROCEDURES AND WALK DOWN PROCEDURES DO NOT CONTAIN ACCEPTANCE CRITERIA FOR PERSONNEL PERFORMING THESE TASKS TO DETERMINE IF THERE IS SUFFICIENT CLEARANCE BETWEEN PIPES, SUPPORTS, STRUCTURES, TUBING AND RACEWAY TO ALLOW FOR VIBRATION, THERMAL EXPANSION, SEISMIC EVENT, ETC. THESE INSTRUCTIONS DO NOT CONTAIN MINIMUM CLEARANCE CRITERIA, AND, IN SOME CASES, DO NOT EVEN HAVE A REQUIREMENT TO DOCUMENT SATISFACTORY/UNSATISFACTORY CLEARANCE/INTERFERENCE STATUS, OR A MECHANISM OR TRIGGER FOR INTERFERING ENGINEERING OR FURTHER EVALUATION. THE NRC INSPECTORS NOTICED NUMEROUS CASES OF PIPE-TO-PIPE, PIPE-TO-SUPPORT, PIPE-TO-RACEWAY WITH ZERO-CLEARANCE THROUGHOUT THE POWER BLOCK AREAS.
237055B	050003828316	-	-	50	8	
237055B	050003828317	5	2	80	21	FAILURE TO ESTABLISH ADEQUATE DOCUMENT CONTROL MEASURES: 10 CFR 50, APP B, CRITERION VI REQUIRES THAT MEASURE BE ESTABLISHED TO CONTROL THE ISSUANCE OF DOCUMENTS. ANSI N45.2, PARA 7, "DOCUMENT CONTROL" REQUIRES THAT PROCEDURES BE ESTABLISHED FOR THE CONTROL OF DOCUMENTS AND CHANGES THERETO TO PRECLUDE THE POSSIBILITY OF USE OF OUTDATED OR INAPPROPRIATE DOCUMENTS. CONTRARY TO THE ABOVE, THE LICENSEE'S DOCUMENT CONTROL MEASURES DID NOT PREVENT THE ISSUANCE OF "CERTIFIED AS-BUILT" PRINTS (CE REACTOR TRIP SWITCHGEAR CONTROL WIRING PRINTS 1564-3905 THRU 1564-3919 (R3)) THAT FAILED TO INCLUDE FCR-IC-63. (50-382/8317-) FAILURE TO FOLLOW DOCUMENT CONTROL PROCEDURES: 10 CFR 50, APP B, CRITERION V, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPROVED PROCEDURES. A. EBASCO PROC ASP-III-2, "SITE DOCUMENT CONTROL" PARA 6.4.2.4 REQUIRES HOLDERS OF UNCONTROLLED DOCUMENTS TO CLEARLY MARK EACH DOCUMENT AS "VOID" OR "INFO ONLY" OR TO DESTROY THE DOCUMENT. CONTRARY TO THE ABOVE, REV 6 (THAT HAD BEEN SUPERSEDED BY REV 7) OF PRINT 1564-G-868 WAS FOUND IN THE PRINT FILE OF STATION 10 CONSTRUCTION ENGINEERING-MECH, NOT PROPERLY MARKED "VOID" OR "INFO ONLY." B. ASP-III-2, "SITE DOCUMENT CONTROL" PARA 6.4

*on site
design activity*

*Document
Control.*

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
237055B	050003828317	5	2	80	21	.2.1 REQRS THE VERIFCTN OF TRNSMTTED DOCUMNTS AGA INST THE TRANSMITTL DOCUMNTS FOR DOCUMNT CONTRL. CONTRY TO THE ABVE, THREE INSTR MANULS IN CUSTODY OF DOCUMNT CONTRL, KVS-16.2 FOR THE EMERGENCY DIESEL GENERATORS WERE NOT UPDTD WITH DCN-E-1037 AS REQD. THE DESGN CHANGE NOTICE, PG 1 INDICTD YHA T THE CHANGE APPLIED TO A "PRINT" C. ASP-II-2, "SITE DOCUMENT CONTRL" PARA 6.4.1 REQRS THAT HLDRS OF DOCUMNTS DISTRBTD BY DOCUMNT CONTRL ARE RESPNS BLE FOR PROPER RECPT, CONTRL, & PROTCTN OF THE DO CS. CONTRY TO THE ABVE: (1) EBASCO SPEC 2564.482 (R6) A CONTRLD DOC ASSGND TO THE CONSTR ENGR-MECH COULD NOT BE OBTND FRM THE FILES. (2) INSTR MANU AL KVS-16.2, "EMERGENCY DIESEL GENERATORS" WAS NO T IN CUSTDY OF THE EBASCO OFFICE ENGR AS INDICTD ON THE DOC CONTRL CARD. (50-382/8317-06)
242051B	050003827703	-	-	10	6	-
245051B	050003827509	-	-	100	12	-
245053B	050003827509	-	-	100	4	-
245055B	050003827509	-	-	100	10	-
246051B	050003827509	-	-	100	12	-
246051B	050003827510	-	-	100	8	-
246053B	050003827509	-	-	20	12	-
246053B	050003827510	-	-	60	40	-
246053B	050003827602	-	-	90	27	-
246053B	050003827609	-	-	90	8	-
246053B	050003827704	-	-	90	1	-
246053B	050003827709	-	-	90	3	-
246053B	050003827711	2	-	90	8	-

10 CFR PART 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND THAT THESE ACTIVITIES BE ACCOMPLISHED IN ACCORDANCE WITH

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
246053B	050003827711	2		90	8	TH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. THE J. A. JONES QA PROGRAM, AS IMPLEMENTED BY PROCEDURE NO. POP-N-702, REVISION 3, OCTOBER 5, 1976, PARAGRAPH 5.5, REQUIRES THAT QA PERSONNEL WHO VERIFY THAT WORK ACTIVITIES CONFORM TO QUALITY REQUIREMENTS BE CERTIFIED BY THE J. A. JONES CORPORATION QA TRAINING OFFICE AND/OR THE PROJECT QA MANAGER AS BEING QUALIFIED TO PERFORM THEIR ASSIGNED TASKS. PROCEDURE POP-N-702 ALSO REQUIRES THAT THE PROJECT QA MANAGER ASSURES THE INITIAL AND CONTINUED PROFICIENCY OF QUALITY ASSURANCE PERSONNEL BY APPROPRIATE EDUCATION, TRAINING, EXPERIENCE, TESTING, EVALUATION AND REVIEW IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI N45.2.6. CONTRARY TO THE ABOVE, ON OCTOBER 27, 1977, A J. A. JONES TRAINEE QUALITY CONTROL INSPECTOR WAS OBSERVED TO BE PERFORMING FIELD INSPECTIONS IN BACKFILL AREA 4 AS PRESCRIBED BY J. A. JONES PROCEDURE NO. W-SITP-12, REVISION 6. OCTOBER 4, 1976, "BACKFILL AND COMPACTION INSPECTION." A REVIEW OF QA RECORDS INDICATED THAT THE SAME TRAINEE HAD COMPLETED THE DAILY BACKFILL INSPECTION REPORT AND THE SITE BACKFILL RELEASE AND LOCATION LOG OF THE PREVIOUS TWO DAYS. HIS EXPERIENCE AND TRAINING RECORDS, AS CONFIRMED BY THE J. A. JONES QA MANAGER, WERE NOT SUFFICIENT TO QUALIFY THE INSPECTOR FOR THESE ASSIGNED TASKS.
246053B	050003827713	-	-	90	4	-
246055B	050003827509	-	-	20	12	-
246055B	050003827510	-	-	60	40	-
246055B	050003827601	-	-	70	6	-
246055B	050003827602	-	-	90	27	-
246055B	050003827604	-	-	90	4	-
246055B	050003827607	-	-	90	16	-
246055B	050003827609	-	-	90	10	-
246055B	050003827703	-	-	90	8	-
246055B	050003827704	-	-	90	11	-

Foundations

Foundations

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Formwork
Structural
Steel

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246055B	050003827711	-	-	90	8	-
246055B	050003827713	-	-	90	4	-
247051B	050003827604	-	-	100	22	-
247054B	050003827606	-	-	50	28	-
247054B	050003827609	-	-	80	16	-
247054B	050003827711	-	-	90	6	-
247054B	050003827805	-	-	90	7	-
247054B	050003827807	-	-	90	10	-
247054B	050003827907	-	-	90	12	-
247054B	050003827908	-	-	90	10	-
247054B	050003827910	-	-	90	8	-
247054B	050003827911	-	-	100	10	-
247056B	050003827606	-	-	50	34	-
247056B	050003827611	-	-	80	11	-
247056B	050003827704	-	-	80	10	-
247056B	050003827711	-	-	90	10	-
247056B	050003827805	-	-	90	5	-
247056B	050003827807	-	-	90	10	-
247056B	050003827907	-	-	90	10	-
247056B	050003827908	-	-	90	9	-
247056B	050003827910	-	-	90	20	-
247056B	050003827911	-	-	100	10	-
248051B	050003827602	-	-	10	6	-

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Structural concrete
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Concrete II
Concrete Records II

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248051B	050003827604	-	-	20	3	-
248051B	050003827917	-	-	100	15	-
248051B	050003828009	D		80	18	USE OF QC INSPECTORS WHO DID NOT MEET ANSI N45.2.6 . EXPERIENCE QUALIFICATIONS TABLE 17.2.1 OF THE LP & L FSAR COMMITS TO REGULATORY GUIDE 1.58, "QUALIFICATION OF NUCLEAR POWER PLANT INSPECTION, EXAMINATION, AND TESTING PERSONNEL," AS GUIDANCE FOR QUALIFICATION REQUIREMENTS FOR QC PERSONNEL. THESE REQUIREMENTS INCLUDE WORK EXPERIENCE CRITERIA FOR CERTIFICATION TO EACH INSPECTION LEVEL. REGULATORY GUIDE 1.58 ENDORSED ANSI N45.2.6 WHICH ESTABLISHES WORK EXPERIENCE REQUIREMENTS OF FOUR YEARS FOR LEVEL II INSPECTORS AND ONE YEAR FOR LEVEL I INSPECTORS. CONTRARY TO THE ABOVE: 1. THE LICENSEE'S CONTRACTOR FOR INSTALLATION OF THE NUCLEAR STEAM SUPPLY SYSTEM UTILIZED INDIVIDUALS AS INSPECTORS WHO DID NOT POSSESS THE LEVEL OF EXPERIENCE DEFINED IN REGULATORY GUIDE 1.58 FOR THEIR CERTIFICATION LEVEL. A LEVEL II INSPECTOR ASSIGNED TO PERFORM BACK SHIFT INSPECTIONS FOR NISCO ONLY POSSESSED WORK EXPERIENCE OF ONE AND ONE-HALF YEARS AT TIME OF LEVEL II CERTIFICATION. 2. A NISCO QC "TECHNICIAN" WAS PERFORMING INSPECTIONS IN ACCORDANCE WITH INSPECTION PROCEDURES ES-67E, "GENERAL CLEANING AND HOUSEKEEPING," AND ES-148, "WELDER SURVEILLANCE." THE QC TECHNICIAN APPARENTLY HAD NO QUALIFYING WORK EXPERIENCE AT THE TIME OF PERFORMANCE OF INSPECTIONS NORMALLY PERFORMED BY LEVEL I AND LEVEL II INSPECTORS.
248051B	050003828009	2		80	18	FAILURE TO FOLLOW PROCEDURES FOR THE DOCUMENTATION OF THE QUALITY ASSURANCE PROGRAM CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. THE "NISCO QA MANUAL - ASME SECTION III," SECTION 4.4.3 REQUIRES THAT A VENDOR PERFORMANCE RECORD FILE BE MAINTAINED IN THE NISCO HOME OFFICE, WITH COPIES OF THE RECORDS IN THIS FILE FORWARDED TO THE FIELD QA/QC MANAGER. SECTION 15.2.2.3 REQUIRES THAT THE ENTIRE QA PROGRAM B

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
248051B	050003828009	2		80	18	<p>E AUDITED ON AN ANNUAL CYCLE TO VERIFY ITS IMPLEMENTATION. CONTRARY TO THE ABOVE: ON APRIL 23, 1980, DURING A REVIEW OF QUALITY RECORDS ASSOCIATED WITH AUDITS, THE IE INSPECTOR DISCOVERED THAT COPIES OF THE RECORDS IN THE VENDOR PERFORMANCE RECORD FILES WERE NOT AVAILABLE AT THE SITE AS REQUIRED BY SECTION 4.4.3 FOR VENDOR AUDITS APPLICABLE TO THE JOB SITE. IN ADDITION, A REVIEW OF AUDITS 3015-1 THROUGH 3015-17 DETERMINED THAT THE ENTIRE QUALITY ASSURANCE PROGRAM HAD NOT BEEN REVIEWED DURING THE TWELVE MONTH PERIOD OF 1979 AS REQUIRED BY SECTION 15.2.2.3. THE NISCO QA/QC PERSONNEL AGREED THAT AN AUDIT OF THE ENTIRE PROGRAM COULD NOT BE DEMONSTRATED FOR 1979.</p> <p>FAILURE TO PERFORM REQUIRED INSPECTIONS AS PRESCRIBED IN CONTRACT INSPECTION PROCEDURES CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. THE "NISCO QA MANUAL - ASME, SECTION III," SECTION 5.6.5 REQUIRES THAT PERIODIC INSPECTIONS OF THE STORAGE AREAS BE CONDUCTED BY THE FIELD QA/QC MANAGER OR HIS DESIGNEE TO PRECLUDE DAMAGE TO SAFETY-RELATED MATERIALS OR COMPONENTS WHILE IN STORAGE. NISCO PROCEDURE ES-67-C E, "GENERAL CLEANING AND HOUSEKEEPING," REQUIRES A DAILY INSPECTION AND EXAMINATION OF THE STORAGE AREA FOR CONFORMANCE TO SPECIFICATION REQUIREMENTS. IN ADDITION, "CARE AND MAINTENANCE INSTRUCTION # 36" REQUIRES A MONTHLY INSPECTION OF THE GENERAL CONDITION OF THE FLOW BAFFLE ASSEMBLY AND THE REACTOR VESSEL CLOSURE HEAD LIFTING RIG, TWO COMPONENTS CURRENTLY IN THE NISCO STORAGE AREA AT THE TIME OF THIS INSPECTION. CONTRARY TO THE ABOVE: ON APRIL 23, 1980, THE IE INSPECTOR DETERMINED, FROM A REVIEW OF DAILY INSPECTION REPORTS AND FROM DISCUSSIONS WITH CONTRACTOR INSPECTION PERSONNEL, THAT THE DAILY INSPECTIONS HAVE NOT BEEN PERFORMED AS REQUIRED SINCE 1978. IN ADDITION, DURING OBSERVATION OF THE STORAGE CONDITIONS OF THE FLOW BAFFLE ASSEMBLY AND THE REACTOR VESSEL CLOSURE HEAD LIFTING RIG, IT WAS DETERMINED FROM THE LACK OF RECORDS AND FROM DISCUSSIONS WITH NISCO QA PERSONNEL THAT INSPECTIONS DEFINED BY "CARE AND MAINTENANCE INSTRUCT</p>

Contaminated Steel ↑

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
248051B	050003828009	2		80	18	<p>ION #36" HAD NOT BEEN PERFORMED ON A MONTHLY BASIS AS REQUIRED FOR THIS EQUIPMENT SINCE EQUIPMENT RECEIPT BY NISCO IN FEBRUARY 1980.</p> <p>FAILURE TO FOLLOW CONTRACT PROCEDURES RELATIVE TO THE STORAGE OF SAFETY-RELATED EQUIPMENT CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. SECTION P.9 OF THE BASCO CONTRACT SPECIFICATION FOR NISCO, CONTRACT NO. W3-NY-18, REQUIRES THAT THE CONTRACTOR ABIDE BY THE GUIDELINE PROVISION OF ANSI N45.2.2, "PACKAGING, SHIPPING, RECEIVING, STORAGE, AND HANDLING OF ITEMS FOR NUCLEAR POWER PLANTS." SECTION 6.1.1 REQUIRES THAT DURING CONSTRUCTION THE POSSIBILITY OF DAMAGE TO MATERIALS OR COMPONENTS OR THE LOWERING OF QUALITY DUE TO CORROSION, CONTAMINATION, OR DETERIORATION BE MINIMIZED. SECTION 6.1.2 REQUIRES THAT ITEMS SUCH AS PIPING BE STORED ON CRIBBING OR EQUIVALENT TO ALLOW FOR AIR CIRCULATION AND TO AVOID TRAPPING WATER, AND THAT STORAGE AREAS BE MARKED AND DESIGNATED FOR STORAGE. SECTION 6.3.3 REQUIRES THAT ALL MATERIALS BE IDENTIFIED, WITH PROPER PROTECTION FROM MOVEMENT OF EQUIPMENT. CONTRARY TO THE ABOVE: ON APRIL 23, 1980, DURING A TOUR OF THE NISCO STORAGE AREA, THE IE INSPECTOR OBSERVED THE FOLLOWING: 1. THE NISCO STORAGE AREA WAS NOT IDENTIFIED NOR ITS BOUNDARIES DEFINED AS A STORAGE AREA FOR SAFETY-RELATED COMPONENTS. 2. SURGE LINE RESTRAINTS (E8-E6-W1) WERE NOT PROPERLY STORED ON DUNNAGE; SOME OF THE DUNNAGE WAS STACKED ON TOP OF THE RESTRAINTS. 3. THE REACTOR VESSEL CLOSURE HEAD LIFTING RIG DID NOT HAVE IDENTIFICATION TAGS. 4. THE FLOW BAFFLE ASSEMBLY (NISCO RIR-211, P.O. 403402) WAS OUTSIDE OF ITS STORAGE CONTAINER WITHOUT PROPER PROTECTION FROM DAMAGE DUE TO MOVEMENT OF EQUIPMENT.</p>
248051B	050003828218	-	-	100	4	-
248053B	050003827602	-	-	10	6	-
248053B	050003827604	-	-	20	3	-

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
248053B	050003827607	-	-	50	4	-
248053B	050003827703	-	-	50	8	-
248053B	050003827705	-	-	70	4	-
248053B	050003827708	-	-	80	6	-
248053B	050003827806	-	-	80	4	-
248053B	050003827807	-	-	80	8	-
248053B	050003827810	-	-	90	4	-
248053B	050003827811	-	-	90	4	-
248053B	050003828009	-	-	100	4	-
248055B	050003827602	-	-	10	6	-
248055B	050003827604	-	-	20	3	-
248055B	050003827806	-	-	30	10	-
248055B	050003827810	-	-	50	8	-
248055B	050003827811	-	-	50	5	-
248055B	050003828009	-	-	95	8	-
248055B	050003828229	-	-	100	4	-
248061B	050003828218	-	-	100	6	-
248063B	050003827706	-	-	10	2	-
248063B	050003827707	-	-	10	10	-
248063B	050003827713	-	-	50	10	-
248063B	050003827802	-	-	60	7	-
248063B	050003827811	2	-	70	9	-

*Containment
Steel*

*Safety
Structures
I*

PERFORMING WELD REPAIR OF BASE METAL WITHOUT A PROCEDURE: CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED PROCEDURES AND ACCOMPLISHED IN

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
248063B	050003827811	2		70	9	ACCORDANCE WITH THESE PROCEDURES. CONTRARY TO THE ABOVE: ON SEPTEMBER 6, 1978, THREE WELDERS WERE OBSERVED PERFORMING WELD REPAIR OF BASE METAL FOR SAFETY RELATED SUPPORTS IN THE WALDINGER SITE HVAC FABRICATION SHOP. IT WAS DETERMINED BY THE IE IN SPECTOR THAT THESE ACTIVITIES WERE BEING PERFORMED WITHOUT A PROCEDURE. THE WALDINGER SITE QA SUPER VISOR ISSUED A "STOP-WORK ORDER" FOLLOWING NOTIFIC ATION OF THE CONCERN. BEFORE THE END OF THE INSPE CTION ON SEPTEMBER 8, 1978, WALDINGER AND THE ARCH ITECT ENGINEER APPROVED PROCEDURE FWP 2.2-6, WHICH CONTROLS THE WELD REPAIR OF BASE METAL.
248063B	050003827902	-	-	80	13	-
248063B	050003828229	-	-	100	6	-
248063B	050003828317	5	2	100	26	FAILURE TO PROVIDE REQUIRED SAFETY RELATED RECORD S IN ACCORDANCE WITH ESTABLISHED PROCEDURES: 10 CFR 50, APP B, CRITERION V STATES IN PART, "ACTIV ITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DO CUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, O F A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHA LL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTR UCTIONS, PROCEDURES, OR DRAWINGS." A. EBASCO SERV ICES, INC., (EBASCO) SPEC 860-75, "QA REQRUMNTS F OR SUPPLIERS OF SAFETY-RELATED EQUIP AND SERVICES " PARA 4.17, QA RECORDS, STATES IN PART, "SUFFICI ENT RECORDS SHALL BE PRPRD AS WORK IS PERFRMD TO FURNSH DOCMENTRY EVIDNCE OF THE QUALITY OF ITMS A ND OF ACTIVITIES AFFCTNG QUALITY...THE RECRDS SH ALL INCLUDE THE RESLTS OF REVIEWS, INSPECTIONS, T ESTS, AUDITS, MONITRNG OF WRK PERFRMNC...REQUIR ED RECRDS SHALL BE IDENTIFIABLE AND RETRIEVABLE.. " AMERICAN BRIDGE PROCEDURE 23, REV B, OCT 4, 197 9, "QA DOCUMNTATN TURNOVER" PARA 6.4.1 STATES IN PRT, "IMPLMNTATN OF THIS PROCEDURE SHALL BE INITI ATED IN ADEQUATE TIME BEFR COMPLTN OF SITE ACTIVIT IES TO PRMIT EBASCO'S REVW & DETERMNTN OF ACCEPTA BILITY OF RECORDS..." CONTRY TO THE ABVE, EBASCO FAILD TO PROVD COMPLT QA RCRDS FRM AMER BRIDGE. S PECIFICLY, EBASCO FAILD TO PROVD ADEQT QA DOCMNTA TN FOR THE ERECTN OF STRUCTRL STEEL FOR THE MISSL PROTECTN OVER THE EAST & WEST MAIN STEAM ISOLATN VLVS. (50-382/8317-) B. ANSI 2.9-1974 PARA 3.2 .1 STATES THAT QULITY RECRDS SHL BE LEGBL, COMPLT

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
248063B	050003828317	5	2	100	26	LY FILLD OUT & ADEQTLY IDENTFBLE TO THE ITM INVLV ED. ASP-IV-19, "CARING & MAINTNG OF PERMMENT PLNT SYSTEMS" REV L, FEB 17, 1983 PARA 6.4.3 STATES IN PRT THT RECRD CRDS SHL HVE AS A MAINTNCE ID NO. THE CMI NO. TO WHCH THE ITM DESCRBD REFRS. FOR CM I'S WITH MORE THAN ONE ITM, AN ALPHAB SUFFX SHL B E ADDED WHN DEEMED NECESSRY BY THE EQUIP MAINTNCE SUPERV FOR EASE OF MAINTNCE DOCMNTN. CONTR TO TH E ABOVE, MAINTNCE & STORG RECRDS WERE NOT IDENTFBL E FOR THE CORE SHROUD ASSEMBLY, CORE SUPPRT BARRL & GUIDE TUBE ASSEMBLIES. (50-382/8317-)
248064B	050003828218	-	-	80	12	-
248064B	050003828229	-	-	90	4	-
248065B	050003827713	-	-	50	10	-
248065B	050003827802	3	-	60	5	FAILURE TO MAINTAIN INSPECTION DOCUMENTATION FOR S TRUCTURAL STEEL: 10 CFR 50, APPENDIX B, CRITERION XVII REQUIRES THAT RECORDS BE MAINTAINED TO FURNI SH EVIDENCE OF ACTIVITIES AFFECTING QUALITY. THE AMERICAN BRIDGE DIVISION PROCEDURE NO. 10, PARAGRA PH 6.3.2, REQUIRES THAT INSPECTION PERSONNEL TEST 10% OF THE BOLTS IN EACH JOINT BUT NOT LESS THAN T WO BOLTS IN ANY ONE JOINT, AND THAT THE RESULTS OF THE INSPECTION SHALL BE RECORDED ON FORM FQAP 10- 2. CONTRARY TO THE ABOVE: INSPECTION OF A SAMPLE OF TORQUE TESTING RECORDS OF STRUCTURAL STEEL JOI NTS REVEALED THAT RECORDS WERE INCOMPLETE FOR TWO JOINTS IN THE STRUCTURE IN THE COOLING TOWER AREA. THE AFFECTED JOINTS WERE AT ELEVATION - 16.5 FEE T AND +2 FEET, AND WERE COMPLETED ABOUT SEPTEMBER 14, 1977, AND AUGUST 5, 1977, RESPECTIVELY. AS A RESULT OF THIS INSPECTION FINDING, THE SPECIFIC JO INTS HAVE BEEN SUBSEQUENTLY TORQUE TESTED AND THE RESULTS PROPERLY RECORDED.
248065B	050003827811	-	-	60	5	-
248065B	050003827902	-	-	70	12	-
248065B	050003828229	-	-	100	6	-
248066B	050003828218	5	2	80	23	10CFRPART50, APPB, CRITERION V, STATES IN PART: A CTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED B

II Structure Steel

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
248066B	050003828218	5	2	80	23	Y DOCUMENTED INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. CONTRARY TO THE ABOVE, AN UNSPECIFIED WELD HAD BEEN USED TO ATTACH A PLATE TO A DIAGONAL HORIZONTAL ANGLE BRACE AT ELEVATION 53' LOCATION 9' 9" NORTH AND 6' 9" WEST AT COLUMN L-10 AZ INSTEAD OF ATTACHING THE PLATE WITH BOLTING AS SPECIFIED BY EBA5CO G-842D.
		<i>Safety structure</i>				
248066B	050003828229	-	-	90	4	-
249051B	050003827809	-	-	10	34	-
249051B	050003827812	-	-	20	16	-
249051B	050003828205	-	-	50	3	-
249053B	050003827916	-	-	50	2	-
249055B	050003828206	-	-	80	3	-
249056B	050003828206	-	-	80	3	-
249061B	050003827706	-	-	10	21	-
249061B	050003827707	-	-	20	4	-
249061B	050003827708	-	-	50	18	-
249061B	050003827709	2	-	60	18	-

FAILURE TO PROVIDE APPROPRIATE DOCUMENTED PROCEDURE FOR CONTROL OF HANGER INSTALLATION ACTIVITIES: 10CFR PART 50, APPENDIX B, CRITERION V, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES. CONTRACT W3-NY-11 FOR ERECTION OF PLANT PROCESS PIPING AND PERFORMANCE OF RELATED WORK IN "SPECIAL CONDITIONS" REQUIRES THAT PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER A DETAILED PIPE SUPPORT ERECTION PROCEDURE TO INCLUDE PROVISIONS FOR INSPECTION OF FITUP AND NONDESTRUCTIVE EXAMINATION OF WELDS. CONTRARY TO THE ABOVE, FORTY-SEVEN (47) CONTAINMENT SPRAY HANGERS WERE INSTALLED BY TOMPKINS-BECKWITH IN ACCORDANCE WITH PROCEDURE TBP-24, "HANGER INSTALLATION

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MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
249061B	050003827709	2		60	18	PROCEDURE, WHICH DID NOT CONTAIN PROVISIONS FOR INSPECTION OF FITUP AND NONDESTRUCTIVE EXAMINATION OF WELDS. PROCEDURE TBP-24 WAS SUPPLEMENTED FOR THE HANGER INSTALLATION WITH UNDOCUMENTED ORAL INSTRUCTIONS PRESCRIBING THE REQUIRED INSPECTION ACTIVITIES.
249061B	050003827710	-	-	80	5	-
249063B	050003827712	-	-	10	5	-
249063B	050003827713	-	-	10	4	-
249063B	050003827714	2		10	2	FAILURE TO PROVIDE APPROVED SKETCHES FOR INSTALLATION OF SAFETY RELATED PIPING. 10 CFR PART 50, APPENDIX B, CRITERION VI REQUIRES THAT DOCUMENTS BE REVIEWED FOR ADEQUACY AND APPROVED FOR RELEASE BY AUTHORIZED PERSONNEL. THE LP&L QA MANUAL, REQUIREMENT QR6.0, REQUIRES THAT MAJOR CONTRACTORS HAVE PROGRAMS THAT ASSURE CONTROLLED DOCUMENTS ARE REVIEWED FOR ADEQUACY AND APPROVED FOR RELEASE BY AUTHORIZED PERSONNEL. CONTRARY TO THE ABOVE, DRAVO SKETCH E-2083 IC-71 ISSUED TO TOMPKINS-BECKWITH BY EB ASCO DOCUMENT CONTROL FOR USE DURING INSTALLATION OF SAFETY RELATED PIPING WAS NOT SIGNED IN THE "APPROVED" BLOCK BY DRAVO.
249063B	050003827801	-	-	10	4	-
249063B	050003827805	-	-	10	2	-
249063B	050003827807	-	-	20	16	-
249063B	050003827814	-	-	20	1	-
249063B	050003828205	-	-	50	3	-
249063B	050003828208	-	-	10	12	-
249065B	050003827712	-	-	10	5	-
249065B	050003827713	-	-	10	4	-
249065B	050003827714	-	-	10	2	-
249065B	050003827801	-	-	10	4	-

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249065B	050003827803	-	-	20	42	-
249065B	050003827805	-	-	20	8	-
249065B	050003827807	-	Safety	30	16	-
249065B	050003827810	-	PJM	50	2	-
249065B	050003828205	-	-	70	4	-
249065B	050003828208	-	-	80	4	-
250051B	050003827607	-	-	10	4	-
250051B	050003827814	-	-	20	8	-
250051B	050003827815	-	-	20	10	-
250051B	050003827816	-	-	20	10	-
250051B	050003827901	-	Vessel	100	2	-
250053B	050003827607	-	Installation	10	4	-
250053B	050003827608	-	-	10	6	-
250053B	050003827814	-	-	20	16	-
250053B	050003827815	-	-	20	14	-
250053B	050003827816	-	-	20	10	-
250053B	050003827901	-	-	80	5	-
250053B	050003828205	-	-	85	2	-
250055B	050003827901	-	-	80	8	-
250063B	050003828205	4	4	50	6	-

FAILURE TO FOLLOW PROCEDURES FOR PROTECTION OF AND ACCESS TO REACTOR VESSEL, REACTOR VESSEL HEAD, AND UPPER AND LOWER INTERNALS.
FAILURE TO PROVIDE PROMPT AND APPROPRIATE CORRECTIVE ACTION TO NEGATIVE INSPECTION FINDINGS REGARDING REACTOR VESSEL CLEANLINESS.

vessel internals

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250063B	050003828206	4	2	50	2	REPETITIVE FAILURE TO PROVIDE PROMPT AND APPROPRIATE CORRECTIVE ACTION TO NEGATIVE INSPECTION FINDINGS REGARDING REACTOR VESSEL HEAD CLEANLINESS: CRITERION XVI OF 10CFR50, APP B STATES, "...MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED." CONTRARY TO THE ABOVE, A REVIEW OF NISCO INSPECTION REPTS SHOW FAILURE TO PROMPTLY CORRECT CONDITIONS ADVERSE TO QUALITY. ALL HOUSEKEEPING REPTS BY NISCO QC FOR APR 1-29, 1982, SHOW UNACCEPTABLE CLEANLINESS AND PROTECTIVE COVERING FOR THE REACTOR VESSEL HEAD. THESE REPTS (NISCO HOUSEKEEPING INSPECTION REPT FORM FS-68) SHOW REPEATED REJECTED CLEANLINESS. THIS CONDITION IS THE SAME AS REPORTED IN A VIOLATION ASSOCIATED WITH NRC INSPECTION REPT 82-05 CONDUCTED MAR 1-5, 1982. THESE CONDITIONS WERE NOT ACTED UPON AND THE SAME CONDITION APPEARED WHEN THE NRC INSPECTORS TOURED ON MAY 10, 1982. THIS IS A SEVERITY LEVEL IV VIOLATION.
250065B	050003828316	-	-	50	6	-
250071B	050003827601	-	-	10	5	-
250071B	050003827610	-	Components	20	16	-
250071B	050003827702	-	-	50	12	-
250071B	050003827703	-	-	80	4	-
250071B	050003827705	-	-	80	4	-
250071B	050003827706	-	-	100	3	-
250071B	050003827707	-	-	50	10	-
250071B	050003827710	-	-	70	10	-
250071B	050003827711	-	-	80	8	-
250071B	050003827816	-	-	80	2	-
250071B	050003828002	-	-	100	8	-
250071B	050003828206	-	-	100	6	-

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
250073B	050003827601	-	-	10	5	-
250073B	050003827607	-	-	10	4	-
250073B	050003827608	-	-	10	6	-
250073B	050003827714	-	-	20	8	-
250073B	050003827801	-	-	20	4	-
250073B	050003827812	-	-	30	8	-
250073B	050003827816	-	-	40	4	-
250073B	050003828002	-	-	90	3	-
250073B	050003828303	-	-	100		-
250074B	050003827904	2		10	10	FAILURE TO FOLLOW CONTRACT PROCEDURES RELATED TO CARE AND MAINTENANCE OF SAFETY RELATED COMPONENTS : CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH PRESCRIBED INSTRUCTIONS, PROCEDURES, AND DRAWINGS. EBASCO PROCEDURE CMI #1 , "CARE AND MAINTENANCE INSTRUCTIONS FOR THE CVCS CHARGING PUMPS" PER PARAGRAPH D.1 REQUIRES THAT THE CHARGING PUMPS BE PROVIDED WITH ADEQUATE PROTECTION FROM DAMAGE OR DETERIORATION AS A RESULT OF CONDITIONS OR ACTIVITIES IN THE VICINITY, AFTER BEING MOVED TO IN-PLACE STORAGE. CONTRARY TO THE ABOVE: ON MARCH 21, 1979, IT WAS NOTED THAT, ALTHOUGH (1) SCAFFOLDING WAS ERECTED IN THE AREA OF THE THREE INSTALLED CHARGING PUMPS, (2) SOME SCAFFOLDING STRUCTURE WAS PLACED ON PUMPS AND PUMP FOUNDATIONS, AND (3) THE AREA WAS CLUTTERED WITH TRASH AND DEBRIS, NO PROTECTIVE MEASURES EXISTED TO PROTECT THE PUMPS FROM DAMAGE OR DETERIORATION.
250074B	050003828303	-	-	100	8	-
250075B	050003827703	-	-	10	4	-
250075B	050003827714	-	-	20	3	-
250075B	050003827801	-	-	20	4	-

