Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: <u>1Q-DC</u>	
Equipment Class: (14) Distribution Panels	·
Equipment Description: 125/250VDC DIST PANEL FOR ED	G 1B
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): DG, 305.00 ft, 36	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic W SWEL. The space below each of the following questions may be use findings. Additional space is provided at the end of this checklist for o	ed to record the results of judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the ite of SWEL items requiring such verification)? 	em one of the 50% No
2. Is the anchorage free of bent, broken, missing or loose hardw	vare? Yes
Kick plates were removed and welds were inspected.	
3. Is the anchorage free of corrosion that is more than mild surfa	ace oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near th	ne anchors? Yes
 Is the anchorage configuration consistent with plant documer This question only applies if the item is one of the 50% for wh configuration verification is required.) 	
6. Based on the above anchorage evaluations, is the anchorage potentially adverse seismic conditions?	e free of Yes

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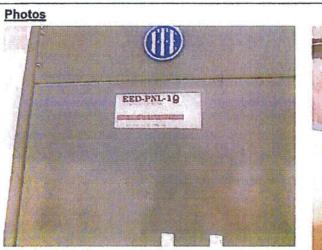
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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1Q-DC	·
Equipment Class: (14) Distribution Panels	
Equipment Description: 125/250VDC DIST PANEL FOR EDG 1B	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment 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 selsmic 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? Doors and kick plates were opened and no Other Adverse Conditions were found inside.	Yes
Comments	
Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-1Q-I	DC, Rev 000
Rigid conduits exhibit bends, which provide adequate flexibility.	
Several linear indication (cracks) on floor below are addressed by Maintenance Rule L R2151812 tracks completion of the walkdown and updates the topical report with its re	•
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والجارية جميها مروا المرتبين والمنكل مكرو يتشقين تقرب المارية بحاف وماريتهم فالرابية المروا بين المارتين المارتين والمتقدين

Seismic Walkdo	wn Checklist	(SWC)		Status: Y N U
Equip	ment ID No.:	1Q-DC		
Equi	pment Class:	(14) Distribution Panels		
Equipment	Description:	125/250VDC DIST PANEL FOR EDG 1B		
Evaluated by:	Man	S Etter Mark Etre	Date:	11/13/2012
	-J.	a Bahar Seth Baker		11/13/2012



100_3013



Status:	Y	N	U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1Q-DC	16 18 - 16 	
Equipment Class:	(14) Distribution Panels		
Equipment Description:	125/250VDC DIST PANEL FOR EDG 1B		



100_3020



IMG_4658

Status: Y N U

Seismic Walkdown Checklist (SWC)

	Equipment ID No.:	1Q-DC	
	Equipment Class:	(14) Distribution Panels	
	Equipment Description:	125/250VDC DIST PANEL FOR EDG 1B	
C. Constant			



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IMG_4659



IMG_4686

Three Mile Island Generating Station Unit 1 Correspondence Nରଧନତେ14/022

Status: YN U

Selsmic Walkdown Checklist (SWC)	
Equipment ID No. $19-4804-55-544R$ Equip. Class ¹² (2) Low Va (EE -546-4804-15)	Itage Switchgear
Equipment Description 480V Engineered Safequards Bas	<u>15</u>
(EE -509-480V-15) Equipment Description <u>480V Engineered Safeguards Bas</u> Location: Bldg. <u>CB</u> Floor El. <u>322</u> Room, Area <u>18</u>	
Manufacturer, Model, Etc. (optional but recommended) Westing House	e Corp
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 t findings. Additional space is provided at the end of this checklist for documenting the space of	the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Y NIZ
	-
2. Is the anchorage free of bent, broken, missing or loose hardware?	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
 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.) 	Yon uon/age
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	

¹² Enter the equipment class name from Appendix B: Classes of Equipment.

