

ORGANIZATION: GIBBS & HILL, INCORPORATED
NEW YORK, NEW YORK

REPORT NO.: 99900524/82-03	INSPECTION DATE(S) 11/29-12/3/82	INSPECTION ON-SITE HOURS: 59
CORRESPONDENCE ADDRESS: Gibbs & Hill, Incorporated ATTN: Mr. P. P. DeRienzo, Vice President Quality Assurance 11 Penn Plaza New York, NY 10011		
ORGANIZATIONAL CONTACT: Mr. N. N. Keddis, QA Manager TELEPHONE NUMBER: (212) 760-5450		
PRINCIPAL PRODUCT: Architect engineering and consulting services.		
NUCLEAR INDUSTRY ACTIVITY: The total effort committed to domestic nuclear design activities is approximately 25 percent of the 1730 employees of Gibbs & Hill, Incorporated (G&H) at their New York facilities. Major projects include the design of Comanche Peak, Units 1 and 2; Three Mile Island, Unit 1, FSAR update; Beaver Valley, Unit 1, equipment update; and Bellefonte, Unit 1, design studies.		
ASSIGNED INSPECTOR: <u>P. H. Hakrell</u> P. H. Hakrell, Reactor Systems Section (RSS)		<u>1/21/83</u> Date
OTHER INSPECTOR(S): R. H. Brickley, RSS		
APPROVED BY: <u>C. J. Hale</u> C. J. Hale, Chief, RSS		<u>1/27/83</u> Date
INSPECTION BASES AND SCOPE:		
A. <u>BASES</u> : 10 CFR Part 50, Appendix B; G&H Topical Report No. GIBSAR-17-A; and the Comanche Peak Steam Electric Station (CPSES) Preliminary Safety Analysis Report (PSAR).		
B. <u>SCOPE</u> : Design change control, design process management, and status of previous inspection findings.		
PLANT SITE APPLICABILITY:		
Docket Nos. 50-445 and 50-446.		
DESIGNATED ORIGINAL Certified By <u>Rheanne Clark</u>		

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99900524 PDR

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INSPECTION
RESULTS:

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A. VIOLATIONS:

None

B. NONCONFORMANCES:

1. Contrary to Section 17.1.2.6 of the CPSES PSAR, previous issues of drawings are not being marked superseded nor do G&H project procedures require that superseded drawings be so marked.
2. Contrary to Section 17.1.2.6 of the CPSES PSAR, G&H project procedures do not provide provisions for the distribution of drawings and their revisions.

C. UNRESOLVED ITEMS:

None

D. STATUS OF PREVIOUS INSPECTION FINDINGS:

1. (Closed) Nonconformance (82-02) - The F-736 form, "Request for Data Processing Service or Equipment," was not initiated, reviewed, approved, and distributed: (1) for the development of version 1 of computer programs DLFPW and PDROP, and (2) the revision of PDROP to version 2.

The inspector verified the corrective actions and preventive measures committed in the G&H letter dated September 24, 1982; i.e., (1) F-736 forms were completed for version 1 of DLFPW and PDROP, (2) F-736 form was completed for version 2 of PDROP, (3) a memo had been distributed to the engineering and programming managers reminding them of the need for form F-736, and (4) the librarian administrator, responsible for maintaining verified programs, was instructed not to accept programs for verification unless form F-736 had been previously submitted.

2. (Open) Nonconformance (82-02) - The required "final check" of computer code program descriptions did not assure that they were accurate descriptions of the official copy of the programs CONVERT, CISRS, and DLFPW in that: (1) the required program description did not exist for the computer program CONVERT, and (2) the program descriptions for the computer programs CISRS and DLFPW did not show the methods, assumptions, and equations used to model the physical system.

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The corrective actions committed by G&H in their letter of September 24, 1982, were scheduled for completion by the end of 1982. The corrective actions for the computer program CONVERT had been completed by the time of this inspection. The corrective actions for CONVERT were verified by the inspector. The inspector also verified the preventive measures committed in the September 24, 1982, letter; i.e., (1) a memo was sent to the engineering and programming managers reminding them that when a program is verified, the cognizant engineer must assure that the required program documentation exists; and (2) instructions have been given to the librarian to check for the presence of the full documentation package.