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250075B	050003827816	-	-	30	4	-
250075B	050003828002	-	-	90	4	-
250075B	050003828206	-	-	90	6	-
250075B	050003828303	-	-	100	2	-
250076B	050003827904	2	-	10	10	FAILURE TO PERFORM REQUIRED SURVEILLANCES AS REQUIRED BY APPROVED PROCEDURES: CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH PRESCRIBED INSTRUCTIONS, PROCEDURES, AND DRAWINGS. PARAGRAPH 6.10.1 OF EBASCO PROCEDURE ASP-IV-3, "GENERAL HOUSEKEEPING" REQUIRES EBASCO QUALITY CONTROL PERSONNEL TO PERFORM WEEKLY SURVEILLANCES OF THE WORK AREAS TO ASSURE THE ADEQUACY OF CLEANLINESS AND THE ADEQUACY OF HOUSEKEEPING PRACTICES IN THE WORK AREAS. THESE SURVEILLANCES ARE TO BE DOCUMENTED PER PARAGRAPH 6.10.1.5 OF THIS SAME PROCEDURE. CONTRARY TO THE ABOVE: DISCUSSIONS ON MARCH 22, 1979, WITH LP&L AND EBASCO PERSONNEL CONFIRMED THAT THESE PERIODIC SURVEILLANCES, WITH RESPECT TO THE INSTALLED CVCS CHARGING PUMPS, WERE NOT BEING PERFORMED NOR DOCUMENTED AS REQUIRED BY THIS PROCEDURE.
250076B	050003828303	-	-	100	8	-
250090B	050003827904	-	-	10	8	-
250090B	050003828010	2	-	40	18	FAILURE TO CONTROL USE OF CALIBRATED TOOL WITHIN NECESSARY LIMITS: CRITERION XII OF APPENDIX B TO 10 CFR 50 REQUIRES THAT TOOLS, GAUGES, INSTRUMENTS, AND OTHER MEASURING AND TESTING DEVICES USED IN ACTIVITIES AFFECTING QUALITY BE PROPERLY CONTROLLED, CALIBRATED, AND ADJUSTED AT SPECIFIED PERIODS TO MAINTAIN ACCURACY WITHIN NECESSARY LIMITS. TOMPKINS-BECKWITH PROCEDURE NO. TBP-33, REV B, "PROCEDURE FOR INSPECTING DRILLED-IN EXPANSION TYPE ANCHORS IN SEISMIC CLASS I CONCRETE," EXHIBIT I, "EXPANSION ANCHOR TEST AND INSPECTION DATA," REQUIRES THAT 1/2 INCH DIAMETER BOLTS BE TORQUED TO A VALUE BETWEEN 90 AND 100 FOOT-POUNDS (FT-LBS). CONTRARY TO THE ABOVE: THE 1/2 INCH DIAMETER ANCHOR BOLTS ON PI

Comments



Miss Support / Restraints

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
250090B	050003828010	2		40	18	<p>PE RESTRAINT NO. CDRR-322 WERE TORQUED USING CONTROLLED TOOL NO. 256 WHICH WAS NOT CALIBRATED FOR THE RANGE OF TORQUE VALUES SPECIFIED IN PROCEDURE TB P-33.</p> <p>FAILURE TO FOLLOW PROCEDURES FOR CONTROL OF DESIGN MODIFICATIONS: CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CRITERION III OF APPENDIX B TO 10 CFR 50 STATES IN PART THAT, "DESIGN CHANGES, INCLUDING FIELD CHANGES, SHALL BE SUBJECT TO DESIGN CONTROL MEASURES COMMENSURATE WITH THOSE APPLIED TO THE ORIGINAL DESIGN AND BE APPROVED BY THE ORGANIZATION THAT PERFORMED THE ORIGINAL DESIGN UNLESS THE APPLICANT DESIGNATES ANOTHER RESPONSIBLE ORGANIZATION." TOMPKINS-BECKWITH (T-B) PROCEDURE NO. ASP-IV-37, REV H, "CONTROL OF 'AS-BUILT' INFORMATION FOR PIPING AND PIPE SUPPORT SYSTEMS," PARAGRAPH 1.2 STATES THAT THIS PROCEDURE IS INTENDED FOR, "MAKING MINOR MODIFICATIONS IN THE FIELD WHICH DO NOT AFFECT THE INTENT OF THE DESIGN." PARAGRAPH 4.2 STATES, "MINOR MODIFICATIONS ARE LIMITED TO THOSE SPECIFIED IN PARAGRAPH 6.3." PARAGRAPH 6.3 DOES NOT INCLUDE PIPE SUPPORT AND RESTRAINT DESIGN MODIFICATIONS WHICH REQUIRE A NEW ENGINEERING STRESS ANALYSIS. CONTRARY TO THE ABOVE: PIPE RESTRAINT NO. CDRR-322 WAS MODIFIED, THROUGH THE USE OF PROCEDURE ASP-IV-37, TO REPLACE TWO W4X13 BEAMS WITH A 4 IN. SQUARE BOX BEAM MANUFACTURED FROM 1/2 IN. STEEL PLATE. THROUGH DISCUSSIONS WITH LICENSEE REPRESENTATIVES, IT WAS DETERMINED THAT THE MODIFICATION WAS A MODIFICATION WHICH SHOULD HAVE BEEN ANALYZED FOR STRUCTURAL ADEQUACY PRIOR TO INSTALLATION. SINCE THIS DESIGN CHANGE WAS BEYOND THE SCOPE OF PROCEDURE ASP-IV-37, THE CHANGE WAS NOT SUBJECTED TO THOSE DESIGN CONTROL MEASURES APPLIED TO THE ORIGINAL DESIGN.</p>
250090B	050003828020	2		40	20	<p>FAILURE TO FOLLOW PROCEDURAL REQUIREMENTS FOR THE TENSION TESTING OF INSTALLED EXPANSION ANCHORS: CRITERION V OF APPENDIX B TO 10CFR50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN AC</p>

*Pipe Supports
Restraints*

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250090B	050003828020	2		40	20	<p>CORDANCE WITH THESE PROCEDURES. TOMPKINS-BECKWITH PROC TBP-33, "PROCEDURE FOR INSPECTING DRILLED-IN EXPANSION TYPE ANCHORS IN SEISMIC CLASS 1 CONCRETE" REQUIRES, IN SECT 6.1.2(B), THAT ONE OUT OF EACH 100 CONSECUTIVELY INSTALLED ANCHORS BE TENSION TESTED. CONTRARY TO THE ABOVE: ON AUG 12, 1980 THE IE INSPECTOR DISCOVERED, DURING A REVIEW OF THE EXPANSION ANCHOR LOG (SHEETS 19 THRU 41) THAT THESE TENSION TESTS HAD NOT BEEN PERFORMED ON INSTALLED EXPANSION ANCHORS AS REQUIRED BY THE ABOVE PROCEDURE; AND FURTHERMORE, THESE TENSION TESTS HAD NOT BEEN PERFORMED AT ALL SINCE OCT 1979.</p> <p>FAILURE TO FOLLOW PROCEDURAL REQUIREMENTS FOR THE INSTALLATION OF SAFETY-RELATED PIPING: CRITERION V OF APPENDIX B TO 10CFR50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE PROCEDURES. SECT 2.32 OF EBASCO INSTRUCTION PC-1, "INSTRUCTIONS FOR ERECTION OF PROCESS PIPING AND SUPPORTS" REQUIRES THAT FABRICATED PIPING IS TO BE HUNG IN SUPPORTS IN CORRECT POSITION BEFORE WELDING THE LINE TO ALLOW ROTATIONAL GIVE AND TAKE IN JOINT POSITIONING WHICH MAY BE NECESSARY TO MAKE ENDS MEET. CONTRARY TO THE ABOVE: ON AUG 14, 1980 THE IE INSPECTOR OBSERVED SEVEN FABRICATED SECTIONS OF SAFETY INJECTION PIPING IN PUMP RM B WHICH WERE NOT PROPERLY HUNG IN THE SUPPORTS IN CORRECT POSITION BEFORE WELDING. WELDING OPERATIONS HAD CONTINUED TO THE EXTENT THAT THE FABRICATED PIPING COULD NOT BE INSTALLED IN ITS PROPER POSITION TO MAKE ENDS MEET.</p>
250090B	050003828110	-	-	20	10	-
250090B	050003828124	-	-	100	4	-
250090B	050003828129	-	-	60	30	-
250090B	050003828208	5	2	70	10	<p>FAILURE TO FOLLOW PROCEDURES/INSTRUCTIONS FOR THE CONTROL OF TEMPORARY AND AS-BUILT PIPE SUPPORTS/RESTRAINTS: CRITERION V OF 10 CFR 50, APP B REQUIRES THAT ACTIVITIES AFFECTING SAFETY BE PERFORMED IN ACCORDANCE WITH THE PRESCRIBED PROCEDURES OR INSTRUCTIONS. THE NRC INSPECTORS IDENTIFIED THE FOLLOWING CONDITIONS WHERE PROCEDURES INVOLVING SA</p>

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
250090B	050003828208	5	2	70	10	FETY-RELATED ACTIVITIES WERE NOT FOLLOWED: A. CON DITON IDENT WORK AUTHORIZATION (CIWA) NO. 823607 DTD MAR 29, 1982, REQUIRED REMOVAL OF TEMPORARY HANGER SIRR-5001T, REV 0, FROM THE NORTH PUMP ROO M AND INSTALLATION OF SIRR-5001T, REV 2, IN THE S OUTH PUMP ROOM. THE CLOSED CIWA INDICATES WORK CO MPLETED ON APR 2, 1982. CONTRARY TO THE ABOVE, THE NRC INSPECTOR OBSERVED TEMPORARY HANGER SIRR-500 1T, REV 0, STILL IN PLACE IN THE NORTH PUMP ROOM ON APR 7, 1982. B. THE REQUIREMENT OF EBASCO PROC ASP-IV-89, ISSUE A, IS "TO ASSURE PIPE IS ADEQUA TELY SUPPORTED FOR HYDROSTATIC TESTING AND FLUSH. " CONTRARY TO THE ABOVE, THE NRC INSPECTOR OBSERVE D PIPE SPOOL 2803-IC-35 SUPPORTED BY A WOODEN WED GE IN BLOCKOUT RATHER THAN BY REQUIRED HANGER SIR R-183, EVEN THOUGH THE SYSTEM WALKDOWN FOR FLUSH AND HYDRO WAS COMPLETE. PARA 6.5.6 OF ASP-IV-89, ISSUE A, STATES: "THE CONSTRUCTION ENG MECHANICAL ...WILL INSPECT THE TEMP SUPPORT FOR CONFORMANCE TO THE TEMP DESIGN DRAWING. HE WILL SIGN AND DATE THE TEMP REQUEST FORM (ATT 7.2) INDICATING THE T EMP IS IN-PLACE PER THE DESIGN..." CONTRARY TO TH E ABOVE, THE AS-BUILT CONDITION OF TEMP HANGER SIS R8707 (SYSTEM 60A) DEVIATES FROM DESIGN ALTHOUGH SIGNED AND DTD ATT 7.2 INDICATES COMPLIANCE.
250095B	050003828218	-	-	100	16	-
251051B	050003827815	-	-	10	8	-
251051B	050003827902	-	-	20	5	-
251051B	050003827903	-	-	20	4	-
251051B	050003827906	-	-	20	2	-
251051B	050003828205	-	-	40	8	-
251051B	050003828303	-	-	100	4	-
251053B	050003827712	-	-	10	2	-
251053B	050003827808	-	-	10	5	-
251053B	050003827903	2	-	10	6	FAILURE TO FOLLOW APPROVED DRAWINGS - MOUNTING/INS TALLATION OF CLASS IE 4160 VOLT SWITCHGEAR: CRITE

fuel storage parts

Electrical

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
251053B	050003827903	2		10	6	<p>RION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS, PROCEDURES, AND DRAWINGS. EBASCO DRAWING 344-501, REVISION 5; MANUFACTURER DRAWING (EBASCO NO.) 154 4015 R 3; DESIGN CHANGE NOTICE E-172; AND FIELD CHANGE REQUESTS E-390 AND E-449 REQUIRE THAT THE MOUNTING OF F 4160 VOLT SWITCHGEAR 3AB3-5 BE ACCOMPLISHED AS FOLLOWS: 1. USING A PLUG WELD AT EACH OF THE MANUFACTURER FURNISHED MOUNTING HOLES. 2. USING A 1/4 INCH LONG FILLET WELD BETWEEN THE MOUNTING ANGLE AND THE EMBEDDED MOUNTING PLATE AT EACH PLUG WELD.</p> <p>THE NET RESULT OF THIS MOUNTING SHOULD BE APPROXIMATELY TEN PLUG WELDS AND TEN FILLET WELDS AROUND THE PERIPHERY OF EACH SWITCHGEAR SECTION ATTACHING TO THE MANUFACTURER FURNISHED MOUNTING ANGLE TO THE CONCRETE EMBEDDED MOUNTING CHANNELS. CONTRARY TO THE ABOVE: THE IE INSPECTOR, ON MARCH 8, 1979, OBSERVED THAT THE MOUNTING/INSTALLATION FOR THE SECTIONS OF 4160 VOLT SWITCHGEAR 3AB3-5 HAD BEEN ACCOMPLISHED AS FOLLOWS: A. THERE WAS NO EVIDENCE OF A PLUG WELD AT EACH OF THE MANUFACTURER FURNISHED MOUNTING HOLES. 2. FOUR, 3 INCH FILLET WELDS (TWO AT THE FRONT AND TWO AT THE REAR) WERE UTILIZED. THE TWO FILLET WELDS AT THE FRONT OF EACH SECTION WERE ON THE LIGHTER GAUGE STEEL BOTTOM PAN OF THE SWITCHGEAR INSTEAD OF THE MOUNTING ANGLE. THIS MOUNTING/INSTALLATION WAS SIGNED OFF ON OCTOBER 12, 1978, AS ACCEPTABLE BY QC ON QUALITY CONTROL CHECK LIST FOR EQUIPMENT INSTALLATION FOR 4160 VOLT SWITCHGEAR 3AB3-5.</p>
251053B	050003828206	-	-	20	6	-
251053B	050003828303	-	-	100	7	-
251054B	050003827815	-	-	10	16	-
251054B	050003827902	-	-	20	5	-
251054B	050003827903	-	-	20	4	-
251054B	050003828205	4	4	40		FAILURE TO FOLLOW PERIODIC MAINTENANCE INSTRUCTIONS FOR ELECTRICAL EQUIPMENT.
251054B	050003828219	-	-	60	180	-

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
251054B	050003828303	-	-	100	8	-
251054B	050003828309	-	-	100	8	-
251055B	050003827712	-	-	10	3	-
251055B	050003827808	-	-	10	5	-
251055B	050003827815	-	-	10	14	-
251055B	050003828105	-	-	20	5	-
251055B	050003828303	-	-	100	7	-
251055B	050003828309	-	-	100	7	-
251056B	050003827902	2		10	9	

Electrical

FAILURE TO FOLLOW APPROVED PROCEDURES DURING INITIAL CHARGE OF SAFETY RELATED BATTERIES: CRITERION V OF APPENDIX B TO 10 CFR PART 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES. EBASCO INSTRUCTION CMI-177, REVISION 5, FISCHBACH AND MOORE PROCEDURE CP-311, REVISION 0, AND GOULD INDUSTRIAL BATTERIES INSTRUCTION BOOK, DOCKET NO. 5817-889-R0 REQUIRE THE FOLLOWING IN REGARD TO SAFETY RELATED BATTERIES: 1. A MINIMUM OF SEVENTY HOURS INITIAL CHARGE. 2. THAT THE ELECTROLYTE IS NOT TO BE REMOVED DURING THE INITIAL CHARGE. 3. THE BATTERIES ARE TO BE PLACED ON A FLOAT CHARGE AND INDIVIDUAL CELL VOLTAGES, SPECIFIC GRAVITIES (CORRECTED TO 77 DEG F), AMBIENT TEMPERATURE AND CELL TEMPERATURES BE RECORDED FOR ALL CELLS AND THE ELECTROLYTE LEVELS FOR 10% OF THE CELLS. 4. AN EQUALIZING CHARGE IS TO BE PERFORMED WHEN THE SPECIFIC GRAVITY OF A CELL FALLS BELOW 1.205 AND EVALUATION OF THE CONDITION IS TO BE DOCUMENTED. CONTRARY TO THE ABOVE: DURING THE INITIAL CHARGE OF 125 VDC CLASS 1E BATTERIES 3A-S, 3B-S, AND 3AB-S FROM SEPTEMBER 20 TO SEPTEMBER 23, 1978, IT WAS DETERMINED THAT: 1. THE RECORDS FOR THE INITIAL CHARGE INDICATED THAT THE CHARGE DURATION WAS FORTY-FOUR HOURS; HOWEVER, DISCUSSIONS WITH FISCHBACH AND MOORE INDICATED THAT ALL CHARGES LASTED SIXTY-EIGHT HOURS, TWO HOURS LESS THAN THE MINIMUM SPECIFIED. 2. WHEN QUESTIONED CONCERNING LOW ELECTRO

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251056B	050003827902	2		10	9	LYTE LEVELS IN NUMEROUS CELLS, THE IE INSPECTOR WAS TOLD BY THE LICENSEE REPRESENTATIVE THAT ELECTROLYTE HAD BEEN REMOVED FROM NUMEROUS CELLS DURING THE INITIAL CHARGE. 3. ALL THREE BATTERIES WERE PLACED ON OPEN CIRCUIT FOR THE FINAL SET OF READINGS AND ONLY TWO CELL TEMPERATURES FOR 3A-S AND 3B-S, AND FOUR CELL TEMPERATURES FOR 3AB-S WERE RECORDED. NO ELECTROLYTE LEVELS WERE RECORDED AT ANY TIME DURING THE CHARGES, AS CONFIRMED BY THE LICENSEE REPRESENTATIVE. 4. THE FINAL SPECIFIC GRAVITY LOG FOR BATTERY 3AB-S TAKEN ON SEPTEMBER 25, 1978, INDICATED THAT CELLS NO. 4 AND 12 HAD SPECIFIC GRAVITIES OF 1.203. AN EQUALIZING CHARGE WAS NOT PERFORMED AND THE EVALUATION OF THIS CONDITION WAS NOT DOCUMENTED, AS CONFIRMED BY THE LICENSEE REPRESENTATIVE.
251056B	050003827903	-	-	10	4	-
251056B	050003827906	-	-	20	2	-
251056B	050003828205	-	-	40	8	-
251056B	050003828303	-	-	100	7	-
251056B	050003828309	-	-	100	7	-
251061B	050003827703	-	-	10	4	-
251061B	050003827705	-	-	10	20	-
251061B	050003827706	-	-	60	10	-
251061B	050003827709	-	-	60	7	-
251061B	050003827905	-	-	60	16	-
251061B	050003827906	-	-	60	2	-
251061B	050003828005	-	-	70	3	-
251061B	050003828008	-	-	70	2	-
251061B	050003828027	-	-	70	4	-
251061B	050003828028	-	-	70	5	-

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
251061B	050003828306	-	-	100	7	-
251063B	050003827709	-	-	20	7	-
251063B	050003827712	-	-	20	5	-
251063B	050003827714	-	-	20	3	-
251063B	050003827801	-	-	20	6	-
251063B	050003827808	-	-	20	1	-
251063B	050003827905	-	-	20	8	-
251063B	050003827906	-	-	20	4	-
251063B	050003828005	-	-	30	4	-
251063B	050003828008	-	-	30	2	-
251063B	050003828018	-	-	30	5	-
251063B	050003828028	-	-	70	5	-
251063B	050003828031	-	-	70	8	-
251063B	050003828111	-	-	70	3	-
251063B	050003828112	-	-	70	2	-
251063B	050003828114	-	-	80	3	-
251063B	050003828126	-	-	80	2	-
251063B	050003828127	-	-	90	2	-
251064B	050003827709	-	-	2	7	-
251064B	050003827906	-	-	30	6	-
251064B	050003828008	-	-	40	2	-
251064B	050003828018	-	-	30	5	-
251064B	050003828028	-	-	70	4	-

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251064B	050003828031	-	-	70	8	-
251064B	050003828112	-	-	70	2	-
251064B	050003828114	-	-	80	3	-
251064B	050003828126	-	-	80	2	-
251064B	050003828127	-	-	90	2	-
251065B	050003827703	-	-	10	4	-
251065B	050003827712	-	-	10	5	-
251065B	050003827714	2	-	10	9	CONTRARY TO CRITERION V OF APPENDIX B TO 10 CFR 50 AND QA REQUIREMENT QR5.0, NO TEMPERATURE OF HUMIDITY ACCEPTANCE CRITERIA ARE PROVIDED FOR LEVEL A AND LEVEL B WAREHOUSES. CONTRARY TO CRITERION V OF APPENDIX B TO 10 CFR 50 AND SECTION 6.4.1.1 OF PROCEDURE ASP-III-14, NO TEMPERATURE OR HUMIDITY DATA WERE RECORDED AS REQUIRED DURING LEVEL A AND LEVEL B WAREHOUSE SURVEILLANCE FOR A SIX MONTH PERIOD.
251065B	050003827801	-	-	20	10	-
251065B	050003827808	-	-	20	1	-
251065B	050003827905	-	-	20	8	-
251065B	050003828008	-	-	30	2	-
251065B	050003828018	-	-	30	5	-
251065B	050003828027	-	-	60	8	-
251065B	050003828028	-	-	60	5	-
251065B	050003828031	-	-	70	2	-
251065B	050003828112	-	-	70	2	-
251065B	050003828114	-	-	80	3	-
251065B	050003828126	-	-	80	3	-

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
251065B	050003828127	-	-	90	3	-
251065B	050003828229	-	-	100	8	-
251066B	050003827703	-	-	10	4	-
251066B	050003828008	-	-	20	2	-
251066B	050003828018	-	-	20	5	-
251066B	050003828027	-	-	60	8	-
251066B	050003828028	-	-	60	6	-
251066B	050003828031	-	-	70	2	-
251066B	050003828229	-	-	100	8	-
252051B	050003828022	-	-	10	8	-
252051B	050003828026	-	-	20	10	-
252051B	050003828036	-	-		10	-
252051B	050003828105	-	-	50	12	-
252051B	050003828120	-	-	50	3	-
252051B	050003828309	-	-	100	2	-
252053B	050003828022	-	-	10	6	-
252053B	050003828026	2	-	20	9	-

Electrical*Instrumentation*

FAILURE TO FOLLOW PROCEDURES RELATIVE TO THE INSTALLATION OF SAFETY-RELATED TUBING ASSEMBLIES: CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. THE MERCURY COMPANY PROCEDURE SP-656, "FABRICATION OF LOCAL INSTRUMENT PIPING AND TUBING ASSEMBLIES," REVISION 3, DATED NOVEMBER 15, 1978, PARAGRAPH 6.3.7 STATES, "PLUG ALL OPEN ENDED VALVES WITH PLASTIC CAPS OR EQUAL."
* CONTRARY TO THE ABOVE: ON OCTOBER 9, 1980, DURIN

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252053B	050003828026	2		20	9	G THE IE INSPECTOR'S TRACKING OF INSTRUMENT SENSOR TUBING RUNS, THE IE INSPECTOR OBSERVED SIX INSTALLED 1/2 INCH NEEDLE VALVES THAT WERE OPEN AND UNPROTECTED. TWO OF THESE VALVES WERE IDENTIFIED AS SAFETY-RELATED VALVES (ITEM 3 ON MERCURY COMPANY DRAWING 151-T-014-C, REV. 0) AT THE 46 FOOT ELEVATION IN THE REACTOR CONTAINMENT BUILDING.
252053B	050003828036	-	-		9	-
252053B	050003828105	-	-	30	16	-
252053B	050003828120	-	-	30	4	-
252053B	050003828309	-	-	100	8	-
252054B	050003828120	-	-	10	2	-
252055B	050003828120	-	-	10	3	-
252056B	050003828120	-	-	10	5	-
252061B	050003827705	-	-	10	20	-
252061B	050003827706	-	-	60	10	-
252061B	050003828008	-	-	70	2	-
252061B	050003828027	-	-	70	4	-
252061B	050003828028	-	-	70	4	-
252061B	050003828114	-	-	70	3	-
252061B	050003828126	-	-	7	4	-
252061B	050003828127	-	-	80	4	-
252061B	050003828306	-	-	100	7	-
252063B	050003827712	-	-	10	4	-
252063B	050003827714	-	-	10	4	-
252063B	050003827811	-	-	10	1	-

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252063B	050003828008	-	-	20	2	-
252063B	050003828028	-	-	20	5	-
252063B	050003828111	-	-	20	3	-
252063B	050003828112	-	-	20	2	-
252063B	050003828114	-	-	30	3	-
252063B	050003828126	-	-	30	2	-
252063B	050003828127	-	-	40	2	-
252063B	050003828306	-	-	60	6	-
252063B	050003828325	-	-	90	11	-
252064B	050003828008	-	-	10	2	-
252064B	050003828028	-	-	20	6	-
252064B	050003828112	-	-	20	2	-
252064B	050003828114	-	-	30	3	-
252064B	050003828126	-	-	30	3	-
252064B	050003828127	-	-	40	3	-
252064B	050003828306	-	-	60	7	-
252064B	050003828325	-	-	90	11	-
252065B	050003827712	-	-	10	4	-
252065B	050003827714	-	-	10	4	-
252065B	050003827801	-	-	10	1	-
252065B	050003828008	-	-	10	2	-
252065B	050003828027	-	-	50	9	-
252065B	050003828028	-	-	50	4	-

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
252065B	050003828105	-	-	50	9	-
252065B	050003828112	-	-	50	2	-
252065B	050003828114	-	-	60	3	-
252065B	050003828126	-	-	60	3	-
252065B	050003828127	-	-	70	3	-
252065B	050003828229	-	-	80	8	-
252065B	050003828325	-	-	90	3	-
252066B	050003828008	-	-	10	2	-
252066B	050003828027	-	-	50	9	-
252066B	050003828028	-	-	50	5	-
252066B	050003828229	-	-	80	8	-
252066B	050003828325	-	-	90	3	-
253051B	050003827702	-	-	70	16	-
253051B	050003828006	-	-	100	4	-
253051B	050003828129	-	-	100	4	-
253053B	050003827805	-	-	10	8	-
253053B	050003827903	-	-	30	6	-
253053B	050003828006	2	-	55	16	-

Instruments



Penetrations

FAILURE TO FOLLOW CONTRACT PROCEDURES RELATED TO CARE AND MAINTENANCE OF CONTAINMENT PENETRATION ASSEMBLIES: CRITERION V OF APPENDIX B TO 10 CFR 50 R EQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH PRESCRIBED INSTRUCTIONS, PROCEDURES AND DRAWINGS. EBASCO PROCEDURE CMI #141, "CARE AND MAINTENANCE INSTRUCTIONS FOR THE CONTAINMENT PENETRATION ASSEMBLIES," PER PARAGRAPH D.2, REQUIRES THAT AFTER BEING MOVED TO IN-PLACE STORAGE, THE EQUIPMENT BE PROVIDED WITH ADEQUATE PROTECTION FROM DAMAGE AND DETERIORATION AS A RESULT OF CONDITIONS OR ACTIVITIES IN THE VICINITY.

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
253053B	050003828006	2		55	16	IN ADDITION, TPB-46, REV A, "CARE AND MAINTENANCE OF PERMANENT PLANT ITEMS," PER PARAGRAPH 6.3.1, IMPLEMENTS THE CMI PROCEDURE AND REQUIRES THAT SURVEILLANCES OF THE INSTALLED EQUIPMENT BE PERFORMED ON A MONTHLY BASIS. CONTRARY TO THE ABOVE: ON MAR 20, 1980 THE IE INSPECTOR NOTED THE FOLLOWING CONDITIONS: 1. SCAFFOLDING FOR TRADES WORKING IN THE AREA OF THE INSTALLED PENETRATION ASSEMBLIES WAS IN SEVERAL PLACES, INSTALLED DIRECTLY AGAINST THE ASSEMBLIES. 2. PROTECTIVE COVERS FOR THE OPENINGS OF THE ASSEMBLIES WERE REMOVED AND/OR WERE NOT INSTALLED. FEB 18, 1980 SURVEILLANCE REPORT 730 AND SURVEILLANCE REPORT 731 INDICATED THAT THE OPENINGS OF THE COMPONENTS WERE COVERED. 3. PIPING AND PIPING SUBASSEMBLIES WERE STORED INSIDE SOME OF THE PENETRATIONS, AND IN SOME CASES, WERE DIRECTLY SUPPORTED BY THE PENETRATION ASSEMBLY.
253053B	050003828129	5		60	18	FAILURE TO FOLLOW PROCEDURES FOR THE PROTECTION OF ELECTRICAL PENETRATION ASSEMBLIES: CRITERION V OF APP B TO 10 CFR 50, REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND THAT THEY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. EBASCO CMI 28, REV 8, "CARE AND MAINTENANCE INSTRUCTIONS FOR ELECTRICAL PENETRATION ASSEMBLIES" REQUIRES THAT, DURING IN-PLACE STORAGE, PENETRATION ASSEMBLIES BE PROVIDED WITH ADEQUATE PROTECTION FROM DAMAGE AND DETERIORATION AS A RESULT OF CONDITIONS OR ACTIVITIES IN THE VICINITY. CONTRARY TO THE ABOVE, DURING A PLANT TOUR ON NOV 2, 1981, THE NRC INSPECTOR DISCOVERED PROTECTIVE BARRIERS ABSENT FROM CLASS 1E ELECTRICAL PENETRATIONS 1075B AND 1015A. PENETRATIONS IN SUCH AN UNPROTECTED CONDITION ARE SUBJECT TO DAMAGE DUE TO ADJACENT CONSTRUCTION ACTIVITIES.
253055B	050003827805	-	-	10	18	-
253055B	050003827903	-	-	40	12	-
253055B	050003827904	-	-	50	8	-
253055B	050003828006	-	-	60	3	-

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Penetrations

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
253055B	050003828129	-	-	60	12	-
255051B	050003827604	-	-	10	7	-
255051B	050003827606	-	-	100	14	-
255053B	050003827602	-	-	10	6	-
255053B	050003827604	-	-	20	3	-
255053B	050003827606	-	-	30	8	-
255053B	050003827607	-	-	50	4	-
255053B	050003827705	-	-	80	15	-
255053B	050003827706	-	-	80	22	-
255053B	050003827708	-	-	90	10	-
255053B	050003827810	-	-	90	5	-
255053B	050003828117	5	-	100	40	-

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welding
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FAILURE TO FOLLOW PROCEDURES CRITERION V OF APPENDIX B TO 10 CFR PART 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE PROCEDURES. THE FOLLOWING TWO EXAMPLES OF FAILURE TO FOLLOW PROCEDURES WERE NOTED: 1. SECTION 8.0 TO DIVISION 4 OF THE CHICAGO BRIDGE AND IRON (CB&I) NUCLEAR QUALITY ASSURANCE MANUAL FOR ASME SECTION III PRODUCTS, ISSUE NO. 6 REQUIRES THAT ALL UNUSED WELDING ELECTRODES SHALL BE RETURNED TO THE STORAGE OVENS OR DISCARDED (DESTROYED) AT THE END OF EACH SHIFT. CONTRARY TO THE ABOVE: ON JULY 6, 1981, THE NRC INSPECTORS OBSERVED SEVERAL UNUSED WELDING ELECTRODES IN A BUCKET AND ON THE FLOOR IN THE CB&I WORK AREA THAT HAD NOT BEEN RETURNED TO THE STORAGE OVENS, DESTROYED, OR REMOVED FROM THE WORK AREA AND DISCARDED AFTER THE END OF THE WORK SHIFT. 2. SECTION 14.0 TO DIVISION 4 OF THE CHICAGO BRIDGE AND IRON NUCLEAR QUALITY ASSURANCE MANUAL, ISSUE NO. 6 REQUIRES THAT ALL NONCONFORMITIES AWAITING RESOLUTION SHALL BE ENTERED ON THE NONCONFORMANCE CONTROL LIST AND REPAIRS SHALL BE CONTROLLED AND DOCUMENTED ON A REPAIR CHECK LIST. CONTRARY T

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MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
255053B	050003828117	5		100	40	0 THE ABOVE: ON JULY 7, 1981, THE NRC INSPECTORS DETERMINED THAT REINSTALLATION OF THE CONTAINMENT EQUIPMENT HATCH COVER WAS CLASSIFIED BY CHICAGO BRIDGE AND IRON AS A NONCONFORMANCE/REPAIR WHICH WAS NOT ENTERED ON THE NONCONFORMANCE CONTROL LIST NOR CONTROLLED AND DOCUMENTED ON A REPAIR CHECK LIST.
255053B	050003828122	-	-	90	9	-
255053B	050003828124	-	-	100	3	-
255055B	050003827602	-	-	10	6	-
255055B	050003827604	-	-	20	3	-
255055B	050003827607	-	-	30	4	-
255055B	050003827810	-	-	50	3	-
255055B	050003828015	-	-	90	8	-
255055B	050003828122	-	-	90	9	-
255055B	050003828124	-	-	90	3	-
255061B	050003827705	-	-	10	19	-
255061B	050003827708	-	-	20	8	-
255061B	050003827710	-	-	100	2	-
255061B	050003828122	-	-		3	-
255063B	050003827805	2		20	8	FAILURE TO FULLY INSPECT STRUCTURAL WELD: 10 CFR 50, APPENDIX B, CRITERION X REQUIRES THAT A PROGRAM FOR INSPECTION OF ACTIVITIES AFFECTING QUALITY BE EXECUTED TO VERIFY CONFORMANCE WITH PROCEDURES. EBASCO SPECIFICATION LOU 1564.723, ADDENDUM 500-70, PARAGRAPHS 4.3 AND 5 REQUIRE THAT ALL WELDS BE VISUALLY INSPECTED IN ACCORDANCE WITH SECTION 6 OF AWS D1.1-1972. CONTRARY TO THE ABOVE: THE COMPLETED FIELD WELD OF THE WALL BRACKET AT ELEVATION + 21 FOR SEISMIC SUPPORT 49B4 FOR THE NORTHWEST HOLD UP TANK WAS OBSERVED BY THE INSPECTOR ON APRIL 4, 1978, TO HAVE WELD SLAG ON A 14 INCH SECTION OF WELD, PREVENTING VISUAL INSPECTION OF THAT PORTION 0

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255063B	050003827805	2		20	8	F THE WELD. THIS WELD HAD BEEN VISUALLY INSPECTED AND ACCEPTED AS DOCUMENTED ON FORM FQAP 6-9 DATED NOVEMBER 11, 1977.
255063B	050003827807	-	-	30	12	-
255065B	050003827805	-	-	10	4	-
255065B	050003827807	-	-	20	6	-
255065B	050003828201	-	-	100	16	-
255066B	050003828305	-	-	10	52	-
255071B	050003828131	-	-	90	2	-
255071B	050003828221	-	-	100	1	-
255073B	050003828131	-	-	100		-
255074B	050003828221	-	-	100	1	-
255075B	050003828131	-	-	100	16	-
255076B	050003828221	-	-	100	12	-
255076B	050003828305	-	-	100	54	-
255081B	050003827710	-	-	80	17	-
255081B	050003828221	-	-	100	1	-
255083B	050003827801	-	-	10	4	-
255083B	050003827802	2		10	8	FAILURE TO FOLLOW PROCEDURES FOR THE CONTROL OF SPECIAL PROCESSES: 10 CFR 50, APPENDIX B, CRITERION IX REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT SPECIAL PROCESSES INCLUDING WELDING ARE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE CRITERIA. TOMPKINS-BECKWITH PROCEDURE TBP-26, REVISION B, PARAGRAPH 6.1.1.E REQUIRES THAT COMPLETED WELDS TO BE FREE OF COARSE RIPPLES, IRREGULAR SURFACES AND DEEP RIDGES OR VALLEYS BETWEEN BEADS. COMPLETED FIELD WELD 4, Q-25I-IC-71-F/E, ASSOCIATED WITH 24" SAFETY INJECTION LINE, WAS OBSERVED BY THE INSPECTOR ON FEBRUARY 23, 1978, TO CONTAIN COARSE R

