C Seismic Walkdown Checklists (SWCs)

Table C-1 provides a description of each item, anchorage verification confirmation, a list of Area Walk-By Checklists associated with each item, comments, and page numbers of each Seismic Walkdown Checklist.

C-1

COMPONENT ID	DESCRIPTION	Anchorage Verification Confirmed?	AWC	COMMENTS	PAGE
0VC03CA	ASSY - FAN, CR HVAC EMERG M/U AIR 0A	N	3-20	SWEL 1	C- 7
2AP06E	DIV II 4160V SWGR 242Y	N	1-02	SWEL 1	C- 15
2AP15E	480V SWGR 233	Y	3-03	SWEL 1	C- 20
2AP19E	DIV I 480V SWGR 235X	Ý	4-20	SWEL 1	C- 28
2AP19E-103B	TRANSFORMER, 235X	Y	4-20	SWEL 1	C- 33
2AP21E	DIV II 480V SWGR 236X	Y	1-02	SWEL 1	C- 38
2AP21E-303B	TRANSFORMER, 236X	Y	1-02	SWEL 1	C- 44
2AP71E	DIV I 480V MCC 235X-1	N	4-06	SWEL 1	C- 48
2AP73E	DIV I 480V MCC 235X-3	Y	4-20	SWEL 1	C- 51
2AP78E	DIV II 480V MCC 236X-1	Y	1-11	SWEL 1	C- 55
2AP81E	DIV II 480V MCC 236X-3	Y	1-02	SWEL 1	C- 59
2B21-A004C	ACCUMULATOR, MSRV	N	OUTAGE	SWEL 1	
2B21-F013C	C MS LINE SAFETY/RELIEF VLV	N/A	OUTAGE	SWEL 1	
2B21-F013C-A	SRV C IMF-2 SOLENOID VALVE 'A'	N/A	OUTAGE	SWEL 1	
2B21-F022C	C MS INBD ISOL VLV	N/A	OUTAGE	SWEL 1	
2B21-F028C	C MS OTBD ISOL VLV	N/A	OUTAGE	SWEL 1	
2B21-F028C-P2	VALVE, SOLENOID, O/B MSIV	N/A	OUTAGE	SWEL 1	
2B21-F067C	C MS OTBD ISOL ABOVE SEAT DRN VLV	N/A	OUTAGE	SWEL 1	
2C11-D001002	CONTROL UNIT CRD HYDRAULIC 22-59	Y	3-04	SWEL 1	C- 63
2C11-D001090	CONTROL UNIT CRD HYDRAULIC 26-03	Y	3-04	SWEL 1	C- 68
2C11-D001095	CONTROL UNIT CRD HYDRAULIC 34-59	Y	3-05	SWEL 1	C- 72
2C11-D001184	CONTROL UNIT CRD HYDRAULIC 38-07	Y	3-05	SWEL 1	C- 77
2C11-D2259- 125	CRD HCU SCRAM WATER ACCUMULATOR	N/A	3-04	SWEL 1	C- 81
2C11-D2259- 126	CRD HCU SCRAM INLET VALVE	N/A	3-04	SWEL 1	C- 83
2C11-D2259- 127	CRD HCU SCRAM OUTLET VALVE	N/A	3-04	SWEL 1	C- 85
2C11-D2603- 125	CRD HCU SCRAM WATER ACCUMULATOR	N/A	3-04	SWEL 1	C- 87
2C11-D2603- 126	CRD HCU SCRAM INLET VALVE	N/A	3-04	SWEL 1	C- 89
2C11-D2603- 127	CRD HCU SCRAM OUTLET VALVE	N/A	3-04	SWEL 1	C- 91
2C11-D3459- 125	CRD HCU SCRAM WATER ACCUMULATOR	N/A	3-05	SWEL 1	C- 93