3. (Open) Nonconformance (82-02) - Computer program verification was not documented, acknowledged, nor maintained in a permanent file as evidenced by the nonexistence of Computer Program Verification Forms for the CRRS and CREED programs. G&H's actions were not complete. The G&H letter of September 24, 1982, committed to completion of corrective actions by December 31, 1982, and preventive measures by the end of the first quarter 1983.
4. (Open) Nonconformance (82-02) - Procedures do not exist and, therefore, were not employed for: (1) identifying design inputs in computer code program descriptions; (2) approving, releasing, distributing, and revising program descriptions; (3) identifying, maintaining, and retaining program descriptions, source listings, and computer test problem input and output data with the status of a quality assurance record; (4) controlling changes to computer codes; (5) taking corrective action when a significant deficiency is detected in a computer code; and (6) making computer code experience reports available to cognizant design personnel.

The G&H letter of September 24, 1982, committed to a revision of EDP-10, "Control and Development of Computer Programs," to include the applicable sections of ANSI N45.2.11-1974 by the end of the first quarter of 1983. As of this inspection, a preliminary draft of the revised procedure is under review. G&H anticipates that the procedure will be issued in accordance with their commitment.

E. OTHER FINDINGS OR COMMENTS:

1. Followup inspection of a 10 CFR Part 21 report (initiated during inspection 82-01) to determine the status of actions taken by G&H to correct design defects in the tornado venting systems for Comanche Peak Steam Electric System, Units 1 and 2.

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<p>The inspector verified that all remaining document changes had been made as committed. This item is considered closed.</p> <p>2. Followup inspection of a design inspection (82-01) to determine the status of actions taken by G&H to mitigate the consequences of environmental conditions exceeding design allowables in the event of a postulated rupture in certain fluid system piping outside containment.</p> <p>This item will be inspected further during a subsequent inspection.</p> <p>3. Design Change Control (Field Changes) - Applicable procedures contained in the Project Guide and Project Procedures Manual were reviewed to verify that the procedures prescribe a system for field design change control that is consistent with the commitments of the G&H Quality Assurance Program for the Comanche Peak Steam Electric Station. To determine that the field design change control procedures are being properly and effectively implemented, the inspector examined the records maintained on 24 Design Change Authorizations (DCA), 20 Component Modification Cards (CMC), 44 Change Verification Checklists, the DCA Master Index, and the CMC Master Index.</p> <p>There were no violations, nonconformances, or unresolved items identified in this area of the inspection.</p> <p>4. Design Process Management - Procedures were examined to verify that they prescribe a system for design process management which is consistent with the commitments of the G&H Quality Assurance Program. To verify the design process management procedures are being properly and effectively implemented, the inspector reviewed 5 specifications, 2 purchase orders, 25 drawings, 4 DCA's, 5 CMC's, and 4 design engineering change documents. Within this area of inspection, two nonconformances were identified (see B. above).</p>		

1	2	TITLE/SUBJECT	3	4
1	8	Form F-736 (Request for Data Processing Services or Equipment) for DLEPW Version 1	—	—
2	8	Form F-736 for PDRDP Version 1	—	—
3	8	Form F-736 for PDRDP Version 2	—	—
4	6	Documentation	10/29/82	—
5	6	Compliance with NRC Inspection Report 82-02	10/19/82	—
6	8	Docket No. 99900524/82-02 CONVERT - Program Function, Description, Assumptions and Equations	Nov. 82	0
7	6	CONVERT Users Manual	11/18/82	—
8	8	Form F-887A (Computer Program Verification) for CONVERT	—	—
9	8	Form CS-001 (Program Security Index) for CONVERT	6/21/82	—
10	8	Form F-736 for CONVERT	—	—
11	8	Verification of Computer Programs CONVERT	—	—
12	7	EDP-10 (Control of Development of Computer Programs)	June 1980	2