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
255083B	050003827802	2		10	8	IPPLES, IRREGULAR SURFACES AND DEEP RIDGES OR VAL LEYS BETWEEN BEADS. THE WELDS DISCUSSED HAD BEEN ACCEPTED ON THE "CONTROLLED WELD JOINT RECORD."
255083B	050003827805	2		10	4	FAILURE TO PROVIDE ADEQUATE PROCEDURES: 10 CFR 50, APPENDIX B, CRITERION V STATES IN PART, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES." THE GENERAL WELDING REQUIREMENTS OF SECTION I, PARAGRAPH 2.06 OF EBASCO SPECIFICATION 884-75 STATES IN PART, "LOW HYDROGEN ELECTRODE SHALL BE PLACED IN HOLDING OVENS AT A TEMPERATURE OF 200 DEGREES F, SHALL HAVE A MAXIMUM EXPOSURE LIMIT OF FOUR HOURS AND SHALL BE REBAKED PRIOR TO REISSUE." CONTRARY TO THE ABOVE: TOMPKINS-BECKWITH PROCEDURE TBP-3, REV. 3 FOR WELD MATERIAL CONTROL DOES NOT PRESCRIBE THE HOLDING OVEN MINIMUM TEMPERATURE, THE ELECTRODE EXPOSURE LIMITS, NOR THE DISPOSITION OF RETURNED ELECTRODE.
255083B	050003827810	-	-	20	13	
255083B	050003827814	2		50	18	FAILURE TO ESTABLISH SURVEILLANCE INSPECTION PROGRAM: 10 CFR PART 50, APPENDIX B, CRITERION X REQUIRES THAT A PROGRAM FOR INSPECTION OF ACTIVITIES AFFECTING QUALITY SHALL BE ESTABLISHED TO VERIFY CONFORMANCE WITH DOCUMENTED PROCEDURES FOR ACCOMPLISHING SAFETY RELATED ACTIVITIES. TOMPKINS-BECKWITH QUALITY ASSURANCE MANUAL, PARAGRAPHS 11.4.1.1 AND 11.4.7.1 SPECIFY THAT A QUALITY CONTROL PROGRAM WILL BE PERFORMED WHICH WILL INCLUDE RECORDING OF THE QC SURVEILLANCE INSPECTION OF WELDER'S CONFORMANCE TO WELD PROCEDURE REQUIREMENTS INCLUDING GAS FLOW, VOLTS, AMPS, ETC. CONTRARY TO THE ABOVE: TOMPKINS-BECKWITH (T-B), WHO ARE INVOLVED IN THE WELDING OF SAFETY RELATED PIPING, HAVE NOT ESTABLISHED A DOCUMENTED PROGRAM FOR PERFORMING SURVEILLANCE INSPECTION OF WELDER'S CONFORMANCE TO WELD PROCEDURE REQUIREMENTS. THIS FINDING WAS CONFIRMED DURING DISCUSSION WITH T-B QA PERSONNEL.
255083B	050003828003	2		70	19	FAILURE TO FOLLOW INSPECTION PROCEDURES: 10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUM

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
255083B	050003827802	2		10	8	IPPLES, IRREGULAR SURFACES, AND DEEP RIDGES OR VAL LEYS BETWEEN BEADS. THE WELDS DISCUSSED HAD BEEN ACCEPTED ON THE "CONTROLLED WELD JOINT RECORD."
255083B	050003827805	2		10	4	FAILURE TO PROVIDE ADEQUATE PROCEDURES: 10 CFR 50 , APPENDIX B, CRITERION V STATES IN PART, "ACTIVIT IES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUM ENTED PROCEDURES OF A TYPE APPROPRIATE TO THE CIRC UMSTANCES." THE GENERAL WELDING REQUIREMENTS OF S ECTION I, PARAGRAPH 2.06 OF EBASCO SPECIFICATION 8 84-75 STATES IN PART, "LOW HYDROGEN ELECTRODE SHAL L BE PLACED IN HOLDING OVENS AT A TEMPERATURE OF 2 00 DEGREES F, SHALL HAVE A MAXIMUM EXPOSURE LIMIT OF FOUR HOURS AND SHALL BE REBAKED PRIOR TO REISSU E." CONTRARY TO THE ABOVE: TOMPKINS-BECKWITH PRO CEDURE TBP-3, REV. 3 FOR WELD MATERIAL CONTRL DOE S NOT PRESCRIBE THE HOLDING OVEN MINIMUM TEMPERATU RE, THE ELECTRODE EXPOSURE LIMITS, NOR THE DISPOSI TION OF RETURNED ELECTRODE.
255083B	050003827810	-	-	20	13	
255083B	050003827814	2		50	18	FAILURE TO ESTABLISH SURVEILLANCE INSPECTION PROG RAM: 10 CFR PART 50, APPENDIX B, CRITERION X RE QUIRES THAT A PROGRAM FOR INSPECTION OF ACTIVITIE S AFFECTING QUALITY SHALL BE ESTABLISHED TO VERIF Y CONFORMANCE WITH DOCUMENTED PROCEDURES FOR ACCO MPLISHING SAFETY RELATED ACTIVITIES. TOMPKINS-BE CKWITH QUALITY ASSURANCE MANUAL, PARAGRAPHS 11.4. 1.1 AND 11.4.7.1 SPECIFY THAT A QUALITY CONTROL P ROGRAM WILL BE PERFORMED WHICH WILL INCLUDE RECOR DING OF THE QC SURVEILLANCE INSPECTION OF WELDER' S CONFORMANCE TO WELD PROCEDURE REQUIREMENTS INCL UDING GAS FLOW, VOLTS, AMPS, ETC. CONTRARY TO TH E ABOVE: TOMPKINS-BECKWITH (T-B), WHO ARE INVOLV ED IN THE WELDING OF SAFETY RELATED PIPING, HAVE NOT ESTABLISHED A DOCUMENTED PROGRAM FOR PERFORMI NG SURVEILLANCE INSPECTION OF WELDER'S CONFORMANC E TO WELD PROCEDURE REQUIREMENTS. THIS FINDING W AS CONFIRMED DURING DISCUSSION WITH T-B QA PERSON NEL.
255083B	050003828003	2		70	19	FAILURE TO FOLLOW INSPECTION PROCEDURES: 10 CFR 5 0, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIE S AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUM ENTED PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUM

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
255083B	050003828003	2		70	19	STANCES. PROCEDURE TBP-26, REVISION H, "VISUAL IN SPECTION PROCEDURE" PARAGRAPH 6.1.5 REQUIRES THAT FINAL WELDS THAT JOIN PIPING SUBASSEMBLIES OR COMPONENTS OF EQUAL OUTSIDE DIAMETERS SHALL BE CROWNED AT THE CENTER AND SMOOTHLY TAPERED ON EACH SIDE OF THE SURFACE BEING WELDED. CONTRARY TO THE ABOVE : ON FEBRUARY 27, 1980, COMPONENT COOLING SYSTEM PIPE WELD NO. FW-2, AS SHOWN ON ISOMETRIC #5 OF DRAWING 8469-2516-R, WAS FOUND TO HAVE BEEN REWORKED AFTER FINAL INSPECTION SUCH THAT A POTENTIAL STRESS RISER REMAINED. A REVIEW OF INSTALLATION RECORDS REVEALED THAT BOTH VISUAL AND LIQUID PENETRANT INSPECTION HAD BEEN PERFORMED AND THAT THE WELD HAD BEEN ACCEPTED. SURFACE CONDITION OF THE WELD WAS UNACCEPTABLE AS DEFINED BY PROCEDURE TBP-26.
255083B	050003828006	-	-	100	6	-
255085B	050003827801	-	-	10	4	-
255085B	050003827802	2		10	6	FAILURE TO PROVIDE PROPERLY QUALIFIED PROCEDURES FOR THE CONTROL OF SPECIAL PROCESSES: 10 CFR 50, APPENDIX B, CRITERION IX REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT SPECIAL PROCESSES INCLUDING WELDING ARE CONTROLLED AND ACCOMPLISHED USING QUALIFIED PROCEDURES IN ACCORDANCE WITH APPLICABLE CODES. THE LP&L MANUAL, REQUIREMENT NO. 9, PARAGRAPHS 9.1 AND 9.2 REQUIRES THAT SUPPLIERS PERFORM SPECIAL PROCESSES USING PROCEDURES QUALIFIED IN ACCORDANCE WITH SPECIFIED CODES, INCLUDING ASME B&PV CODE, SECTION III. CONTRARY TO THE ABOVE: TOMPKINS-BECKWITH WELDING PROCEDURE SPECIFICATION WP 1.6, FOR USE IN CONTROLLING WELDING CONDITIONS FOR CONTAINMENT PENETRATION ASSEMBLIES, WAS NOT QUALIFIED IN ACCORDANCE WITH THE ASME B&PV CODE, SECTION III, PART NE, 1971 EDITION, INCLUDING WINTER 1973 ADDENDA, IN THAT THE CHARPY IMPACT TESTING PERFORMED FOR PROCEDURE QUALIFICATION RECORD WP 1.6C WAS AT A TEMPERATURE OF 50 DEGREES F RATHER THAN 20 DEGREES F AS SPECIFIED BY THE CODE.
255085B	050003827810	-	-	30	8	-
255085B	050003828006	-	-	60	14	-
255085B	050003828015	-	-	100	7	-

Welding

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255085B	050003828305	-	-	100	38	-
255152B	050003828015	-	-	100	5	-
255155B	050003827916	-	-	50	10	-
255155B	050003828015	-	-	100	6	-
255155B	050003828305	-	-	10	40	-
255171B	050003827903	-	-	30	18	-
255171B	050003828005	-	-	80	2	-
255171B	050003828221	-	-	100	1	-
255172B	050003827916	-	-	80	4	-
255172B	050003827917	-	-	100	8	-
255173B	050003827907	-	-	10	8	-
255173B	050003827908	-	-	20	12	-
255173B	050003827916	-	-	30	8	-
255173B	050003828002	-	-	100	8	-
255173B	050003828005	-	-	40	1	-
255173B	050003828221	-	-	80	1	-
255175B	050003827907	-	-	10	6	-
255175B	050003827916	-	-	40	2	-
255175B	050003828018	-	-	70	9	-
255175B	050003828112	-	-	100	14	-
255175B	050003828305	-	-	100	40	-
255176B	050003827916	-	-	50	2	-
255176B	050003828002	-	-	100	8	-

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Material control

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255176B	050003828005	-	-	50	1	
255176B	050003828117	-	-	90	12	
255176B	050003828206	D				<p>PARA 5.2.3 OF THE FSAR SPECIFIES THAT THE MATERIAL SPECS FOR THE 42-INCH DIAMETER REACTOR COOLANT PIPING IS SA-516, GRADE 70, AND THE WELD METAL IS SFA 5.1, E7018. IN DEVIATION FROM THE ABOVE, THE WELD METAL IN THE 42-INCH DIAMETER REACTOR COOLANT PIPING, WELDS P10W1 AND P10W2, DOES NOT MEET SPEC REQUIREMENTS OF SFA 5.1, E7018, AND COMBUSTION ENGINEERING IN ANALYTICAL EVALUATION REPT CENC-1460 DERATED THE PIPING MATERIAL TO BE EQUIVALENT TO SPEC SA-516, GRADE 65. LOUISIANA POWER AND LIGHT COMPANY IS HEREBY REQUESTED TO SUBMIT TO THIS OFFICE, WITHIN 30 DAYS OF THE DATE OF THIS NOTICE OF DEVIATION, A WRITTEN STATEMENT OR EXPLANATION IN REPLY, INCLUDING: (1) THE CORRECTIVE STEPS WHICH HAVE BEEN TAKEN AND THE RESULTS ACHIEVED; (2) CORRECTIVE STEPS WHICH WILL BE TAKEN TO AVOID FURTHER DEVIATION FROM COMMITMENTS MADE TO THE COMMISSION, AND (3) THE DATE WHEN FULL COMPLIANCE WILL BE ACHIEVED. CONSIDERATION MAY BE GIVEN TO EXTENDING YOUR RESPONSE TIME FOR GOOD CAUSE SHOWN.</p>
255176B	050003828221	-	-	90		
255177B	050003827908	-	-	30	7	
255177B	050003827916	-	-	50	1	
255177B	050003828002	-	-	90	2	
255177B	050003828005	-	-	60	1	
255177B	050003828221	-	-	80	1	
255178B	050003828221	-	-	80	1	
255181B	050003828005	-	-	90	2	
255181B	050003828221	-	-	100	1	
255182B	050003827917	-	-	90	20	

Heat treatment

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255182B	050003828005	-	-	80	1	-
255182B	050003828221	-	-	100	1	-
255183B	050003827911	-	-	60	10	-
255183B	050003828005	-	-	70	7	-
255183B	050003828221	-	-	100	4	-
255185B	050003827911	-	-	50	12	-
255185B	050003828005	-	-	40	1	-
255185B	050003828018	-	-	70	9	-
255185B	050003828305	-	-	100	40	-
255186B	050003828005	-	-	80	1	-
255186B	050003828306	-	-	100	8	-
255187B	050003828005	-	-	80	1	-
255187B	050003828221	-	-	90	1	-
255904B	050003828305	-	-	10	40	-
257900B	050003828305	-	-	10	55	-
257901B	050003828305	-	-	10	55	-
257902B	050003828305	-	-	10	55	-
257903B	050003828305	-	-	10	55	-
257904B	050003828305	-	-	10	50	-
273051B	050003828217	-	-	100	10	-
273052B	050003828217	-	-	100	8	-
273053B	050003828217	-	-	100	20	-
273055B	050003828217	-	-	100	8	-

insurance
exception

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280220B	050003827603	-	-	100	9	-
280220B	050003827701	- E.P.	-	100	6	-
280220B	050003827804	-	-	100	18	-
280220B	050003827912	-	-	100	46	-
292700B	050003827708	-	-	-	22	-
292700B	050003827709	- Events	-	-	17	-
292700B	050003827711	- +	-	-	4	-
292700B	050003827713	-	-	-	12	-
292700B	050003827802	- Follow-ups	-	-	18	-
292700B	050003828129	-	-	-	14	-
292701B	050003827601	-	-	-	4	-
292701B	050003827604	-	-	-	9	-
292701B	050003827605	-	-	-	12	-
292701B	050003827605	-	-	-	4	-
292701B	050003827606	-	-	-	2	-
292701B	050003827607	-	-	-	1	-
292701B	050003827608	-	-	-	1	-
292701B	050003827609	-	-	-	1	-
292701B	050003827611	-	-	-	7	-
292701B	050003827702	-	-	-	6	-
292701B	050003827706	-	-	-	2	-
292701B	050003827707	-	-	-	3	-
292701B	050003827708	-	-	-	4	-

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292701B	050003827709	-	-		1	-
292701B	050003827710	-	-		2	-
292701B	050003827711	-	-		3	-
292701B	050003827713	-	-		11	-
292701B	050003827714	-	-		4	-
292701B	050003827801	-	-		4	-
292701B	050003827802	-	-		16	-
292701B	050003827806	-	-		6	-
292701B	050003827810	-	-		10	-
292701B	050003827901	-	-		5	-
292701B	050003827902	-	-		2	-
292701B	050003827910	-	-		20	-
292701B	050003827916	-	-		9	-
292701B	050003828002	-	-		2	-
292701B	050003828003	-	-		12	-
292701B	050003828005	-	-		4	-
292701B	050003828010	-	-		14	-
292701B	050003828015	-	-		4	-
292701B	050003828021	-	-		13	-
292701B	050003828022	-	-		4	-
292701B	050003828026	-	-		20	-
292701B	050003828104	-	-		16	-
292701B	050003828111	-	-		5	-

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MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
292701B	050003828112	-	-		14	
292701B	050003828114	-	-		2	
292701B	050003828124	-	-		32	
292701B	050003828131	-	-		1	
292701B	050003828205	-	-		2	
292701B	050003828206	-	-		20	
292701B	050003828208	-	-		4	
292701B	050003828217	-	-		1	
292701B	050003828221	-	-		1	
292701B	050003828306	-	-		1	
292701B	050003828306	-	-		2	
292701B	050003828309	5	2		1	FAILURE TO MAINTAIN DOCUMENTATION FOR INSTALLATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT: CRITERION XVII OF 10CFR50, APP B, REQUIRES THAT SUFFICIENT RECORDS BE MAINTAINED TO FURNISH EVIDENCE OF ACTIVITIES AND SHALL BE IDENTIFIABLE AND RETRIEVABLE. A. CONTRARY TO THE ABOVE, EBASCO SERVICES, INC., COULD NOT PRODUCE THE INSPECTION RECORDS FOR THE INSTALLATION OF THE MOTOR FOR CONTROL ROOM SUPPLY FAN 3BSB. THIS SAFETY-RELATED MOTOR WAS PROPERLY INSTALLED AND INSPECTION RECORDS FOR FAN 3BSB AND ASSOCIATED AIR HANDLING AH-12 WERE INADEQUATE. B. CONTRARY TO THE ABOVE, FISCHBACH & MOORE COULD NOT PRODUCE THE INSPECTION REPORTS FOR THE MOUNTING OF DIESEL GENERATOR CONTROL AND RELAY PANEL 3B-S. THIS PANEL WAS PROPERLY INSTALLED AND THE INSPECTION RECORDS FOR THE OTHER PANELS ASSOCIATED WITH THE 3B DIESEL GENERATOR WERE INADEQUATE
292701B	050003828309	5	2			FAILURE TO FOLLOW PROCEDURES FOR UPDATING RED-LINE DRAWINGS FOR SAFETY-RELATED INSTRUMENTATION: CRITERION V OF 10CFR50, APP B, REQUIRES THAT ACTIVITIES AFFECTING SAFETY SHALL BE ACCOMPLISHED IN A

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MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
292701B	050003828309	5	2			CCORDANCE WITH INSTRUCTIONS, PROCEDURES AND DRAWINGS. MERCURY PROCEDURE SP 677, REV 5, "PROCEDURE FOR RED-LINING DRAWINGS," PARAGRAPH 6.1.5.1, REQUIRES THAT CHANGES REFLECTED IN THE RED-LINED DRAWING BE INCORPORATED IN A NEW REVISION WITHIN 90 DAYS OF THE FIRST RED-LINE AND SUBMITTED TO EBASCO SERVICES INC., FOR APPROVAL. CONTRARY TO THE ABOVE, DURING THE PERIOD OF FEB 8-10, 1983, THE NRC INSPECTOR IDENTIFIED THE FOLLOWING THREE MERCURY COMPANY DRAWINGS WITH RED-LINE DRAWINGS THAT HAD GONE CONSIDERABLY MORE THAN 90 DAYS WITHOUT A NEW REVISION INCORPORATING THE CHANGES. DRAWING NO. 853-T-005A, REV 3, RED-LINE DATE RL-1 DTD FEB 5, 1982; DRAWING NO. 853-T-005A, REV 3, RED-LINE DATE RL-1 THRU 7 DTD FEB 15, 1982, THRU MAR 22, 1982; DRAWING NO. 853-T-008A, REV 2, RED-LINE DATE RL'S DTD FEB 6, 1982 THRU APR 15, 1982.
292701B	050003828317	-	-		20	-
292702B	050003827510	-	-		4	-
292702B	050003827601	-	-		3	-
292702B	050003827602	-	-		3	-
292702B	050003827604	-	-		9	-
292702B	050003827605	-	-		6	-
292702B	050003827606	-	-		2	-
292702B	050003827607	-	-		14	-
292702B	050003827608	-	-		10	-
292702B	050003827609	-	-		10	-
292702B	050003827611	-	-		6	-
292702B	050003827611	-	-		7	-
292702B	050003827702	-	-		8	-
292702B	050003827703	-	-		1	-

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
292702B	050003827704	-	-		2	-
292702B	050003827705	-	-		5	-
292702B	050003827707	-	-		3	-
292702B	050003827712	-	-		4	-
292702B	050003827801	-	-		4	-
292702B	050003827805	-	-		6	-
292702B	050003827806	-	-		6	-
292702B	050003827807	-	-		16	-
292702B	050003827811	-	-		10	-
292702B	050003827814	-	-		6	-
292702B	050003827816	-	-		12	-
292702B	050003827816	-	-		10	-
292702B	050003827902	2			8	FAILURE TO FOLLOW PROCEDURE - SURVEILLANCE OF WELDING PARAMETERS: CRITERION V OF APPENDIX B TO 10 CFR PART 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS, PROCEDURES, AND DRAWINGS. SECTION 6.1.14 OF T-B PROCEDURE, "VISUAL INSPECTION" TBP-26, REVISION D, STATES IN PART, "SURVEILLANCE OF WELDING PARAMETERS, IE., AMPERAGE, VOLTAGE, GAS FLOW RATE, ETC., WILL BE PERFORMED DAILY ON A RANDOM BASIS TO VERIFY CONFORMANCE WITH THE WELDING PROCEDURE BEING USED." CONTRARY TO THE ABOVE: THE WELDING PARAMETERS, PREHEAT AND INTERPASS TEMPERATURES, WERE NOT INCLUDED IN THE SURVEILLANCE CONDUCTED ON SAFETY RELATED PIPE WELDING ACTIVITIES DURING THE PERIOD DECEMBER 21, 1978, THROUGH JANUARY 25, 1979, AS VERIFIED IN A DISCUSSION WITH THE COGNIZANT WELDING SURVEILLANCE INSPECTOR.
292702B	050003827905	-	-		6	-
292702B	050003827906	-	-		3	-

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292702B	050003827907	-	-		6	-
292702B	050003827910	-	-		8	-
292702B	050003828020	-	-		2	-
292702B	050003828105	D			20	<p>FAILURE TO CONTINUE CORRECTIVE ACTION COMMITMENT - WEEKLY SURVEILLANCE INSPECTION: DURING A PREVIOUS INSPECTION, IE INSPECTION REPORT NO. 50-382/80-06, DATED APRIL 4, 1980, THE NRC INSPECTOR IDENTIFIED AN ITEM OF NONCOMPLIANCE WHEREIN THE LICENSEE'S SUBCONTRACTOR FAILED TO FOLLOW CONTRACT PROCEDURES RELATIVE TO THE CARE AND MAINTENANCE INSTRUCTIONS (CMI'S) FOR THE CONTAINMENT PENETRATION ASSEMBLIES. THE LICENSEE RESPONDED TO THE ABOVE VIOLATION IN A LETTER DATED MAY 9, 1980. PARAGRAPH 2 OF THIS LETTER STATED, IN PART, "CORRECTIVE ACTION TAKE N TO PRECLUDE REPETITION," "QC WILL INCREASE SURVEILLANCE INSPECTIONS TO ENSURE THAT CMI REQUIREMENTS ARE BEING COMPLIED WITH. INSPECTIONS WILL BE CONDUCTED ON A WEEKLY BASIS AND THE RESULTS DOCUMENTED." CONTRARY TO THE ABOVE: DURING THIS INSPECTION, THE NRC INSPECTOR OBSERVED THAT THE SUBCONTRACTOR'S QC DEPARTMENT IMPLEMENTED WEEKLY SURVEILLANCE INSPECTIONS ON APRIL 4, 1980, THROUGH MAY 31, 1980, AND DOCUMENTED THEM ON TOMPKINS-BECKWITH'S FORM NO. GP-723-67, "IN-PLACE STORAGE SURVEILLANCE REPORTS." HOWEVER, THERE ARE NO RECORDS TO INDICATE THAT QC SURVEILLANCE INSPECTIONS OF CONTAINMENT PENETRATIONS WERE CONDUCTED FROM JUNE 1, 1980, TO THE PRESENT (NEITHER ON A WEEKLY NOR MONTHLY BASIS). FAILURE TO VERIFY OR EVALUATE THE ACCEPTABILITY OF INSPECTION AND TESTS RESULTS: LP&L'S COMMITMENT TO THE NRC GREEN BOOK, WASH 1309, DATED MAY 10, 1974, IS IDENTIFIED IN A LETTER (LPL-7109), LP&L TO NRC, DATED JUNE 23, 1977, AND IN THE LP&L QA MANUAL, SECTION 2.0, TABLE 2-1. THE GREEN BOOK, "GUIDANCE ON QUALITY ASSURANCE REQUIREMENTS DURING THE CONSTRUCTION PHASE OF NUCLEAR POWER PLANTS," CONTAINS THE "SUPPLEMENTARY QUALITY ASSURANCE REQUIREMENTS FOR INSTALLATION, INSPECTION AND TESTING OF MECHANICAL EQUIPMENT AND SYSTEM FOR THE CONSTRUCTION PHASE OF NUCLEAR POWER PLANTS," DRAFT ANSI N45.2.8 . SECTION 2.0 OF THE DRAFT STANDARD, "GENERAL REQUIREMENTS," SUBSECTION 2.3, "RESULTS," STATES, IN</p>

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
292702B	050003828105	D			20	PART, "TEST REPORTS AND DATA SHEETS INCLUDE AN EVALUATION OF THE ACCEPTABILITY OF INSPECTION AND TEST RESULTS AND PROVIDE FOR IDENTIFYING THE INDIVIDUAL WHO PERFORMED THE EVALUATION." CONTRARY TO THE ABOVE: A. TOMPKINS-BECKWITH (T-B0 FORM GP-723-43, "TENSION TEST REPORTS," WHICH REFLECT TENSION TEST RESULTS FOR THE T-B PROCEDURE TBP-33, "PROCEDURE FOR INSPECTING DRILLED-IN EXPANSION TYPE ANCHORS IN SEISMIC CLASS I CONCRETE," WERE NOT EVALUATED FOR ACCEPTABILITY AT THE CONCLUSION OF THE INSPECTION/TESTING ACTIVITY DURING THE PERIOD FEBRUARY 27, 1978, THROUGH JANUARY 28, 1981. B. ALL TENSION TEST REPORTS WERE CONSIDERED COMPLETE AND WERE BEING RETAINED IN THE T-B QA/QC RECORDS STORAGE VAULT PRIOR TO FINAL TURNOVER TO THE LICENSEE. C. OF THE 115 TENSION TEST REPORTS REVIEWED BY THE T-B QA SUPERVISOR DURING THIS IE INSPECTION PERIOD, 111 REPORTS WERE FOUND TO HAVE UNACCEPTABLE DISCREPANCIES. D. THE T-B COGNIZANT REPRESENTATIVE INDICATED THAT T-B DOES NOT HAVE PROVISIONS IN THEIR QA PROGRAM PROCEDURES FOR EVALUATING THE ACCEPTABILITY OF INSPECTION AND TEST RESULTS, NOR PROVIDES THE IDENTITY OF AN INDIVIDUAL WHO WOULD PERFORM AN EVALUATION.
292702B	050003828107	-	-		12	-
292702B	050003828131	-	-		1	-
292702B	050003828205	-	-		11	-
292702B	050003828206	-	-		8	-
292702B	050003828208	-	-		4	-
292702B	050003828316	-	-		1	-
292702B	050003828317	-	-		16	-
292703B	050003827917	-	-		20	-
292703B	050003828013	-	-		22	-
292703B	050003828014	-	-		31	-
292703B	050003828016	-	-		23	-

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292703B	050003828020	-	-		3	-
292703B	050003828026	-	-		4	-
292703B	050003828036	-	-		6	-
292704B	050003828110	-	-		34	-
292704B	050003828114	-	-		11	-
292705B	050003827510	-	-		4	-
292705B	050003827602	-	-		3	-
292705B	050003827702	-	-		21	-
292705B	050003827703	-	-		2	-
292705B	050003827704	-	-		2	-
292705B	050003827705	-	-		5	-
292705B	050003827706	-	-		7	-
292705B	050003827707	-	-		10	-
292705B	050003828120	-	-		3	-
292706	050003828303	-	-		20	-
292706	050003828309	-	-		2	-
292706B	050003827607	-	-		17	-
292706B	050003827608	-	-		23	-
292706B	050003827609	-	-		35	-
292706B	050003827610	-	-		4	-
292706B	050003827611	-	-		12	-
292706B	050003827701	-	-		1	-
292706B	050003827702	-	-		25	-

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292706B	050003827703	-	-		11	-
292706B	050003827704	-	-		10	-
292706B	050003827705	-	-		35	-
292706B	050003827706	-	-		19	-
292706B	050003827707	-	-		10	-
292706B	050003827708	-	-		36	-
292706B	050003827709	-	-		18	-
292706B	050003827710	-	-		10	-
292706B	050003827711	-	-		40	-
292706B	050003827712	-	-		9	-
292706B	050003827713	-	-		15	-
292706B	050003827714	-	-		10	-
292706B	050003827801	-	-		14	-
292706B	050003827802	-	-		14	-
292706B	050003827803	-	-		6	-
292706B	050003827805	-	-		25	-
292706B	050003827806	-	-		4	-
292706B	050003827807	-	-		25	-
292706B	050003827808	3	-		49	-

FAILURE TO REPORT SAFETY SIGNIFICANT DEFICIENCY:
10 CFR PART 50.55, PARAGRAPH (E)(1), "CONDITIONS OF
CONSTRUCTION PERMIT" STATES IN PART, "...THE HOL-
DER OF THE PERMIT SHALL NOTIFY THE COMMISSION OF EACH
DEFICIENCY FOUND IN DESIGN AND CONSTRUCTION, WHICH,
WERE IT TO HAVE REMAINED UNCORRECTED, COULD
HAVE AFFECTED ADVERSELY THE SAFETY OF OPERATIONS OF
THE NUCLEAR PLANT AT ANY TIME THROUGHOUT THE EXP-
ECTED LIFETIME OF THE PLANT, AND WHICH REPRESENTS:

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292706B	050003827808	3			49	<p>... (II) A SIGNIFICANT DEFICIENCY IN FINAL DESIGN AS APPROVED AND RELEASED FOR CONSTRUCTION SUCH THAT THE DESIGN DOES NOT CONFORM TO THE CRITERIA AND BASES STATED IN THE SAFETY ANALYSIS REPORT OR CONSTRUCTION PERMIT..." CONTRARY TO THE ABOVE, BY COPY OF A LETTER DATED OCTOBER 19, 1977, COMBUSTION ENGINEERING, INC. TO EBASCO SERVICES, INC. (C-CE-4696), THE LICENSEE WAS ADVISED OF A SIGNIFICANT FLOW PROBLEM EXPERIENCED IN THE HPSI SYSTEM OF A SIMILAR DESIGNED FACILITY WHICH WAS ATTRIBUTED TO EXCESSIVE PRESSURE DROP THROUGH SPECIFICALLY IDENTIFIED CONTROL VALVES. THE LETTER FURTHER STATES THAT, "THE REDUCTION IN FLOW WAS SERIOUS ENOUGH TO INVALIDATE THE SAFETY ANALYSIS (ECCS ANALYSIS 10 CFR 50 APPENDIX K)." IT WAS CONFIRMED IN DISCUSSIONS WITH THE LICENSEE THAT HPSI CONTROL VALVES OF THE SAME DESIGN AS DESCRIBED IN THE COMBUSTION ENGINEERING LETTER HAD BEEN SUPPLIED TO WATERFORD 3. THIS MATTER WAS NOT REPORTED TO THE NRC BY THE LICENSEE IN ACCORDANCE WITH 10 CFR 50.55(E).</p>
292706B	050003827809	-	-		12	-
292706B	050003827810	-	-		31	-
292706B	050003827811	2			16	<p>FAILURE TO FOLLOW CONTRACT SPECIFICATION PROVISIONS RELATED TO FIRE PREVENTION: CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH PRESCRIBED INSTRUCTIONS, PROCEDURES AND DRAWINGS. SECTION D-7 OF CONTRACT W3-NY-16, "ERECTION OF MAIN AND MISCELLANEOUS STRUCTURAL STEEL AND PERFORMANCE OF RELATED WORK" APPLICABLE TO AMERICAN BRIDGE AND SIMILAR RESTRICTIONS IN OTHER CONTRACTS APPLICABLE TO OTHER CONSTRUCTION CONTRACTORS PRECLUDE THE USE OF WOOD AND OTHER FLAMMABLE MATERIALS WITHIN THE REACTOR CONTAINMENT UNLESS THE WOOD HAS BEEN TREATED WITH A FLAME RETARDANT. CONTRARY TO THE ABOVE: 1. ON SEPTEMBER 7, 1978, IT WAS OBSERVED: THAT TEMPORARY COVERS INSTALLED ON TWO FAN/COOLER UNITS STORED WITHIN THE CONTAINMENT STRUCTURE, WERE FABRICATED FROM PLYWOOD AND PLASTIC SHEETING NOT IDENTIFIED AS FLAME RETARDANT. SUBSEQUENT DISCUSSIONS WITH LP&L AND EBASCO PERSONNEL COULD NOT CONFIRM THAT THE TEMPORARY COVERS WERE FLAME RETARDANT. 2. IT WAS ALSO OBSERVED ON SEPTEMBER 7,</p>

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
292706B	050003827811	2			16	1978, THAT WOODEN PLANKING, BEING UTILIZED AS TEMPORARY SCAFFOLDING BY AMERICAN BRIDGE WITHIN THE CONTAINMENT, WAS NOT IDENTIFIED AS FLAME RETARDANT WOOD. LICENSEE AND CONTRACTOR INVESTIGATION CONFIRMED THAT THE PLANKING WAS NOT TREATED FOR FIRE RETARDANCY.
292706B	050003827812	2			17	FAILURE TO PROPERLY INSPECT STRUCTURAL WELDS: 10 CFR 50, APPENDIX B CRITERION X REQUIRES THAT A PROGRAM FOR INSPECTION OF ACTIVITIES AFFECTING QUALITY BE EXECUTED TO VERIFY CONFORMANCE WITH PROCEDURE S. THE AMERICAN BRIDGE PROCEDURE NO. 6, REV. E, PARAGRAPH 6.8.2 REQUIRES THAT WELD PROFILES BE AS SHOWN IN FIGURE 3.6 OF THE AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE D1.1 AND THAT UNDERCUT BE NO GREATER THAN 0.03 INCHES. CONTRARY TO THE ABOVE: ONE FULL PENETRATION WELD AND TWO FILLET WELDS, AT ELEVATION (-)4' IN THE CONTAINMENT BUILDING STRUCTURE STEEL, HAD BEEN VISUALLY INSPECTED AND ACCEPTED BY AMERICAN BRIDGE, BUT WERE FOUND TO HAVE UNDERCUT OF APPROXIMATELY .06 INCHES AND OVERLAP AND SLAG IN EXCESS OF THE ACCEPTANCE CRITERIA SPECIFIED IN AMERICAN BRIDGE PROCEDURE NO. 6 AND THE AWS STRUCTURAL WELDING CODE D1.1.
292706B	050003827813	-	-		20	-
292706B	050003827814	-	-		8	-
292706B	050003827815	-	-		16	-
292706B	050003827901	-	-		6	-
292706B	050003827902	-	-		15	-
292706B	050003827903	-	-		20	-
292706B	050003827904	-	-		10	-
292706B	050003827905	-	-		12	-
292706B	050003827906	-	-		3	-
292706B	050003827907	-	-		12	-
292706B	050003827908	-	-		8	-

MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
292706B	050003827910	-	-		15	-
292706B	050003827912	-	-		5	-
292706B	050003827916	-	-		12	-
292706B	050003827917	-	-		29	-
292706B	050003828002	-	-		15	-
292706B	050003828003	-	-		13	-
292706B	050003828005	-	-		6	-
292706B	050003828006	-	-		25	-
292706B	050003828008	-	-		6	-
292706B	050003828009	2			8	

FAILURE TO FOLLOW CONTRACT PROCEDURES RELATIVE TO THE CARE OF SAFETY-RELATED PIPING CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. SECTION P.9 OF THE EBASCO CONTRACT SPECIFICATION FOR TOMPKINS-BECKWITH, CONTRACT NO. W3-NY-11, REQUIRES THAT THE CONTRACTOR ABIDE BY THE GUIDELINE PROVISIONS OF ANSI N45.2.2, "PACKAGING, SHIPPING, RECEIVING, STORAGE, AND HANDLING OF ITEMS FOR NUCLEAR POWER PLANTS." SECTION 6.1.1 REQUIRES THAT DURING CONSTRUCTION THE POSSIBILITY OF DAMAGE TO MATERIALS OR COMPONENTS OR THE LOWERING OF QUALITY DUE TO CORROSION, CONTAMINATION, OR DETERIORATION BE MINIMIZED. ALSO, SECTION 6.1.2 REQUIRES THAT ITEMS SUCH AS PIPING BE STORED ON A CRIBBING OR EQUIVALENT TO ALLOW FOR AIR CIRCULATION AND TO AVOID TRAPPING WATER. CONTRARY TO THE ABOVE: ON APRIL 23, 1980, DURING A BACKSHIFT INSPECTION, THE INSPECTOR OBSERVED THREE SPOOLS OF COMPONENT COOLING WATER PIPING LYING DIRECTLY ON THE CONCRETE FLOORING IN THE REACTOR CONTAINMENT BUILDING AT ELEVATION 0. THE PIPING (3CC-10-13A/B-1, 3CC-10-57 AND 3CC-10-33B-22-1) WAS NOT SEGREGATED FROM THE STORAGE OF OTHER MATERIALS TO MINIMIZE