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Seismic Walkdown Checklist (SWC)
Equipment ID No. <u>15-4807-65-suck</u> Equip. Class ¹² (2) Low Voltage Switchgear
Equipment Description 4800 Engineered Safeguards Bas 15
Interaction Effects
7. Are soft targets free from impact by nearby equipment or structures? YE NE UE N/AE
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, YM ND UD N/AD and masonry block walls not likely to collapse onto the equipment?
9. Do attached lines have adequate flexibility to avoid damage? YEND UD N/AD
10. Based on the above seismic interaction evaluations, is equipment free Y Y N U
Other Adverse Conditions
11. Have you looked for and found no other seismic conditions that could Y N U
Comments (Additional pages may be added as necessary)
© Saomic Qualifation and interaction evaluation performer per sa-71-1s-480v-Es Rev. 1 for saug.
Evaluated by: Jugo A. Lopez / fuser Age Date: 11/12/13
David Yorker 1 Dr. 11 1

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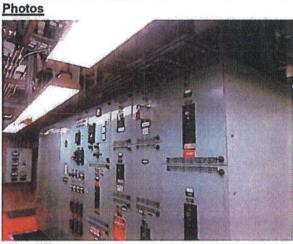
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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1S-480V-ES-SWGR	
Equipment Class:	(2) Low Voltage Switchgear	-
Equipment Description:	480V ENGINEERED SAFEGUARDS BUS 1S	





100_3401

100_3868

100_3666



100_3874

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1S-480V-ES-SWGR	
Equipment Class:	(2) Low Voltage Switchgear	
Equipment Description:	480V ENGINEERED SAFEGUARDS BUS 1S	

Photos (continue)



100_3896

100_3898







100_3904

Status YN U

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Seismic Walkdow	n Checklist (SV	VC)
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Equipment ID No. 15-4804-ES-XFMR Equip. Class ¹² (4) Transform	mer
Equipment Description 15 480 V ES SWGR 4160/480 V YFM	
Location: Bldg. CB Floor El. 322 Room, Area 19	
Manufacturer, Model, Etc. (optional but recommended)	·····
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of a SWEL. The space below each of the following questions may be used to record the findings. Additional space is provided at the end of this checklist for documenting	ne results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Y DINE
ł	
2. Is the anchorage free of bent, broken, missing or loose hardware?	YE NO UO NAO
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
 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.) 	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YEND UD

¹² Enter the equipment class name from Appendix B: Classes of Equipment.

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Seismic Walkdown Checklist (SWC)	
Equipment ID No. 15-480V-ES-XFAR Equip. Class ¹² (4) Transf	ormer
Equipment Description 15 480 V ES SWGR 4160/480 V	XEMR
Seismic Walkdown Checklist (SWC) Equipment ID No. 15-480V-EX-VIAR Equip. Class ¹¹ _(4) Transformer Equipment Description 15 480 V ES StuGR 4160/480 V X EAR Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? YEN: U: N/A: 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, YEN: U: N/A: and masonry block walls not likely to collapse onto the equipment? 9. Do attached lines have adequate flexibility to avoid damage? YEN: U: N/A: 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? YEN: U: N/A: Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could view seismic interaction effects? Comments (Additional pages may be added as necessary) 9 Scurric Qualification performed under SQ-T1- IS- 480V-ES Rev.! For SQOQ 9 Trave former anchored under FCR - C- 100 TCF (a) Mussing / Looke (R) Hat back of cab nct. Net an operability usure. This is tracked under IR 1907/12 Evaluated by: Juca n. A. Lopce Mustandian page. II 12/13 David Verkes / David Werkes / Davi	
Equipment ID No. 13-480V-EX-VEASE Equip. Class ¹² (4) Transformer Equipment Description 15 480 V ES 540 R 4163/480 V XEAR Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? VENUL NAL 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, VENUL NAL 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, VENUL NAL 9. Do attached lines have adequate flexibility to avoid damage? YENUL NAL 10. Based on the above seismic interaction evaluations, is equipment free YENUL NAL 11. Have you looked for and found no other seismic conditions that could aversely affect the safety functions of the equipment? 11. Have you looked for and found no other seismic conditions that could aversely affect the safety functions of the equipment? 12. Comments (Additional pages may be added as necessary) 0. Substruct Qualification previounced under Sa-T1 - IS - 480V-ES Rev.I for Sa000 0. Trave former anchored under FCA - C - 100 7127 (a) Mussing Laze Boilt at bace of cab.nct. Not an operability 13300. This 13 tracked under IR 1401272 Evaluated by: Juan A. Lopce Human Mark Javid Yerkes J. David Yerkes J. San Table	
9. Do attached lines have adequate flexibility to avoid damage?	YEYND UD N/AD
11. Have you looked for and found no other seismic conditions that could	
 O Seconic Qualification performed under SQ-T1-15-4 Transformer anchored under FCR-C-100727 Missing / Losse Bolt at base of cabinet. Not an operative tracked under IR 1401212 Evaluated by: Juan A. Lopce & Marshoppet 	Date: 11/12/13
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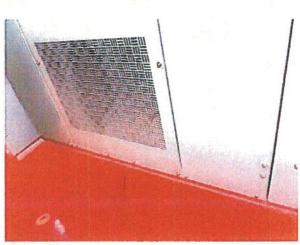
Status: Y N U