- Document Types:
1. Drawing
 2. Specification
 3. Procedure
 4. QA Manual

5. Purchas Order
6. Internal Memo
7. Letter
8. Other (Specify-if necessary)

Columns:

1. Sequential Item Number
2. Type of Document
3. Date of Document
4. Revision (If applicable)

Inspector R. H. Brickley
 Scope/Module Design Change Control - Field Changes

DOCUMENTS EXAMINED

1	2	TITLE/SUBJECT	3	4
1	3	CPSES Project Guide, Ch. V, Proc. # 16 (Design Change Control Procedure)	11/15/79	11/15/79
2	3	CPSES Project Guide, Ch. V, Proc. # 24 (Processing CMC's & DCAs)	7/1/82	1/82
3	3	Design Change Authorization, Weather Index	11/24/82	NA
4	3	Component Modification Card, Weather Index	11/29/82	NA
5	3	DCA # 05535	9/4/79	0
6	3	DCA # 05557	9/5/79	0
7	3	DCA # 06217	12/4/79	0
8	3	DCA # 06227	12/6/79	0
9	3	DCA # 06238	2/8/82	2
10	3	DCA # 06568	1/29/80	0
11	3	DCA # 06851	6/10/82	1
12	3	DCA # 06958	1/27/82	2
13	3	DCA # 08444	8/26/81	1
14	3	DCA # 08588	9/24/80	0
15	3	Change Verification Checklist (CVC) for DCA Items 5-14	Various	NA
16	3	CMC # 43166	2/9/82	3
17	3	CMC # 43168	10/29/81	2

- Columns:
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 3. Date of Document
 4. Revision (If applicable)

- Document Types:
1. Drawing
 2. Specification
 3. Procedure
 4. QA Manual
 5. Purchase Order
 6. Internal Memo
 7. Letter
 8. Other (Specify-if necessary)

Inspector R.H. Brickley

Scope/Module DESIGN CHANGE CONTROL -
FIELD CHANGES

DOCUMENTS EXAMINED

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1	2	TITLE/SUBJECT	3	4
18	B	CMC # 43169	9/25/81	1
19	B	CMC # 43177	12/5/81	1
20	B	CMC # 43181	1/8/82	4
21	B	CMC # 43186	11/6/80	0
22	B	CMC # 43192	9/25/81	2
23	B	CMC # 46256	No Date	2
24	B	CMC # 00353	3/20/81	0
25	B	CMC # 02176	10/24/78	0
26	B	CMC # 06151	9/8/81	2
27	B	CMC # 06932	9/21/81	2
28	B	CMC # 08741	9/13/79	0
29	B	DCA # 01597	5/18/78	1
30	B	DCA # 00423	11/3/77	1
31	B	DCA # 03263	3/19/81	3
32	B	DCA # 03684	1/31/79	0
33	B	DCA # 05299	1/30/81	2
34	B	CVC for CMC items 16-28 CVC for DCA items 29-33	Various	NA

Document Types:

1. Drawing
2. Specification
3. Procedure
4. QA Manual

5. Purchas Order
6. Internal Memo
7. Letter
8. Other (Specify-if necessary)

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Inspector R. H. Brickley

Scope/Module Design Change Control -
Field Changes

DOCUMENTS EXAMINED

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1	2	TITLE/SUBJECT	3	4
35	1	*2323-MI-0311	10/14/82	6
36	7	TUCI to G&H # CPP-3145	5/2/80	NA
37	8	Design Change Request to Proceed # 10004	5/2/80	0
38	7	G&H to TUCI # GTN-46214	5/16/80	NA
39	3	DC-3 (Drawing Preparation, Checking and Approval Procedure)	8/82	5
40	3	PC-8 (Change Order Procedure - Engineering & Design)	7/82	4
41	3	PC-9 (Design Change Procedure)	3/82	7
42	3	PC-2 (Drawing Control Procedure)	3/72	1
43	8	CMC # 00909	10/24/80	1
44	8	CMC # 00764	9/8/78	0
45	8	CMC # 00445	8/1/78	0
46	8	CMC # 00427	3/20/81	1
47	8	CMC # 00396	7/27/78	0
48	8	CMC # 00911	9/8/78	0
49	8	CMC # 01055	2/6/81	2
50	8	DCA # 03605	1/13/81	1
51	8	DCA # 03612	4/30/80	3