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MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
292706B	050003828009	2			8	DAMAGE. THESE OTHER MATERIALS INCLUDED REINFORCING STEEL, TOOLS, PIECES OF SCAFFOLDING, AND OTHER ITEMS APPARENTLY USED BY THE CONSTRUCTION TRADES WORKING IN THE AREA.
292706B	050003828010	-	-		12	-
292706B	050003828018	-	-		7	-
292706B	050003828020	-	-		10	-
292706B	050003828027	-	-		9	-
292706B	050003828031	-	-		2	-
292706B	050003828104	-	-		11	-
292706B	050003828105	-	-		12	-
292706B	050003828107	-	-		6	-
292706B	050003828110	-	-		3	-
292706B	050003828111	-	-		13	-
292706B	050003828112	-	-		18	-
292706B	050003828116	-	-			-
292706B	050003828117	-	-		6	-
292706B	050003828120	-	-		3	-
292706B	050003828122	-	-		5	-
292706B	050003828124	-	-		4	-
292706B	050003828126	-	-		4	-
292706B	050003828127	-	-		4	-
292706B	050003828129	-	-		18	-
292706B	050003828131	-	-		6	-
292706B	050003828201	-	-		9	-

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MODULE#	DOCKET REPORT	DEVIATION/ SEVERITY	SEVERITY SUPPLEMENT	PCT COMPLETE	STAFF HRS	TEXT
292706B	050003828205	-	-		16	-
292706B	050003828206	-	-		12	-
292706B	050003828208	-	-		25	-
292706B	050003828213	-	-		20	-
292706B	050003828217	-	-		2	-
292706B	050003828218	-	-		6	-
292706B	050003828219	-	-		130	-
292706B	050003828221	-	-		3	-
292706B	050003828227	-	-		5	-
292706B	050003828229	-	-		44	-
292706B	050003828306	-	-		15	-
292706B	050003828313	-	-		13	-
292706B	050003828316	-	-		12	-
292706B	050003828317	-	-		2	-
292706B	050003828325	-	-		4	-
292706B	050003828331	-	-		23	-
292715B	050003828014	-	-		8	-
294600C	050003828109	-	-		8	-
294702B	050003827812	-	-		16	-
294702B	050003828101	-	-		27	-

XXXXX FT03 TYPE 0 END OF MARK IV REPORT

Henry O. Phillips

Waterford - 3 DocRef 05000382

Enforcement violations with brief Text
Sorted by module with dates
of applicable inspection (for all Phases)

Note: Module listing starts on page 5
(No module ref was put into 76C for items
on pages 1-5)

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FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
061775	062075	<i>No Mod ref.</i>	2	2	<p>CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XI, TEST RESULTS OF SAND FOR FRIABLE PARTICLES AND CLAY LUMPS WERE NOT EVALUATED PRIOR TO MIXING OF CONCRETE FOR DESIGN STRENGTH TESTS.</p> <p>CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XV, 2-3% OF THE REINFORCING STEEL ACCEPTED DID NOT MEET THE END SQUARENESS TOLERANCE AS DESIGNATED IN EBASCO SPECIFICATION LOU 1564.473.</p> <p>CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, A STATISTICAL PROGRAM FOR SAMPLING OF MILL SILOS HAD NOT BEEN ESTABLISHED, SILO SAMPLES WERE NOT TAKEN AND RECORDING OF DATA WAS NOT ACCOMPLISHED IN ACCORDANCE WITH PROCEDURE NO. QC 4.0-2.</p> <p>CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XV, NONCONFORMING REINFORCING STEEL WAS NOT IDENTIFIABLE FROM THE "NOTICE OF NONCONFORMING MATERIAL/EQUIPMENT AT SITE" REPORT (NRC) TO THE MATERIAL RECEIVED REPORTS. ALSO THE NRC WAS NOT IDENTIFIED ON THE MATERIAL RECEIVING INSPECTION REPORT.</p> <p>CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, COARSE AGGREGATE STOCKPILING WAS NOT IN ACCORDANCE WITH ACI 614, "RECOMMENDED PRACTICE FOR MEASURING, MIXING AND PLACING CONCRETE (PSAR, AMENDMENT NO. 12, Q 5.8-2). THE AGGREGATE WAS STOCKPILED BY CONVEYOR TO A HEIGHT WHICH WAS CONDUCIVE TO SEGREGATION</p>
120275	120575		2	2	<p>CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XV, DISPOSITION CONCERNING CORRECTIVE ACTION COULD NOT BE MADE ON SEVERAL AGGREGATE SIEVE ANALYSES WHICH DID NOT MEET SPECIFICATIONS.</p> <p>CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, REVISIONS TO THE EBASCO SPECIFICATION, LOU 1564.472, "CONCRETE MASONRY SEISMIC CLASS I," WERE MADE BY MEMORANDUM RATHER THAN BY THE PRESCRIBED REQUIREMENTS AS SPECIFIED IN EBASCO PROCEDURE ASP-1-4, "DESIGN CONTROL."</p>
010776	010976		2	2	<p>CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, EBASCO SPECIFICATION LOU 1564.472, AND DURING PLACEMENT NO. 4995024 ON 12/22/75, ON 9 CUBIC YARD LOAD OF CONCRETE WITH 7% AIR CONTENT WAS PLACED IN THE COMMON FOUNDATION MAT.</p>
021076	031276		2	2	<p>CONTRARY TO THE ABOVE, FEGLES POWER SERVICES CORPORATION HAD RECEIVED AND INSTALLED REBAR FOR THE REACTOR SHIELD WALL WITHOU APPROVED PROCEDURES FOR T</p>

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FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
021076	031276		2	2	THESE ACTIVITIES. CONTRARY TO THE ABOVE, CHICAGO BRIDGE & IRON HAS PERFORMED WELDING ON THE STEEL CONTAINMENT WITHOUT PROCEDURES FOR MONITORING CONTROL OF CURRENT, VOLTAGE AND RATE OF TRAVEL. CONTRARY TO THE ABOVE, A CONTRACT WAS AWARDED TO FEGLES POWER SERVICES CORPORATION FOR ERECTION OF THE REACTOR SHIELD WALL PRIOR TO THE CONDUCT OF A FACILITY AUDIT OF FEGLES QUALITY ASSURANCE PROGRAM.
051176	052176		4	2	SEVERAL EBASCO FORMS, DOCUMENTING TEST RESULTS, WERE NOT MARKED TO INDICATE INSPECTION ACCEPTANCE OR REJECTION.
051176	052176		4	D	NO PROVISIONS WERE PROVIDED TO FOR THE DISPOSAL OF USED ELECTRODE STUBS TO PRECLUDE THEIR INADVERTENT INCORPORATION IN A WELDMENT.
092176	092476		2	2	CONTRARY TO 10 CFR 50, APP. B, CRITERION V: HANDLING VESSEL AND STEAM GENERATOR NO. 2 WERE NOT PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF EBASCO PROCEDURE QCIP-16 IN THAT RECORDS DOCUMENTING THESE INSPECTIONS WERE NOT PREPARED BY QC PERSONNEL. CONTRARY TO 10 CFR 50, APP. B, CRITERION V: CONTROL OF PURCHASED ITEMS RECEIVED AND ACCEPTED AT THE SITE WAS NOT PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF EBASCO PROCEDURE ASP-III-14 IN THAT MATERIAL RECEIVED INSPECTION REPORTS FOR TWELVE (12) ELECTRICAL PENETRATION ASSEMBLIES INDICATED THAT THE ASSEMBLIES WERE ACCEPTED PRIOR TO THE COMPLETION OF A DOCUMENTATION REVIEW BY THE SITE QA DEPARTMENT. SUBSEQUENT TO ACCEPTANCE BY EBASCO MATERIALS CONTROL, DOCUMENTATION FOR THE ASSEMBLIES WAS FOUND TO BE DEFICIENT BY SITE QA.
101376	102276		2	3	10 CFR 50, APP. B, CRITERION V, STATES IN PART: "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS...." CONTRARY TO THE ABOVE: VISUAL INSPECTION OF WELDING ON THE FUEL PIT LINERS WAS PERFORMED WITHOUT AN APPROVED Nooter Corp. INSPECTION PROCEDURE. INSPECTIONS BY Nooter employees had been performed in accordance with an EBASCO procedure which had not been reviewed and approved for use by Nooter Corp.

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101376	102276		2	2	10 CFR 50, APP. B, CRITERION V, STATES IN PART: "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS..." CONTRARY TO THE REQUIREMENTS STATED ABOVE: STORAGE OF CONTAINMENT STRUCTURAL PLATES AND ASSEMBLIES WAS NOT IN ACCORDANCE WITH THE PROVISIONS OF CB&I PROCEDURE SHP-71-2426-4B IN THAT FORMED PLATES WERE NOT PROTECTED FROM DAMAGE AND THE INTEGRITY OF PROTECTIVE COATING WAS NOT MAINTAINED. THE ACTIVITIES STATED WERE OBSERVED BY THE INSPECTOR DURING A TOUR OF THE STORAGE YARD ON OCTOBER 20, 1976.
121476	121676		2	2	76-11/I.A.2. CERTIFICATION OF QC INSPECTOR REQUIRE THAT ACTIVITIES AFFECTING QUALITY SHALL BE PERFORMED IN ACCORDANCE WITH APPROVAL PROCEDURES. EBAS CO PROCEDURE ASP-I-3, WHICH IMPLEMENTS CRITERION V FOR INDOCTRINATION AND TRAINING, STATES IN PART, "EACH PERSON WHO VERIFIES CONFORMANCE OF WORK ACTIVITIES TO QUALITY REQUIREMENTS SHALL BE CERTIFIED AS BEING QUALIFIED TO PERFORM HIS ASSIGNED WORK." CONTRARY TO THE REQUIREMENTS STATED ABOVE: AN EBAS CO EMPLOYEE WHO WAS ASSIGNED AS BATCH PLANT QC CIVIL INSPECTOR ON OCT. 14, 1976, WAS NOT CERTIFIED AS BEING QUALIFIED TO PERFORM HIS ASSIGNED WORK.
042677	052777		2	2	10 CFR PART 50, APPENDIX B, CRITERION V, STATES THAT, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS." QA CORPORATION PROCEDURE 1.361, SECT. 6.2.2, STATES THAT, "THE GROUND HOPPER FOR THE BACKUP PLANT IS TO BE EMPTY EXCEPT WHILE IN USE." CONTRARY TO ABOVE: THE GROUND HOPPER OF THE BACKUP PLANT WAS OBSERVED NOT TO BE EMPTY ON APRIL 26, 1977. IT CONTAINED AGGREGATE WHICH HAD TO BE UNLOADED BEFORE CONCRETE PRODUCTION BY BACKUP PLANT COULD BE INITIATED FOLLOWING A MALFUNCTION WHICH CAUSED THE MAIN PLANT TO BE SHUT DOWN DURING PRODUCTION OF CONCRETE FOR PLACEMENTS 556S01-11 AND 593S02-10. THIS IS AN INFRACTION.

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FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
083077	090277		2	2	<p>FAILURE TO PROVIDE ADEQUATE TAGGING OF NONCONFORMING ITEM 10 CFR PART 50, APPENDIX B, CRITERION V REQUIRES THAT "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS." EBASCO PROCEDURE ASP 111-14, PARAGRAPH 6.2.5.6.2, REQUIRES THAT STATUS IDENTIFYING TAGS SHALL BE SECURELY AFFIXED TO ITEMS. CONTRARY TO THE ABOVE: ON AUGUST 31, 1977, AN EBASCO QC HOLD TAG WAS OBSERVED TO BE DETACHED FROM A SECTION OF NONCONFORMING CONTAINMENT SPRAY PIPING TO WHICH IT PREVIOUSLY HAD BEEN AFFIXED. THIS IS AN INFRACTION.</p> <p>FAILURE TO FOLLOW PROCEDURES FOR THE CONTROL OF SPECIAL PROCESSES 10 CFR PART 50, APPENDIX B, CRITERION IX REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE SPECIAL PROCESSES INCLUDING WELDING ARE CONTROLLED. THE LP&L QA MANUAL, REQUIREMENT QR 9.0, PARAGRAPHS 9.1 AND 9.2, REQUIRES THAT SUPPLIERS PERFORM SPECIAL PROCESSES IN ACCORDANCE WITH WRITTEN PROCESS CONTROL PROCEDURES SPECIFYING PROCESSING DETAILS AND INSPECTION AND TEST REQUIREMENTS. CONTRARY TO THE ABOVE: ON SEPTEMBER 1, 1977, THE THREE FOLLOWING EXAMPLES OF FAILURE TO CONTROL SPECIAL PROCESSES WERE IDENTIFIED BY THE INSPECTOR.</p> <p>A. ACCEPTED WELDS OF SEISMIC SUPPORT C-245 WERE NOT AS PRESCRIBED BY THE DRAWING AS REQUIRED BY QCI-101W3. B. ACCEPT WELDS OF SEISMIC SUPPORT C-245 WERE UNDERCUT BY EXCESSIVE GRINDING PER QCI-101W3. C. WELD ROD CONTROL WAS NOT AS PRESCRIBED BY CP-206. THIS IS AN INFRACTION WITH MULTIPLE EXAMPLES.</p> <p>FAILURE TO PROVIDE ADEQUATE PROCEDURES FOR THE CONTROL OF SPECIAL PROCESSES 10 CFR PART 50, APPENDIX B, CRITERION IX REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE SPECIAL PROCESSES INCLUDING WELDING ARE CONTROLLED AND ACCOMPLISHED IN ACCORDANCE CODES. THE LP&L QA MANUAL, REQUIREMENT QR 9.0, PARAGRAPHS 9.1 AND 9.2, REQUIRES THAT SUPPLIERS PERFORM SPECIAL PROCESSES IN ACCORDANCE WITH APPLICABLE CODES AND USE WRITTEN PROCESS CONTROL PROCEDURES SPECIFYING CONDITIONS TO BE MAINTAINED DURING THE STEPS OF THE PROCESS. CONTRARY TO THE ABOVE THE WELDING PROCEDURES SPECIFICATIONS CONTAINED IN CONSTRUCTION PROCEDURE CP-203, "WELDING CARBON STEEL STRUCTURES," AS EXHIBITS - F&M AWS-1, 2 AND 3 AND IN USE BY THE FISCHBACH AND MOORE WELDERS ON AUGUST 31, 1977, TO CONTROL WELDING CONDITIONS FOR</p>

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
083077	090277	↓	2	2	SEISMIC SUPPORT STRUCTURES DID NOT PRESCRIBE PREHEAT REQUIREMENTS AS ESTABLISHED BY THE AWS STRUCTURAL WELDING CODE, D1.1, 1975 EDITION. THIS IS AN INFRACTION.
022283	030483	025555B	1	-	-
061775	062075	099009B	2	-	-
080475	080675	099009B	1	-	-
092375	092575	099009B	1	-	-
071879	072679	099014B	1	-	-
091979	092179	099014B	1	-	-
092479	092579	099014B	1	-	-
022780	050280	099014B	1	-	-
040280	050280	099014B	2	2	FAILURE TO VERIFY CONFORMANCE WITH DOCUMENTED DRAWINGS: CRITERION X OF 10 CFR 50, REQUIRES THAT A PROGRAM BE EXECUTED TO VERIFY CONFORMANCE WITH DOCUMENTED INSTRUCTIONS, PROCEDURES AND DRAWINGS. CRITERION VII REQUIRES CONTROL OVER PURCHASED MATERIALS TO INCLUDE OBJECTIVE EVIDENCE OF QUALITY FURNISHED BY THE CONTRACTOR, INSPECTION AT THE MATERIAL SOURCE, AND EXAMINATION OF MATERIALS UPON DELIVERY. INSTRUCTIONS, AS SHOWN ON IEW DRAWING NO. 2662Q-114, REV 2, SPECIFIED THAT ALL WELDS WERE TO BE PRODUCED IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) REQUIREMENTS AND INSPECTED TO ASME BOILER & PRESSURE VESSEL CODE, SECTION NF REQUIREMENTS. CONTRARY TO THE ABOVE: EIGHT COLD-LEG SUPPORT COMPONENTS ("D" STOPS) FOR THE REACTOR COOLANT PIPING WERE FURNISHED BY INDUSTRIAL ENGINEERING WORKS (IEW) WITH WELD DEFECTS PROHIBITED BY THE NOTED DRAWING AND SPECIFICATIONS. THESE SUPPORTS HAD BEEN ACCEPTED BY IEW SOURCE INSPECTION AND BY SITE RECEIVING INSPECTION WITHOUT IDENTIFICATION OF THE OBSERVED DEFECTS. THESE DEFECTS WERE INCOMPLETE WELDS, MISSING WELDS AND MISORIENTED PIECES WHICH SHOULD HAVE BEEN SUFFICIENT FOR REJECTION AT BOTH SOURCE AND RECEIVING INSPECTIONS.
073180	112180	099014B	1	-	-

? Connected

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120280	121080	099014B	1	-	-
032481	032781	099014B	1	-	-
081381	102281	099014B	1	-	-
032982	051682	099014B	2	4	<p>BASED ON THE RESULTS OF AN NRC INVESTIGATION CONDUCTED DURING THE PERIOD OF MAR 29 THRU MAY 16, 1982, AND IN ACCORDANCE WITH THE NRC ENFORCEMENT POLICY (10 CFR PART 2, APP C) 47 FR 9987, DTD MAR 9, 1982, THE FOLLOWING VIOLATION WAS IDENTIFIED: 10 CFR PART 50, APP B, CRITERION V, STATES IN PART: ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. ADMINISTRATIVE PROCEDURE MI-1-007, REV 0, PARAGRAPH 5.4, METROLOGY LAB QUALIFICATION, REQUIRES SPECIFIC QUALIFICATION ACTIVITIES TO BE COMPLETED, INCLUDING A FINAL SIGNATURE ON A QUALIFICATION CARD BY THE METROLOGY SUPERVISOR-NUCLEAR, IN ORDER FOR AN INDIVIDUAL TO BE QUALIFIED TO PERFORM CALIBRATION ACTIVITIES IN THE METROLOGY LAB. CONTRARY TO THE ABOVE, AN INDIVIDUAL IN THE LOUISIANA POWER & LIGHT COMPANY METROLOGY LAB PERFORMED EQUIPMENT CALIBRATION WITHOUT BEING QUALIFIED OVER A PERIOD OF ABOUT 18 MONTHS FROM APPROXIMATELY OCT 1980 THRU APR 1982.</p>
031682	041582	099014B	2	-	-
041682	051582	099014B	1	-	-
020183	022883	099014B	1	-	-
070183	083183	099014B	1	-	-
090183	093083	099014B	1	-	-
020183	022883	099020B	1	-	-
070183	083183	099020B	1	-	-
090183	093083	099020B	1	-	-

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070180	063081	099021B	1	-	-
082482	102082	099021B	1	-	-
092475	092475	180210B	1	-	-
020183	022883	194010B	1	-	-
012980	020180	225528B	1	-	-
102780	102780	230051B	1	-	-
101981	102281	230702B	1	-	-
031682	041582	230702B	2	-	-
110182	113082	230702B	1	-	-
051176	052176	230703B	4	-	-
092176	092476	230703B	2	-	-
101376	102276	230703B	2	-	-
120176	120376	230703B	1	-	-
121476	121676	230703B	2	-	-
011177	011277	230703B	1	-	-
020177	020477	230703B	1	-	-
030277	030477	230703B	1	-	-
033077	033177	230703B	1	-	-
042677	052777	230703B	2	-	-
060877	062377	230703B	1	-	-
080277	080577	230703B	1	-	-
083077	090277	230703B	2	-	-
092777	093077	230703B	2	-	-
101177	101477	230703B	1	-	-

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102577	102877	230703B	2	-	-
110877	111177	230703B	1	-	-
120677	120977	230703B	1	-	-
121977	122277	230703B	2	-	-
010978	011278	230703B	1	-	-
021478	022478	230703B	2	-	-
031478	031778	230703B	1	-	-
032078	032278	230703B	1	-	-
040478	040778	230703B	2	-	-
051578	051978	230703B	1	-	-
061278	062378	230703B	1	-	-
071178	071478	230703B	2	-	-
072578	072878	230703B	1	-	-
080778	081178	230703B	1	-	-
090578	090878	230703B	2	-	-
091978	092278	230703B	2	-	-
101678	102778	230703B	1	-	-
111478	111778	230703B	2	-	-
112878	120178	230703B	1	-	-
121178	121478	230703B	1	-	-
010979	011279	230703B	1	-	-
012379	012679	230703B	2	-	-
022679	030979	230703B	2	-	-

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032079	032379	230703B	2	-	-
043079	050379	230703B	1	-	-
052979	060179	230703B	1	-	-
061979	062279	230703B	1	-	-
071079	071379	230703B	1	-	-
081579	082479	230703B	1	-	-
091779	092579	230703B	1	-	-
092679	092879	230703B	1	-	-
092479	092579	230703B	1	-	-
103079	110279	230703B	1	-	-
112779	113079	230703B	1	-	-
012980	020180	230703B	1	-	-
022580	022880	230703B	2	-	-
031180	031480	230703B	1	-	-
031880	032180	230703B	2	-	-
040780	041080	230703B	1	-	-
042180	042580	230703B	4	-	-
060280	060580	230703B	2	-	-
061080	061380	230703B	1	-	-
061880	062780	230703B	1	-	-
070780	071180	230703B	1	-	-
072280	072580	230703B	1	-	-
072880	073180	230703B	1	-	-
081180	081580	230703B	2	-	-

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081980	082280	230703B	1	-	-
090280	090580	230703B	1	-	-
091680	101080	230703B	2	-	-
092380	092680	230703B	1	-	-
102180	102480	230703B	1	-	-
111780	112080	230703B	1	-	-
120280	121080	230703B	1	-	-
121680	121980	230703B	1	-	-
011281	011581	230703B	1	-	-
020281	020581	230703B	1	-	-
022481	030681	230703B	3	-	-
032481	032781	230703B	1	-	-
040781	041681	230703B	1	-	-
041381	041681	230703B	1	-	-
042781	050181	230703B	1	-	-
051881	052281	230703B	1	-	-
052881	052981	230703B	1	-	-
070681	071081	230703B	2	-	-
080481	080781	230703B	1	-	-
081081	081481	230703B	1	-	-
082581	082781	230703B	1	-	-
091481	091781	230703B	1	-	-
110281	110681	230703B	2	-	-

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120781	121181	230703B	1	-	-
010482	010782	230703B	1	-	-
030182	030582	230703B	2	-	-
051082	051382	230703B	4	-	-
040582	040882	230703B	2	-	-
071282	073082	230703B	1	-	-
081682	082082	230703B	2	-	-
080982	081382	230703B	1	-	-
082482	102082	230703B	1	-	-
092082	092482	230703B	1	-	-
121382	121682	230703B	1	-	-
011083	012883	230703B	1	-	-
010383	020483	230703B	1	-	-
011783	012183	230703B	1	-	-
020783	021183	230703B	2	-	-
022883	031183	230703B	2	-	-
032883	033183	230703B	1	-	-
041883	042183	230703B	2	-	-
062783	070183	230703B	1	-	-
103183	110383	230703B	1	-	-
010978	011278	235200B	1	-	-
101678	102778	235200B	1	-	-
022883	031183	237051B	2	5	-

FAILURE TO FOLLOW PROCEDURES AND PROVIDE SUFFICIENT DESIGN DETAIL FOR ATTACHMENT OF ADDITIONAL LOADS TO SEISMIC SUPPORTS FOR HVAC: CRITERION V OF

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022883	031183	237051B	2	5	<p>10 CFR 50, APP B, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPROPRIATE INSTRUCTIONS, PROCEDURES, AND DRAWINGS, AND THAT THESE INSTRUCTIONS, PROCEDURES AND DRAWINGS CONTAIN APPROPRIATE QUANTITATIVE ACCEPTANCE CRITERIA. EBASCO SERVICES, INC. (EBASCO) PROCEDURE ASP-IV-58, ISSUE D, "ATTACHMENT TO SEISMIC SUPPORTS," REQUIRES THE FOLLOWING: A. PARAGRAPH 6.3 - THE CONTRACTOR IS TO SUBMIT A FORM ASP-IV-58-1 AND HAVE IT APPROVED BY THE EBASCO CONSTRUCTION ENGINEER PRIOR TO INSTALLATION OF ATTACHMENT. B. PARAGRAPH 6.4 - THE EBASCO CONSTRUCTION ENGINEER IS TO MAINTAIN A LOG/FILE OF ALL ADDITIONAL LOADS INCLUDING REQUEST, SKETCHES, AND BACKUP CALCULATIONS. GOOD ENGINEERING AND DESIGN PRACTICES WOULD REQUIRE THAT ADDITIONAL ATTACHMENTS TO A SUPPORT, BY DESIGN, WOULD BE PROPERLY DETAILED, NOTED, OR REFERENCED ON THE LEAD DOCUMENT. CONTRARY TO THE ABOVE: A. HVAC SUPPORT F-807 HAD A 1-INCH FIRE PROTECTION LINE ATTACHED TO IT THAT WAS NOT SHOWN ON SUPPORT DETAIL SMH-908 AND THIS ADDITIONAL 50-POUND LOAD WAS NOT SHOWN ON THE SEISMIC SUPPORT ALLOWABLE CHART, AND THERE WAS NO ASP-IV-58-1 FORM. B. HVAC SUPPORT F-821 HAD TWO 6-INCH CHILLED WATER PIPES AND THE ASSOCIATED SUPPORT, AC-H-609, ATTACHED THAT WERE NOT SHOWN ON SUPPORT DETAIL SMH-908. THE CALCULATION SHEET FOR F-821, DATED NOV. 18, 1981, USED TO DETERMINE THE ALLOWABLE LOAD CAPACITY FOR ASP-IV-58, DID NOT INCLUDE THESE LOADS BECAUSE THEY WERE NOT SHOWN ON THE SUPPORT DETAIL FOR F-821. C. HVAC SUPPORT F-800 HAD TWO 4-INCH CHILLED WATER PIPES AND TWO ASSOCIATED SUPPORTS, AC-H-608 AND AC-H-611, ATTACHED TO IT THAT WERE NOT SHOWN ON SUPPORT DETAIL SMH-986. THE CALCULATION SHEET FOR F-800, DATED NOV 18, 1981, USED TO DETERMINE THE ALLOWABLE LOAD CAPACITY FOR ASP-IV-58, DID NOT INCLUDE THESE LOADS BECAUSE THEY WERE NOT SHOWN ON THE SUPPORT DETAIL FOR F-800.</p> <p>FAILURE TO PROVIDE APPROPRIATE CRITERIA FOR INSTALLATION CLEARANCE PROBLEMS: CRITERION V OF 10 CFR 50, APP B, REQUIRES THAT PROCEDURES, INSTRUCTIONS, AND DRAWINGS INCLUDE APPROPRIATE QUANTITATIVE OR QUALITATIVE ACCEPTANCE CRITERIA FOR DETERMINING THAT IMPORTANT ACTIVITIES HAVE BEEN SATISFACTORILY ACCOMPLISHED. LOUISIANA POWER AND LIGHT COMPANY QUALITY ASSURANCE MANUAL, SECT 5.2, REQUIRES</p>

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022883	031183	237051B	2	5	<p>THAT INSTRUCTIONS, PROCEDURES AND DRAWINGS INCLUDE APPROPRIATE QUANTITATIVE AND QUALITATIVE ACCEPTANCE CRITERIA TO VERIFY THAT SAFETY-RELATED ACTIVITIES HAVE BEEN SATISFACTORILY ACCOMPLISHED. CONTRARY TO THE ABOVE: LOUISIANA POWER AND LIGHT COMPANY AND CONTRACTOR INSPECTION PROCEDURES AND WALK DOWN PROCEDURES DO NOT CONTAIN ACCEPTANCE CRITERIA FOR PERSONNEL PERFORMING THESE TASKS TO DETERMINE IF THERE IS SUFFICIENT CLEARANCE BETWEEN PIPES, SUPPORTS, STRUCTURES, TUBING AND RACEWAY TO ALLOW FOR VIBRATION, THERMAL EXPANSION, SEISMIC EVENT, ETC. THESE INSTRUCTIONS DO NOT CONTAIN MINIMUM CLEARANCE CRITERIA, AND, IN SOME CASES, DO NOT EVEN HAVE A REQUIREMENT TO DOCUMENT SATISFACTORY/UNSATISFACTORY CLEARANCE/INTERFERENCE STATUS, OR A MECHANISM OR TRIGGER FOR INFORMING ENGINEERING FOR FURTHER EVALUATION. THE NRC INSPECTORS NOTICED NUMEROUS CASES OF PIPE-TO-PIPE, PIPE-TO-SUPPORT, PIPE-TO-RACEWAY WITH ZERO-CLEARANCE THROUGHOUT THE POWER BLOCK AREAS.</p>
032883	033183	237055B	1	-	-
041883	042183	237055B	2	5	<p>FAILURE TO ESTABLISH ADEQUATE DOCUMENT CONTROL MEASURES: 10 CFR 50, APP B, CRITERION VI REQUIRES THAT MEASURE BE ESTABLISHED TO CONTROL THE ISSUANCE OF DOCUMENTS. ANSI H45.2, PARA 7, "DOCUMENT CONTROL" REQUIRES THAT PROCEDURES BE ESTABLISHED FOR THE CONTROL OF DOCUMENTS AND CHANGES THERETO TO PRECLUDE THE POSSIBILITY OF USE OF OUTDATED OR INAPPROPRIATE DOCUMENTS. CONTRARY TO THE ABOVE, THE LICENSEE'S DOCUMENT CONTROL MEASURES DID NOT PREVENT THE ISSUANCE OF "CERTIFIED AS-BUILT" PRINTS (CE REACTOR TRIP SWITCHGEAR CONTROL WIRING PRINTS 1564-3905 THRU 1564-3919 (R3)) THAT FAILED TO INCLUDE FCR-IC-63. (50-382/8317-)</p> <p>FAILURE TO FOLLOW DOCUMENT CONTROL PROCEDURES: 10 CFR 50, APP B, CRITERION V, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPROVED PROCEDURES. A. EBASCO PROC ASP-III-2, "SITE DOCUMENT CONTROL" PARA 6.4.2.4 REQUIRES HOLDERS OF UNCONTROLLED DOCUMENTS TO CLEARLY MARK EACH DOCUMENT AS "VOID" OR "INFO ONLY" OR TO DESTROY THE DOCUMENT. CONTRARY TO THE ABOVE, REV 6 (THAT HAD BEEN SUPERSEDED BY REV 7) OF PRINT 1564-G-868 WAS FOUND IN THE PRINT FILE OF STATION 10 CONSTRUCTION ENGINEERING-MECH, NOT PROPERLY MARKED "VOID" OR "INFO ONLY"</p>

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041883	042183	237055B	2	5	Y." B. ASP-III-2, "SITE DOCUMNT CONTROL" PARA 6.4 .2.1 REQRS THE VERIFCTN OF TRNSMTTED DOCUMNTS AGA INST THE TRANSMITTL DOCUMNTS FOR DOCUMNT CONTRL. CONTRY TO THE ABVE, THREE INSTR MANULS IN CUSTODY OF DOCUMNT CONTRL, KVS-16.2 FOR THE EMERGENCY DI ESEL GENERATORS WERE NOT UPDTD WITH DCN-E-1037 AS REQRD. THE DESGN CHANGE NOTICE, PG 1 INDICTD THA T THE CHANGE APPLIED TO A "PRINT" C. ASP-II-2, "S ITE DOCUMENT CONTRL" PARA 6.4.1 REQRS THAT HLDRS OF DOCUMNTS DISTRBTD BY DOCUMNT CONTRL ARE RESPNS BLE FOR PROPER RECPT, CONTRL, & PROTCTN OF THE DO CS. CONTRY TO THE ABVE: (1) EBASCO SPEC 2564.482 (R6) A CONTRLD DOC ASSGND TO THE CONSTR ENGR-MECH COULD NOT BE OBTND FRM THE FILES. (2) INSTR MANU AL KVS-16.2, "EMERGENCY DIESEL GENERATORS" WAS NO T IN CUSTDY OF THE EBASCO OFFICE ENGR AS INDICTD ON THE DOC CONTRL CARD. (50-382/8317-06)
030277	030477	242051B	1	-	-
102975	103175	245051B	1	-	-
102975	103175	245053B	1	-	-
102975	103175	245055B	1	-	-
102975	103175	246051B	1	-	-
120275	120575	246051B	2	-	-
102975	103175	246053B	1	-	-
120275	120575	246053B	2	-	-
020376	020676	246053B	1	-	-
101376	102276	246053B	2	-	-
033077	033177	246053B	1	-	-
092777	093077	246053B	2	-	-
102577	102877	246053B	2	2	10 CFR PART 50, APPENDIX B, CRITERION V REQUIRES T HAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS O F A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND THAT THESE ACTIVITIES BE ACCOMPLISHED IN ACCORDANCE WI

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102577	102877	246053B	2	2	TH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. THE J. A. JONES QA PROGRAM, AS IMPLEMENTED BY PROCEDURE NO. POP-N-702, REVISION 3, OCTOBER 5, 1976, PARAGRAPH 5.5, REQUIRES THAT QA PERSONNEL WHO VERIFY THAT WORK ACTIVITIES CONFORM TO QUALITY REQUIREMENTS BE CERTIFIED BY THE J. A. JONES CORPORATION QA TRAINING OFFICE AND/OR THE PROJECT QA MANAGER AS BEING QUALIFIED TO PERFORM THEIR ASSIGNED TASKS. PROCEDURE POP-N-702 ALSO REQUIRES THAT THE PROJECT QA MANAGER ASSURES THE INITIAL AND CONTINUED PROFICIENCY OF QUALITY ASSURANCE PERSONNEL BY APPROPRIATE EDUCATION, TRAINING, EXPERIENCE, TESTING, EVALUATION AND REVIEW IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI N45.2.6. CONTRARY TO THE ABOVE, ON OCTOBER 27, 1977, A J. A. JONES TRAINEE QUALITY CONTROL INSPECTOR WAS OBSERVED TO BE PERFORMING FIELD INSPECTIONS IN BACKFILL AREA 4 AS PRESCRIBED BY J. A. JONES PROCEDURE NO. W-SITP-12, REVISION 6, OCTOBER 4, 1976, "BACKFILL AND COMPACTION INSPECTION." A REVIEW OF QA RECORDS INDICATED THAT THE SAME TRAINEE HAD COMPLETED THE DAILY BACKFILL INSPECTION REPORT AND THE SITE BACKFILL RELEASE AND LOCATION LOG ON THE PREVIOUS TWO DAYS. HIS EXPERIENCE AND TRAINING RECORDS, AS CONFIRMED BY THE J. A. JONES QA MANAGER, WERE NOT SUFFICIENT TO QUALIFY THE INSPECTOR FOR THESE ASSIGNED TASKS.
120677	120977	246053B	1	-	-
102975	103175	246055B	1	-	-
120275	120575	246055B	2	-	-
010776	010976	246055B	2	-	-
020376	020676	246055B	1	-	-
021076	031276	246055B	2	-	-
081076	081276	246055B	1	-	-
101376	102276	246055B	2	-	-
030277	030477	246055B	1	-	-
033077	033177	246055B	1	-	-