Table C-1. Summary of Seismic Walkdown Checklists

COMPONENT ID	DESCRIPTION	Anchorage Verification Confirmed?	AWC	COMMENTS	PAGE
2C11-D3459- 126	CRD HCU SCRAM INLET VALVE	N/A	3-05	SWEL 1	C- 95
2C11-D3459- 127	CRD HCU SCRAM OUTLET	N/A	3-05	SWEL 1	C- 97
2C11-D3807- 125	CRD HCU SCRAM WATER ACCUMULATOR	N/A	3-05	SWEL 1	C- 99
2C11-D3807- 126	CRD HCU SCRAM INLET VALVE	N/A	3-05	SWEL 1	C- 101
2C11-D3807- 127	CRD HCU SCRAM OUTLET VALVE	N/A	3-05	SWEL 1	C- 103
2C41-A001	TNK STBY LIQUID CONT SOLUTION	Y	4-02	SWEL 1	C- 105
2C41-C001A	SBLC PMP A	Y	4-02	SWEL 1	C- 110
2DC01E	ASSY - BATTERY, 250 VDC	Ý	3-24	SWEL 1	C- 115
2DC02E	DIV I 250 VDC DISTRIBUTION BUS 2	Y	4-20	SWEL 1	C- 123
2DC03E	250VDC BATTERY CHARGER	Y	4-20	SWEL 1	C- 125
2DC05E	250VDC MCC 221X	Y	4-20	SWEL 1	C- 130
2DC13E	DIV II 125VDC DISTRIBUTION PANEL 212Y	Y	1-02	SWEL 1	C- 138
2DC14E	ASSY - BATTERY, 125 VDC DIV-2	Y	1-03	SWEL 1	C- 141
2DC15E	DIV II 125VDC DISTRIBUTION BUS 2B	Y	1-02	SWEL 1	C- 146
2DC16E	DIV II 125VDC BATTERY CHARGER 2BB	Y	1-02	SWEL 1	C- 152
2DG011	2A DG COOLING WTR STRNR BACKWASH OTLT	N/A	1-09	SWEL 1	C- 155
2DG01A	2A DG COOLER	N	1-07	SWEL 1	C- 160
2DG01F	2A DG COOLING WATER STRAINER	Y	1-09	SWEL 1	C- 166
2DG01K	2A DIESEL GENERATOR	Y	1-07	SWEL 1	C- 171
2DG01P	2A DG COOLING WATER PUMP	Y	1-09	SWEL 1	C- 179
2DG01S	2A DG STARTING AIR COMPRESSOR PACKAGE	Y	1-07	SWEL 1	C- 183
2DG02JA	2A DG A GENERATOR CONTROL PANEL	Y	1-07	SWEL 1	C- 191
2DG03J	2A DG ENGINE CONTROL PANEL	Y	1-07	SWEL 1	C- 197
2DG061A	2A DG A/C STARTING AIR MOTORS SUPPLY CONTROL VALVE	N/A	1-07	SWEL 1	C- 203
2DO01P	PUMP, DIESEL OILTRANSFER	Y	1-10	SWEL 1	C- 208
2DO05T	DG 2A DAY TK	Y	1-08	SWEL 1	C- 213
2E12-B001B	2B RHR HEAT EXCH	Y	1-21	SWEL 1	C- 220

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COMPONENT ID	DESCRIPTION	Anchorage Verification Confirmed?	AWC	COMMENTS	PAGE
2E12-C002B	2B RESIDUAL HEAT REMOVAL PMP	Y	1-18	SWEL 1	C- 227
2E12-C300B	B RHR SERVICE WATER PUMP	Y	4-21	SWEL 1	C- 234
2E12-D300B	B RHR SERVICE WATER STRAINER	Y	1-09	SWEL 1	C- 238
2E12-F003B	B RHR HX OTLT STOP	N/A	1-20	SWEL 1	C- 245
2E12-F004B	B RHR PMP SUCT FROM SUP POOLSTOP	N/A	1-23	SWEL 1	C- 249
2E12-F011B	B RHR HX STM COND TO SUP CHBR STOP	N/A	1-20	SWEL 1	C- 254
2E12-F026B	B RHR HX STM COND OTLT TO RCIC STOP	N/A	1-20	SWEL 1	C- 258
2E12-F036B	VALVE, RHR RI PP SUCT LINE RELIEF	N/A	1-22	SWEL 1	C- 262
2E12-F048B	B RHR HX BYP STOP	N/A	1-20	SWEL 1	C- 268
2E12-F051B	B RHR HX STM INLT PRESS CONT VLV	N/A	1-21	SWEL 1	C- 273
2E12-F055B	VALVE, RI DISCH LINE RELIEF	N/A	1-21	SWEL 1	C- 280
2E12-F068A	A RHR HEAT EXCH OTLT	N/A	4-26	SWEL 1	C- 287
2E12-F068B	B RHR HEAT EXCH OTLT STOP VLV	N/A	1-18	SWEL 1	C- 292
2E12-N005B	RHR HE 2B SERV WTR DISCH TEMP	N/A	1-20	SWEL 1	C- 294
2E12-N007B	RHR HE 2B SERV WTR INLET FLOW	N	1-18	SWEL 1	C- 297
2E12-N015B	RHR FLOW 2B	N	1-18	SWEL 1	C- 307
2E12-N027B	RHR HE 2B DISCH TO RX VESSEL TEMP	N/A	1-20	SWEL 1	C- 309
2E12-N034B	RHR PUMP 2B DISCH PRESSURE	N	1-18	SWEL 1	C- 313
2E21-C001	PMP LO PRESS CORE SPRAY	Y	4-25	SWEL 1	C- 315
2E21-N003	LPCS PP DISCH FLOW XMITTER	N	4-25	SWEL 1	C- 319
2E22-C001	PMP HI PRESS CORE SPRAY	Y	2-07	SWEL 1	<u>C-</u> 324
2E22-F004	HPCS INJECTION ISOL VALVE	N/A	2-05	SWEL 1	C- 330
2E22-F015	HPCS PUMP SUP POOL SUCT ISOL VALVE	N/A	2-08	SWEL 1	C- 334
2E22-F023	HPCS FULL FLOW TEST ISOL VALVE	N/A	1-19	SWEL 1	C- 338
2E22-N004	HPCS PP DISCH PRESS XMITTER	Ν	2-07	SWEL 1	C- 342
2E22-N005	HPCS PP DISCH FLOW XMITTER	N	2-07	SWEL 1	C- 350
2E51-C001	RX CORE ISOL COOLING PMP	Ý	3-11	SWEL 1	C- 358
2E51-F013	RCIC INJECTION STOP	N/A	3-08	SWEL 1	C- 364