Document Types:

1. Drawing
2. Specification
3. Procedure
4. QA Manual

5. Purchas Order
6. Internal Memo
7. Letter
8. Other (Specify-if necessary)

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1	2	TITLE/SUBJECT	3	4
52	8	DCA # 03618	2/4/81	4
53	8	DCA # 03622	6/10/80	1
54	8	DCA # 03626	12/29/81	1
55	8	DCA # 03651	5/8/81	1
56	8	DCA # 03681	1/31/79	0
57	8	DCA # 03688	3/17/86	3
58	8	DCA # 03595	3/7/80	8
59	8	CVC for CMC items 43-49	Various	NA
60	8	CVC for DCA items 50-58	Various	NA

Document Types:
 1. Drawing
 2. Specification
 3. Procedure
 4. QA Manual

5. Purchas Order
 6. Internal Memo
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Inspector HARRELL

Scope/Module FOLLOWUP ITEM D.3
FROM 82/02 REPORT

DOCUMENTS EXAMINED

1	2	TITLE/SUBJECT	3	4
1	3	REPORTING SAFETY-RELATED DEFECTS AND NONCOMPLIANCES PURSUANT TO 10 CFR 21 ~ No. - OPD-1	9/82	3
2	8	LOG FOR PART 21 REPORTS		
3	8	STATUS REPORT ON CISES TORNADO VENTING SYSTEM ~ OEI C-182	11/24/82	
4	8	DESIGN CHANGE AUTHORIZATION (DCA) 14153	8/11/82	0
5	8	DCA 13603	6/16/82	1
6	8	DCA 13635	6/17/82	1
7	8	DCA 13713	8/16/82	2
8	1	2323-S-0747 ~ Aux Bldg SECTION & DETAILS	11/28/78	13
9	1	2323-S-0751 ~ Aux Bldg SECTION & DETAILS	1/25/82	15
10	1	2323-MI-0766 ~ VENTILATION, AUX BLDG	5/12/82	12
11	1	2323-A1-0509 ~ PRIMARY PLANT, AUX E&C BLDGS	11/21/80	11

- Columns:
1. Sequential Item Number
 2. Type of Document
 3. Date of Document
 4. Revision (If applicable)

- Document Types:
1. Drawing
 2. Specification
 3. Procedure
 4. QA Manual
 5. Purchas Order
 6. Internal Memo
 7. Letter
 8. Other (Specify-If necessary)

Inspector HARRELL

Scope/Module 37991B-DESIGN
PROCESS MANAGEMENT

DOCUMENTS EXAMINED

1	2	TITLE/SUBJECT	3	4
1	2	MAIN STEAM RELIEF VALVES ~ 2323-MS-78	6/16/76	2
2	8	Q-LIST FOR COMANCHE PEAK STEAM ELECTRIC PLANT	10/2/81	ADM 27
3	2	MAIN STEAM SAFETY VALVES ~ 2323-MS-77	8/2/76	2
4	3	2323 PROJECT GUIDE ~ SPECIFICATIONS	6/22/79	—
5	3	2323 PROJECT GUIDE ~ DESIGN REVIEW OF NUCLEAR SAFETY RELATED CALCULATIONS, DRAWINGS AND SPECIFICATIONS	7/1/82	—
6	3	2323 PROJECT GUIDE ~ DESIGN CHANGE CONTROL PROCEDURE	11/15/79	—
7	3	DESIGN CHANGE CONTROL PROCEDURE ~ Preparation of Procurement Specification Procedure ~ DC-5	3/82	6
8	5	MAIN STEAM RELIEF VALVES by TEXAS UTILITIES GENERATING COMPANY ~ CP-0078 TO FISHER CONTROLS COMPANY	5/1/75	—
9	4	FISHER CONTROLS COMPANY QA MANUAL	—	—