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102577	102877	246055B	2	-	-
120677	120977	246055B	1	-	-
021076	031276	247051B	2	-	-
051176	052176	247054B	4	-	-
101376	102276	247054B	2	-	-
102577	102877	247054B	2	-	-
040478	040778	247054B	2	-	-
061278	062378	247054B	1	-	-
061979	062279	247054B	1	-	-
071079	071379	247054B	1	-	-
081579	082479	247054B	1	-	-
091779	092579	247054B	1	-	-
051176	052176	247056B	4	-	-
121476	121676	247056B	2	-	-
033077	033177	247056B	1	-	-
102577	102877	247056B	2	-	-
040478	040778	247056B	2	-	-
061278	062378	247056B	1	-	-
061979	062279	247056B	1	-	-
071079	071379	247056B	1	-	-
081579	082479	247056B	1	-	-
091779	092579	247056B	1	-	-
020376	020676	248051B	1	-	-
021076	031276	248051B	2	-	-

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112779	113079	248051B	1	-	-
042180	042580	248051B	4	D	<p>USE OF QC INSPECTORS WHO DID NOT MEET ANSI N45.2.6 . EXPERIENCE QUALIFICATIONS TABLE 17.2.1 OF THE LP &L FSAR COMMITS TO REGULATORY GUIDE 1.58, "QUALIFICATION OF NUCLEAR POWER PLANT INSPECTION, EXAMINATION, AND TESTING PERSONNEL," AS GUIDANCE FOR QUALIFICATION REQUIREMENTS FOR QC PERSONNEL. THESE REQUIREMENTS INCLUDE WORK EXPERIENCE CRITERIA FOR CERTIFICATION TO EACH INSPECTION LEVEL. REGULATORY GUIDE 1.58 ENDORSED ANSI N45.2.6 WHICH ESTABLISHES WORK EXPERIENCE REQUIREMENTS OF FOUR YEARS FOR LEVEL II INSPECTORS AND ONE YEAR FOR LEVEL I INSPECTORS. CONTRARY TO THE ABOVE: 1. THE LICENSEE'S CONTRACTOR FOR INSTALLATION OF THE NUCLEAR STEAM SUPPLY SYSTEM UTILIZED INDIVIDUALS AS INSPECTORS WHO DID NOT POSSESS THE LEVEL OF EXPERIENCE DEFINED IN REGULATORY GUIDE 1.58 FOR THEIR CERTIFICATION LEVEL. A LEVEL II INSPECTOR ASSIGNED TO PERFORM BACK SHIFT INSPECTIONS FOR NISCO ONLY POSSESSED WORK EXPERIENCE OF ONE AND ONE-HALF YEARS AT TIME OF LEVEL II CERTIFICATION. 2. A NISCO QC "TECHNICIAN" WAS PERFORMING INSPECTIONS IN ACCORDANCE WITH INSPECTION PROCEDURES ES-67E, "GENERAL CLEANING AND HOUSEKEEPING," AND ES-148, "WELDER SURVEILLANCE." THE QC TECHNICIAN APPARENTLY HAD NO QUALIFYING WORK EXPERIENCE AT THE TIME OF PERFORMANCE OF INSPECTIONS NORMALLY PERFORMED BY LEVEL I AND LEVEL II INSPECTORS.</p>
042180	042580	248051B	4	2	<p>FAILURE TO FOLLOW PROCEDURES FOR THE DOCUMENTATION OF THE QUALITY ASSURANCE PROGRAM CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. THE "NISCO QA MANUAL - ASME SECTION III," SECTION 4.4.3 REQUIRES THAT A VENDOR PERFORMANCE RECORD FILE BE MAINTAINED IN THE NISCO HOME OFFICE, WITH COPIES OF THE RECORDS IN THIS FILE FORWARDED TO THE FIELD QA/QC MANAGER. SECTION 15.2.2.3 REQUIRES THAT THE ENTIRE QA PROGRAM BE AUDITED ON AN ANNUAL CYCLE TO VERIFY ITS IMPLEMENTATION. CONTRARY TO THE ABOVE: ON APRIL 23, 1980, DURING A REVIEW OF QUALITY RECORDS ASSOCIATED W</p>

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042180	042580	248051B	4	2	<p>ITH AUDITS, THE IE INSPECTOR DISCOVERED THAT COPIES OF THE RECORDS IN THE VENDOR PERFORMANCE RECORD FILES WERE NOT AVAILABLE AT THE SITE AS REQUIRED BY SECTION 4.4.3 FOR VENDOR AUDITS APPLICABLE TO THE JOB SITE. IN ADDITION, A REVIEW OF AUDITS 3015-1 THROUGH 3015-17 DETERMINED THAT THE ENTIRE QUALITY ASSURANCE PROGRAM HAD NOT BEEN REVIEWED DURING THE TWELVE MONTH PERIOD OF 1979 AS REQUIRED BY SECTION 15.2.2.3. THE NISCO QA/QC PERSONNEL AGREED THAT AN AUDIT OF THE ENTIRE PROGRAM COULD NOT BE DEMONSTRATED FOR 1979.</p> <p>FAILURE TO PERFORM REQUIRED INSPECTIONS AS PRESCRIBED IN CONTRACT INSPECTION PROCEDURES CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. THE "NISCO QA MANUAL - ASME, SECTION III," SECTION 5.6.5 REQUIRES THAT PERIODIC INSPECTIONS OF THE STORAGE AREAS BE CONDUCTED BY THE FIELD QA/QC MANAGER OR HIS DESIGNEE TO PRECLUDE DAMAGE TO SAFETY-RELATED MATERIALS OR COMPONENTS WHILE IN STORAGE. NISCO PROCEDURE ES-67-C E, "GENERAL CLEANING AND HOUSEKEEPING," REQUIRES A DAILY INSPECTION AND EXAMINATION OF THE STORAGE AREA FOR CONFORMANCE TO SPECIFICATION REQUIREMENTS.</p> <p>IN ADDITION, "CARE AND MAINTENANCE INSTRUCTION # 36" REQUIRES A MONTHLY INSPECTION OF THE GENERAL CONDITION OF THE FLOW BAFFLE ASSEMBLY AND THE REACTOR VESSEL CLOSURE HEAD LIFTING RIG, TWO COMPONENTS CURRENTLY IN THE NISCO STORAGE AREA AT THE TIME OF THIS INSPECTION. CONTRARY TO THE ABOVE: ON APRIL 23, 1980, THE IE INSPECTOR DETERMINED, FROM A REVIEW OF DAILY INSPECTION REPORTS AND FROM DISCUSSIONS WITH CONTRACTOR INSPECTION PERSONNEL, THAT THE DAILY INSPECTIONS HAVE NOT BEEN PERFORMED AS REQUIRED SINCE 1978. IN ADDITION, DURING OBSERVATION OF THE STORAGE CONDITIONS OF THE FLOW BAFFLE ASSEMBLY AND THE REACTOR VESSEL CLOSURE HEAD LIFTING RIG, IT WAS DETERMINED FROM THE LACK OF RECORDS AND FROM DISCUSSIONS WITH NISCO QA PERSONNEL THAT INSPECTIONS DEFINED BY "CARE AND MAINTENANCE INSTRUCTION #36" HAD NOT BEEN PERFORMED ON A MONTHLY BASIS AS REQUIRED FOR THIS EQUIPMENT SINCE EQUIPMENT RECEIPT BY NISCO IN FEBRUARY 1980.</p> <p>FAILURE TO FOLLOW CONTRACT PROCEDURES RELATIVE TO</p>

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042180	042580	248051B	4	2	<p>THE STORAGE OF SAFETY-RELATED EQUIPMENT CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. SECTION P.9 OF THE E BASCO CONTRACT SPECIFICATION FOR NISCO, CONTRACT NO. W3-NY-18, REQUIRES THAT THE CONTRACTOR ABIDE BY THE GUIDELINE PROVISION OF ANSI N45.2.2, "PACKAGING, SHIPPING, RECEIVING, STORAGE, AND HANDLING OF ITEMS FOR NUCLEAR POWER PLANTS." SECTION 6.1.1 REQUIRES THAT DURING CONSTRUCTION THE POSSIBILITY OF DAMAGE TO MATERIALS OR COMPONENTS OR THE LOWERING OF QUALITY DUE TO CORROSION, CONTAMINATION, OR DEGRADATION BE MINIMIZED. SECTION 6.1.2 REQUIRES THAT ITEMS SUCH AS PIPING BE STORED ON CRIBBING OR EQUIVALENT TO ALLOW FOR AIR CIRCULATION AND TO AVOID TRAPPING WATER, AND THAT STORAGE AREAS BE MARKED AND DESIGNATED FOR STORAGE. SECTION 6.3.3 REQUIRES THAT ALL MATERIALS BE IDENTIFIED, WITH PROPER PROTECTION FROM MOVEMENT OF EQUIPMENT. CONTRARY TO THE ABOVE: ON APRIL 23, 1980, DURING A TOUR OF THE NISCO STORAGE AREA, THE IE INSPECTOR OBSERVED THE FOLLOWING: 1. THE NISCO STORAGE AREA WAS NOT IDENTIFIED NOR ITS BOUNDARIES DEFINED AS A STORAGE AREA FOR SAFETY-RELATED COMPONENTS. 2. SURGE LINE RESTRAINTS (E8-E6-W1) WERE NOT PROPERLY STORED ON DUNNAGE; SOME OF THE DUNNAGE WAS STACKED ON TOP OF THE RESTRAINTS. 3. THE REACTOR VESSEL CLOSURE HEAD LIFTING RIG DID NOT HAVE IDENTIFICATION TAGS. 4. THE FLOW BAFFLE ASSEMBLY (NISCO RIR-211, P.O. 403402) WAS OUTSIDE OF ITS STORAGE CONTAINER WITHOUT PROPER PROTECTION FROM DAMAGE DUE TO MOVEMENT OF EQUIPMENT.</p>
081682	082082	248051B	2	-	-
020376	020676	248053B	1	-	-
021076	031276	248053B	2	-	-
081076	081276	248053B	1	-	-
030277	030477	248053B	1	-	-
042677	052777	248053B	2	-	-

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083077	090277	248053B	2	-	-
051578	051978	248053B	1	-	-
061278	062378	248053B	1	-	-
080778	081178	248053B	1	-	-
090578	090878	248053B	2	-	-
042180	042580	248053B	4	-	-
020376	020676	248055B	1	-	-
021076	031276	248055B	2	-	-
051578	051978	248055B	1	-	-
080778	081178	248055B	1	-	-
090578	090878	248055B	2	-	-
042180	042580	248055B	4	-	-
121382	121682	248055B	1	-	-
081682	082082	248061B	2	-	-
060877	062377	248063B	1	-	-
080277	080577	248063B	1	-	-
120677	120977	248063B	1	-	-
021478	022478	248063B	2	-	-
090578	090878	248063B	2	2	-

PERFORMING WELD REPAIR OF BASE METAL WITHOUT A PROCEDURE: CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED PROCEDURES AND ACCOMPLISHED IN ACCORDANCE WITH THESE PROCEDURES. CONTRARY TO THE ABOVE: ON SEPTEMBER 6, 1978, THREE WELDERS WERE OBSERVED PERFORMING WELD REPAIR OF BASE METAL FOR SAFETY RELATED SUPPORTS IN THE WALDINGER SITE HVAC FABRICATION SHOP. IT WAS DETERMINED BY THE IE INSPECTOR THAT THESE ACTIVITIES WERE BEING PERFORMED

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090578	090878	248063B	2	2	WITHOUT A PROCEDURE. THE WALDINGER SITE QA SUPERVISOR ISSUED A "STOP-WORK ORDER" FOLLOWING NOTIFICATION OF THE CONCERN. BEFORE THE END OF THE INSPECTION ON SEPTEMBER 8, 1978, WALDINGER AND THE ARCHITECT ENGINEER APPROVED PROCEDURE FWP 2.2-6, WHICH CONTROLS THE WELD REPAIR OF BASE METAL.
012379	012679	248063B	2	-	-
121382	121682	248063B	1	-	-
041883	042183	248063B	2	5	FAILURE TO PROVIDE REQUIRED SAFETY RELATED RECORDS IN ACCORDANCE WITH ESTABLISHED PROCEDURES: 19 CFR 50, APP B, CRITERION V STATES IN PART, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS." A. EBASCO SERVICES, INC., (EBASCO) SPEC 860-75, "QA REQUIREMENTS FOR SUPPLIERS OF SAFETY-RELATED EQUIP AND SERVICES" PARA 4.17, QA RECORDS, STATES IN PART, "SUFFICIENT RECORDS SHALL BE PREPARED AS WORK IS PERFORMED TO FURNISH DOCUMENTARY EVIDENCE OF THE QUALITY OF ITEMS AND OF ACTIVITIES AFFECTING QUALITY... THE RECORDS SHALL INCLUDE THE RESULTS OF REVIEWS, INSPECTIONS, TESTS, AUDITS, MONITORING OF WORK PERFORMANCE... REQUIRED RECORDS SHALL BE IDENTIFIABLE AND RETRIEVABLE..." AMERICAN BRIDGE PROCEDURE 23, REV B, OCT 4, 1979, "QA DOCUMENTATION TURNOVER" PARA 6.4.1 STATES IN PART, "IMPLEMENTATION OF THIS PROCEDURE SHALL BE INITIATED IN ADEQUATE TIME BEFORE COMPLETION OF SITE ACTIVITIES TO PERMIT EBASCO'S REVIEW & DETERMINATION OF ACCEPTABILITY OF RECORDS..." CONTRARY TO THE ABOVE, EBASCO FAILED TO PROVIDE COMPLETE QA RECORDS FROM AMERICAN BRIDGE. SPECIFICALLY, EBASCO FAILED TO PROVIDE ADEQUATE QA DOCUMENTATION FOR THE ERECTION OF STRUCTURAL STEEL FOR THE MISSISSIPPI VALVE OVER THE EAST & WEST MAIN STEAM ISOLATION VALVES. (50-382/8317-) B. ANSI 2.9-1974 PARA 3.2.1 STATES THAT QUALITY RECORDS SHALL BE LEGIBLE, COMPLETELY FILLED OUT & ADEQUATELY IDENTIFIABLE TO THE ITEM INVOLVED. ASP-IV-19, "CARE AND MAINTENANCE OF PERMANENT PLANT SYSTEMS" REV L, FEB 17, 1983 PARA 6.4.3 STATES IN PART THAT RECORD CARDS SHALL HAVE AS A MAINTENANCE ID NO. THE CMI NO. TO WHICH THE ITEM DESCRIBED REFERS. FOR CMIS WITH MORE THAN ONE ITEM, AN ALPHABETIC SUFFIX SHALL BE ADDED WHEN DEEMED NECESSARY BY THE EQUIP MAINTENANCE

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041883	042183	248063B	2	5	SUPERV FOR EASE OF MAINTNCE DOCMNTN. CONTR TO THE ABOVE, MAINTNCE & STORG RECRDS WERE NOT IDENTFBL E FOR THE CORE SHROUD ASSEMBLY, CORE SUPPRT BARRL & GUIDE TUBE ASSEMBLIES. (50-382/8317-)
081682	082082	248064B	2	-	-
121382	121682	248064B	1	-	-
120677	120977	248065B	1	-	-
021478	022478	248065B	2	3	FAILURE TO MAINTAIN INSPECTION DOCUMENTATION FOR STRUCTURAL STEEL: 10 CFR 50, APPENDIX B, CRITERION XVII REQUIRES THAT RECORDS BE MAINTAINED TO FURNISH EVIDENCE OF ACTIVITIES AFFECTING QUALITY. THE AMERICAN BRIDGE DIVISION PROCEDURE NO. 10, PARAGRAPH 6.3.2, REQUIRES THAT INSPECTION PERSONNEL TEST 10% OF THE BOLTS IN EACH JOINT BUT NOT LESS THAN TWO BOLTS IN ANY ONE JOINT, AND THAT THE RESULTS OF THE INSPECTION SHALL BE RECORDED ON FORM FQAP 10-2. CONTRARY TO THE ABOVE: INSPECTION OF A SAMPLE OF TORQUE TESTING RECORDS OF STRUCTURAL STEEL JOINTS REVEALED THAT RECORDS WERE INCOMPLETE FOR TWO JOINTS IN THE STRUCTURE IN THE COOLING TOWER AREA. THE AFFECTED JOINTS WERE AT ELEVATION - 16.5 FEET AND +2 FEET, AND WERE COMPLETED ABOUT SEPTEMBER 14, 1977, AND AUGUST 5, 1977, RESPECTIVELY. AS A RESULT OF THIS INSPECTION FINDING, THE SPECIFIC JOINTS HAVE BEEN SUBSEQUENTLY TORQUE TESTED AND THE RESULTS PROPERLY RECORDED.
090578	090878	248065B	2	-	-
012379	012679	248065B	2	-	-
121382	121682	248065B	1	-	-
081682	082082	248066B	2	5	10CFRPART50, APPB, CRITERION V, STATES IN PART: ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. CONTRARY TO THE ABOVE, AN UNSPECIFIED WELD HAD BEEN USED TO ATTACH A PLATE TO A DIAGONAL HORIZONTAL ANGLE BRACE AT ELEVATION 53' LOCATION 9' 9" NORTH AND 6' 9" WEST AT COLUMN L-10 AZ INSTEAD OF ATTACHING THE PL

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
081682	082082	248066B	2	5	ATE WITH BOLTING AS SPECIFIED BY EBASCO G-842D.
121382	121682	248066B	1	-	-
072578	072878	249051B	1	-	-
091978	092278	249051B	2	-	-
030182	030582	249051B	2	-	-
103079	110279	249053B	1	-	-
051082	051382	249055B	4	-	-
051082	051382	249056B	4	-	-
060877	062377	249061B	1	-	-
080277	080577	249061B	1	-	-
083077	090277	249061B	2	-	-
092777	093077	249061B	2	2	<p>FAILURE TO PROVIDE APPROPRIATE DOCUMENTED PROCEDURE FOR CONTROL OF HANGER INSTALLATION ACTIVITIES: 10CFR PART 50, APPENDIX B, CRITERION V, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES. CONTRACT W3-NY-11 FOR ERECTION OF PLANT PROCESS PIPING AND PERFORMANCE OF RELATED WORK IN "SPECIAL CONDITIONS" REQUIRES THAT PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER A DETAILED PIPE SUPPORT ERECTION PROCEDURE TO INCLUDE PROVISIONS FOR INSPECTION OF FITUP AND NONDESTRUCTIVE EXAMINATION OF WELDS. CONTRARY TO THE ABOVE, FORTY-SEVEN (47) CONTAINMENT SPRAY HANGERS WERE INSTALLED BY TOMPKINS-BECKWITH IN ACCORDANCE WITH PROCEDURE TBP-24, "HANGER INSTALLATION PROCEDURE," WHICH DID NOT CONTAIN PROVISIONS FOR INSPECTION OF FITUP AND NONDESTRUCTIVE EXAMINATION OF WELDS. PROCEDURE TBP-24 WAS SUPPLEMENTED FOR THE HANGER INSTALLATION WITH UNDOCUMENTED ORAL INSTRUCTIONS PRESCRIBING THE REQUIRED INSPECTION ACTIVITIES.</p>
101177	101477	249061B	1	-	-

? Correction

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110877	111177	249063B	1	-	-
120677	120977	249063B	1	-	-
121977	122277	249063B	2	2	FAILURE TO PROVIDE APPROVED SKETCHES FOR INSTALLATION OF SAFETY RELATED PIPING. 10 CFR PART 50, APPENDIX B, CRITERION VI REQUIRES THAT DOCUMENTS BE REVIEWED FOR ADEQUACY AND APPROVED FOR RELEASE BY AUTHORIZED PERSONNEL. THE LP&L QA MANUAL, REQUIREMENT QR6.0, REQUIRES THAT MAJOR CONTRACTORS HAVE PROGRAMS THAT ASSURE CONTROLLED DOCUMENTS ARE REVIEWED FOR ADEQUACY AND APPROVED FOR RELEASE BY AUTHORIZED PERSONNEL. CONTRARY TO THE ABOVE, DRAVO SKETCH E-2083 IC-71 ISSUED TO TOMPKINS-BECKWITH BY EB ASCO DOCUMENT CONTROL FOR USE DURING INSTALLATION OF SAFETY RELATED PIPING WAS NOT SIGNED IN THE "APPROVED" BLOCK BY DRAVO.
010978	011278	249063B	1	-	-
040478	040778	249063B	2	-	-
061278	062378	249063B	1	-	-
111478	111778	249063B	2	-	-
030182	030582	249063B	2	-	-
040582	040882	249063B	2	-	-
110877	111177	249065B	1	-	-
120677	120977	249065B	1	-	-
121977	122277	249065B	2	-	-
010978	011278	249065B	1	-	-
031478	031778	249065B	1	-	-
040478	040778	249065B	2	-	-
061278	062378	249065B	1	-	-
080778	081178	249065B	1	-	-
030182	030582	249065B	2	-	-

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040582	040882	249065B	2	-	-
081076	081276	250051B	1	-	-
111478	111778	250051B	2	-	-
112878	120178	250051B	1	-	-
121178	121478	250051B	1	-	-
010979	011279	250051B	1	-	-
081076	081276	250053B	1	-	-
092176	092476	250053B	2	-	-
111478	111778	250053B	2	-	-
112878	120178	250053B	1	-	-
121178	121478	250053B	1	-	-
010979	011279	250053B	1	-	-
030182	030582	250053B	2	-	-
010979	011279	250055B	1	-	-
030182	030582	250063B	2	4	FAILURE TO FOLLOW PROCEDURES FOR PROTECTION OF AND ACCESS TO REACTOR VESSEL, REACTOR VESSEL HEAD, AND UPPER AND LOWER INTERNALS. FAILURE TO PROVIDE PROMPT AND APPROPRIATE CORRECTIVE ACTION TO NEGATIVE INSPECTION FINDINGS REGARDING REACTOR VESSEL CLEANLINESS.
051082	051382	250063B	4	4	REPETITIVE FAILURE TO PROVIDE PROMPT AND APPROPRIATE CORRECTIVE ACTION TO NEGATIVE INSPECTION FINDINGS REGARDING REACTOR VESSEL HEAD CLEANLINESS: CRITERION XVI OF 10CFR50, APP B STATES, "...MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED." CONTRARY TO THE ABOVE, A REVIEW OF NISCO INSPECTION REPTS SHOW FAILURE TO PROMPTLY CORRECT CONDITIONS ADVERSE TO QUALITY. ALL HOUSEKEEPING REPTS BY NISCO QC FOR APR 1-29, 1982, SHOW UNACCEPTABLE CLEANLINESS AND PROTECTIVE COVERING FOR

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051082	051382	250063B	4	4	THE REACTOR VESSEL HEAD. THESE REPTS (NISCO HOUSEKEEPING INSPECTION REPT FORM FS-68) SHOW REPEATED REJECTED CLEANLINESS. THIS CONDITION IS THE SAME AS REPORTED IN A VIOLATION ASSOCIATED WITH NRC INSPECTION REPT 82-05 CONDUCTED MAR 1-5, 1982. THESE CONDITIONS WERE NOT ACTED UPON AND THE SAME CONDITION APPEARED WHEN THE NRC INSPECTORS TOURED ON MAY 10, 1982. THIS IS A SEVERITY LEVEL IV VIOLATION.
032883	033183	250065B	1	-	-
010776	010976	250071B	2	-	-
120176	120376	250071B	1	-	-
020177	020477	250071B	1	-	-
030277	030477	250071B	1	-	-
042677	052777	250071B	2	-	-
060877	062377	250071B	1	-	-
080277	080577	250071B	1	-	-
101177	101477	250071B	1	-	-
102577	102877	250071B	2	-	-
121178	121478	250071B	1	-	-
012980	020180	250071B	1	-	-
051082	051382	250071B	4	-	-
010776	010976	250073B	2	-	-
081076	081276	250073B	1	-	-
092176	092476	250073B	2	-	-
121977	122277	250073B	2	-	-
010978	011278	250073B	1	-	-
091978	092278	250073B	2	-	-

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121178	121478	250073B	1	-	-
012980	020180	250073B	1	-	-
051083	012883	250073B	1	-	-
032079	032379	250074B	2	2	FAILURE TO FOLLOW CONTRACT PROCEDURES RELATED TO CARE AND MAINTENANCE OF SAFETY RELATED COMPONENTS : CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH PRESCRIBED INSTRUCTIONS, PROCEDURES, AND DRAWINGS. EBASCO PROCEDURE CMI #1, "CARE AND MAINTENANCE INSTRUCTIONS FOR THE CVCS CHARGING PUMPS" PER PARAGRAPH D.1 REQUIRES THAT THE CHARGING PUMPS BE PROVIDED WITH ADEQUATE PROTECTION FROM DAMAGE OR DETERIORATION AS A RESULT OF CONDITIONS OR ACTIVITIES IN THE VICINITY, AFTER BEING MOVED TO IN-PLACE STORAGE. CONTRARY TO THE ABOVE: ON MARCH 21, 1979, IT WAS NOTED THAT, ALTHOUGH (1) SCAFFOLDING WAS ERECTED IN THE AREA OF THE THREE INSTALLED CHARGING PUMPS, (2) SOME SCAFFOLDING STRUCTURE WAS PLACED ON PUMPS AND PUMP FOUNDATIONS, AND (3) THE AREA WAS CLUTTERED WITH TRASH AND DEBRIS, NO PROTECTIVE MEASURES EXISTED TO PROTECT THE PUMPS FROM DAMAGE OR DETERIORATION.
011083	012883	250074B	1	-	-
030277	030477	250075B	1	-	-
121977	122277	250075B	2	-	-
010978	011278	250075B	1	-	-
121178	121478	250075B	1	-	-
012980	020180	250075B	1	-	-
051082	051382	250075B	4	-	-
011083	012883	250075B	1	-	-
032079	032379	250076B	2	2	FAILURE TO PERFORM REQUIRED SURVEILLANCES AS REQUIRED BY APPROVED PROCEDURES: CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH

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032079	032379	250076B	2	2	H PRESCRIBED INSTRUCTIONS, PROCEDURES, AND DRAWING S. PARAGRAPH 6.10.1 OF EBASCO PROCEDURE ASP-IV-3, "GENERAL HOUSEKEEPING" REQUIRES EBASCO QUALITY CONTROL PERSONNEL TO PERFORM WEEKLY SURVEILLANCES OF THE WORK AREAS TO ASSURE THE ADEQUACY OF CLEANLINESS AND THE ADEQUACY OF HOUSEKEEPING PRACTICES IN THE WORK AREAS. THESE SURVEILLANCES ARE TO BE DOCUMENTED PER PARAGRAPH 6.10.1.5 OF THIS SAME PROCEDURE. CONTRARY TO THE ABOVE: DISCUSSIONS ON MARCH 22, 1979, WITH LP&L AND EBASCO PERSONNEL CONFIRMED THAT THESE PERIODIC SURVEILLANCES, WITH RESPECT TO THE INSTALLED CVC5 CHARGING PUMPS, WERE NOT BEING PERFORMED NOR DOCUMENTED AS REQUIRED BY THIS PROCEDURE.
011083	012883	250076B	1	-	-
032079	032379	250090B	2	-	-
060280	060580	250090B	2	2	FAILURE TO CONTROL USE OF CALIBRATED TOOL WITHIN NECESSARY LIMITS: CRITERION XII OF APPENDIX B TO 10 CFR 50 REQUIRES THAT TOOLS, GAUGES, INSTRUMENTS, AND OTHER MEASURING AND TESTING DEVICES USED IN ACTIVITIES AFFECTING QUALITY BE PROPERLY CONTROLLED, CALIBRATED, AND ADJUSTED AT SPECIFIED PERIODS TO MAINTAIN ACCURACY WITHIN NECESSARY LIMITS. TOMPKINS-BECKWITH PROCEDURE NO. TBP-33, REV B, "PROCEDURE FOR INSPECTING DRILLED-IN EXPANSION TYPE ANCHORS IN SEISMIC CLASS I CONCRETE," EXHIBIT I, "EXPANSION ANCHOR TEST AND INSPECTION DATA," REQUIRES THAT 1/2 INCH DIAMETER BOLTS BE TORQUED TO A VALUE BETWEEN 90 AND 100 FOOT-POUNDS (FT-LBS). CONTRARY TO THE ABOVE: THE 1/2 INCH DIAMETER ANCHOR BOLTS ON PIPE RESTRAINT NO. CDRR-322 WERE TORQUED USING CONTROLLED TOOL NO. 256 WHICH WAS NOT CALIBRATED FOR THE RANGE OF TORQUE VALUES SPECIFIED IN PROCEDURE TBP-33. FAILURE TO FOLLOW PROCEDURES FOR CONTROL OF DESIGN MODIFICATIONS: CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CRITERION III OF APPENDIX B TO 10 CFR 50 STATES IN PART THAT, "DESIGN CHANGES, INCLUDING FIELD CHANGES, SHALL BE SUBJECT TO DESIGN CONTROL MEASURES COM

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060280	060580	250090B	2	2	<p>MENSURATE WITH THOSE APPLIED TO THE ORIGINAL DESIGN AND BE APPROVED BY THE ORGANIZATION THAT PERFORMED THE ORIGINAL DESIGN UNLESS THE APPLICANT DESIGNATES ANOTHER RESPONSIBLE ORGANIZATION." TOMPKINS-BECKWITH (T-B) PROCEDURE NO. ASP-IV-37, REV H, "CONTROL OF 'AS-BUILT' INFORMATION FOR PIPING AND PIPE SUPPORT SYSTEMS," PARAGRAPH 1.2 STATES THAT THIS PROCEDURE IS INTENDED FOR, "MAKING MINOR MODIFICATIONS IN THE FIELD WHICH DO NOT AFFECT THE INTENT OF THE DESIGN." PARAGRAPH 4.2 STATES, "MINOR MODIFICATIONS ARE LIMITED TO THOSE SPECIFIED IN PARAGRAPH 6.3." PARAGRAPH 6.3 DOES NOT INCLUDE PIPE SUPPORT AND RESTRAINT DESIGN MODIFICATIONS WHICH REQUIRE A NEW ENGINEERING STRESS ANALYSIS. CONTRARY TO THE ABOVE: PIPE RESTRAINT NO. CDRR-322 WAS MODIFIED, THROUGH THE USE OF PROCEDURE ASP-IV-37, TO REPLACE TWO W4X13 BEAMS WITH A 4 IN. SQUARE BOX BEAM MANUFACTURED FROM 1/2 IN. STEEL PLATE. THROUGH DISCUSSIONS WITH LICENSEE REPRESENTATIVES, IT WAS DETERMINED THAT THE MODIFICATION WAS A MODIFICATION WHICH SHOULD HAVE BEEN ANALYZED FOR STRUCTURAL ADEQUACY PRIOR TO INSTALLATION. SINCE THIS DESIGN CHANGE WAS BEYOND THE SCOPE OF PROCEDURE ASP-IV-37, THE CHANGE WAS NOT SUBJECTED TO THOSE DESIGN CONTROL MEASURES APPLIED TO THE ORIGINAL DESIGN.</p>
081180	081580	250090B	2	2	<p>FAILURE TO FOLLOW PROCEDURAL REQUIREMENTS FOR THE TENSION TESTING OF INSTALLED EXPANSION ANCHORS: CRITERION V OF APPENDIX B TO 10CFR50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE PROCEDURES. TOMPKINS-BECKWITH PROC TBP-33, "PROCEDURE FOR INSPECTING DRILLED-IN EXPANSION TYPE ANCHORS IN SEISMIC CLASS 1 CONCRETE" REQUIRES, IN SECT 6.1.2(B), THAT ONE OUT OF EACH 100 CONSECUTIVELY INSTALLED ANCHORS BE TENSION TESTED. CONTRARY TO THE ABOVE: ON AUG 12, 1980 THE INSPECTOR DISCOVERED, DURING A REVIEW OF THE EXPANSION ANCHOR LOG (SHEETS 19 THRU 41) THAT THESE TENSION TESTS HAD NOT BEEN PERFORMED ON INSTALLED EXPANSION ANCHORS AS REQUIRED BY THE ABOVE PROCEDURE; AND FURTHERMORE, THESE TENSION TESTS HAD NOT BEEN PERFORMED AT ALL SINCE OCT 1979.</p> <p>FAILURE TO FOLLOW PROCEDURAL REQUIREMENTS FOR THE INSTALLATION OF SAFETY-RELATED PIPING: CRITERION V OF APPENDIX B TO 10CFR50 REQUIRES THAT ACTIVITIES</p>

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081180	081580	250090B	2	2	S AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE PROCEDURES. SECT 2.32 OF EBASCO INSTRUCTION PC-1, "INSTRUCTIONS FOR ERECTION OF PROCESS PIPING AND SUPPORTS" REQUIRES THAT FABRICATED PIPING IS TO BE HUNG IN SUPPORTS IN CORRECT POSITION BEFORE WELDING THE LINE TO ALLOW ROTATIONAL GIVE AND TAKE IN JOINT POSITIONING WHICH MAY BE NECESSARY TO MAKE ENDS MEET. CONTRARY TO THE ABOVE: ON AUG 14, 1980 THE IE INSPECTOR OBSERVED SEVEN FABRICATED SECTIONS OF SAFETY INJECTION PIPING IN PUMP RM B WHICH WERE NOT PROPERLY HUNG IN THE SUPPORTS IN CORRECT POSITION BEFORE WELDING. WELDING OPERATIONS HAD CONTINUED TO THE EXTENT THAT THE FABRICATED PIPING COULD NOT BE INSTALLED IN ITS PROPER POSITION TO MAKE ENDS MEET.
040781	041681	250090B	1	-	-
082581	082781	250090B	1	-	-
110281	110681	250090B	2	-	-
040582	040882	250090B	2	5	FAILURE TO FOLLOW PROCEDURES/INSTRUCTIONS FOR THE CONTROL OF TEMPORARY AND AS-BUILT PIPE SUPPORTS/RESTRAINTS: CRITERION V OF 10 CFR 50, APP B REQUIRES THAT ACTIVITIES AFFECTING SAFETY BE PERFORMED IN ACCORDANCE WITH THE PRESCRIBED PROCEDURES OR INSTRUCTIONS. THE NRC INSPECTORS IDENTIFIED THE FOLLOWING CONDITIONS WHERE PROCEDURES INVOLVING SAFETY-RELATED ACTIVITIES WERE NOT FOLLOWED: A. CONDITION IDENT WORK AUTHORIZATION (CIWA) NO. 823607 DTD MAR 29, 1982, REQUIRED REMOVAL OF TEMPORARY HANGERS SIRR-5001T, REV 0, FROM THE NORTH PUMP ROOM AND INSTALLATION OF SIRR-5001T, REV 2, IN THE SOUTH PUMP ROOM. THE CLOSED CIWA INDICATES WORK COMPLETED ON APR 2, 1982. CONTRARY TO THE ABOVE, THE NRC INSPECTOR OBSERVED TEMPORARY HANGER SIRR-5001T, REV 0, STILL IN PLACE IN THE NORTH PUMP ROOM ON APR 7, 1982. B. THE REQUIREMENT OF EBASCO PROC ASP-IV-89, ISSUE A, IS "TO ASSURE PIPE IS ADEQUATELY SUPPORTED FOR HYDROSTATIC TESTING AND FLUSH." CONTRARY TO THE ABOVE, THE NRC INSPECTOR OBSERVED PIPE SPOOL 2803-IC-35 SUPPORTED BY A WOODEN WEDGE IN BLOCKOUT RATHER THAN BY REQUIRED HANGER SIRR-183, EVEN THOUGH THE SYSTEM WALKDOWN FOR FLUSH