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COMPONENT	DESCRIPTION	Anchorage Verification Confirmed?	AWC	COMMENTS	PAGE
2E51-F031	RCIC PMP SUCT FROM SUP POOL STOP	N/A	3-12	SWEL 1	C- 368
2E51-F045	RCIC TURB STM SPLY STOP	N/A	3-11	SWEL 1	C- 371
2FC133	FUEL POOL COOLING PUMP SUCT HDR TORHR SYS DRN STOP	N/A	1-23	SWEL 2	C- 375
2FC140	FUEL POOL SYS TO RHR SUCT STOP	N/A	3-29	SWEL 2	C- 379
2H13-P601	ASSY - PANEL, EMERG CORE COOL SYST	Ň	3-32	SWEL 1	C- 382
2H13-P602	ASSY - PANEL, RWCU/RX RECIRC CONTROL	·N	3-32	SWEL 1	C- 385
2HG001A	H2 RECOMB 2HG01A U-2 DW SUCT, VLV	N/A	1-12	SWEL 1	C- 389
2HG005A	H2 RECOMB 2HG01A U-2 SUP POOL DIS VLV-OVHD AT 210'	N/A	1-15	SWEL 1	C- 394
2HG01A	ASSY - BLOWER, H2 RECOMBINER	N	1-24	SWEL 1	C- 398
2PI-DG094	2A DG A AIR RECEIVER PRESS	N/A	1-07	SWEL 1	C- 403
2PL33J	ASSY - PANEL, RHR B/C CUBE VENT	Ý	1-20	SWEL 1	C- 408
2PL34J	ASSY - PANEL, RHR A CUBE VENT	Y	4-12	SWEL 1	C- 412
2PL35J	ASSY - PANEL, LPCS CUBE VENT	Y	4-10	SWEL 1	C- 416
2TE-HG014A	HYDROGEN RECOMBINER GAS INLET (TE-1A)	N/A	1-24	SWEL 1	C- 420
2VQ029	DW VENT/PURGE FROM RX BLDG UPSTRM ISOL	N/A	1-13	SWEL 1	C- 425
2VQ030	DW VENT/PURGE FROM RX BLDG DWNST ISOL	N/A	1-13	SWEL 1	C- 428
2VQ031	SUP POOL VENT/PURGE OTLT UPSTRM ISOL	N/A	1-14	SWEL 1	C- 434
2VQ032	SUP POOL VENT/PURGE OTLT UPSTRM ISOL BYP	N/A	1-14	SWEL 1	C- 438
2VQ034	DW VENT/PURGE OTLT UPSTRM ISOL	N/A	1-12	SWEL 1	C- 442
2VQ035	DW VENT/PURGE OTLT UPSTRM ISOL BYP	N/A	1-12	SWEL 1	C- 447
2VQ036	DW VENT/PURGE OTLT DWNST	N/A	4-05	SWEL 1	C- 450
2VQ040	SUP POOL VENT/PURGE OTLT DWNST ISOL	N/A	4-11	SWEL 1	C- 453
2VX04C	FAN, ESS SWGR DIV-2 VENT SUPPLY	Y	1-02	SWEL 1	C- 456

COMPONENT ID	DESCRIPTION	Anchorage Verification Confirmed?	AWC	COMMENTS	PAGE
2VX05C	FAN, ESS SWGR DIV-2 BATT ROOM EXH	N	1-02	SWEL 1	C- 461
2VY02C	ASSYFAN, CSCS EQUIP HPCS PP CUBICAL SUPPLY	Y	2-06	SWEL 1	C- 465
2VY03C	ASSYFAN, RHR PUMP B/C ROOM COOLING FAN	N	1-19	SWEL 1	C- 469
2VY04C	ASSY - FAN, LPCS PUMP ROOM COOLING	Y	4-24	SWEL 1	C- 473
2VY05C	DIV I CSCS PUMP ROOM SUPPLY FAN	N	4-22	SWEL 1	C- 478
2VY06C	ASSY - FAN, CSCS EQUIP RHR WS PP 2C-2B CUBE SUP	Ň	1-01	SWEL 1	C- 483
2WR029	DW EQUIP RBCCW INLT OTBD	N/A	4-13	SWEL 1	C- 488
2WR040	DW EQUIP RBCCW OTLT OTBD	N/A	4-04	SWEL 1	C- 492