Document Types:

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| 1. Drawing | 5. Purchas Order |
| 2. Specification | 6. Internal Memo |
| 3. Procedure | 7. Letter |
| 4. QA Manual | 8. Other (Specify-If necessary) |

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| 1. Sequential Item Number |
| 2. Type of Document |
| 3. Date of Document |
| 4. Revision (If applicable) |

DOCUMENTS EXAMINED

1	2	TITLE/SUBJECT	3	4
10	8	TEST PROCEDURE DTB 04 P75-1038 (DAYTON T. BROWN) ~ QUALIFICATION TESTS ON CONTROL VALVES FOR USE IN NUCLEAR POWER GENERATING STATIONS	9/13/76	B
11	8	SEISMIC CERTIFICATION FOR REPRESENTATIVE ORDER 001-63500-A, B (FISHER CONTROLS CO)	—	—
12	3	PROJECT CONTROL PROCEDURE ~ VENDOR DRAWING REVIEW PROCEDURE ~ PC-5	5/73	2
13	4	SEISMIC QUALIFICATION REPORT ~ FQPSA-1 ~ SEISMIC CATEGORY I VALVE ASSEMBLY, MAIN STEAM RELIEF VALVES (FISHER CONTROLS CO)	—	—
14	1	FISHER CONTROLS TO G&H ~ SUBJ: D.T. BROWN TEST PROCEDURE ~ DTB 04 P 75-1038, REV B	2/2/79	B
15	3	SEISMIC AND ENVIRONMENTAL TEST INSTRUCTION FOR CONTROL VALVES BY FISHER ~ STP-2	12/18/78	G

Document Types:

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| 1. Drawing | 5. Purchas Order |
| 2. Specification | 6. Internal Memo |
| 3. Procedure | 7. Letter |
| 4. QA Manual | 8. Other (Specify-If necessary) |

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Inspector HARRELL
 Scope/Module 37991B - DESIGN
PROCESS MANAGEMENT

DOCUMENTS EXAMINED

1	2	TITLE/SUBJECT	3	4
16	8	QA Audit: TFM-2 For FISHER CONTROLS BY TUGCO	6/22/79	—
17	8	QA Audit: TFM-3 For FISHER CONTROLS BY TUGCO	2/7/80	—
18	1	COMPOSITE PIPING SAFEGUARDS BUILDING PLAN BELOW EL 896'-6" ~ 2323-MI-0600	11/10/78	5
19	1	COMPOSITE PIPING SAFEGUARDS BUILDING PLAN BELOW EL 873'-6" ~ 2323-MI-0601	7/18/79	6
20	1	FLOW DIAGRAM: MAIN STEAM RETREAT AND STEAM DUMP ~ 2323-MI-0202	10/8/82	11
21	1	COMPOSITE BUILDING SAFEGUARDS BUILDING SECTION ~ 2323-MI-0601-01	7/18/79	7
22	8	DESIGN CHANGE AUTHORIZATION (DCA) 12991	4/15/82	0
23	8	DCA 13714	6/22/82	0
24	8	DCA 6484	1/16/80	0
25	8	DCA 11162	9/30/81	0
26	8	COMPONENT MODIFICATION CARD (CMC) 15265	7/10/82	4

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Document Types:
 1. Drawing
 2. Specification
 3. Procurement
 4. QA Manual
 5. Purchase Order
 6. Internal Memo
 7. Letter
 8. Other (Specify-if necessary)