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040582	040882	250090B	2	5	AND HYDRO WAS COMPLETE. PARA 6.5.6 OF ASP-IV-89, ISSUE A, STATES: "THE CONSTRUCTION ENG MECHANICAL ... WILL INSPECT THE TEMP SUPPORT FOR CONFORMANCE TO THE TEMP DESIGN DRAWING. HE WILL SIGN AND DATE THE TEMP REQUEST FORM (ATT 7.2) INDICATING THE TEMP IS IN-PLACE PER THE DESIGN..." CONTRARY TO THE ABOVE, THE AS-BUILT CONDITION OF TEMP HANGER SIS R8707 (SYSTEM 60A) DEVIATES FROM DESIGN ALTHOUGH SIGNED AND DTD ATT 7.2 INDICATES COMPLIANCE.
081682	082082	250095B	2	-	-
112878	120178	251051B	1	-	-
012379	012679	251051B	2	-	-
022679	030979	251051B	2	-	-
052979	060179	251051B	1	-	-
030182	030582	251051B	2	-	-
011083	012883	251051B	1	-	-
110877	111177	251053B	1	-	-
071178	071478	251053B	2	-	-
022679	030979	251053B	2	2	FAILURE TO FOLLOW APPROVED DRAWINGS - MOUNTING/INSTALLATION OF CLASS IE 4160 VOLT SWITCHGEAR: CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS, PROCEDURES, AND DRAWINGS. EBASCO DRAWING 344-501, REVISION 5; MANUFACTURER DRAWING (EBASCO NO.) 154 4015 R 3; DESIGN CHANGE NOTICE E-172; AND FIELD CHANGE REQUESTS E-390 AND E-449 REQUIRE THAT THE MOUNTING OF F 4160 VOLT SWITCHGEAR 3AB3-S BE ACCOMPLISHED AS FOLLOWS: 1. USING A PLUG WELD AT EACH OF THE MANUFACTURER FURNISHED MOUNTING HOLES. 2. USING A 1/4 INCH LONG FILLET WELD BETWEEN THE MOUNTING ANGLE AND THE EMBEDDED MOUNTING PLATE AT EACH PLUG WELD. THE NET RESULT OF THIS MOUNTING SHOULD BE APPROXIMATELY TEN PLUG WELDS AND TEN FILLET WELDS AROUND THE PERIPHERY OF EACH SWITCHGEAR SECTION ATTACHING THE MANUFACTURER FURNISHED MOUNTING ANGLE TO THE CONCRETE EMBEDDED MOUNTING CHANNELS. CONTRARY TO

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022679	030979	251053B	2	2	THE ABOVE: THE IE INSPECTOR, ON MARCH 8, 1979, OBSERVED THAT THE MOUNTING/INSTALLATION FOR THE SECTIONS OF 4160 VOLT SWITCHGEAR 3AB3-S HAD BEEN ACCOMPLISHED AS FOLLOWS: A. THERE WAS NO EVIDENCE OF A PLUG WELD AT EACH OF THE MANUFACTURER FURNISHED MOUNTING HOLES. 2. FOUR, 3 INCH FILLET WELDS (TWO AT THE FRONT AND TWO AT THE REAR) WERE UTILIZED. THE TWO FILLET WELDS AT THE FRONT OF EACH SECTION WERE ON THE LIGHTER GAUGE STEEL BOTTOM PAN OF THE SWITCHGEAR INSTEAD OF THE MOUNTING ANGLE. THIS MOUNTING/INSTALLATION WAS SIGNED OFF ON OCTOBER 12, 1978, AS ACCEPTABLE BY QC ON QUALITY CONTROL CHECK LIST FOR EQUIPMENT INSTALLATION FOR 4160 VOLT SWITCHGEAR 3AB3-S.
051082	051382	251053B	4	-	-
011083	012883	251053B	1	-	-
112878	120178	251054B	1	-	-
012379	012679	251054B	2	-	-
022679	030979	251054B	2	-	-
030182	030582	251054B	2	4	FAILURE TO FOLLOW PERIODIC MAINTENANCE INSTRUCTIONS FOR ELECTRICAL EQUIPMENT.
080982	081382	251054B	1	-	-
011083	012883	251054B	1	-	-
020783	021183	251054B	2	-	-
110877	111177	251055B	1	-	-
071178	071478	251055B	2	-	-
112878	120178	251055B	1	-	-
022481	030681	251055B	3	-	-
011083	012883	251055B	1	-	-
020783	021183	251055B	2	-	-
012379	012679	251056B	2	2	FAILURE TO FOLLOW APPROVED PROCEDURES DURING INITI

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FROM DATE	TO DATE	MODULE#	FIND-INGS	DEVIATION/SEVERITY	TEXT
012379	012679	251056B	2	2	<p>AL CHARGE OF SAFETY RELATED BATTERIES: CRITERION V OF APPENDIX B TO 10 CFR PART 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES. EBASCO INSTRUCTION CMI-177, REVISION 5, FISCHBACH AND MOORE PROCEDURE CP-311, REVISION 0, AND GOULD INDUSTRIAL BATTERIES INSTRUCTION BOOK, DOCKET NO. 5817-889-R0 REQUIRE THE FOLLOWING IN REGARD TO SAFETY RELATED BATTERIES: 1. A MINIMUM OF SEVENTY HOURS INITIAL CHARGE. 2. THAT THE ELECTROLYTE IS NOT TO BE REMOVED DURING THE INITIAL CHARGE. 3. THE BATTERIES ARE TO BE PLACED ON A FLOAT CHARGE AND INDIVIDUAL CELL VOLTAGES, SPECIFIC GRAVITIES (CORRECTED TO 77 DEG F), AMBIENT TEMPERATURE AND CELL TEMPERATURES BE RECORDED FOR ALL CELLS AND THE ELECTROLYTE LEVELS FOR 10% OF THE CELLS. 4. AN EQUALIZING CHARGE IS TO BE PERFORMED WHEN THE SPECIFIC GRAVITY OF A CELL FALLS BELOW 1.205 AND EVALUATION OF THE CONDITION IS TO BE DOCUMENTED. CONTRARY TO THE ABOVE: DURING THE INITIAL CHARGE OF 125 VDC CLASS IE BATTERIES 3A-S, 3B-S, AND 3AB-S FROM SEPTEMBER 20 TO SEPTEMBER 23, 1978, IT WAS DETERMINED THAT: 1. THE RECORDS FOR THE INITIAL CHARGE INDICATED THAT THE CHARGE DURATION WAS FORTY-FOUR HOURS; HOWEVER, DISCUSSIONS WITH FISCHBACH AND MOORE INDICATED THAT ALL CHARGES LASTED SIXTY-EIGHT HOURS, TWO HOURS LESS THAN THE MINIMUM SPECIFIED. 2. WHEN QUESTIONED CONCERNING LOW ELECTROLYTE LEVELS IN NUMEROUS CELLS, THE IE INSPECTOR WAS TOLD BY THE LICENSEE REPRESENTATIVE THAT ELECTROLYTE HAD BEEN REMOVED FROM NUMEROUS CELLS DURING THE INITIAL CHARGE. 3. ALL THREE BATTERIES WERE PLACED ON OPEN CIRCUIT FOR THE FINAL SET OF READINGS AND ONLY TWO CELL TEMPERATURES FOR 3A-S AND 3B-S, AND FOUR CELL TEMPERATURES FOR 3AB-S WERE RECORDED. NO ELECTROLYTE LEVELS WERE RECORDED AT ANY TIME DURING THE CHARGES, AS CONFIRMED BY THE LICENSEE REPRESENTATIVE. 4. THE FINAL SPECIFIC GRAVITY LOG FOR BATTERY 3AB-S TAKEN ON SEPTEMBER 25, 1978, INDICATED THAT CELLS NO. 4 AND 12 HAD SPECIFIC GRAVITIES OF 1.203. AN EQUALIZING CHARGE WAS NOT PERFORMED AND THE EVALUATION OF THIS CONDITION WAS NOT DOCUMENTED, AS CONFIRMED BY THE LICENSEE REPRESENTATIVE.</p>
022679	030979	251056B	2	-	-

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FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
052979	060179	251056B	1	-	-
030182	030582	251056B	2	-	-
011083	012883	251056B	1	-	-
020783	021183	251056B	2	-	-
030277	030477	251061B	1	-	-
042677	052777	251061B	2	-	-
060877	062377	251061B	1	-	-
092777	093077	251061B	2	-	-
043079	050379	251061B	1	-	-
052979	060179	251061B	1	-	-
031180	031480	251061B	1	-	-
040780	041080	251061B	1	-	-
092380	092680	251061B	1	-	-
102180	102480	251061B	1	-	-
011783	012183	251061B	1	-	-
092777	093077	251063B	2	-	-
110877	111177	251063B	1	-	-
121977	122277	251063B	2	-	-
010978	011278	251063B	1	-	-
071178	071478	251063B	2	-	-
043079	050379	251063B	1	-	-
052979	060179	251063B	1	-	-
031180	031480	251063B	1	-	-
040780	041080	251063B	1	-	-

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FROM DATE	TO DATE	MODULE#	FIND-INGS	DEVIATION/SEVERITY	TEXT
072880	073180	251063B	1	-	-
102180	102480	251063B	1	-	-
111780	112080	251063B	1	-	-
041381	041681	251063B	1	-	-
042781	050181	251063B	1	-	-
051881	052281	251063B	1	-	-
091481	091781	251063B	1	-	-
101981	102281	251063B	1	-	-
092777	093077	251064B	2	-	-
052979	060179	251064B	1	-	-
040780	041080	251064B	1	-	-
072880	073180	251064B	1	-	-
102180	102480	251064B	1	-	-
111780	112080	251064B	1	-	-
042781	050181	251064B	1	-	-
051881	052281	251064B	1	-	-
091481	091781	251064B	1	-	-
101981	102281	251064B	1	-	-
030277	030477	251065B	1	-	-
110877	111177	251065B	1	-	-
121977	122277	251065B	2	2	-

CONTRARY TO CRITERION V OF APPENDIX B TO 10 CFR 50
AND QA REQUIREMENT QR5.0, NO TEMPERATURE OF HUMIDITY
ACCEPTANCE CRITERIA ARE PROVIDED FOR LEVEL A AND
LEVEL B WAREHOUSES.
CONTRARY TO CRITERION V OF APPENDIX B TO 10 CFR 50
AND SECTION 6.4.1.1 OF PROCEDURE ASP-III-14, NO T

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FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
121977	122277	251065B	2	2	EMPERATURE OR HUMIDITY DATA WERE RECORDED AS REQUIRED DURING LEVEL A AND LEVEL B WAREHOUSE SURVEILLANCE FOR A SIX MONTH PERIOD.
010978	011278	251065B	1	-	-
071178	071478	251065B	2	-	-
043079	050379	251065B	1	-	-
040780	041080	251065B	1	-	-
072880	073180	251065B	1	-	-
092380	092680	251065B	1	-	-
102180	102480	251065B	1	-	-
111780	112080	251065B	1	-	-
042781	050181	251065B	1	-	-
051881	052281	251065B	1	-	-
091481	091781	251065B	1	-	-
101981	102281	251065B	1	-	-
121382	121682	251065B	1	-	-
030277	030477	251066B	1	-	-
040780	041080	251066B	1	-	-
072880	073180	251066B	1	-	-
092380	092680	251066B	1	-	-
102180	102480	251066B	1	-	-
111780	112080	251066B	1	-	-
121382	121682	251066B	1	-	-
090280	090580	252051B	1	-	-
091680	101080	252051B	2	-	-

FROM DATE	TO DATE	MODULE#	FIND-INGS	DEVIATION/SEVERITY	TEXT
121680	121980	252051B	1	-	-
022481	030681	252051B	3	-	-
080481	080781	252051B	1	-	-
020783	021183	252051B	2	-	-
090280	090580	252053B	1	-	-
091680	101080	252053B	2	2	<p>FAILURE TO FOLLOW PROCEDURES RELATIVE TO THE INSTALLATION OF SAFETY-RELATED TUBING ASSEMBLIES: CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. THE MERCURY COMPANY PROCEDURE SP-656, "FABRICATION OF LOCAL INSTRUMENT PIPING AND TUBING ASSEMBLIES," REVISION 3, DATED NOVEMBER 15, 1978, PARAGRAPH 6.3.7 STATES, "PLUG ALL OPEN ENDED VALVES WITH PLASTIC CAPS OR EQUAL." CONTRARY TO THE ABOVE: ON OCTOBER 9, 1980, DURING THE IE INSPECTOR'S TRACKING OF INSTRUMENT SENSOR TUBING RUNS, THE IE INSPECTOR OBSERVED SIX INSTALLED 1/2 INCH NEEDLE VALVES THAT WERE OPEN AND UNPROTECTED. TWO OF THESE VALVES WERE IDENTIFIED AS SAFETY-RELATED VALVES (ITEM 3 ON MERCURY COMPANY DRAWING 151-T-014-C, REV. 0) AT THE 46 FOOT ELEVATION IN THE REACTOR CONTAINMENT BUILDING.</p>
121680	121980	252053B	1	-	-
022481	030681	252053B	3	-	-
080481	080781	252053B	1	-	-
020783	021183	252053B	2	-	-
080481	080781	252054B	1	-	-
080481	080781	252055B	1	-	-
080481	080781	252056B	1	-	-
042677	052777	252061B	2	-	-

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FROM DATE	TO DATE	MODULE#	FIND- INGS	DEVIATION/ SEVERITY	TEXT
060877	062377	252061B	1	-	-
040780	041080	252061B	1	-	-
092380	092680	252061B	1	-	-
102180	102480	252061B	1	-	-
051881	052281	252061B	1	-	-
091481	091781	252061B	1	-	-
101981	102281	252061B	1	-	-
011783	012183	252061B	1	-	-
110877	111177	252063B	1	-	-
121977	122277	252063B	2	-	-
010978	011278	252063B	1	-	-
040780	041080	252063B	1	-	-
102180	102480	252063B	1	-	-
041381	041681	252063B	1	-	-
042781	050181	252063B	1	-	-
051881	052281	252063E	1	-	-
091481	091781	252063B	1	-	-
101981	102281	252063B	1	-	-
011783	012183	252063B	1	-	-
062783	070183	252063B	1	-	-
040780	041080	252064B	1	-	-
102180	102480	252064B	1	-	-
042781	050181	252064B	1	-	-

FROM DATE	TO DATE	MODULE#	FIND- INGS	DEVIATION/ SEVERITY	TEXT
051881	052281	252064B	1	-	-
091481	091781	252064B	1	-	-
101981	102281	252064B	1	-	-
011783	012183	252064B	1	-	-
062783	070183	252064B	1	-	-
110877	111177	252065B	1	-	-
121977	122277	252065B	2	-	-
010978	011278	252065B	1	-	-
040780	041080	252065B	1	-	-
092380	092680	252065B	1	-	-
102180	102480	252065B	1	-	-
022481	030681	252065B	3	-	-
042781	050181	252065B	1	-	-
051881	052281	252065B	1	-	-
091481	091781	252065B	1	-	-
101981	102281	252065B	1	-	-
121382	121682	252065B	1	-	-
062783	070183	252065B	1	-	-
040780	041080	252066B	1	-	-
092380	092680	252066B	1	-	-
102180	102480	252066B	1	-	-
121382	121682	252066B	1	-	-
062783	070183	252066B	1	-	-
020177	020477	253051B	1	-	-

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
031880	032180	253051B	2	-	-
110281	110681	253051B	2	-	-
040478	040778	253053B	2	-	-
022679	030979	253053B	2	-	-
031880	032180	253053B	2	2	<p>FAILURE TO FOLLOW CONTRACT PROCEDURES RELATED TO CARE AND MAINTENANCE OF CONTAINMENT PENETRATION ASSEMBLIES: CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH PRESCRIBED INSTRUCTIONS, PROCEDURES AND DRAWINGS. EBASCO PROCEDURE CMI #141, "CARE AND MAINTENANCE INSTRUCTIONS FOR THE CONTAINMENT PENETRATION ASSEMBLIES," PER PARAGRAPH D.2, REQUIRES THAT AFTER BEING MOVED TO IN-PLACE STORAGE, THE EQUIPMENT BE PROVIDED WITH ADEQUATE PROTECTION FROM DAMAGE AND DETERIORATION AS A RESULT OF CONDITIONS OR ACTIVITIES IN THE VICINITY. IN ADDITION, TPB-46, REV A, "CARE AND MAINTENANCE OF PERMANENT PLANT ITEMS," PER PARAGRAPH 6.3.1, IMPLEMENTS THE CMI PROCEDURE AND REQUIRES THAT SURVEILLANCES OF THE INSTALLED EQUIPMENT BE PERFORMED ON A MONTHLY BASIS. CONTRARY TO THE ABOVE: ON MAR 20, 1980 THE IE INSPECTOR NOTED THE FOLLOWING CONDITIONS: 1. SCAFFOLDING FOR TRADES WORKING IN THE AREA OF THE INSTALLED PENETRATION ASSEMBLIES WAS IN SEVERAL PLACES, INSTALLED DIRECTLY AGAINST THE ASSEMBLIES. 2. PROTECTIVE COVERS FOR THE OPENINGS OF THE ASSEMBLIES WERE REMOVED AND/OR WERE NOT INSTALLED. FEB 18, 1980 SURVEILLANCE REPORT 730 AND SURVEILLANCE REPORT 731 INDICATED THAT THE OPENINGS OF THE COMPONENTS WERE COVERED. 3. PIPING AND PIPING SUBASSEMBLIES WERE STORED INSIDE SOME OF THE PENETRATIONS, AND IN SOME CASES, WERE DIRECTLY SUPPORTED BY THE PENETRATION ASSEMBLY.</p>
110281	110681	253053B	2	5	<p>FAILURE TO FOLLOW PROCEDURES FOR THE PROTECTION OF ELECTRICAL PENETRATION ASSEMBLIES: CRITERION V OF APP B TO 10 CFR 50, REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND THAT THEY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. EBASCO CMI 28, REV 8, "CARE</p>

FROM DATE	TO DATE	MODULE#	FIND-INGS	DEVIATION/SEVERITY	TEXT
110281	110681	253053B	2	5	AND MAINTENANCE INSTRUCTIONS FOR ELECTRICAL PENETRATION ASSEMBLIES" REQUIRES THAT, DURING IN-PLACE STORAGE, PENETRATION ASSEMBLIES BE PROVIDED WITH ADEQUATE PROTECTION FROM DAMAGE AND DETERIORATION AS A RESULT OF CONDITIONS OR ACTIVITIES IN THE VICINITY. CONTRARY TO THE ABOVE, DURING A PLANT TOUR ON NOV 2, 1981, THE NRC INSPECTOR DISCOVERED PROTECTIVE BARRIERS ABSENT FROM CLASS 1E ELECTRICAL PENETRATIONS 107SB AND 101SA. PENETRATIONS IN SUCH AN UNPROTECTED CONDITION ARE SUBJECT TO DAMAGE DUE TO ADJACENT CONSTRUCTION ACTIVITIES.
040478	040778	253055B	2	-	-
022679	030979	253055B	2	-	-
032079	032379	253055B	2	-	-
031880	032180	253055B	2	-	-
110281	110681	253055B	2	-	-
021076	031276	255051B	2	-	-
051176	052176	255051B	4	-	-
020376	020676	255053B	1	-	-
021076	031276	255053B	2	-	-
051176	052176	255053B	4	-	-
081076	081276	255053B	1	-	-
042677	052777	255053B	2	-	-
060877	062377	255053B	1	-	-
083077	090277	255053B	2	-	-
080778	081178	255053B	1	-	-
070681	071081	255053B	2	5	FAILURE TO FOLLOW PROCEDURES CRITERION V OF APPENDIX B TO 10 CFR PART 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
070681	071081	255053B	2	5	THESE PROCEDURES. THE FOLLOWING TWO EXAMPLES OF FAILURE TO FOLLOW PROCEDURES WERE NOTED: 1. SECTION 8.0 TO DIVISION 4 OF THE CHICAGO BRIDGE AND IRON (CB&I) NUCLEAR QUALITY ASSURANCE MANUAL FOR ASME SECTION III PRODUCTS, ISSUE NO. 6 REQUIRES THAT ALL UNUSED WELDING ELECTRODES SHALL BE RETURNED TO THE STORAGE OVENS OR DISCARDED (DESTROYED) AT THE END OF EACH SHIFT. CONTRARY TO THE ABOVE: ON JULY 6, 1981, THE NRC INSPECTORS OBSERVED SEVERAL UNUSED WELDING ELECTRODES IN A BUCKET AND ON THE FLOOR IN THE CB&I WORK AREA THAT HAD NOT BEEN RETURNED TO THE STORAGE OVENS, DESTROYED, OR REMOVED FROM THE WORK AREA AND DISCARDED AFTER THE END OF THE WORK SHIFT. 2. SECTION 14.0 TO DIVISION 4 OF THE CHICAGO BRIDGE AND IRON NUCLEAR QUALITY ASSURANCE MANUAL, ISSUE NO. 6 REQUIRES THAT ALL NONCONFORMITIES AWAITING RESOLUTION SHALL BE ENTERED ON THE NONCONFORMANCE CONTROL LIST AND REPAIRS SHALL BE CONTROLLED AND DOCUMENTED ON A REPAIR CHECK LIST. CONTRARY TO THE ABOVE: ON JULY 7, 1981, THE NRC INSPECTORS DETERMINED THAT REINSTALLATION OF THE CONTAINMENT EQUIPMENT HATCH COVER WAS CLASSIFIED BY CHICAGO BRIDGE AND IRON AS A NONCONFORMANCE/REPAIR WHICH WAS NOT ENTERED ON THE NONCONFORMANCE CONTROL LIST NOR CONTROLLED AND DOCUMENTED ON A REPAIR CHECK LIST.
081081	081481	255053B	1	-	-
082581	082781	255053B	1	-	-
020376	020676	255055B	1	-	-
021076	031276	255055B	2	-	-
081076	081276	255055B	1	-	-
080778	081178	255055B	1	-	-
070780	071180	255055B	1	-	-
081081	081481	255055B	1	-	-
082581	082781	255055B	1	-	-
042677	052777	255061B	2	-	-
083077	090277	255061B	2	-	-

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101177	101477	255061B	1	-	-
081081	081481	255061B	1	-	-
040478	040778	255063B	2	2	FAILURE TO FULLY INSPECT STRUCTURAL WELD: 10 CFR 50, APPENDIX B, CRITERION X REQUIRES THAT A PROGRAM FOR INSPECTION OF ACTIVITIES AFFECTING QUALITY BE EXECUTED TO VERIFY CONFORMANCE WITH PROCEDURES. EBASCO SPECIFICATION LOU 1564.723, ADDENDUM 500-70, PARAGRAPHS 4.3 AND 5 REQUIRE THAT ALL WELDS BE VISUALLY INSPECTED IN ACCORDANCE WITH SECTION 6 OF AWS D1.1-1972. CONTRARY TO THE ABOVE: THE COMPLETED FIELD WELD OF THE WALL BRACKET AT ELEVATION +21 FOR SEISMIC SUPPORT 49B4 FOR THE NORTHWEST HOLD UP TANK WAS OBSERVED BY THE INSPECTOR ON APRIL 4, 1978, TO HAVE WELD SLAG ON A 14 INCH SECTION OF WELD, PREVENTING VISUAL INSPECTION OF THAT PORTION OF THE WELD. THIS WELD HAD BEEN VISUALLY INSPECTED AND ACCEPTED AS DOCUMENTED ON FORM FQAP 6-9 DATED NOVEMBER 11, 1977.
061278	062378	255063B	1	-	-
040478	040778	255065B	2	-	-
061278	062378	255065B	1	-	-
010482	010782	255065B	1	-	-
010383	020483	255066B	1	-	-
120781	121181	255071B	1	-	-
092082	092482	255071B	1	-	-
120781	121181	255073B	1	-	-
092082	092482	255074B	1	-	-
120781	121181	255075B	1	-	-
092082	092482	255076B	1	-	-
010383	020483	255076B	1	-	-
101177	101477	255081B	1	-	-

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/ SEVERITY	TEXT
092082	092482	255081B	1	-	-
010978	011278	255083B	1	-	-
021478	022478	255083B	2	2	FAILURE TO FOLLOW PROCEDURES FOR THE CONTROL OF SPECIAL PROCESSES: 10 CFR 50, APPENDIX B, CRITERION IX REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT SPECIAL PROCESSES INCLUDING WELDING ARE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE CRITERIA. TOMPKINS-BECKWITH PROCEDURE TBP-26, REVISION B, PARAGRAPH 6.1.1.E REQUIRES THAT COMPLETED WELDS TO BE FREE OF COARSE RIPPLES, IRREGULAR SURFACES AND DEEP RIDGES OR VALLEYS BETWEEN BEADS. COMPLETED FIELD WELD 4, Q-2SI-IC-71-F/E, ASSOCIATED WITH 24" SAFETY INJECTION LINE, WAS OBSERVED BY THE INSPECTOR ON FEBRUARY 23, 1978, TO CONTAIN COARSE RIPPLES, IRREGULAR SURFACES, AND DEEP RIDGES OR VALLEYS BETWEEN BEADS. THE WELDS DISCUSSED HAD BEEN ACCEPTED ON THE "CONTROLLED WELD JOINT RECORD."
040478	040778	255083B	2	2	FAILURE TO PROVIDE ADEQUATE PROCEDURES: 10 CFR 50, APPENDIX B, CRITERION V STATES IN PART, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES." THE GENERAL WELDING REQUIREMENTS OF SECTION I, PARAGRAPH 2.06 OF EBASCO SPECIFICATION 884-75 STATES IN PART, "LOW HYDROGEN ELECTRODE SHALL BE PLACED IN HOLDING OVENS AT A TEMPERATURE OF 200 DEGREES F, SHALL HAVE A MAXIMUM EXPOSURE LIMIT OF FOUR HOURS AND SHALL BE REBAKED PRIOR TO REISSUE." CONTRARY TO THE ABOVE: TOMPKINS-BECKWITH PROCEDURE TBP-3, REV. 3 FOR WELD MATERIAL CONTROL DOES NOT PRESCRIBE THE HOLDING OVEN MINIMUM TEMPERATURE, THE ELECTRODE EXPOSURE LIMITS, NOR THE DISPOSITION OF RETURNED ELECTRODE.
080778	081178	255083B	1	-	-
111478	111778	255083B	2	2	FAILURE TO ESTABLISH SURVEILLANCE INSPECTION PROGRAM: 10 CFR PART 50, APPENDIX B, CRITERION X REQUIRES THAT A PROGRAM FOR INSPECTION OF ACTIVITIES AFFECTING QUALITY SHALL BE ESTABLISHED TO VERIFY CONFORMANCE WITH DOCUMENTED PROCEDURES FOR ACCOMPLISHING SAFETY RELATED ACTIVITIES. TOMPKINS-BECKWITH QUALITY ASSURANCE MANUAL, PARAGRAPHS 11.4.1.1 AND 11.4.7.1 SPECIFY THAT A QUALITY CONTROL P

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? Correction

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/ SEVERITY	TEXT
111478	111778	255083B	2	2	ROGRAM WILL BE PERFORMED WHICH WILL INCLUDE RECORDING OF THE QC SURVEILLANCE INSPECTION OF WELDER'S CONFORMANCE TO WELD PROCEDURE REQUIREMENTS INCLUDING GAS FLOW, VOLTS, AMPS, ETC. CONTRARY TO THE ABOVE: TOMPKINS-BECKWITH (T-B), WHO ARE INVOLVED IN THE WELDING OF SAFETY RELATED PIPING, HAVE NOT ESTABLISHED A DOCUMENTED PROGRAM FOR PERFORMING SURVEILLANCE INSPECTION OF WELDER'S CONFORMANCE TO WELD PROCEDURE REQUIREMENTS. THIS FINDING WAS CONFIRMED DURING DISCUSSION WITH T-B QA PERSONNEL.
022580	022880	255083B	2	2	FAILURE TO FOLLOW INSPECTION PROCEDURES: 10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES. PROCEDURE TBP-26, REVISION H, "VISUAL INSPECTION PROCEDURE" PARAGRAPH 6.1.5 REQUIRES THAT FINAL WELDS THAT JOIN PIPING SUBASSEMBLIES OR COMPONENTS OF EQUAL OUTSIDE DIAMETERS SHALL BE CROWNED AT THE CENTER AND SMOOTHLY TAPERED ON EACH SIDE OF THE SURFACE BEING WELDED. CONTRARY TO THE ABOVE: ON FEBRUARY 27, 1980, COMPONENT COOLING SYSTEM PIPE WELD NO. FW-2, AS SHOWN ON ISOMETRIC #5 OF DRAWING 8469-2516-R, WAS FOUND TO HAVE BEEN REWORKED AFTER FINAL INSPECTION SUCH THAT A POTENTIAL STRESS RISER REMAINED. A REVIEW OF INSTALLATION RECORDS REVEALED THAT BOTH VISUAL AND LIQUID PENETRANT INSPECTION HAD BEEN PERFORMED AND THAT THE WELD HAD BEEN ACCEPTED. SURFACE CONDITION OF THE WELD WAS UNACCEPTABLE AS DEFINED BY PROCEDURE TBP-26.
031880	032180	255083B	2	-	-
010978	011278	255085B	1	-	-
021478	022478	255085B	2	2	FAILURE TO PROVIDE PROPERLY QUALIFIED PROCEDURES FOR THE CONTROL OF SPECIAL PROCESSES: 10 CFR 50, APPENDIX B, CRITERION IX REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT SPECIAL PROCESSES INCLUDING WELDING ARE CONTROLLED AND ACCOMPLISHED USING QUALIFIED PROCEDURES IN ACCORDANCE WITH APPLICABLE CODES. THE LP&L MANUAL, REQUIREMENT NO. 9, PARAGRAPHS 9.1 AND 9.2 REQUIRES THAT SUPPLIERS PERFORM SPECIAL PROCESSES USING PROCEDURES QUALIFIED IN ACCORDANCE WITH SPECIFIED CODES, INCLUDING AS ME B&PV CODE, SECTION III. CONTRARY TO THE ABOVE:

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
021478	022478	255085B	2	2	TOMPKINS-BECKWITH WELDING PROCEDURE SPECIFICATIO N WP 1.6, FOR USE IN CONTROLLING WELDING CONDITION S FOR CONTAINMENT PENETRATION ASSEMBLIES, WAS NOT QUALIFIED IN ACCORDANCE WITH THE ASME B&PV CODE, S ECTION III, PART NE, 1971 EDITION, INCLUDING WINTE R 1973 ADDENDA, IN THAT THE CHARPY IMPACT TESTING PERFORMED FOR PROCEDURE QUALIFICATION RECORD WP 1 .6C WAS AT A TEMPERATURE OF 50 DEGREES F RATHER T HAN 20 DEGREES F AS SPECIFIED BY THE CODE.
080778	081178	255085B	1	-	-
031880	032180	255085B	2	-	-
070780	071180	255085B	1	-	-
010383	020483	255085B	1	-	-
070780	071180	255152B	1	-	-
103079	110279	255155B	1	-	-
070780	071180	255155B	1	-	-
010383	020483	255155B	1	-	-
022679	030979	255171B	2	-	-
031180	031480	255171B	1	-	-
092082	092482	255171B	1	-	-
103079	110279	255172B	1	-	-
112779	113079	255172B	1	-	-
061979	062279	255173B	1	-	-
071079	071379	255173B	1	-	-
103079	110279	255173B	1	-	-
012980	020180	255173B	1	-	-
031180	031480	255173B	1	-	-
092082	092482	255173B	1	-	-

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
061979	062279	255175B	1	-	-
103079	110279	255175B	1	-	-
072880	073180	255175B	1	-	-
042781	050181	255175B	1	-	-
010383	020483	255175B	1	-	-
103079	110279	255176B	1	-	-
012980	020180	255176B	1	-	-
031180	031480	255176B	1	-	-
070681	071081	255176B	2	-	-
051082	051382	255176B	4	D	<p>PARA 5.2.3 OF THE FSAR SPECIFIES THAT THE MATERIAL SPECS FOR THE 42-INCH DIAMETER REACTOR COOLANT PIPING IS SA-516, GRADE 70, AND THE WELD METAL IS SFA 5.1, E7018. IN DEVIATION FROM THE ABOVE, THE WELD METAL IN THE 42-INCH DIAMETER REACTOR COOLANT PIPING, WELDS P10W1 AND P10W2, DOES NOT MEET SPEC REQUIREMENTS OF SFA 5.1, E7018, AND COMBUSTION ENGINEERING IN ANALYTICAL EVALUATION REPT CENC-1460 DERATED THE PIPING MATERIAL TO BE EQUIVALENT TO SPEC SA-516, GRADE 65. LOUISIANA POWER AND LIGHT COMPANY IS HEREBY REQUESTED TO SUBMIT TO THIS OFFICE, WITHIN 30 DAYS OF THE DATE OF THIS NOTICE OF DEVIATION, A WRITTEN STATEMENT OR EXPLANATION IN REPLY, INCLUDING: (1) THE CORRECTIVE STEPS WHICH HAVE BEEN TAKEN AND THE RESULTS ACHIEVED; (2) CORRECTIVE STEPS WHICH WILL BE TAKEN TO AVOID FURTHER DEVIATION FROM COMMITMENTS MADE TO THE COMMISSION, AND (3) THE DATE WHEN FULL COMPLIANCE WILL BE ACHIEVED. CONSIDERATION MAY BE GIVEN TO EXTENDING YOUR RESPONSE TIME FOR GOOD CAUSE SHOWN.</p>
092082	092482	255176B	1	-	-
071079	071379	255177B	1	-	-
103079	110279	255177B	1	-	-
012980	020180	255177B	1	-	-

7. Corrective action

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FROM DATE	TO DATE	MODULE#	FIND-INGS	DEVIATION/ SEVERITY	TEXT
031180	031480	255177B	1	-	-
092082	092482	255177B	1	-	-
092082	092482	255178B	1	-	-
031180	031480	255181B	1	-	-
092082	092482	255181B	1	-	-
112779	113079	255182B	1	-	-
031180	031480	255182B	1	-	-
092082	092482	255182B	1	-	-
091779	092579	255183B	1	-	-
031180	031480	255183B	1	-	-
092082	092482	255183B	1	-	-
091779	092579	255185B	1	-	-
031180	031480	255185B	1	-	-
072880	073180	255185B	1	-	-
010383	020483	255185B	1	-	-
031180	031480	255186B	1	-	-
011783	012183	255186B	1	-	-
031180	031480	255187B	1	-	-
092082	092482	255187B	1	-	-
010383	020483	255904B	1	-	-
010383	020483	257900B	1	-	-
010383	020483	257901B	1	-	-
010383	020483	257902B	1	-	-

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FROM DATE	TO DATE	MODULE#	FIND- INGS	DEVIATION/ SEVERITY	TEXT
010383	020483	257903B	1	-	-
010383	020483	257904B	1	-	-
071282	073082	273051B	1	-	-
071282	073082	273052B	1	-	-
071282	073082	273053B	1	-	-
071282	073082	273055B	1	-	-
022676	022776	280220B	1	-	-
011177	011277	280220B	1	-	-
032078	032278	280220B	1	-	-
092679	092879	280220B	1	-	-
083077	090277	292700B	2	-	-
092777	093077	292700B	2	-	-
102577	102877	292700B	2	-	-
120677	120977	292700B	1	-	-
021478	022478	292700B	2	-	-
110281	110681	292700B	2	-	-
010776	010976	292701B	2	-	-
021076	031276	292701B	2	-	-
032376	032676	292701B	1	-	-
051176	052176	292701B	4	-	-
081076	081276	292701B	1	-	-
092176	092476	292701B	2	-	-
101376	102276	292701B	2	-	-