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Seismic Walkdowr	Checklist (SW	(C)	Status: Y N U
Equipme	ent ID No.: 0VC	CO3CA	
Equipm	ent Class: (10)) Air Handlers	
Equipment D	escription: ASS	SY - FAN, CR HVAC EMERG M/U AIR 0A	· · ·
	Project:	LaSalle 2 SWEL	
Locatio	on (Bldg, Elev, Room/Area):	AB, 802.00 ft, ALL	
Manufa	acturer/Model:		
Instructions for Co	mpleting Check	klist	
This checklist may t SWEL. The space findings. Additional	e used to docum below each of the space is provide	nent the results of the Seismic Walkdown of an item of e following questions may be used to record the result ed at the end of this checklist for documenting other co	equipment on the s of judgments and mments.
<u>Anchorage</u>			
1. Is anchorag of SWEL ite	e configuration v ms requiring suc	verification required (i.e., is the item one of the 50% ch verification)?	No
2. Is the ancho	brage free of ben	nt, broken, missing or loose hardware?	Yes
Minor lack acceptable.	of thread engag	ement on 1 anchor at each end of fan judged to be	
3. Is the ancho	brage free of corr	rosion that is more than mild surface oxidation?	Yes
4. Is the ancho	brage free of visil	ble cracks in the concrete near the anchors?	Yes
Minor shri	nkage cracking ir	n floor judged to be acceptable.	
5. Is the anche This questic configuratio	brage configuration on only applies if n verification is n	ion consistent with plant documentation? (Note: the item is one of the 50% for which an anchorage required.)	Not Applicable
6. Based on the potentially a	e above anchora Idverse seismic o	age evaluations, is the anchorage free of conditions?	Yes

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 0VC03CA	
Equipment Class: (10) Air Handlers	
Equipment Description: ASSY - FAN_CR HVAC EMERG M/U AIR 0A	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Small, flexible tube in contact with filter housing judged to be acceptable.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Overhead light fixtures judged to be acceptable.	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
<u>Comments</u> Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 9/12/2012	
Evaluated by: Jm D Appt James Griffith Date:	10/19/2012
Michael Wodarcyk	10/19/2012

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	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 0VC03CA	
Equipment Class: (10) Air Handlers	
Equipment Description: ASSY - FAN, CR HVAC EMERG M/U AIR 0A	
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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 0VC03CA

Equipment Class: (10) Air Handlers

Equipment Description: ASSY - FAN, CR HVAC EMERG M/U AIR 0A





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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 0VC03CA

Equipment Class: (10) Air Handlers

Equipment Description: ASSY - FAN, CR HVAC EMERG M/U AIR 0A





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Status:	Y	NU	J

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 0VC03CA

Equipment Class: (10) Air Handlers

Equipment Description: ASSY - FAN, CR HVAC EMERG M/U AIR 0A





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Seismic Walkdown Checklist (SWC)

Equipment ID No.: 0VC03CA

Equipment Class: (10) Air Handlers

Equipment Description: ASSY - FAN, CR HVAC EMERG M/U AIR 0A



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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 0VC03CA

Equipment Class: (10) Air Handlers

Equipment Description: ASSY - FAN, CR HVAC EMERG M/U AIR 0A



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Status: Y N U Seismic Walkdown Checklist (SWC)
Equipment ID No.: 2AP06E
Equipment Class:(3) Medium Voltage Switchgear
Equipment Description: DIV II 4160V SWGR 242Y
Project: LaSalle 2 SWEL
Location (Bldg, Elev, Room/Area): AB, 731.00 ft, ALL
Manufacturer/Model:
Instructions for Completing Checklist
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.
Anchorage
 Is anchorage configuration verification required (i.e., is the item one of the 50% No of SWEL items requiring such verification)?
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
All cubicles are anchored to the floor with combination welds, bolts, and plug welds. Cubicles are bolted together.
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
Minor shrinkage cracking in floor judged to be acceptable.
 Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2AP06E	
Equipment Class: (3) Medium Voltage Switchgear	
Equipment Description: DIV II 4160V SWGR 242Y	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Overhead light fixtures judged to be acceptable.	Yes
Masonry wall to west of switchgear is safety-related per drawing A-187, Rev.	
9. Do attached lines have adequate flexibility to avoid damage?	Yes
Bus duct feeders are robust and well-braced. They are located on the top of the switchgear and judged to be acceptable.	·
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
 Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? All switchgear cubicles were opened. No adverse seismic conditions were observed. 	Yes
Comments	
Seismic Walkdown Team: D. Carter & J. Griffith - 8/27/2012	
Evaluated by: David Carter Date: 10/	17/2012
James Griffith 10/	17/2012