Equipment Description:	1S 480V ES SWGR 4160/4	80V XFMR	
Equipment Class:	(4) Transformers		
Equipment ID No.:	1S-480V-ES-XFMR		
Seismic Walkdown Checklist	(SWC)		

Photos



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100_3390







100_3887

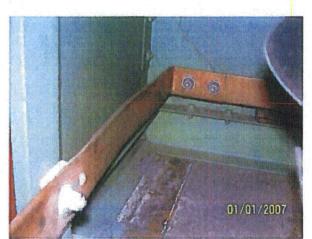
Status: Y N U

Seismic Walkdown Checklist (SWC)

		1S-480V-ES-XFMR	1969 M 1970		
	Equipment Class:	(4) Transformers			
E	quipment Description:	1S 480V ES SWGR 4160/480V XFMR			

Photos (continue)





100_3889

100_3891



100_3893



100_3894

Three Mile Island Generating Station Unit 1 Correspondence Non Bhc 801 bf-032

Status YN U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1T-480V-SHES</u> Equip. Class ¹² (2) Low Vo (+	
Equipment Description 480 V Engineered Safeguard Screen	n House Bus 17
Location: Bldg. <u>IPH</u> Floor El. <u>308</u> Room, Area <u>29</u>	-
Manufacturer, Model, Etc. (optional but recommended) Westunghouse	Elec. Corp.
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of a SWEL. The space below each of the following questions may be used to record t findings. Additional space is provided at the end of this checklist for documenting the space of the space is provided at the end of the space space.	he results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Y DI NO
1	1
2. Is the anchorage free of bent, broken, missing or loose hardware? 9 plug welds on back are acceptable Fillet welds on front are acceptable	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors? welched to embedded any les	
 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.) 	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	

¹² Enter the equipment class name from Appendix B: Classes of Equipment.

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Selsmic Walkdown Checklist (SWC)
Equipment ID No. <u>17-480y-SHES</u> Equip. Class ¹² (2) Low Voltage Switchgear
Equipment Description 480 V Engineered Safeguard Screen Howe Bus 17
Interaction Effects
7. Are soft targets free from impact by nearby equipment or structures? YE N UNA
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, YUNUNAD and masonry block walls not likely to collapse onto the equipment?
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free YENUU of potentially adverse seismic interaction effects?
Other Adverse Conditions
11. Have you looked for and found no other seismic conditions that could YIZ N U U adversely affect the safety functions of the equipment?
5-2 U.V. Que relay on door panel had 2 (one toplone bottom) But of four (4) screws. still equipment was secured at panel w/ no immediate concern. IR 1583783
Comments (Additional pages may be added as necessary)
O seismic Qualification und interaction evaluation performed under
Evaluated by: Juan A. Lopce / acon Agy Date: 11/11/13
 7. Are soft targets free from impact by nearby equipment or structures? YEN_U_N/A 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, YEN_U_N/A 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, YEN_U_N/A 9. Do attached lines have adequate flexibility to avoid damage? YEN_U_N/A 10. Based on the above seismic interaction evaluations, is equipment free YEN_U_N/A 10. Based on the above seismic interaction evaluations, is equipment free YEN_U_N/A 11. Have you looked for and found no other seismic conditions that could YEN_U_N_U_ 12. At a view relay on clear panel had a (one tarlow bottow) but of four (u) strews. Still equipment was geauted at panel will move immediate concern. IR 1583 Comments (Additional pages may be added as necessary) O Spiomic Qualification und interaction evaluation evaluation performed under sa-T1 -1T - 480Y-SHES for SQUG. (Rev.1) Anchange evaluation performed under SQ -T1 -1R - 480V-SHES (swes)
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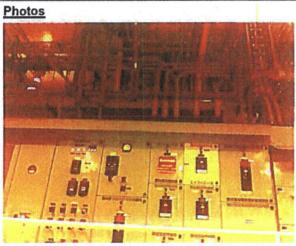
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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1T-480V-SHES-SWGR
Equipment Class:	(2) Low Voltage Switchgear
Equipment Description:	480V ENGINEERED SAFEGUARDS SCREEN HOUSE BUS 1T