DOCUMENTS EXAMINED

1	2	TITLE/SUBJECT	3	4
27	8	CMC 75282	6/21/82	0
28	8	CMC 62420	12/11/81	0
29	8	CMC 62300	12/22/81	5
30	8	CMC 43439	4/2/81	4
31	8	DESIGN ENGINEERING / CHANGE DEVIATION (DE/CD) S-2463	—	—
32	3	2323 PROJECT GUIDE ~ MODIFICATIONS AFTER DRAWING ISSUED FOR FABRICATION AND/OR CONSTRUCTION	2/27/81	—
33	2	CONTAINMENT HYDROGEN ANALYZER SYSTEM ~ 2323-MS-160A	4/1/81	1
34	2	QUALITY ASSURANCE FOR PROCUREMENT OF MATERIALS AND EQUIPMENT ~ 2323-GS-903	4/8/74	1
35	8	QUALIFICATION TEST REPORT ~ CONTAINMENT HYDROGEN MONITORING SYSTEM ~ EXO-QTR-101	3/82	1
36	1	G&H TO TEXAS UTILITY GENERATING CO (TUGCO) EXO-SENSORS LETTERS DATED 3/5/82 & 3/8/82, PO MS-160A ~ CONTAINMENT HYDROGEN ANALYZER SYSTEM GTN-58204	3/23/82	—

Document Types:

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| 1. Drawing | 5. Purchas Order |
| 2. Specification | 6. Internal Memo |
| 3. Procedure | 7. Letter |
| 4. QA Manual | 8. Other (Specify-if necessary) |

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| 3. Date of Document |
| 4. Revision (if applicable) |

37991B-DESIGN
PROCESS MANAGEMENT

DOCUMENTS EXAMINED

1	2	TITLE/SUBJECT	3	4
37	8	SEISMIC QUALIFICATION PLAN ~ HYDROGEN ANALYZER SYSTEM ~ QP-EXD-103	9/16/82	2
38	1	H ₂ SENSOR CALIBRATION ASS'Y ~ 105D006	12/31/81	F
39	1	MECHANICAL INSTALLATION ANALYZER ELECTRONICS ~ 105D015	—	C
40	1	WIRING & CONNECTION DIAGRAM ~ 105D017	—	F
41	1	H ₂ CONTAINMENT ANALYZER SYSTEM ~ 105D021	—	E
42	3	INSPECTION AND TEST OF H ₂ SENSOR CALIBRATION ASSEMBLY ~ QOP-008	5/5/81	1
43	8	HELIUM LEAK TEST RESULTS	10/7/81	—
44	7	G&H TO TUGCO ~ CONTAINMENT H ₂ MONITOR	10/27/82	—
45	1	FLOW DIAGRAM - VENTILATION CONTAINMENT ~ SHT 1 ~ 2323-MI-0300	4/30/79	5
46	1	SAME AS ITEM 45	5/26/82	7
47	1	FLOW DIAGRAM - VENTILATION CONTAINMENT ~ SHT 2 ~ 2323-MI-0301	5/31/79	3
48	1	SAME AS ITEM 47	10/4/82	5

Document Types:

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| 1. Drawing | 5. Purchas Order |
| 2. Specification | 6. Internal Memo |
| 3. Procedure | 7. Letter |
| 4. QA Manual | 8. Other (Specify-If necessary) |

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DOCUMENTS EXAMINED

1	2	TITLE/SUBJECT	3	4
48	1	FLOW DIAGRAM- VENTILATION- ANX BLDG ~ 2323-MI-0303	4/30/79	3
49	1	SAME AS ITEM 48	5/26/82	4
50	1	FLOW DIAGRAM- VENTILATION- FUEL HANDLING BUILDING ~ 2323-MI-0303-01	4/30/79	3
51	1	SAME AS ITEM 50	1/6/81	4
52	1	FLOW DIAGRAM- CONTROL ROOM- AIR CONDITIONING 2323-MI-0304	10/4/82	7
53	1	FLOW DIAGRAM- AC OFFICE & SERVICE AREA 2323-MI-0304-01	6/16/78	2
54	1	FLOW DIAGRAM- VENTILATION- UNCONTROLLED & MISC AREA ~ 2323-MI-0305	12/11/81	6
55	1	FLOW DIAGRAM- VENTILATION- CHILLED WATER SYSTEM	7/25/81	5
56	1	SAME AS ITEM 55	10/1/82	6
57	1	FLOW DIAGRAM- CONTROL ROOM AIR CONDITIONING MODE OF OPERATION ~ 2323-MI-0308	4/12/82	4