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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP06E

Equipment Class: (3) Medium Voltage Switchgear

Equipment Description: DIV II 4160V SWGR 242Y



LaSalle Unit 2 025 (4)



LaSalle Unit 2 025 (6)



LaSalle Unit 2 025 (5)



LaSalle Unit 2 025 (7)

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Seismic Walkdown Checklist	: (SWC)	Status: Y N U
Equipment ID No.:	2AP06E	
Equipment Class:	(3) Medium Voltage Switchgear	
Equipment Description:	DIV II 4160V SWGR 242Y	
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LaSalle Unit 2 025 (8)	LaSalle Unit 2 025 (9)	

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Seismic Walkdown Checklist (S	WC) Status:	YNU
Equipment ID No.: 24	AP15E	
Equipment Class: (2) Low Voltage Switchgear	
Equipment Description: 48	30V SWGR 233	
Project:	Lasalle 2 SWEL	
Location (Bldg, Élev, Room/Area):	RB, 786.00 ft, ALL	
Manufacturer/Model:		
Instructions for Completing Che	cklist	
This checklist may be used to docu SWEL. The space below each of findings. Additional space is provi	ument the results of the Seismic Walkdown of an item of equipment the following questions may be used to record the results of judgment ded at the end of this checklist for documenting other comments.	on the nts and
Anchorage		
1. Is anchorage configuration of SWEL items requiring s	<pre>verification required (i.e., is the item one of the 50% uch verification)?</pre>	Yes
2. Is the anchorage free of be	ent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of co	prrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of vi	sible cracks in the concrete near the anchors?	Yes
5. Is the anchorage configura This question only applies configuration verification is Anchorage shown on dra Rev. AJ.	ation consistent with plant documentation? (Note: if the item is one of the 50% for which an anchorage s required.) wings 1E-2-3529, Sheet 1, Rev. AH and 1E-2-3509,	Yes
Based on the above anchor potentially adverse seismic	prage evaluations, is the anchorage free of conditions?	Yes

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Salamia Walkdown Chacklist (SWC)	Status: Y N U
Equipment ID No.: 2AP15E	
Equipment Class: (2) Low Voltage Switchgear	
Equipment Description: 480V SWGR 233	
Interaction Effects	X
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Switchgear bolted to adjacent transformer.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Overhead light fixtures judged to be acceptable.	Yes
Adjacent masonry wall is safety-related per drawing A-239, Rev. M.	
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	· · · · ·
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 9/10/2012	
Evaluated by: Jm D. April James Griffith Date: Date:	10/19/2012
Michael Wodarcyk	10/19/2012
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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP15E

Equipment Class: (2) Low Voltage Switchgear

Equipment Description: 480V SWGR 233

Photos



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12Q0108.50-R-002 Rev. 1 Correspondence No.: RS-12-163 Sheet 5 of 8

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP15E



Equipment Description: 480V SWGR 233



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP15E

Equipment Class: (2) Low Voltage Switchgear

Equipment Description: 480V SWGR 233



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20120910-Lasalle 097



20120910-Lasalle 096



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Status: Y N U

SWITCHGEAR 233

AWARNING

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP15E

Equipment Class: (2) Low Voltage Switchgear

Equipment Description: 480V SWGR 233



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0.0027020000000000000020		111112-012	
Status:	Y	N	U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP15E

Equipment Class: (2) Low Voltage Switchgear

Equipment Description: 480V SWGR 233





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20120910-Lasalle 103

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2AP19E	
Equipment Class: (2) Low Voltage Sw	/itchgear
Equipment Description: DIV I 480V SWGR	235X
Project: LaSalle 2 SWE	L
Location (Bldg, Elev, Room/Area): <u>AB, 710.00 ft, A</u>	<u>\LL</u>
Manufacturer/Model:	
Instructions for Completing Checklist This checklist may be used to document the results SWEL. The space below each of the following ques findings. Additional space is provided at the end of	of the Seismic Walkdown of an item of equipment on the stions may be used to record the results of judgments and this checklist for documenting other comments.
Anchorage	
 Is anchorage configuration verification requ of SWEL items requiring such verification)? 	red (i.e., is the item one of the 50% Yes
2. Is the anchorage free of bent, broken, missi	ng or loose hardware? Yes
3. Is the anchorage free of corrosion that is mo	ore than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the	e concrete near the anchors? Yes
5. Is the anchorage configuration consistent w This question only applies if the item is one configuration verification is required.) Anchorage shown on drawings 1E-2-3434 Sheet 2, Rev. X.	ith plant documentation? (Note: Yes of the 50% for which an anchorage , <i>Sheet 1, Rev. AY and 1E-2-3434</i> ,
Based on the above anchorage evaluations potentially adverse seismic conditions?	, is the anchorage free of Yes