IMG_1221

100_0506



100_0515



100_0520

Status: Y N U

Seismic Walkdown Checklist (SWC)

	1T-480V-SHES-SWGR	
Equipment Class:	(2) Low Voltage Switchgear	
	480V ENGINEERED SAFEGUARDS SCREEN HOUSE BUS	1T

Photos (Continue)



100_0528



100_0534



100_0547

100_0558



Three Mile Island Generating Station Unit 1 Correspondence Noshes-14032

Status (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 11-490V-SUES-XFAR Equip. Class¹² (4) Transformer Equipment Description 17 480V Screen House ES SWGR 4160/480V XFMR Location: Bldg. IPH Floor El. 308' Room, Area 29 Manufacturer, Model, Etc. (optional but recommended) 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 1. Is the anchorage configuration verification required (i.e., is the item one Y N of the 50% of SWEL items requiring such verification)? YNN UN N/AN 2. Is the anchorage free of bent, broken, missing or loose hardware? Filet weld at each comer transformer bothed to firmer 3. Is the anchorage free of corrosion that is more than mild surface oxidation? YN NU UU NAD 4. Is the anchorage free of visible cracks in the concrete near the anchors? Frame welded to embedded angles 5. 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.) 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? 12 Enter the equipment class name from Appendix B: Classes of Equipment.

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AC-47

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Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>17-4801-5HE5-</u> Equip. Class ¹² (4) Transfermer	
Equipment Description 17 480V Schen Hause ES SWGR 4160/400 V XFMR	
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? YEN U VINA	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, Y N UN N/A	
Transformer encase by enclosure (ponel) is acceptable	
9. Do attached lines have adequate flexibility to avoid damage? YENU UNA	
10. Based on the above seismic interaction evaluations, is equipment free YUN UD of potentially adverse seismic interaction effects? Front fright parel to pond connectring nut not fully engage (lof 3) is judge accepteble borced on expected loads	
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could Y V N U U adversely affect the safety functions of the equipment?	
Comments (Additional pages may be added as necessary) O TANS Fermer Seconic Qualification performed under SQ-T1-1T-480V-SHES (SQ Kev. I	iug)
Evaluated by: Juan A. Lopez / Juan Date: 11/11/13	
David Yerkes John - 1/11/13	
< C-4 > AC-48	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1T-480V-SHES-XFMR
Equipment Class:	(4) Transformers
Equipment Description:	1T 480V SCREEN HOUSE ES SWGR 4160/480V XFMR

Photos





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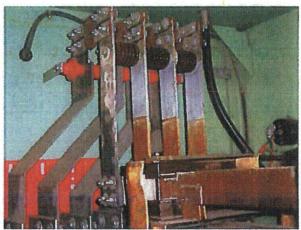
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1T-480V-SHES-XFMR	_	
	Equipment Class:	(4) Transformers	
	Equipment Description:	1T 480V SCREEN HOUSE ES SWGR 4160/480V XFMR	

Photos (Continue)