Document Types:

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| 1. Drawing | 5. Purchas Order |
| 2. Specification | 6. Internal Memo |
| 3. Procedure | 7. Letter |
| 4. QA Manual | 8. Other (Specify-If necessary) |

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4. Revision (If applicable)

DOCUMENTS EXAMINED

31991B - DESIGN
PROCESS MANAGEMENT

1	2	TITLE/SUBJECT	3	4
58	1	FLOW DIAGRAM - VENTILATION PRIMARY PLANT VENTILATION EQUIPMENT ~ 2323-M1-0309	4/30/79	3
59	1	SAME AS ITEM 58	5/26/82	5
60	1	FLOW DIAGRAM - VENTILATION SAFETY CHILLED WATER SYSTEM ~ 2323-M1-0311	5/19/82	5
61	1	SAME AS ITEM 60	10/14/82	6
62	1	FLOW DIAGRAM - VENTILATION SERVICE WATER INTAKE STRUCTURE & MISC BUILDING ~ 2323-M1-0312	5/17/79	4
63	1	SAME AS ITEM 62	11/30/79	5
64	1	FLOW DIAGRAM - VENTILATION AAP BUILDING & CONTROL BUILDING UPS AREA A/C SYSTEM ~ 2323-M1-0313	12/11/81	1
65	1	FLOW DIAGRAM - VENTILATION CONTAINMENT SHT 1 ~ 2323-M2-0300	4/30/79	3
66	1	SAME AS ITEM 65	1/6/81	4
67	1	FLOW DIAGRAM - VENTILATION CONTAINMENT SHT 2 ~ 2323-M2-0312	5/31/79	2

- Document Types:
1. Drawing
 2. Specification
 3. Procedure
 4. QA Manual

5. Purchase Order
6. Internal Memo
7. Letter
8. Other (Specify-if necessary)

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1	2	TITLE/SUBJECT	3	4
68	1	SAME AS ITEM 67	1/6/81	3
69	1	FLOW DIAGRAM - VENTILATION SAFEGUARD & ELECTRICAL AREA ~ 2323-M2-0302	4/30/79	3
70	1	SAME AS ITEM 69	1/6/81	4
71	1	FLOW DIAGRAM - VENTILATION CHILLED WATER SYSTEM ~ 2323-M2-0307	6/28/78	1
72	8	DRAWING STATUS REPORT	1/12/82	—
73	2	DIESEL GENERATOR SETS ~ 2323-MS-34	4/8/76	1
74	8	DIESEL GENERATOR SETS ~ ADDENDUM 1 TO REVI TO 2323-MS-34	9/30/77	—
75	5	DELAVAL TURBINE (BY TUGCO) ~ NO. CP-0034 DIESEL GENERATORS	4/8/76	—
76	8	SUPPLEMENT 1 TO PO CP-0034	5/2/77	—
77	8	SUPPLEMENT 3 TO PO CP-0034	12/21/77	—
78	4	TRANSAMERICA DELAVAL ~ 3RD EDITION	2/27/81	—
79	8	DESIGN ENGINEERING CHANGE DOCUMENT (DECD) S-449	12/23/77	—

Document Types:
1. Drawing
2. Specification
3. Procedure
4. QA Manual

5. Purchas Order
6. Internal Memo
7. Letter
8. Other (Specify-If necessary)

Columns:
1. Sequential Item Number
2. Type of Document
3. Date of Document
4. Revision (If applicable)

ector: HARRIS
Module: 37091B - DESIGN
PROCESS MANAGEMENT

DOCUMENTS EXAMINED

1	2	TITLE/SUBJECT	3	4
80	8	DECD 5-450	12/23/77	—
81	8	DECD 5-46Z	12/23/77	—

- Document Types:
- 1. Drawing
 - 2. Specification
 - 3. Procedure
 - 4. QA Manual
 - 5. Purchas Order
 - 6. Internal Memo
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