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		Status: Y N U
Seismic Walkdown Checklist	(SWC)	
Equipment ID No.:	2AP19E	
Equipment Class:	(2) Low Voltage Switchgear	
Equipment Description:	DIV I 480V SWGR 235X	·
Interaction Effects		
7. Are soft targets free fro	m impact by nearby equipment or structures?	Yes
Breaker and transform	ner are bolted together.	
8. Are overhead equipmen masonry block walls no Top S-hook of 2 chain closed. Movement suffi is judged to be accepta	nt, distribution systems, ceiling tiles and lighting, and of likely to collapse onto the equipment? as at one end of overhead light fixture not completely icient to cause light fixture to fall is not credible. Fixture able.	Yes
Adjacent masonry colu	mn (L-20) pilaster with running bond construction	
Judged to be acceptable 9. Do attached lines have	e. adequate flexibility to avoid damage?	Yes
•		
10. Based on the above se potentially adverse seis	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions 11. Have you looked for an adversely affect the saf	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes
Comments		· · · · · · · · · · · · · · · · · · ·
Seismic Walkdown Team: M. E	tre & M. Wodarcyk - 9/18/2012	
All cabinets bolted and therefor	e unopened by walkdown team.	
Evaluated by:	A Street Mark Etre Date:	10/19/2012
0 0	Michael Wodarcyk	10/19/2012

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		Status: Y N U
Seismic Walkdown Checklist	t (SWC)	
Equipment ID No.:	2AP19E	
Equipment Class:	(2) Low Voltage Switchgear	
Equipment Description:	DIV I 480V SWGR 235X	

Photos



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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP19E

Equipment Class: (2) Low Voltage Switchgear

Equipment Description: DIV I 480V SWGR 235X



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20120918-Lasalle 065

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Seismic Walkdown Checklist	(SWC)	Sta	itus: YNU
Equipment ID No.:	2AP19E		
Equipment Class:	(2) Low Voltage Switchgear		
Equipment Description:	DIV I 480V SWGR 235X		
20120918-Lasalle 066	2012/05/18 08:15	ar 018-Lasalle 067	9703713 CPITS

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Seismic Walkdown Checklist (SWC)	NU
Equipment ID No.: 2AP19E-103B	
Equipment Class: (4) Transformers	
Equipment Description: TRANSFORMER, 235X	
Project: LaSalle 2 SWEL	
Location (Bldg, Élev, Room/Area):AB, 710.00 ft, ALL	
Manufacturer/Model:	<u></u>
Instructions for Completing Checklist	
SWEL. The space below each of the following questions may be used to record the results of judgments a findings. Additional space is provided at the end of this checklist for documenting other comments.	ne and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
 Is the anchorage free of bent, broken, missing or loose hardware? Transformer sits on base concrete pad. Small gap (approx. 1/2") between base of each anchor trunnion for transformer and top of concrete pad judged to be acceptable. 	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage shown on drawings 1E-2-3434, Sheet 1, Rev. AY and 1E-2-3434, Sheet 2, Rev. X. 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

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	· · ·
Equipment ID No 20010E-103B	
Equipment Class: (4) Transformere	
Equipment Description: TRANSFORMER, 235X	<u></u>
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Overhead chain-hung light fixture with sufficient clearance to not impact transformer.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Adjacent masonry columns (L-19, L-20) pilaster with running bond construction judged to be acceptable.	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Seismic Walkdown Team: M. Etre & M. Wodarcyk - 9/18/2012	
EPN tag not present. Correct item verified by Operations and Engineering.	
All cabinets bolted and therefore unopened by walkdown team	
Evaluated by: Michael Wodarcyk 10/	/19/2012

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		Status: Y N U
Seismic Walkdown Checklist	(SWC)	
Equipment ID No.:	2AP19E-103B	
Equipment Class:	(4) Transformers	
Equipment Description:	TRANSFORMER, 235X	

Photos



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Status	NI	11
olalus.	NI N	U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP19E-103B Equipment Class: (4) Transformers Equipment Description: TRANSFORMER, 235X 2012/09/18 09:19 2012/09/18 09:19 20120918-Lasalle 072 20120918-Lasalle 073 2012/09/18 09:20 20120918-Lasalle 074 20120918-Lasalle 075

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Status:	Y	N	U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2AP19E-103B	
Equipment Class:	(4) Transformers	
Equipment Description:	TRANSFORMER, 235X	
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20120918-Lasalle 076