100_0496

100_0497



100_0500



100_0498

Seismic Walkdown Checklist (SWC)
Equipment ID No.: CC
Equipment Class: (20) Instrumentation and Control Panels and Cabinets
Equipment Description: CONTROL RM CONSOLE CENTER CONTROL PANEL
Project: TMI SWEL
Location (Bldg, Elev, Room/Area): CB, 355.00 ft, 19
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 doors/panels were opened and internal welds-to-floor were inspected. Some welds could not be seen due to cables and fire/water seals obstructing view, but the majority of welds were visible and in good condition. It is
reasonable to conclude that the obstructed welds are also in good condition.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: 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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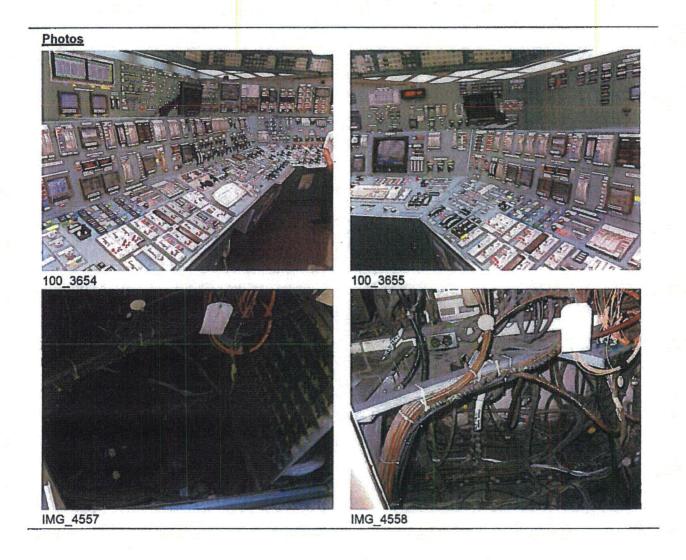
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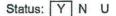
Seismic	Walkdown Checklist	(SWC)		Status:	Y
	Equipment ID No.:	СС			
	Equipment Class:	(20) Instrumentation and Control P	anels and Cabinets		
Ec		CONTROL RM CONSOLE CENTE			
	on Effects				
7. A	Are soft targets free fro	m impact by nearby equipment or st	ructures?		
		nt, distribution systems, ceiling tiles a t likely to collapse onto the equipme			
9. E	Do attached lines have	adequate flexibility to avoid damage	≥?		
		ismic interaction evaluations, is equi mic interaction effects?	ipment free of		
11. H	dversely affect the saf	d found no adverse seismic conditio ety functions of the equipment? pection and did not find any Other A			
Commer Equipme		accordance with Seismic Qualificati	ion No. SQ-T1-CC, R	ev 001	
Instrume	nt Calibration device w	as stored on top of CC panel. Remo	oved by operations.		
		Not a Seismic interaction issue.			
Evaluated	d by: Man	S Card Mark Etre	Date:	11/12/2012	
		Seth Baker		11/12/2012	
					AC-

Status: Y N U

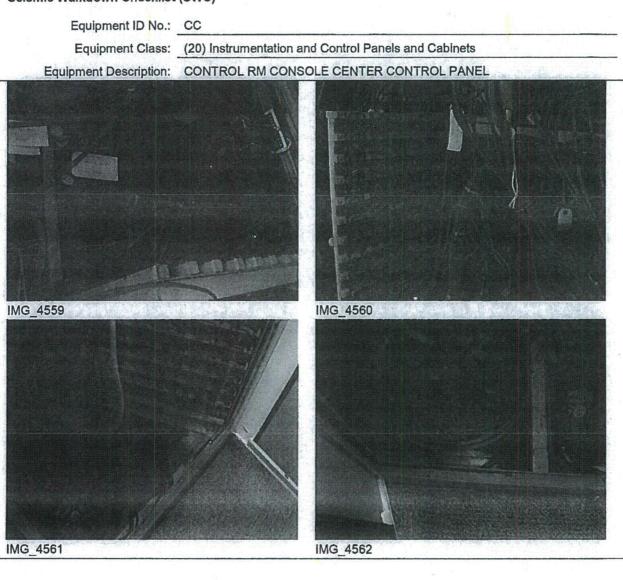
Seismic Walkdown Checklist (SWC)

Equipment ID No.:	CC	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	CONTROL RM CONSOLE CENTER CONTROL PANEL	





Seismic Walkdown Checklist (SWC)





Seismic Walkdown Checklist (SWC)

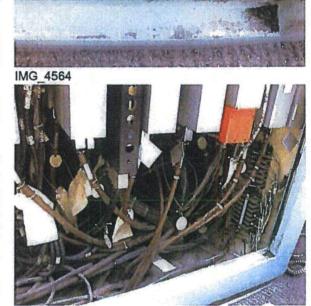
Equipment ID No.:	CC	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	CONTROL RM CONSOLE CENTER CONTROL PANEL	