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FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
121476	121676	292701B	2	-	-
020177	020477	292701B	1	-	-
060877	062377	292701B	1	-	-
080277	080577	292701B	1	-	-
083077	090277	292701B	2	-	-
092777	093077	292701B	2	-	-
101177	101477	292701B	1	-	-
102577	102877	292701B	2	-	-
120677	120977	292701B	1	-	-
121977	122277	292701B	2	-	-
010978	011278	292701B	1	-	-
021478	022478	292701B	2	-	-
051578	051978	292701B	1	-	-
080778	081178	292701B	1	-	-
010979	011279	292701B	1	-	-
012379	012679	292701B	2	-	-
081579	082479	292701B	1	-	-
103079	110279	292701B	1	-	-
012980	020180	292701B	1	-	-
022580	022880	292701B	2	-	-
031180	031480	292701B	1	-	-
060280	060580	292701B	2	-	-
070780	071180	292701B	1	-	-

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FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
081980	082280	292701B	1	-	-
090280	090580	292701B	1	-	-
091680	101080	292701B	2	-	-
020281	020581	292701B	1	-	-
041381	041681	292701B	1	-	-
042781	050181	292701B	1	-	-
051881	052281	292701B	1	-	-
082581	082781	292701B	1	-	-
120781	121181	292701B	1	-	-
030182	030582	292701B	2	-	-
051082	051382	292701B	4	-	-
040582	040882	292701B	2	-	-
071282	073082	292701B	1	-	-
092082	092482	292701B	1	-	-
011783	012183	292701B	1	-	-
020783	021183	292701B	2	5	FAILURE TO MAINTAIN DOCUMENTATION FOR INSTALLATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT: CRITERION XVII OF 10CFR50, APP B, REQUIRES THAT SUFFICIENT RECORDS BE MAINTAINED TO FURNISH EVIDENCE OF ACTIVITIES AND SHALL BE IDENTIFIABLE AND RETRIEVABLE. A. CONTRARY TO THE ABOVE, EBASCO SERVICES, INC., COULD NOT PRODUCE THE INSPECTION RECORDS FOR THE INSTALLATION OF THE MOTOR FOR CONTROL ROOM SUPPLY FAN 3BSB. THIS SAFETY-RELATED MOTOR WAS PROPERLY INSTALLED AND INSPECTION RECORDS FOR FAN 3BSB AND ASSOCIATED AIR HANDLING AH-12 WERE INADEQUATE. B. CONTRARY TO THE ABOVE, FISCHBACH & MOORE COULD NOT PRODUCE THE INSPECTION REPORTS FOR THE MOUNTING OF DIESEL GENERATOR CONTROL AND RELAY PANEL 3B-5. THIS PANEL WAS PROPERLY INSTALLED AND T

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
020783	021183	292701B	2	5	THE INSPECTION RECORDS FOR THE OTHER PANELS ASSOCIATED WITH THE 3B DIESEL GENERATOR WERE INADEQUATE FAILURE TO FOLLOW PROCEDURES FOR UPDATING RED-LINE DRAWINGS FOR SAFETY-RELATED INSTRUMENTATION: CRITERION V OF 10CFR50, APP B, REQUIRES THAT ACTIVITIES AFFECTING SAFETY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INSTRUCTIONS, PROCEDURES AND DRAWINGS. MERCURY PROCEDURE SP 677, REV 5, "PROCEDURE FOR RED-LINING DRAWINGS," PARAGRAPH 6.1.5.1, REQUIRES THAT CHANGES REFLECTED IN THE RED-LINED DRAWING BE INCORPORATED IN A NEW REVISION WITHIN 90 DAYS OF THE FIRST RED-LINE AND SUBMITTED TO EBASCO SERVICES INC., FOR APPROVAL. CONTRARY TO THE ABOVE, DURING THE PERIOD OF FEB 8-10, 1983, THE NRC INSPECTOR IDENTIFIED THE FOLLOWING THREE MERCURY COMPANY DRAWINGS WITH RED-LINE DRAWINGS THAT HAD GONE CONSIDERABLY MORE THAN 90 DAYS WITHOUT A NEW REVISION INCORPORATING THE CHANGES. DRAWING NO. 853-T-005A, REV 3, RED-LINE DATE RL-1 DTD FEB 5, 1982; DRAWING NO. 853-T-005A, REV 3, RED-LINE DATE RL-1 THRU 7 DTD FEB 15, 1982, THRU MAR 22, 1982; DRAWING NO. 853-T-008A, REV 2, RED-LINE DATE RL-1 DTD FEB 6, 1982 THRU APR 15, 1982.
041883	042183	292701B	2	-	-
120275	120575	292702B	2	-	-
010776	010976	292702B	2	-	-
020376	020676	292702B	1	-	-
021076	031276	292702B	2	-	-
032376	032676	292702B	1	-	-
051176	052176	292702B	4	-	-
081076	081276	292702B	1	-	-
092176	092476	292702B	2	-	-
101376	102276	292702B	2	-	-
121476	121676	292702B	2	-	-

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
020177	020477	292702B	1	-	-
030277	030477	292702B	1	-	-
033077	033177	292702B	1	-	-
042677	052777	292702B	2	-	-
080277	080577	292702B	1	-	-
110877	111177	292702B	1	-	-
010978	011278	292702B	1	-	-
040478	040778	292702B	2	-	-
051578	051978	292702B	1	-	-
061278	062378	292702B	1	-	-
090578	090878	292702B	2	-	-
111478	111778	292702B	2	-	-
121178	121478	292702B	1	-	-
012379	012679	292702B	2	2	FAILURE TO FOLLOW PROCEDURE - SURVEILLANCE OF WELDING PARAMETERS: CRITERION V OF APPENDIX B TO 10 CFR PART 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS, PROCEDURES, AND DRAWINGS. SECTION 6.1.14 OF T-B PROCEDURE, "VISUAL INSPECTION" TBP-26, REVISION D, STATES IN PART, "SURVEILLANCE OF WELDING PARAMETERS, IE., AMPERAGE, VOLTAGE, GAS FLOW RATE, ETC., WILL BE PERFORMED DAILY ON A RANDOM BASIS TO VERIFY CONFORMANCE WITH THE WELDING PROCEDURE BEING USED." CONTRARY TO THE ABOVE: THE WELDING PARAMETERS, PREHEAT AND INTERPASS TEMPERATURES, WERE NOT INCLUDED IN THE SURVEILLANCE CONDUCTED ON SAFETY RELATED PIPE WELDING ACTIVITIES DURING THE PERIOD DECEMBER 21, 1978, THROUGH JANUARY 25, 1979, AS VERIFIED IN A DISCUSSION WITH THE COGNIZANT WELDING SURVEILLANCE INSPECTOR.
043079	050379	292702B	1	-	-

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
052979	060179	292702B	1	-	-
061979	062279	292702B	1	-	-
081579	082479	292702B	1	-	-
081180	081580	292702B	2	-	-
022481	030681	292702B	3	D	<p>FAILURE TO CONTINUE CORRECTIVE ACTION COMMITMENT - WEEKLY SURVEILLANCE INSPECTION: DURING A PREVIOUS INSPECTION, IE INSPECTION REPORT NO. 50-382/80-06, DATED APRIL 4, 1980, THE NRC INSPECTOR IDENTIFIED AN ITEM OF NONCOMPLIANCE WHEREIN THE LICENSEE'S SUBCONTRACTOR FAILED TO FOLLOW CONTRACT PROCEDURES RELATIVE TO THE CARE AND MAINTENANCE INSTRUCTIONS (CMI'S) FOR THE CONTAINMENT PENETRATION ASSEMBLIES. THE LICENSEE RESPONDED TO THE ABOVE VIOLATION IN A LETTER DATED MAY 9, 1980. PARAGRAPH 2 OF THIS LETTER STATED, IN PART, "CORRECTIVE ACTION TAKEN TO PRECLUDE REPETITION," "QC WILL INCREASE SURVEILLANCE INSPECTIONS TO ENSURE THAT CMI REQUIREMENTS ARE BEING COMPLIED WITH. INSPECTIONS WILL BE CONDUCTED ON A WEEKLY BASIS AND THE RESULTS DOCUMENTED." CONTRARY TO THE ABOVE: DURING THIS INSPECTION, THE NRC INSPECTOR OBSERVED THAT THE SUBCONTRACTOR'S QC DEPARTMENT IMPLEMENTED WEEKLY SURVEILLANCE INSPECTIONS ON APRIL 4, 1980, THROUGH MAY 31, 1980, AND DOCUMENTED THEM ON TOMPKINS-BECKWITH'S FORM NO. GP-723-67, "IN-PLACE STORAGE SURVEILLANCE REPORTS." HOWEVER, THERE ARE NO RECORDS TO INDICATE THAT QC SURVEILLANCE INSPECTIONS OF CONTAINMENT PENETRATIONS WERE CONDUCTED FROM JUNE 1, 1980, TO THE PRESENT (NEITHER ON A WEEKLY NOR MONTHLY BASIS). FAILURE TO VERIFY OR EVALUATE THE ACCEPTABILITY OF INSPECTION AND TESTS RESULTS: LP&L'S COMMITMENT TO THE NRC GREEN BOOK, WASH 1309, DATED MAY 10, 1974, IS IDENTIFIED IN A LETTER (LPL-7109), LP&L TO NRC, DATED JUNE 23, 1977, AND IN THE LP&L QA MANUAL, SECTION 2.0, TABLE 2-1. THE GREEN BOOK, "GUIDANCE ON QUALITY ASSURANCE REQUIREMENTS DURING THE CONSTRUCTION PHASE OF NUCLEAR POWER PLANTS," CONTAINS THE "SUPPLEMENTARY QUALITY ASSURANCE REQUIREMENTS FOR INSTALLATION, INSPECTION AND TESTING OF MECHANICAL EQUIPMENT AND SYSTEM FOR THE CONSTRUCTION PHASE OF NUCLEAR POWER PLANTS," DRAFT ANSI N45.2.8 . SECTION 2.0 OF THE DRAFT STANDARD, "GENERAL REQ</p>

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
022481	030681	292702B	3	D	<p>UIREMENTS," SUBSECTION 2.3, "RESULTS," STATES, IN PART, "TEST REPORTS AND DATA SHEETS INCLUDE AN EVALUATION OF THE ACCEPTABILITY OF INSPECTION AND TEST RESULTS AND PROVIDE FOR IDENTIFYING THE INDIVIDUAL WHO PERFORMED THE EVALUATION." CONTRARY TO THE ABOVE: A. TOMPKINS-BECKWITH (T-B0 FORM GP-723-43, "TENSION TEST REPORTS," WHICH REFLECT TENSION TEST RESULTS FOR THE T-B PROCEDURE TBP-33, "PROCEDURE FOR INSPECTING DRILLED-IN EXPANSION TYPE ANCHORS IN SEISMIC CLASS I CONCRETE," WERE NOT EVALUATED FOR ACCEPTABILITY AT THE CONCLUSION OF THE INSPECTION/TESTING ACTIVITY DURING THE PERIOD FEBRUARY 27, 1978, THROUGH JANUARY 28, 1981. B. ALL TENSION TEST REPORTS WERE CONSIDERED COMPLETE AND WERE BEING RETAINED IN THE T-B QA/QC RECORDS STORAGE VAULT PRIOR TO FINAL TURNOVER TO THE LICENSEE. C. OF THE 115 TENSION TEST REPORTS REVIEWED BY THE T-B QA SUPERVISOR DURING THIS IE INSPECTION PERIOD, 111 REPORTS WERE FOUND TO HAVE UNACCEPTABLE DISCREPANCIES. D. THE T-B COGNIZANT REPRESENTATIVE INDICATED THAT T-B DOES NOT HAVE PROVISIONS IN THEIR QA PROGRAM PROCEDURES FOR EVALUATING THE ACCEPTABILITY OF INSPECTION AND TEST RESULTS, NOR PROVIDES THE IDENTITY OF AN INDIVIDUAL WHO WOULD PERFORM AN EVALUATION.</p>
032481	032781	292702B	1	-	-
120781	121181	292702B	1	-	-
030182	030582	292702B	2	-	-
051082	051382	292702B	4	-	-
040582	040882	292702B	2	-	-
032883	033183	292702B	1	-	-
041883	042183	292702B	2	-	-
112779	113079	292703B	1	-	-
061080	061380	292703B	1	-	-
061880	062780	292703B	1	-	-
072280	072580	292703B	1	-	-

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081180	081580	292703B	2	-	-
091680	101080	292703B	2	-	-
121680	121980	292703B	1	-	-
040781	041681	292704B	1	-	-
051881	052281	292704B	1	-	-
120275	120575	292705B	2	-	-
020376	020676	292705B	1	-	-
020177	020477	292705B	1	-	-
030277	030477	292705B	1	-	-
033077	033177	292705B	1	-	-
042677	052777	292705B	2	-	-
060877	062377	292705B	1	-	-
080277	080577	292705B	1	-	-
080481	080781	292705B	1	-	-
011083	012883	292706	1	-	-
020783	021183	292706	2	-	-
081076	081276	292706B	1	-	-
092176	092476	292706B	2	-	-
101376	102276	292706B	2	-	-
120176	120376	292706B	1	-	-
121476	121676	292706B	2	-	-
011177	011277	292706B	1	-	-
020177	020477	292706B	1	-	-

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FROM DATE	TO DATE	MODULE#	FIND-INGS	DEVIATION/SEVERITY	TEXT
030277	030477	292706B	1	-	-
033077	033177	292706B	1	-	-
042677	052777	292706B	2	-	-
060877	062377	292706B	1	-	-
080277	080577	292706B	1	-	-
083077	090277	292706B	2	-	-
092777	093077	292706B	2	-	-
101177	101477	292706B	1	-	-
102577	102877	292706B	2	-	-
110877	111177	292706B	1	-	-
120677	120977	292706B	1	-	-
121977	122277	292706B	2	-	-
010978	011278	292706B	1	-	-
021478	022478	292706B	2	-	-
031478	031778	292706B	1	-	-
040478	040778	292706B	2	-	-
051578	051978	292706B	1	-	-
061278	062378	292706B	1	-	-
071178	071478	292706B	2	3	-

FAILURE TO REPORT SAFETY SIGNIFICANT DEFICIENCY:
10 CFR PART 50.55, PARAGRAPH (E)(1), "CONDITIONS OF
CONSTRUCTION PERMIT" STATES IN PART, "...THE HOL
DER OF THE PERMIT SHALL NOTIFY THE COMMISSION OF E
ACH DEFICIENCY FOUND IN DESIGN AND CONSTRUCTION, W
HICH, WERE IT TO HAVE REMAINED UNCORRECTED, COULD
HAVE AFFECTED ADVERSELY THE SAFETY OF OPERATIONS O
F THE NUCLEAR PLANT AT ANY TIME THROUGHOUT THE EXP
ECTED LIFETIME OF THE PLANT, AND WHICH REPRESENTS:
...(II) A SIGNIFICANT DEFICIENCY IN FINAL DESIGN A
S APPROVED AND RELEASED FOR CONSTRUCTION SUCH THAT

FROM DATE	TO DATE	MODULE#	FIND-INGS	DEVIATION/SEVERITY	TEXT
071178	071478	292706B	2	3	<p>THE DESIGN DOES NOT CONFORM TO THE CRITERIA AND BASES STATED IN THE SAFETY ANALYSIS REPORT OR CONSTRUCTION PERMIT..." CONTRARY TO THE ABOVE, BY COPY OF A LETTER DATED OCTOBER 19, 1977, COMBUSTION ENGINEERING, INC. TO EBASCO SERVICES, INC. (C-CE-4696), THE LICENSEE WAS ADVISED OF A SIGNIFICANT FLOW PROBLEM EXPERIENCED IN THE HPSI SYSTEM OF A SIMILAR DESIGNED FACILITY WHICH WAS ATTRIBUTED TO EXCESSIVE PRESSURE DROP THROUGH SPECIFICALLY IDENTIFIED CONTROL VALVES. THE LETTER FURTHER STATES THAT, "THE REDUCTION IN FLOW WAS SERIOUS ENOUGH TO INVALIDATE THE SAFETY ANALYSIS (ECCS ANALYSIS 10 CFR 50 APPENDIX K)." IT WAS CONFIRMED IN DISCUSSIONS WITH THE LICENSEE THAT HPSI CONTROL VALVES OF THE SAME DESIGN AS DESCRIBED IN THE COMBUSTION ENGINEERING LETTER HAD BEEN SUPPLIED TO WATERFORD 3. THIS MATTER WAS NOT REPORTED TO THE NRC BY THE LICENSEE IN ACCORDANCE WITH 10 CFR 50.55(E).</p>
072578	072878	292706B	1	-	-
080778	081178	292706B	1	-	-
090578	090878	292706B	2	2	<p>FAILURE TO FOLLOW CONTRACT SPECIFICATION PROVISIONS RELATED TO FIRE PREVENTION: CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH PRESCRIBED INSTRUCTIONS, PROCEDURES AND DRAWINGS. SECTION D-7 OF CONTRACT W3-NY-16, "ERECTION OF MAIN AND MISCELLANEOUS STRUCTURAL STEEL AND PERFORMANCE OF RELATED WORK" APPLICABLE TO AMERICAN BRIDGE AND SIMILAR RESTRICTIONS IN OTHER CONTRACTS APPLICABLE TO OTHER CONSTRUCTION CONTRACTORS PRECLUDE THE USE OF WOOD AND OTHER FLAMMABLE MATERIALS WITHIN THE REACTOR CONTAINMENT UNLESS THE WOOD HAS BEEN TREATED WITH A FLAME RETARDANT. CONTRARY TO THE ABOVE: 1. ON SEPTEMBER 7, 1978, IT WAS OBSERVED: THAT TEMPORARY COVERS INSTALLED ON TWO FAN/COOLER UNITS STORED WITHIN THE CONTAINMENT STRUCTURE, WERE FABRICATED FROM PLYWOOD AND PLASTIC SHEETING NOT IDENTIFIED AS FLAME RETARDANT. SUBSEQUENT DISCUSSIONS WITH LP&L AND EBASCO PERSONNEL COULD NOT CONFIRM THAT THE TEMPORARY COVERS WERE FLAME RETARDANT. 2. IT WAS ALSO OBSERVED ON SEPTEMBER 7, 1978, THAT WOODEN PLANKING, BEING UTILIZED AS TEMPORARY SCAFFOLDING BY AMERICAN BRIDGE WITHIN THE CONTAINMENT, WAS NOT IDENTIFIED AS FLAME RETARDANT</p>

7 Corrected

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
090578	090878	292706B	2	2	WOOD. LICENSEE AND CONTRACTOR INVESTIGATION CONFIRMED THAT THE PLANKING WAS NOT TREATED FOR FIRE RETARDANCY.
091978	092278	292706B	2	2	FAILURE TO PROPERLY INSPECT STRUCTURAL WELDS: 10 CFR 50, APPENDIX B CRITERION X REQUIRES THAT A PROGRAM FOR INSPECTION OF ACTIVITIES AFFECTING QUALITY BE EXECUTED TO VERIFY CONFORMANCE WITH PROCEDURE S. THE AMERICAN BRIDGE PROCEDURE NO. 6, REV. E, PARAGRAPH 6.8.2 REQUIRES THAT WELD PROFILES BE AS SHOWN IN FIGURE 3.6 OF THE AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE D1.1 AND THAT UNDER CUT BE NO GREATER THAN 0.03 INCHES. CONTRARY TO THE ABOVE: ONE FULL PENETRATION WELD AND TWO FILLET WELDS, AT ELEVATION (-)4' IN THE CONTAINMENT BUILDING STRUCTURE STEEL, HAD BEEN VISUALLY INSPECTED AND ACCEPTED BY AMERICAN BRIDGE, BUT WERE FOUND TO HAVE UNDERCUT OF APPROXIMATELY .06 INCHES AND OVERLAP AND SLAG IN EXCESS OF THE ACCEPTANCE CRITERIA SPECIFIED IN AMERICAN BRIDGE PROCEDURE NO. 6 AND THE AWS STRUCTURAL WELDING CODE D1.1.
101678	102778	292706B	1	-	-
111478	111778	292706B	2	-	-
112878	120178	292706B	1	-	-
010979	011279	292706B	1	-	-
012379	012679	292706B	2	-	-
022679	030979	292706B	2	-	-
032079	032379	292706B	2	-	-
043079	050379	292706B	1	-	-
052979	060179	292706B	1	-	-
061979	062279	292706B	1	-	-
071079	071379	292706B	1	-	-
081579	082479	292706B	1	-	-
092679	092879	292706B	1	-	-

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
103079	110279	292706B	1	-	-
112779	113079	292706B	1	-	-
012980	020180	292706B	1	-	-
022580	022880	292706B	2	-	-
031180	031480	292706B	1	-	-
031880	032180	292706B	2	-	-
040780	041080	292706B	1	-	-
042180	042580	292706B	4	2	<p>FAILURE TO FOLLOW CONTRACT PROCEDURES RELATIVE TO THE CARE OF SAFETY-RELATED PIPING CRITERION V OF APPENDIX B TO 10 CFR 50 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. SECTION P.9 OF THE EBASCO CONTRACT SPECIFICATION FOR TOMPKINS-BECKWITH, CONTRACT NO. W3-NY-11, REQUIRES THAT THE CONTRACTOR ABIDE BY THE GUIDELINE PROVISIONS OF ANSI N45.2.2, "PACKAGING, SHIPPING, RECEIVING, STORAGE, AND HANDLING OF ITEMS FOR NUCLEAR POWER PLANTS." SECTION 6.1.1 REQUIRES THAT DURING CONSTRUCTION THE POSSIBILITY OF DAMAGE TO MATERIALS OR COMPONENTS OR THE LOWERING OF QUALITY DUE TO CORROSION, CONTAMINATION, OR DETERIORATION BE MINIMIZED. ALSO, SECTION 6.1.2 REQUIRES THAT ITEMS SUCH AS PIPING BE STORED ON CRIBBING OR EQUIVALENT TO ALLOW FOR AIR CIRCULATION AND TO AVOID TRAPPING WATER. CONTRARY TO THE ABOVE: ON APRIL 23, 1980, DURING A BACKSHIFT INSPECTION, THE IE INSPECTOR OBSERVED THREE SPOOLS OF COMPONENT COOLING WATER PIPING LYING DIRECTLY ON THE CONCRETE FLOORING IN THE REACTOR CONTAINMENT BUILDING AT ELEVATION 0. THE PIPING (3CC-10-13A/B-1, 3CC-10-57 AND 3CC-10-33B-22-1) WAS NOT SEGREGATED FROM THE STORAGE OF OTHER MATERIALS TO MINIMIZE DAMAGE. THESE OTHER MATERIALS INCLUDED REINFORCING STEEL, TOOLS, PIECES OF SCAFFOLDING, AND OTHER ITEMS APPARENTLY USED BY THE CONSTRUCTION TRADES WORKING IN THE AREA.</p>

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FROM DATE	TO DATE	MODULE#	FIND- INGS	DEVIATION/ SEVERITY	TEXT
060280	060580	292706B	2	-	-
072880	073180	292706B	1	-	-
081180	081580	292706B	2	-	-
092380	092680	292706B	1	-	-
111780	112080	292706B	1	-	-
020281	020581	292706B	1	-	-
022481	030681	292706B	3	-	-
032481	032781	292706B	1	-	-
040781	041681	292706B	1	-	-
041381	041681	292706B	1	-	-
042781	050181	292706B	1	-	-
052881	052981	292706B	1	-	-
070681	071081	292706B	2	-	-
080481	080781	292706B	1	-	-
081081	081481	292706B	1	-	-
082581	082781	292706B	1	-	-
091481	091781	292706B	1	-	-
101981	102281	292706B	1	-	-
110281	110681	292706B	2	-	-
120781	121181	292706B	1	-	-
010482	010782	292706B	1	-	-
030182	030582	292706B	2	-	-
051082	051382	292706B	4	-	-
040582	040882	292706B	2	-	-

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FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
041682	051582	292706B	1	-	-
071282	073082	292706B	1	-	-
081682	082082	292706B	2	-	-
080982	081382	292706B	1	-	-
092082	092482	292706B	1	-	-
091682	103182	292706B	2	-	-
121382	121682	292706B	1	-	-
0111783	012183	292706B	1	-	-
022883	031183	292706B	2	-	-
032883	033183	292706B	1	-	-
041883	042183	292706B	2	-	-
062783	070183	292706B	1	-	-
103183	110383	292706B	1	-	-
061880	062780	292715B	1	-	-
031881	031981	294600C	1	-	-
091978	092278	294702B	2	-	-
011281	011581	294702B	1	-	-
101079	101279	330301B	1	-	-
101079	101279	330703B	1	-	-
011680	011880	330703B	1	-	-
042980	050180	330703B	1	-	-
062380	062780	330703B	1	-	-
071480	081580	330703B	1	-	-

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FROM DATE	TO DATE	MODULE#	FIND- INGS	DEVIATION/ SEVERITY	TEXT
081680	091580	330703B	1	-	-
091680	101580	330703B	1	-	-
101680	111580	330703B	1	-	-
111680	121580	330703B	1	-	-
011680	021581	330703B	1	-	-
021680	031581	330703B	1	-	-
031681	041581	330703B	1	-	-
041681	051581	330703B	1	-	-
051681	061581	330703B	2	-	-
061681	071581	330703B	2	-	-
071681	081581	330703B	1	-	-
081681	091581	330703B	2	-	-
091681	101581	330703B	2	-	-
101681	111581	330703B	2	-	-
111681	121581	330703B	2	-	-
121681	021582	330703B	2	-	-
030582	030982	330703B	1	-	-
021682	031582	330703B	2	-	-
031682	041582	330703B	2	-	-
042682	043082	330703B	1	-	-
050382	050782	330703B	1	-	-
041682	051582	330703B	1	-	-
051682	071582	330703B	2	-	-
071682	091582	330703B	1	-	-

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FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
091682	103182	330703B	2	-	-
110182	113082	330703B	1	-	-
010183	013183	330703B	1	-	-
011783	012183	330703B	1	-	-
012483	012883	330703B	1	-	-
022283	030483	330703B	1	-	-
022883	030383	330703B	1	-	-
021683	021783	330703B	1	-	-
020183	022883	330703B	1	-	-
030183	043083	330703B	1	-	-
050183	053183	330703B	2	-	-
060183	063083	330703B	2	-	-
062783	070183	330703B	1	-	-
071183	071583	330703B	1	-	-
062783	070183	330703B	4	-	-
070183	083183	330703B	1	-	-
080283	080583	330703B	1	-	-
090183	093083	330703B	1	-	-
121680	011581	330703C	1	-	-
121681	021582	335301	2	-	-
041682	051582	335301	1	-	-
051682	071582	335301	2	3	-

VIOLATION ASSESSED CIVIL PENALTY: 10 CFR 50 APPEND
IX B, CRITERION II, REQUIRES THAT, "THE QUALITY ASSURANCE PROGRAM SHALL PROVIDE CONTROL OVER ACTIVITIES AFFECTING THE QUALITY OF THE IDENTIFIED STR

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
051682	071582	335301	2	3	<p>UCTURES, SYSTEMS, AND COMPONENTS TO AN EXTENT CONSISTENT WITH THEIR IMPORTANCE TO SAFETY. ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED UNDER SUITABLY CONTROLLED CONDITIONS." CONTRARY TO THE ABOVE! LOUISIANA POWER AND LIGHT COMPANY FAILED TO ADEQUATELY CONTROL ACTIVITIES AFFECTING THE QUALITY OF SAFETY-RELATED WORK. SPECIFICALLY, LP&L FAILED TO ENSURE THAT EBASCO SERVICES, INC., AS CONSTRUCTION MANAGER, WAS ADEQUATELY CONTROLLING THE QUALITY OF SAFETY SYSTEMS AND PROVIDING THE COMPLETE AND ACCURATE DOCUMENTATION OF QUALITY REQUIRED FOR THESE SYSTEMS. THIS FAILURE IS ILLUSTRATED BY THE FACT THAT ON APRIL 30, MAY 20, MAY 22, AND JUNE 22, 1982, EBASCO QA SIGNED FOUR ASP-IV-50-6 FORMS INDICATING THAT FOUR SAFETY SYSTEMS WERE READY FOR TURNOVER TO LP&L. THESE SAFETY SYSTEMS WERE CONTAINMENT SPRAY, LOW PRESSURE SAFETY INJECTION, SAFETY INJECTION TANKS, AND HIGH PRESSURE SAFETY INJECTION. THE PERTINENT FABRICATION AND INSTALLATION RECORDS SPECIFIED THAT THESE SYSTEMS WERE READY FOR TURNOVER. SUBSEQUENTLY, THE LP&L CONSTRUCTION QA AND STARTUP ORGANIZATIONS REJECTED ALL FOUR SYSTEM TURNOVER PACKAGES DUE TO NUMEROUS FINDINGS WHICH THE QUALITY RECORDS AND EXCEPTION LISTS DID NOT ACCURATELY IDENTIFY. THESE FINDINGS INCLUDED PREVIOUSLY UNIDENTIFIED INSTALLATION ERRORS, AS-BUILT DRAWINGS THAT DID NOT MATCH ACTUAL FIELD INSTALLATION, FIELD INSTALLATIONS WHICH INCLUDED WORK THAT WAS NOT IN COMPLIANCE WITH PROCEDURES AND SPECIFICATIONS, QC INSPECTIONS THAT HAD NOT IDENTIFIED UNACCEPTABLE FIELD INSTALLATIONS, AND QC RECORDS THAT WERE NOT CONSISTENT WITH CURRENT AS-BUILT DRAWINGS. THESE DEFICIENCIES IN THE CONTROL OF ACTIVITIES AFFECTING QUALITY SHOULD HAVE BEEN IDENTIFIED BY LP&L PRIOR TO SYSTEM TURNOVER. THIS IS A SEVERITY LEVEL III VIOLATION (SUPPLEMENT II) CIVIL PENALTY - \$20,000</p>
071682	091582	335301	1	-	-
091682	103182	335301	2	-	-
110182	113082	335301	1	-	-
050183	053183	335301	2	-	-
060183	063083	335301	2	-	-

FROM DATE	TO DATE	MODULE#	FIND-INGS	DEVIATION/SEVERITY	TEXT
090183	093083	335301	1	-	-
041681	051581	335301B	1	-	-
031681	041581	335301C	1	-	-
051681	061581	335301C	2	-	-
071681	081581	335301C	1	-	-
081681	091581	335301C	2	-	-
011680	011880	336301B	1	-	-
042980	050180	336301B	1	-	-
062380	062780	336301B	1	-	-
071480	081580	336301B	1	-	-
081680	091580	336301B	1	-	-
091680	101580	336301B	1	-	-
101680	111580	336301B	1	-	-
111680	121580	336301B	1	-	-
011680	021581	336301B	1	-	-
021680	031581	336301B	1	-	-
031681	041581	336301B	1	-	-
081681	091581	336301B	2	-	-
091681	101581	336301B	2	-	-
111681	121581	336301B	2	-	-
071682	091582	336301B	1	-	-
091682	103182	336301B	2	-	-
090183	093083	336301B	1	-	-

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
051682	071582	337301	2	-	-
030183	043083	337301	1	-	-
051682	071582	339301B	2	-	-
041681	051581	340301B	1	-	-
051681	061581	340301B	2	-	-
061681	071581	340301B	2	-	-
081681	091581	340301B	2	-	-
070183	083183	340301B	1	-	-
121681	021582	341301	2	-	-
020183	022883	341301	1	-	-
050183	053183	341301	2	5	FAILURE TO FOLLOW PROCEDURES DURING STARTUP TESTING: CRITERION V OF 10 CFR 50, APP B, REQUIRES THAT AT ACTIVITIES AFFECTING QUALITY BE ACCOMPLISHED IN ACCORDANCE WITH PRESCRIBED INSTRUCTIONS OR PROCEDURES. STARTUP ADMINISTRATIVE PROCEDURE (SAP-20), "ORIENTATION, TRAINING, QUALIFICATION AND CHECKOUT OF STARTUP PERSONNEL" SECTION 4.2.2 REQUIRES THAT TRAINING SHALL BE REQUIRED FOR PERSONNEL WHO PERFORM INSPECTION, EXAMINATION, AND TESTING ACTIVITIES THAT ASSURE THE QUALITY OF COMPONENTS IN THE STARTUP PHASE. ALSO, SECTION 4.3.2.1 REQUIRES THAT TECHNICIANS BE FAMILIAR WITH THE TOOLS TO BE USED AND DEMONSTRATE PROFICIENCY IN THEIR USE. CONTRARY TO THE ABOVE, ON MAY 17, 1983, THE NRC RESIDENT INSPECTOR OBSERVED THAT TWO LP&L MECHANICAL MAINTENANCE PERSONNEL WERE ATTEMPTING TO OBTAIN VIBRATION READINGS ON SAFETY-RELATED CCW MAKEUP PUMP A. NEITHER OF THE INDIVIDUALS WAS FAMILIAR WITH THE TASK ASSIGNED, AS THEY DID NOT KNOW HOW TO PROPERLY READ THE INSTRUMENT.
060183	063083	341301	2	-	-
091682	103182	341301B	2	-	-
062783	070183	341301B	4	5	10 CFR PART 50, APP B, CRITERION V STATES IN PART, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIB

FROM DATE	TO DATE	MODULE#	FIND-INGS	DEVIATION/SEVERITY	TEXT
062783	070183	341301B	4	5	ED BY DOCUMENTED INSTRUCTIONS, PROCEDURES...AND S HALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES..." PMD-TR-014, "PROGRAM DESCRIPTION FOR ENGINEERING TRAINING," STATES IN PART, "A SCHEDULE FOR THE NEW EMPLOYEE'S TRAINING IS DEVELOPED. THE INDIVIDUAL TRAINING SCHEDULE, WITH THE ASSOCIATED DESCRIPTION, IS TRANSMITTED TO THE EMPLOYEE SO THAT HE/SHE UNDERSTANDS THE DUTIES, RESPONSIBILITIES, AND REQUIRED KNOWLEDGE/SKILLS..." CONTRARY TO THE ABOVE, INDIVIDUAL TRAINING SCHEDULES WERE NOT TRANSMITTED TO EACH EMPLOYEE OF THE ENGINEERING DEPARTMENT.
062783	070183	341301B	4	D	IN THE FINAL SAFETY ANALYSIS REPORT FOR WATERFORD 3, LOUISIANA POWER & LIGHT COMPANY STATED, "PERSONNEL QUALIFICATIONS AND TRAINING FOR ALL PLANT STAFF POSITIONS WILL MEET THE REQUIREMENTS OF ANSI /ANS3.1-1978." THIS SPECIFIC REQUIREMENT IS ALSO REITERATED IN PARAGRAPH 13.2.1.4 OF THE FINAL SAFETY ANALYSIS REPORT. IN THE DEVIATION FROM THE ABOVE, IT WAS FOUND ON JUNE 29, 1983, THAT THE "PROGRAM DESCRIPTION FOR GENERAL EMPLOYEE TRAINING" PMD-TR-002, REV 0, DATED FEB 17, 1983, DID NOT ADDRESS TRAINING IN "JOB RELATED PROCEDURES AND INSTRUCTIONS."
031681	041581	341301C	1	-	-
041681	051581	341301C	1	-	-
081681	091581	341301C	2	-	-
021680	031581	342400B	1	-	-
030183	043083	342400B	1	-	-
030183	043083	342450B	1	-	-
090183	093083	342450B	1	-	-
060183	063083	342451B	2	-	-
071681	081581	342452B	1	-	-
030183	043083	342452B	1	-	-
050183	053183	342452B	2	-	-

FROM DATE	TO DATE	MODULE#	FIND- INGS	DEVIATION/ SEVERITY	TEXT
060183	063083	342452B	2	-	-
041682	051582	360501B	1	-	-
020183	022883	360501B	1	-	-
070183	083183	360501B	1	-	-
021680	031581	370300B	1	-	-
121681	021582	370300B	2	-	-
051682	071582	370300B	2	-	-
120182	123182	370300B	1	-	-
011680	011880	370301B	1	-	-
042980	050180	370301B	1	-	-
062380	062780	370301B	1	-	-
071480	081580	370301B	1	-	-
081680	091580	370301B	1	-	-
091680	101580	370301B	1	-	-
111680	121580	370301B	1	-	-
121680	011581	370301B	1	-	-
011680	021581	370301B	1	-	-
041681	051581	370301B	1	-	-
051681	061581	370301B	2	-	-
061681	071581	370301B	2	-	-
071681	081581	370301B	1	-	-
091681	101581	370301B	2	-	-
121681	021582	370302	2	-	-

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FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
051682	071582	370302	2	-	-
110182	113082	370302	1	-	-
010183	013183	370302B	1	-	-
071681	081581	370302C	1	-	-
021680	031581	370303B	1	-	-
121681	021582	370303B	2	-	-
010183	013183	370303B	1	-	-
020183	022883	370303B	1	-	-
071682	091582	370304B	1	-	-
050183	053183	370305B	2	-	-
090183	093083	370305B	1	-	-
030183	043083	370307B	1	-	-
060183	063083	370307B	2	-	-
010183	013183	370308B	1	-	-
020183	022883	370308B	1	-	-
030183	043083	370311B	1	-	-
051682	071582	370312	2	-	-
020183	022883	370312B	1	-	-
050183	053183	370312B	2	-	-
060183	063083	370312B	2	-	-
070183	083183	370312B	1	-	-
090183	093083	370312B	1	-	-
030183	043083	370313B	1	-	-
060183	063083	370313B	2	-	-

FROM DATE	TO DATE	MODULE#	FIND-INGS	DEVIATION/SEVERITY	TEXT
030183	043083	370314	1	-	-
020183	022883	370314B	1	-	-
071682	091582	370315B	1	-	-
030183	043083	370317B	1	-	-
090183	093083	370317B	1	-	-
060183	063083	370320B	2	-	-
030183	043083	370329B	1	-	-
010183	013183	370338B	1	-	-
021680	031581	370340B	1	-	-
121681	021582	370341B	2	-	-
081681	091581	370343B	2	-	-
091681	101581	370343B	2	-	-
111681	121581	370343B	2	-	-
121681	021582	370343B	2	5	-

CRITERION V OF 10CFR50, APP B, STATES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND THAT THESE ACTIVITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE SAID INSTRUCTIONS, PROCEDURES OR DRAWINGS. SAP-37, "JOINT TEST GROUP" (JTG) PROCEDURE REQUIRES THAT THE JTG REVIEW PREOPERATIONAL (PHASE II) TEST PROCEDURES AND THAT DURING THESE REVIEWS THE JTG WILL ENSURE THE ADEQUACY OF DESIGNATED TECHNICAL REVIEWS. DESIGNATED TECHNICAL REVIEWERS ARE REQUIRED BY SAP-11 TO VERIFY THAT THE PROCEDURE CONTENT IS CONSISTENT WITH THE TEST OBJECTIVES, REGULATORY REQUIREMENTS, AND COMMITMENTS. CONTRARY TO THE ABOVE, THE NRC INSPECTOR OBSERVED DURING A PROCEDURE REVIEW THAT PREOP TEST PROCEDURE SPO-59-001 WAS NOT CONSISTENT WITH THESE OBJECTIVES, REGULATORY REQUIREMENTS OR COMMITMENTS. SEVERAL EXAMPLES IDENTIFIED DURING THE REVIEW CONDUCTED BETWEEN 8/31/81 TO 1/11/82 ARE LISTED BELOW: 1.