	·	Correspondence No.:1	Rev. 1 RS-12-163
		Sn	eet 1 of 6
Seismi	ic Walkdown Checklist (SV	VC)	<u>y</u> n u
	Fauinment ID No : 24	P21E	
	Equipment ID No2/	Voltago Switchgoor	
	Equipment Class. (2)		
	Equipment Description: Di	V 11 480V SWGR 236A	
	Project:		
Locatio	on (Bldg, Elev, Room/Area):	_AB, 731.00 ft, ALL	
	Manufacturer/Model:		<u> </u>
This ch SWEL. findings	ctions for Completing Che necklist may be used to docu The space below each of t s. Additional space is provid	cklist ment the results of the Seismic Walkdown of an item of equipment o ne following questions may be used to record the results of judgment led at the end of this checklist for documenting other comments.	n the ts and
<u>Ancho</u> 1.	rage Is anchorage configuration of SWEL items requiring su	verification required (i.e., is the item one of the 50% uch verification)?	Yes
2.	Is the anchorage free of be	nt, broken, missing or loose hardware?	Yes
3.	Is the anchorage free of co	rrosion that is more than mild surface oxidation?	Yes
4.	Is the anchorage free of vis	sible cracks in the concrete near the anchors?	Yes
5.	Is the anchorage configura This question only applies configuration verification is Anchorage shown on draw Sheet 2, Rev. X.	tion consistent with plant documentation? (Note: if the item is one of the 50% for which an anchorage required.) wings 1E-2-3444, Sheet 1, Rev. B and 1E-2-3434,	Yes
6.	Based on the above ancho potentially adverse seismic	rage evaluations, is the anchorage free of conditions?	Yes

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Seism	ic Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 2AP21E	
	Equipment Class: (2) Low Voltage Switchgear	
	Equipment Description: DIV II 480V SWGR 236X	······
Intera	ction Effects	
7.	Are soft targets free from impact by nearby equipment or structures?	Yes
	The gap between the switchgear and charger 2DC17E is judged to be acceptable.	
8.	The switchgear is bolted to the adjacent transformer. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Overhead light fixtures judged to be acceptable.	Yes
	Adjacent masonry wall is safety-related per drawing A-187, Rev. AR.	
9.	Do attached lines have adequate flexibility to avoid damage?	Yes
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other	Adverse Conditions	
<u>11,</u>	Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comm	nents	
Seismi	ic Walkdown Team: D. Carter & J. Griffith - 8/27/2012	
Evalua	ated by: David Carter Date: 10	0/17/2012
	James Griffith 10	0/17/2012

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2AP21E	
Equipment Class: _(2) Low Voltage Switc	hgear
Equipment Description: DIV II 480V SWGR 23	36X
Photos	the second s
Checklist (SWC)	
ent Class: (2) Low Voltage Switchgear	
escription: DIV II 480V SM/CP 2262	
Project: Lasalle 2 SIME	
Room/Area): AB 721.00 & ALL	
icturer/Model	
npleting Checklist	2912/08/27 11:20
Used to document (1)	LaSalle Linit 2 035 (10)
2012/00/27 11-20	Educatio of the 2000 (10)
LaSalle Unit 2 035 (11)	LaSalle Unit 2 035 (12)

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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP21E

Equipment Class: (2) Low Voltage Switchgear

Equipment Description: DIV II 480V SWGR 236X



LaSalle Unit 2 035 (2)



LaSalle Unit 2 035 (4)



LaSalle Unit 2 035 (3)



LaSalle Unit 2 035 (5)

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Status.	1	

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP21E

Equipment Class: (2) Low Voltage Switchgear

Equipment Description: DIV II 480V SWGR 236X





LaSalle Unit 2 035 (7)

LaSalle Unit 2 035 (6)



LaSalle Unit 2 035 (8)



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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2AP21E-303B	
Equipment Class: (4) Transformers	
Equipment Description: TRANSFORMER 236X	
Project: LaSalle 2 SWEI	<u> </u>
Location (Bida Eloy Boom(Arop): AB 721.00 ft AU	
Location (Bidg, Elev, Room/Area). <u>AB, 731.00 N, ALL</u>	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of ea SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comr	quipment on the of judgments and nents.
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware? Minor lack of thread engagement judged to be acceptable. See IR 1405542.	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage shown on drawings A-187, Rev. AR and 1E-2-3444, Sheet 1, Rev. B, and 1E-2-3434, Sheet 2, Rev. X. 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

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			Status: Y	NU
Seismic Walkdow	vn Checklist (SWC)			
Equipr	nent ID No.: 2AP21E-303B			
Equip	ment Class: (4) Transformers			
Equipment	Description: TRANSFORMER, 236X			
Interaction Effect				
7. Are soft ta	rgets free from impact by nearby equipment or structures?			Yes
Transfor	mer bolted to adjacent switchgear.		99 - L	
		•		
8. Are overh masonry t <i>Overhea</i>	ead equipment, distribution systems, ceiling tiles and lighting, block walls not likely to collapse onto the equipment? d light fixtures judged to be acceptable.	and		Yes
9. Do attach	ed lines have adequate flexibility to avoid damage?			Yes
10. Based on potentially	the above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?	of		Yes
Other Adverse C	onditions			
11. Have you adversely	looked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	d		Yes
			- • • - •	•
Comments Seismic Walkdow	n Team: D. Carter & J. Griffith - 8/27/2012			
Evaluated by:	Schlet David Carter	_ Date:	10/17/2012	
	James Griffith	_	10/17/2012	

