

Table 4-1

Resolution of Issues/Outliers Resulting in Modifications

ITEM NO.	CLASS	MARK NUMBER	DESCRIPTION OF ISSUE/OUTLIER	RESOLUTION
1	01	1-EP-MCC-1H1-1 2-EP-MCC-2H1-1 1-EP-MCC-1J1-1 2-EP-MCC-2J1-1	Motor Control Centers (MCC) cabinets containing essential relays, have interaction with adjacent structure and/or anchorage concern.	MCCs were connected to the adjacent structure and anchorage was enhanced, per Design Change DCP 93-033-3.
2	01	1-EP-MCC-1H1-1A 2-EP-MCC-2H1-1A	MCCs had anchorage concerns.	Anchorage modified per design change DCP 93-033-3.
3	03	2-EE-STUB-2H,2J 2-EP-SW-2H,2J	The switchgears are anchored with plug welds to embedded channel.	Outlier resolved by analyses and/or addition of plug welds.
4	08B	1-SS-HCV-102A 2-SS-HCV-202A 2-SS-TV-203A 2-SS-TV-206A	U-bolts were found missing.	U-bolts installed via work order 282121 for valve 1-SS-HCV-102A, and 283102 for valves 2-SS-HCV-202A, 2-SS-TV-203A, 206A.
5	10	1-VS-AC-7	U-clamps were found missing.	U-clamps replaced by deficiency card EM-93-0467.
6	20	1,2-RP-CAB-CH-IA, IIA,IIIA,IVA,IB,IIB, IIIB,IVB. 1,2-PRO-CAB-MB1, MB2,MB3,MB4	Cabinets did not have positive anchorage.	Anchorage were modified as required by Design Change DCP-93-033-3.
7	20	1-CLS-A, B 2-CLS-A, B 1-EE-MRR-1, 2 2-EE-MRR-1, 2 1-EE-URP-1H 1-ESC-A, B 2-ESC-A, B 1-RMT-1A, 1B 2-RMT-CAB-A, B 1-AP-CC-35-1 2-AP-CC-35-2	Cabinets containing essential relays were not bolted to adjacent cabinets. Also, anchorage had gap of 1/4" under the base for some cabinets.	Essential relay cabinets connected to adjacent cabinets and anchorage enhanced by modifications as required by design change DCP-93-033-3.
8	20	1-SW-CAB-3B	The cabinet support was missing one anchor bolt	The missing anchor bolt was installed by Design Change DCP-93-033-3

Table 6.1-1

Outstanding Issues - Electrical and Mechanical Equipment

ITEM NO.	DESCRIPTION OF ISSUE	EQUIPMENT MARK NUMBER	RESOLUTION
1	Housekeeping/conduct of maintenance issues	In areas containing safe-shutdown or other risk-significant components	A procedure will be written and implemented at the station to address these issues.
2	Cabinet contains essential relays and is not connected to the adjacent cabinet. The cabinet also contains a low ruggedness (Westinghouse-SV) relay, as identified in the USI A-46 effort.	3-EE-PNL-35	Field Change to DCP 93-033-3 has been issued to bolt the cabinet to adjacent cabinet to prevent potential impact. Also the low ruggedness relay is planned to be replaced via Station approved Design Change 95-017.
3	A low ruggedness relay (Westinghouse - SV) was found in these cabinets during USI A-46 review.	1-AP-CC-35-1 2-AP-CC-35-2	The low ruggedness relay is planned to be replaced via Station approved Design Change 95-017.
4	MCC cabinet contains essential relays (identified in the USI A-46 effort), and is not connected to an adjacent cabinet. Also, the anchorage is to be enhanced.	1-EP-MCC-1J1-1A	Field Change to DCP 93-033-3 has been issued to bolt the MCC cabinet to the adjacent cabinet, and to enhance MCC cabinet anchorage.
5	The nuts for some of the bolts connecting the transformer coils to the base channels are loose (up to 1/8"). Also, anchor bolt tightness check was not performed for the transformer cabinet anchor bolts.	1-EP-TRAN-1H 1-EP-TRAN-1H1 1-EP-TRAN-1J 1-EP-TRAN-1J1 2-EP-TRAN-2H 2-EP-TRAN-2H1 2-EP-TRAN-2J	The nuts for the bolts connecting the transformer coils to the base channels will be tightened, and a tightness check will be performed on a representative sample of the transformer cabinet anchor bolts.
6	The gaps between batteries do not have close-fitting, crush - resistance fillers.	1-SW-B-1A 1-SW-B-1B 1-SW-B-1C	A Field Change to DCP 93-033-3 will be issued to install the fillers.
7	Capacity of the dampers will be verified.	1-VS-SAD-22A 1-VS-SAD-22B 1-VS-SAD-22C	Guidelines provided by SQUG for this type of equipment will be reviewed to assess their applicability and adequacy.

Table 6.1-1 (Continued)

Outstanding Issues - Electrical and Mechanical Equipment

ITEM NO.	DESCRIPTION OF OUTLIER/ISSUE	EQUIPMENT MARK NUMBER	RESOLUTION
8	This switchgear cabinet is missing base plug welds at some locations.	1-EP-SW-1H	The anchorage will be enhanced through a Field Change to DCP 93-033-3.
9	These MCCs are back-to-back and tied together at the end cabinet bays only. A potential exists for seismic interaction of the center bays.	1-EP-MCC-1J1-2E 1-EP-MCC-1J1-2W 1-EP-MCC-1H1-2N 1-EP-MCC-1H1-2S 2-EP-MCC-2J1-2E 2-EP-MCC-2J1-2W 2-EP-MCC-2H1-2N 2-EP-MCC-2H1-2S	Further review of the cabinet displacement will be performed. If required, the center bays will be bolted together to prevent potential interaction.
10	The relief valve may interact with an adjacent heat exchanger 2-CH-E-4.	2-CC-RV-218	A field change will be issued to eliminate the potential interaction, as required .
11	These valves are close to existing structures and could impact them during a seismic event.	1-BD-TV-100A 1-BD-TV-100C 1-BD-TV-100E 1-BD-SOV-100C	Further review of valve and structure displacement during a seismic event will be conducted to evaluate the impact. If needed, a modification will be done.
12	Further evaluation of the anchorage of the valve support will be performed.	1-RM-TV-100C 1-RM-SOV-100C	Further details for anchorage evaluation will be obtained via a walkdown during the outage.