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
121681	021582	370343B	2	5	<p>SECT 14.2.12.2.48.3.H OF FSAR STATES THAT THE PHASE II TEST FOR CONTAINMENT SPRAY WILL VERIFY AN UNOBSTRUCTED FLOW PATH, USING WATER AND AIR WITH OVERLAPPING FLOW PATHS. CONTRARY TO THIS, PREOP TEST PROCEDURE SPO-59-001, "CONTAINMENT SPRAY" DID NOT CHECK FLOW-THRU VALVE 2CS-F305A EITHER WATER OR AIR. IN ADDITION, THE VALVE LINE-UP DID NOT LIST SEVERAL VALVES THAT ARE IN THE FLOW PATH OR BOUNDARIES TO THE FLOW PATH. 2. SECT 14.2.4 OF THE FSAR REQUIRES THAT EACH PROCEDURE WILL INCLUDE PROVISIONS TO ENSURE THAT PREREQUISITES MET. CONTRARY TO THE ABOVE, THIS PREOP PROCEDURE DID NOT REFERENCE OR LIST PREREQUISITES TEST PROCEDURES SFL-59-001 AND SFL-59-002, OR SFG-59-001. ALSO, THE STATUS OF THE REACTOR COOLANT SYSTEM IS NOT ADDRESSED BY THIS PROCEDURE. QP 11.1, "TEST CONTROL" PROCEDURE REQUIRES THAT WRITTEN PROCEDURES FOR CONDUCTING TESTS SHALL BE SUFFICIENTLY DETAILED TO ENABLE QUALIFIED PERSONNEL TO PERFORM ALL REQUIRED TASKS. CONTRARY TO THIS, THE PREOP TEST PROCEDURE, SPO-59-001 FOR CONTAINMENT SPRAY DOES NOT IDENTIFY THE INSTRUMENTS AND SWITCHES ON THE ENGINEERING SAFETY FEATURES PANEL (CP-8) BY THE SAME IDENTIFICATION NUMBER AND/OR DESCRIPTION THAT THEY ARE LABELED WITH ON THE PANEL.</p>
020183	022883	370347B	1	-	-
041682	051582	370350B	1	-	-
051682	071582	370350B	2	-	-
021682	031582	370370B	2	-	-
031682	041582	370370B	2	4	<p>ACCOMPLISHING WORK ON SAFETY-RELATED PIPING INSTALLATIONS WITHOUT DOCUMENTATION. CRITERION V OF 10CFR50, APP B, REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE ACCOMPLISHED IN ACCORDANCE WITH PRESCRIBED INSTRUCTIONS OR PROCEDURES. CONTRARY TO THIS REQUIREMENT, SAFETY-RELATED COMPONENT COOLANT WATER PIPING SWAY STRUTS, CC-RR-162 AND CC-RR-1662 WERE OBSERVED ON APR 10, 1982 TO BE DISCONNECTED AT ONE END. TOMPKINS-BECKWITH RECORDS SHOWED THESE SWAY STRUTS TO BE COMPLETED AT THAT TIME AND DID NOT INDICATE THAT ANY WORK WAS IN PROGRESS ON THEM OR THAT THE SWAY STRUT REMOVAL HAD</p>

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
031682	041582	370370B	2	4	BEEN ACCOMPLISHED IN ACCORDANCE WITH PRESCRIBED INSTRUCTIONS OR PROCEDURES. FAILURE TO FOLLOW PROCEDURES FOR ACCOMPLISHING WORK ON SAFETY-RELATED PIPING INSTALLATIONS: CRITERION V OF 10CFR50, APP B, REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE ACCOMPLISHED IN ACCORDANCE WITH PRESCRIBED INSTRUCTIONS OR PROCEDURES. FIELD CHANGE REQUEST NO. FCR-CH-1156, R2, TO SPEC LOU 1564.468, R1, REQUIRES THAT THE MINIMUM DISTANCE FROM CONCRETE EDGES FOR DRILLED-IN EXPANSION BOLTS SHALL BE FIVE-BOLT DIAMETERS. CONTRARY TO THIS, AN EXPANSION ANCHOR BOLT IN THE NORTHEAST ANCHOR PLATE FOR SAFETY-INJECTION PIPING SPRING HANGER SI-SH-52 LOCATED IN SAFETY INJECTION ROOM 'A' OF THE RAB ON THE -E5 FT LEVEL DOES NOT MEET THE MINIMUM REQUIREMENT OF FIVE-BOLT DIAMETERS SPACING FROM THE CONCRETE EDGE.
010183	013183	370433B	1	-	-
020183	022883	370433B	1	-	-
070183	083183	370434B	1	-	-
090183	093083	370434B	1	-	-
010183	013183	370438B	1	-	-
020183	022883	370438B	1	-	-
030183	043083	370438B	1	-	-
050183	053183	370439B	2	-	-
071681	081581	370440B	1	-	-
081681	091581	370440B	2	4	CRITERION V, 10CFR50, APP B, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY PROCEDURES AND THAT THESE ACTIVITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE PROCEDURES. (A) "STATION BATTERY WEEKLY MAINTENANCE" ME-4-201, AND "STATION BATTERY QUARTERLY MAINTENANCE" ME-4-211, REQUIRE THAT THE CELLS OF THE STATION BATTERIES NOT BE OVERFILLED. CONTRARY TO THE ABOVE, ON 8/17/81, THE NRC INSPECTORS OBSERVED THAT THE CELLS OF STATION EMERGENCY BATTERIES A, B AND A/B HAD BEEN OVERFILLED. (B) "STATION BATTERY WEEKLY MAINTENANCE" ME-4

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
081681	091581	370440B	2	4	-201, AND "STATION BATTERY QUARTERLY MAINTENANCE" ME-4-211, REQUIRE THAT MINOR DEFICIENCIES THAT CAN BE CORRECTED, BE CORRECTED AND THAT MAJOR DEFICIENCIES BE IDENTIFIED ON A CONDITION IDENTIFICATION WORK AUTHORIZATION (CIWA) FOR EVALUATION AND REPAIR. CONTRARY TO THE ABOVE, ON 8/17/81, THE NRC INSPECTOR OBSERVED THAT A CIWA HAD NOT BEEN WRITTEN FOR THE A BATTERY. (C) STARTUP ADMINISTRATIVE PROCEDURE SAP-08, "CONDITION IDENTIFICATION AND CORRECTIVE ACTION" REQUIRES THAT QC REVIEW EACH CIWA PER UNIT-1-007, "PREPARATION AND PROCESSING DISCREPANCY NOTICES AND NONCONFORMANCE REPTS." CIWA 810990 WAS NOT REVIEWED BY QC AND CIWA 810775 WAS IMPROPERLY REVIEWED.
101681	111581	370440B	2	-	-
111681	121581	370441B	2	-	-
121681	021582	370441B	2	-	-
071682	091582	370443B	1	-	-
020183	022883	370443B	1	-	-
020183	022883	370447B	1	-	-
060183	063083	370454B	2	-	-
070183	083183	370454B	1	-	-
060183	063083	370547B	2	-	-
120182	123182	371301B	1	-	-
121681	021582	371302	2	-	-
021682	031582	371302	2	5	CRITERION V OF 10CFR 50, APP B, STATES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND THAT THESE ACTIVITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. EBASCO CARE AND MAINTENANCE INSTRUCTIONS REQUIRE THAT EQUIPMENT BE PROTECTED FROM DAMAGE. CONTRARY TO THE ABOVE, THE NRC INSPECTOR OBSERVED ON MARCH 14, 1982, THAT THE FOLLOWING CONDITIONS EXISTED: 1. CA

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
021682	031582	371302	2	5	BLES ENTERING EMERGENCY DIESEL GENERATOR, 3B-S, G ENERATOR CONTROL AND RELAY PANEL THRU A VERTICAL CONDUIT RUN IN THE FLOOR OF THE CABINET APPEAR TO HAVE BEEN STEPPED ON IN THAT THE CABLE INSULATION WAS FLATTENED WHERE IT EXITED FROM THE CONDUIT. THE CABLES ARE UNPROTECTED FROM THE CONDUIT TO TH E TERMINAL BOARD AREA ON THE SIDE OF THE PANEL. T HE CABLES ARE 32366J-5B, 32366G-5B, AND 32366F-5B (2 CABLES). 2, JUNCTION BOX COVERS WERE NOT INST ALLED ON EMERGENCY DIESEL GENERATOR 3B-S, JUNCTIO N BOXES JB-1 AND JB-2.
041682	051582	371302	1	-	-
051682	071582	371302	2	-	-
091682	103182	371302	2	5	FAILURE TO FOLLOW PROCEDURES DURING THE STEAM GEN ERATOR HYDROSTATIC TEST: CRITERION V OF 10 CFR 50 , APPENDIX B, REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE ACCOMPLISHED IN ACCORDANCE WITH PRESCR IBED INSTRUCTIONS OR PROCEDURES. 1. PROCEDURES SI T-TP-125, "STEAM GENERATOR HYDROSTATIC TEST," SEC TION 7.2.1.2.1 REQUIRES THAT A 2-INCH FIREHOSE BE ATTACHED TO THE VENT RIG FITTING AT 2MS-V668-1 (C MS-101A). THE HOSE WAS TO BE ROUTED TO THE CONTA INMENT SUMP TO ALLOW THE EXCESS WATER TO BE COLLE CTED. CONTRARY TO THE ABOVE, THE 2-INCH FIREHOSE WAS NOT ATTACHED TO THE VENT RIG FITTING AND, AS A RESULT, WHEN STEAM GENERATOR 1 WAS TOPPED OFF A SUBSTANTIAL AMOUNT OF WATER WAS ALLOWED TO SPRAY INTO THE CONTAINMENT. 2. PRIOR TO STEAM GENERATO R 1 PRESSURIZATION, SECTION 7.2.1.3.5 OF THE SAME PROCEDURE CALLED FOR THE MANUAL VENT ON THE TEMP ORARY RELIEF/HEISE GAUGE RIG TO BE SHUT WHEN WATE R ISSUED FROM STEAM GENERATOR 1. ATTACHMENT 8.1.5 OF PROCEDURE SIT-TP-125 SHOWS THE MANUAL VENT (S G1) IS UPSTREAM OF THE RUPTURED DISK. CONTRARY TO THE ABOVE, THE MANUAL VENT (SG1) WAS NOT SHUT BU T INSTEAD, VENT (SG3), WHICH IS DOWNSTREAM OF THE RUPTURE DISK, WAS SHUT. THE RESULT OF THIS ACTIO N WAS THE RUPTURE DISK RUPTURED AND WATER WAS SPR AYED INTO THE CONTAINMENT BECAUSE IT HAD NOT BEEN VALVED OUT AS INTENDED BY THE PROCEDURE.
110182	113082	371302	1	-	-
120182	123182	371302	1	-	-

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FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
010183	013183	371302	1	-	-
020183	022883	371302	1	-	-
030183	043083	371302	1	-	-
050183	053183	371302	2	-	-
060183	063083	371302	2	5	FAILURE TO FOLLOW PROCEDURE FOR REACTOR VESSEL STUD REMOVAL: CRITERION V OF 10 CFR 50, APP B, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PERFORMED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. LOUISIANA POWER & LIGHT COMPANY PLANT OPERATING MANUAL PROCEDURE MM-8-014, REV 0, "REACTOR VESSEL HEAD STUD REMOVAL" PARAGRAPH 8.5, DIRECTS THE SPECIFIC USE OF A STUD WRENCH AND OTHER TOOLS SUPPLIED BY COMBUSTION ENGINEERING, INC. FOR STUD REMOVAL. CONTRARY TO THE ABOVE, ON JUNE 7, 1983, THE NRC INSPECTOR OBSERVED STUD REMOVAL PERFORMED WITH DIAMOND POWER SPECIALTY CORP AIR-POWERED STUD HANDLING TOOLS RATHER THAN THE COMBUSTION ENGINEERING TOOLS THAT ARE SPECIFICALLY DESIGNATED IN PROCEDURE MM-8-014, REV 0. THERE WAS NO TEMPORARY PROCEDURAL CHANGE MADE TO ACCOMMODATE DEVIATION FROM THE ESTABLISHED PROCEDURE.
070183	083183	371302	1	-	-
090183	093083	371302	1	-	-
081680	091580	371302C	1	-	-
091680	101580	371302C	1	-	-
101680	111580	371302C	1	-	-
111680	121580	371302C	1	-	-
121680	011581	371302C	1	-	-
011680	021581	371302C	1	-	-
021680	031581	371302C	1	-	-

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
031681	041581	371302C	1	-	-
041681	051581	371302C	1	-	-
051681	061581	371302C	2	-	-
061681	071581	371302C	2	5	CRITERION V OF THE 10 CFR 50, APPENDIX B, STATES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND THAT THESE ACTIVITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. STARTUP ADMINISTRATIVE PROCEDURE, SAP-10, TEMPORARY SYSTEM MODIFICATION, IN SECTION 4.4.4 REQUIRES THAT TEMPORARY SYSTEM MODIFICATION TAGS HAVE WRITTEN ON THEM, (1) THE DATE THE MODIFICATION WAS PERFORMED, (2) THE NAME OF THE PERSON MAKING THE MODIFICATION AND (3) THE MODIFICATION DESCRIPTION. CONTRARY TO THE ABOVE, ON JUNE 30, 1981 THE NRC INSPECTORS OBSERVED THAT TEMPORARY MODIFICATION TAGS 50A3, ITEMS 12 AND 32, LOCATED IN CABINETS 31 AND 40 RESPECTIVELY ON THE -15.5 LEVEL OF THE REACTOR AUXILIARY BUILDING (RAB) DID NOT INCLUDE THE DATE THE MODIFICATION WAS PERFORMED, THE NAME OF THE PERSON MAKING THE MODIFICATION DESCRIPTION. THIS IS A SEVERITY LEVEL V VIOLATION. (SUPPLEMENT I.E.).
071681	081581	371302C	1	-	-
081681	091581	371302C	2	5	CRITERION V OF 10CFR50, APP B, STATES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND THAT THESE ACTIVITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. EBASCO CARE AND MAINTENANCE INSTRUCTIONS (CMI) FOR THE SAFETY-RELATED EQUIPMENT REQUIRE THAT MOTOR SPACE HEATERS BE ENERGIZED, THAT EQUIPMENT BE PROTECTED FROM DAMAGE AND THAT DUST COVERS BE PROVIDED. CONTRARY TO THE ABOVE, ON SEPT 3 & 4, 1971, THE NRC INSPECTORS OBSERVED THAT: (A) MOTOR SPACE HEATERS WERE NOT ENERGIZED AS REQUIRED ON: LOW PRESSURE SAFETY INJECTION (LPSI) A, CONTAINMENT SPRAY PUMP B, CHARGING PUMPS (CVCS) A, B, AND A/B. (B) SIGHT GLASSES WERE BROKEN ON CHARGING PUMPS A & B. (C) DUST COVERS WERE MISSING FROM OPENINGS ON CONTAINMENT SPRAY PUMP MOTOR A.

FROM DATE	TO DATE	MODULE#	FINDINGS	DEVIATION/SEVERITY	TEXT
091681	101581	371302C	2	5	CRITERION V OF 10CFR 50 APP B STATES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY INSTRUCTIONS OR PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND THAT THESE ACTIVITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS OR PROCEDURES. EBASCO CARE AND MAINTENANCE INSTRUCTIONS (CMI) FOR THE SAFETY-RELATED EQUIPMENT REQUIRE THAT HEATERS BE ENERGIZED, EQUIPMENT BE PROTECTED FROM DAMAGE, DUST COVERS BE PROVIDED, AND VALVE OPENINGS BE PROTECTED UNTIL PIPING IS READY TO BE CONNECTED. CONTRARY TO THE ABOVE, THE NRC INSPECTORS OBSERVED AT VARIOUS TIMES DURING THE PERIOD OF SEPT 16 - OCT 15, 1981, THAT THE FOLLOWING CONDITIONS EXISTED: (A)MOTOR SPACE HEATERS WERE NOT ENERGIZED AS REQUIRED ON FOUR SAFETY-RELATED MOTOR OPERATED VALVES. (B)A WARM AIR BLOWER WAS NOT ENERGIZED AS REQUIRED FOR THE HEATER TERMINALS ON THE UNDERSIDE OF THE PRESSURIZER. (C)A TEMPERATURE DETECTOR WAS BROKEN OFF ON COMPONENT COOLING WATER PUMP B. (D)COMPONENT COOLING WATER PUMP A/B WAS NOT BEING PROTECTED: (1) A 1-1/2 LOAD-RATED COME-ALONG WAS LAYING ON THE PUMP. (2) A LADDER WAS PLACED ON THE PUMP'S MOTOR. (E)TERMINAL COVERS WERE NOT IN PLACE TO PROVIDE PROTECTION FOR FOUR SAFETY-RELATED MOTOR OPERATED VALVES. (F)DUST AND PROTECTIVE COVERS MISSING FROM EQUIPMENT.
101681	111581	371302C	2	-	-
111681	121581	371302C	2	-	-
031682	041582	371302C	2	-	-
071682	091582	371302C	1	-	-
101882	102082	380310B	1	-	-
101882	102082	380320B	1	-	-
082283	082683	380320B	1	-	-
011183	011283	382310B	1	-	-
052881	052981	383310B	1	-	-
0111783	012183	383315	1	-	-

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071183	071583	383315	1	-	-
030582	030982	383315B	1	-	-
052881	052981	384310B	1	-	-
042682	043082	384330B	1	-	-
012483	012883	384330B	1	-	-
062783	070183	384330B	1	-	-
042682	043082	384331B	1	-	-
012483	012883	384331B	1	-	-
062783	070183	384331B	1	-	-
050382	050782	384332B	1	-	-
022883	030383	384332B	1	-	-
121681	021582	391300B	2	-	-
120182	123182	391300B	1	-	-
030582	030982	392701B	1	-	-
041682	051582	392701B	1	-	-
011783	012183	392701B	1	-	-
022883	030383	392701B	1	-	-
071183	071583	392701B	1	-	-
021682	031582	392702B	2	-	-
031682	041582	392704B	2	-	-
050183	053183	392705B	2	-	-
101079	101279	392706B	1	-	-
011680	011880	392706B	1	-	-

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042980	050180	392706B	1	-	-
111680	121580	392706B	1	-	-
051681	061581	392706B	2	5	CRITERION V OF 10 CFR 50, APPENDIX B, STATES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND THAT THESE ACTIVITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. EBASCO CONSTRUCTION DRAWINGS LOU-1564 G-194 AND G-207 REQUIRE THAT PIPE SPOOLS 2 CH 3-80 A/B-12 AND 2 CH 3-80 A/B-11 BE SLEEVED WHERE THEY PASS THROUGH CONCRETE WALLS. CONTRARY TO THE ABOVE, ON JUNE 9, 1981, THE NRC INSPECTOR OBSERVED THAT THE ABOVE PIPE SPOOLS HAD BEEN INSTALLED WITHOUT PIPE SLEEVES AND THAT THEY WERE EMBEDDED IN THE CONCRETE WALLS.
061681	071581	392706B	2	6	CRITERION V OF 10 CFR 50, APPENDIX B, STATES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND THAT THESE ACTIVITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. THE WATERFORD-3 FSAR (17.2.6.2) AND QUALITY ASSURANCE MANUAL-PREOPERATIONAL AND OPERATIONAL PHASE REQUIRES THAT OBSOLETE OR SUPERCEDED DOCUMENTS SHALL BE CONTROLLED BY APPROVED WRITTEN PROCEDURES TO PREVENT INADVERTENT USE. CONTRARY TO THE ABOVE, ON JULY 13, 1981 THE NRC INSPECTOR OBSERVED THAT QP-1-002, STATION QC REVIEW OF SYSTEM RELEASE AND TURNOVER PACKAGES, WAS NOT CONTROLLED IN THAT NO APPROVED WRITTEN PROCEDURES EXISTED THAT DESCRIBED HOW THIS OBSOLETE PROCEDURE WAS TO BE CONTROLLED AND IT WAS AVAILABLE FOR USE IN THE PLANT OPERATING MANUAL FOR OVER THREE MONTHS AFTER IT WAS DELETED ON APRIL 3, 1981. THIS IS A SEVERITY LEVEL VI VIOLATION. (SUPPLEMENT I.F.).
071681	081581	392706B	1	-	-
081681	091581	392706B	2	-	-
091681	101581	392706B	2	-	-
101681	111581	392706B	2	4	CRITERION V OF 10CFR50, APP B, STATES THAT ACTIVI

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101681	111581	392706B	2	4	<p>ES AFFECTING QUALITY SHALL BE PRESCRIBED BY INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND THAT THESE ACTIVITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. (A) EBASCO PROCEDURE ASP-IV-18, "RECEIVING, STORAGE, ISSUING AND CONTROL OF WELDING ELECTRODES AND FILLER MATERIALS," REQUIRES THAT LOW HYDROGEN TYPE WELDING ELECTRODES (7018) SHALL BE STORED IN OVENS AT 225 DEG F, +25 DEG F, FOR A MINIMUM OF 8 HRS PRIOR TO ISSUE OR REISSUE. AT THE END OF EACH SHIFT, OR IF THE ELECTRODES ARE EXPOSED TO AMBIENT TEMPERATURE FOR MORE THAN 4 HRS, THE UNDAMAGED ELECTRODES ARE TO BE RETURNED TO THE OVENS. CONTRARY TO THE ABOVE, THE NRC INSPECTORS OBSERVED THAT ABOUT 50 UNUSED 7018 WELDING ELECTRODES HAD NOT BEEN RETURNED TO THE STORAGE OVENS AFTER THE END OF THE WORK SHIFT. THESE FINDINGS WERE MADE ON 10/20/81 AND 10/27/81. (B) ON 10/20/81 AND 10/27/81 THE NRC INSPECTORS ALSO DISCOVERED SEVERAL DAMAGED ELECTRODES AND STUBS. THESE FINDINGS ALSO INDICATE NOT FOLLOWING SECT 6.4.6 OF EBASCO PROCEDURE ASP-IV-18, "RECEIVING, STORAGE, ISSUING AND CONTROL OF WELDING ELECTRODES AND FILLER MATERIALS." WHICH REQUIRES THAT ELECTRODES OR ROD STUBS AND DAMAGED ELECTRODES BE DEPOSITED IN CONTROLLED CONTAINERS. CRITERION V OF 10CFR50, APP B, STATES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND THAT THESE ACTIVITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. SECT. 6.3.1.1 OF TOMPKINS-BECKWITH PROCEDURE TBP-29, "PIPING SYSTEM CLEANLINESS PROCEDURE" REQUIRES THAT DURING RECEIPT, TRANSPORTATION, HANDLING, AND INSTALLATION, OPENINGS AND PIPE ENDS SHALL BE SEALED AT ALL TIMES EXCEPT WHEN THEY MUST BE UNSEALED TO CARRY OUT NECESSARY OPERATIONS. CONTRARY TO THE ABOVE, FROM SEPT 23-OCT 28 1981, THE NRC INSPECTORS OBSERVED THAT BOTH THE SUCTION AND DISCHARGE LINES FOR FUEL POOL PUMP A HAD NOT BEEN SEALED. FURTHER INVESTIGATION BY THE NRC INSPECTORS REVEALED THAT THE PIPING HAD BEEN OPEN SINCE AUG 29, 1981 AND THAT ON SEPT 25, AND AGAIN ON OCT 9, 1981, THAT TOMPKINS-BECKWITH INSPECTORS HAD COMPLETED SURVEILLANCE REPORTS INDICATING THAT ALL COMPONENT OPENINGS IN THE AREA WERE CAPPED OR COVERED.</p>

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TEXT

111681	121581	392706B	2	5
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CRITERION V OF 10CFR50, APP B, STATES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND THAT THESE ACTIVITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE SE INSTRUCTIONS, PROCEDURES OR DRAWINGS. SECT 6.3 .1.1 OF TOMPKINS-BECKWITH PROCEDURE TBA-29, "PIPING SYSTEM CLEANLINESS PROCEDURE," REQUIRES THAT DURING RECEIPT, TRANSPORTATION, HANDLING, AND INSTALLATION, OPENINGS AND PIPE ENDS SHALL BE SEALED AT ALL TIMES EXCEPT WHEN THEY MUST BE UNSEALED TO CARRY OUT NECESSARY OPERATIONS. CONTRARY TO THE ABOVE, ON DEC 3, 1981, THE NRC INSPECTOR OBSERVED THE FOLLOWING: A. COMPONENT COOLING WATER PIPE 3CC 4-56A2-1 HAD NOT BEEN SEALED AFTER BEING DISCONNECTED FROM REACTOR COOLANT PUMP 2A. THE CORRESPONDING PIPE ON THE REACTOR COOLANT PUMP 2A HAD ALSO NOT BEEN SEALED. B. PRESSURIZER SPRAY PIPE 1RC3-1 3B, WHICH HAD NOT BEEN COMPLETED, WAS NOT SEALED ON THE +46-FOOT LEVEL IN THE PRESSURIZER ROOM.

CRITERION V OF 10CFR50, APP B, STATES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND THAT THESE ACTIVITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE SE INSTRUCTIONS, PROCEDURES OR DRAWINGS. EBASCO CARE AND MAINTENANCE #31 R7 REQUIRES THAT A DRY NITROGEN BLANKET OR PURGE BE MAINTAINED ON THE PRESSURIZER. EBASCO CARE AND MAINTENANCE INSTRUCTION #32 R7 REQUIRES THAT A DRY NITROGEN PURGE BE ESTABLISHED ON THE SECONDARY SIDE OF THE STEAM GENERATORS AFTER THE MAIN STEAM AND FEEDWATER PIPING HAS BEEN CONNECTED TO THE SECONDARY SIDE NOZZLES. CONTRARY TO THE ABOVE, ON NOV 24, 1981, THE NRC INSPECTORS OBSERVED THE FOLLOWING: A. THE PRESSURIZER HAD NEITHER A NITROGEN BLANKET OR PURGE ESTABLISHED. B. THE STEAM GENERATORS DID NOT HAVE A NITROGEN PURGE ESTABLISHED AFTER THE MAINSTEAM AND FEEDWATER PIPING WAS CONNECTED TO THE SECONDARY SIDE NOZZLES.

111681	121581	392706B	2	4
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CRITERION V OF 10CFR50, APP B, STATES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND THAT THESE ACTIVITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH TH

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111681	121581	392706B	2	4	ESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. STARTUP ADMINISTRATIVE PROCEDURE SAP-10, "TEMPORARY SYSTEM MODIFICATION," IN SECT. 4.4.1.1 REQUIRES THAT ELECTRICAL JUMPERS, BYPASSES, AND LIFTED ELECTRICAL LEADS BE DOCUMENTED AS TEMPORARY MODIFICATIONS IF THE MODIFICATION IS TO BE LEFT IN PLACE BEYOND A SINGLE SHIFT. CONTRARY TO THE ABOVE, ON NOV 11, 1981, THE NRC INSPECTORS OBSERVED THE FOLLOWING WHERE AN ELECTRICAL JUMPER, BYPASS AND LIFTED ELECTRIC LEADS HAD NOT BEEN IDENTIFIED BY A TEMPORARY MODIFICATION TAG: A. A TEMPORARY ELECTRIC RECEPTACLE HAD BEEN CONNECTED TO A POWER DISTRIBUTION PANEL 362-SAB IN 480V MCC3AB 311-5. B. CABLE 3256X-SAB LEADS HAD BEEN LIFTED IN POWER DISTRIBUTION PANEL 3:B-DC-5 AND A JUMPER FROM A TEMPORARY PANEL CONNECTED TO THE TERMINALS FROM WHICH THE LEADS HAD BEEN LIFTED. IN EACH CASE STATED ABOVE, THE MODIFICATION HAD NOT BEEN RETURNED TO THE ORIGINAL CONDITION AT THE END OF THE SHIFT.
121681	021582	392706B	2	-	
031682	041582	392706B	2	4	FAILURE TO FOLLOW INSTRUCTIONS FOR INSTALLATION OF SAFETY-RELATED INSTRUMENTATION SYSTEMS: CRITERION V OF 10CFR50, APP B, REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE ACCOMPLISHED IN ACCORDANCE WITH INSTRUCTIONS, PROCEDURES, OR DRAWINGS. EBASCO CONSTRUCTION SPEC IC-1, REV 1, "INSTRUCTION FOR ERECTION OF INSTRUMENTATION SYSTEMS" PARA 5.3, REQUIRES THAT INSTRUMENT SENSING LINES SLOPE CONTINUOUSLY TOWARD THE INSTRUMENT WITH A 1/4" PER FT MINIMUM. DRAWINGS LOU 1546-B-430 (DTD MAR 19, 1979, "INSTRUMENT INSTALLATION DETAILS" GENERAL NOTE 4 ON SHEET 1 OF GENERAL NOTES REQUIRES THAT INSTRUMENT SENSING LINE SLOPES BY 1/4" PER FT MINIMUM. CONTRARY TO THE ABOVE, THE IMPULSE TUBING LINES FOR THE STEAM GENERATOR LEVEL INSTRUMENT VARIABLE EGS AS SHOWN ON THE INSTALLATION ISOMETRIC DRAWINGS AND AS INSTALLED DO NOT MEET THE MINIMUM SLOPING REQUIREMENT. THE SECTIONS OF INSTRUMENT TUBING WHICH DO NOT MEET THIS REQUIREMENT ARE FROM EACH ROOT VALVE (8) AT THE STEAM GENERATORS TO THE POINT WHERE THE INSTRUMENT TUBING PENETRATES THROUGH THE CONCRETE SHIELD WALL FAILURE TO PROTECT SAFETY-RELATED INSTRUMENT TUBING DURING IN-PLACE STORAGE: CRITERION V OF 10CFR50, APP B, REQUIRES THAT ACTIVITIES AFFECTING QUAL

FROM DATE	TO DATE	MODULE#	FIND-INGS	DEVIATION/SEVERITY	TEXT
031682	041582	392706B	2	4	ITY BE ACCOMPLISHED IN ACCORDANCE WITH INSTRUCTIO NS, PROCEDURES, OR DRAWINGS. EBASCO CONSTRUCTION SPEC IC-1, REV 1, "INSTRUCTION FOR ERECTION OF IN STRUMENTATION SYSTEMS" PARA 11.0, STATES IN PART THAT PROTECTION SHALL BE PROVIDED TO ENSURE THAT MATERIALS AND INSTRUMENTS WILL BE PROTECTED FROM ANY DETERIORATION DUE TO LONG-TERM STORAGE. CONTR ARY TO THE ABOVE, THE STEAM GENERATOR LEVEL INSTR UMENTATION TUBING LINES ARE NOT PROTECTED AND HAV E BEEN BENT AS A RESULT OF CONSTRUCTION ACTIVITY IN THE AREAS WHERE THE TUBING RUNS ARE LOCATED.
071682	091582	392706B	1	-	-
110182	113082	392706B	1	-	-
012483	012883	392706B	1	-	-
050183	053183	392706B	2	-	-
060183	063083	392706B	2	-	-
062783	070183	392706B	1	-	-
021683	021783	392713B	1	-	-
042183	042183	392713B	1	-	-
070183	083183	392713B	1	-	-
091681	101581	393701B	2	-	-
030183	043083	394300B	1	-	-
050183	053183	394300B	2	-	-
061681	071581	394700B	2	-	-
042183	042183	430703B	1	-	-
070183	083183	470452B	1	-	-
042183	042183	481170B	1	-	-
120182	123182	530703	1	-	-
073180	112180	530703B	1	-	-

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061180	061180	530703B	1	-	-
051182	052782	530703B	1	-	-
052582	052782	530703B	1	-	-
083182	010383	530703B	1	-	-
100482	100882	530703B	1	-	-
101882	102082	530703B	1	-	-
082283	082683	530703B	1	-	-
042883	043083	561719	1	-	-
061180	061180	581121B	1	-	-
051182	052782	581122B	1	-	-
051182	052782	581134B	1	-	-
051182	052782	581142B	1	-	-
021683	021783	581475B	1	-	-
021683	021783	581485B	1	-	-
052582	052782	581501B	1	-	-
080283	080583	590714B	1	-	-
120182	123182	592702	1	-	-
100482	100882	592706B	1	-	-
101882	102082	592706B	1	-	-
082283	082683	592706B	1	-	-
061180	061180	592713B	1	-	-
051182	052782	592713B	1	-	-
083182	010383	592713B	1	-	-

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