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(SWC)	Status: Y N U
2AP21E-303B	
(4) Transformers	
TRANSFORMER, 236X	
3	i 🖃 👘 🗖
R, 236X	
NEL	
A. ALL	2012/08/27 11:35
LaSalle Unit 2 051	1 (2)
	(SWC) 2AP21E-303B (4) Transformers TRANSFORMER, 236X S R, 236X WEL LEURADORTITION S R 236X WEL LEURADORTITION S S R 236X WEL LEURADORTITION S S S S S S S S S S S S S



LaSalle Unit 2 051 (4)

2012/08/27 11:36

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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2AP21E-303B		· · · · · · · · · · · · · · · · · · ·	•
Equipment Class:	(4) Transformers		• •	· .
Equipment Description:	TRANSFORMER, 236X	· · · · · · · · · · · · · · · · · · ·	• •	
aSalle Unit 2 051 (5)	112/08/27 11:35			

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2AP71E	
Equipment Class: (1) Motor Control Centers	
Equipment Description: DIV I 480V MCC 235X-1	/ ANALY
Project: LaSalle 2 SWEL	
Location (Bldg, Elev, Room/Area):RB, 761.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting the space of t	an item of equipment on the the results of judgments and ng other comments.
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the of SWEL items requiring such verification)? Full-length welds at front and rear of MCC. 	he 50% No
	•
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidati	on? Yes
	•
	ч
4. Is the anchorage free of visible cracks in the concrete near the anchors	? Yes
 Is the anchorage configuration consistent with plant documentation? (N This question only applies if the item is one of the 50% for which an anc configuration verification is required.) 	ote: Not Applicable chorage
	· * ·
6. Based on the above anchorage evaluations. is the anchorage free of	Yes
potentially adverse seismic conditions?	· .
	· · ·
	s

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2AP71E	
Equipment Class: (1) Motor Control Centers	
Equipment Description: DIV I 480V MCC 235X-1	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
<u>Comments</u> Seismic Walkdown Team: M. Etre & M. Wodarcyk - 9/17/2012	
Evaluated by: Mark Etre Dat	e: <u>10/19/2012</u>
Michael Wodarcyk	10/19/2012

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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP71E

Equipment Class: (1) Motor Control Centers

Equipment Description: DIV I 480V MCC 235X-1

Photos



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	Status:	YN U
Seismi	ic Walkdown Checklist (SWC)	·· ·
	Equipment ID No.: 2AP73E	
	Equipment Class: (1) Motor Control Centers	,
[Equipment Description: DIV I 480V MCC 235X-3	
	Project: LaSalle 2 SWEL	
	Location (Bldg, Elev, Room/Area): _AB, 710.00 ft, ALL	
	Manufacturer/Model:	
Instruc	ctions for Completing Checklist	
This ch SWEL. finding:	The space below each of the following questions may be used to record the results of judgment of space below each of the following questions may be used to record the results of judgments. S. Additional space is provided at the end of this checklist for documenting other comments.	its and
<u>Ancho</u>	rage	
1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	res
2	Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3.	Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4.	Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
-		Maa
5.	This question only applies if the item is one of the 50% for which an anchorage configuration is required.)	res
	Anchorage shown on drawings 1E-2-3434, Sheet 1, Rev. AY and 1E-2-3434, Sheet 2, Rev. X.	
-		
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2AP73E	
Equipment Class: (1) Motor Control Centers	
Equipment Description: DIV I 480V MCC 235X-3	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Small clearance between 72E and 73E cabinets. Both cabinets are long and stiff in the direction of this small clearance. Both cabinets are of the same type and manufacturer. Therefore, sufficient out-of-phase deflection during a seismic event to cause the 2 cabinets to impact one another is judged to not be credible.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Overhead light fixtures judged to be acceptable.	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
 Other Adverse Conditions 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? 	Yes
<u>Comments</u> Seismic Walkdown Team: M. Etre & M. Wodarcyk - 9/18/2012	
Evaluated by: Mark Etre Date: 10 Michael Wodarcyk 10	D/19/2012 D/19/2012

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Equipment ID No.: <u>2AP73E</u> Equipment Class: (1) Motor Control Centers	
Equipment Class: (1) Motor Control Centers	
Equipment Description: DIV I 480V MCC 235X-3	
Photos	
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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP73E

Equipment Class: (1) Motor Control Centers

Equipment Description: DIV I 480V MCC 235X-3



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20120918-Lasalle 056



20120918-Lasalle 055