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IMG_4565

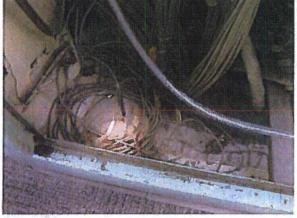


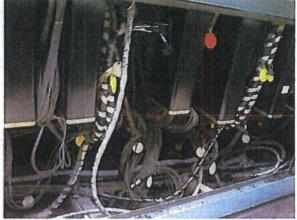
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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	CC	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	CONTROL RM CONSOLE CENTER CONTROL PANEL	





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IMG_4568

Three Mile Island Generating Station Unit 1 Correspondence NoteRS 14-532

Status: Y N U

Seismic Walkdown Checklist (SWC)
Equipment ID No. <u>DH-T-0001</u> Equip. Class ¹² (21) Tank & Heat Exchangers
Equipment Description Borated Water Storage Tank (BWST)
Location: Bldg. YO Floor El. 305' Room, Area
Manufacturer, Model, Etc. (optional but recommended) PrHsburg, DES MOINES STEEL CO.
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 the anchorage configuration verification required (i.e., is the item one Y N N N N of the 50% of SWEL items requiring such verification)?
2. Is the anchorage free of bent, broken, missing or loose hardware? YIN UN N/A
3. Is the anchorage free of corrosion that is more than mild surface Y IN U N/A N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors? YIN NO UNAD Cracks observed at growt area not at concret foundation
 5. Is the anchorage configuration consistent with plant documentation? Y N U N/A (Note: 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 Y V NU U potentially adverse seismic conditions?

¹² Enter the equipment class name from Appendix B: Classes of Equipment.

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Status: Y N U

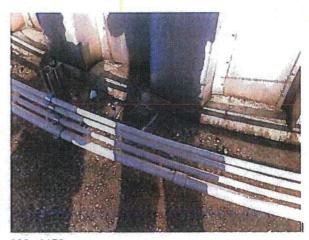
Seismic Walkdown Checklist (SWC)

Equipment ID No.:	DH-T-0001
Equipment Class:	(21) Tanks and Heat Exchangers

Equipment Description: BWST

Photos





IMG_1155



IMG_1163

MG_1159



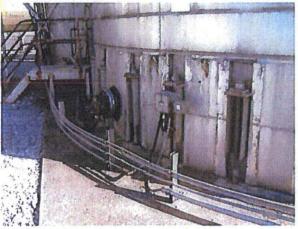
DSCN1735

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	DH-T-0001	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	BWST	All and a second se

Photos (continue)



DSCN1733





DCSN1729

DSCN1751

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	DH-T-0001	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	BWST	

Photos (continue)



DSCN1756



DSCN1757



DSCN1737



IMG_0250

Equipment ID No:: ED-PNL-1B Equipment Class: [14] Distribution Panels Equipment Description: 125/250V DC DIST PANEL 1B Project: TMI SWEL Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 18 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 queetions 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 1 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes Kick plates were removed and weids were inspected. 3. 3. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 4. 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.) 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? Yes potentia	Seismic Walkdown Checklist (SWC)	Status: YNU
Equipment Description: 125/250V DC DIST PANEL 18 Project: TMI SWEL Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 18 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 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes Kick plates were removed and welds were inspected. 3. 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 5. 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 is required.) Not Applicable 6. Based on the above anchorage evaluations, is the anchorage free of Yes Yes	Equipment ID No.: EED-PNL-1B	
Project: TMI SWEL Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 18 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 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes Kick plates were removed and welds were inspected. 3. 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 5. 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 is required.) Not Applicable 6. Based on the above anchorage evaluations, is the anchorage free of Yes Yes	Equipment Class: (14) Distribution Panels	
Location (Bidg, Elev, Room/Area): CB, 322.00 ft, 18 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 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes Kick plates were removed and welds were inspected. 3. 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 5. 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.) Not Applicable 6. Based on the above anchorage evaluations, is the anchorage free of Yes Yes	Equipment Description: 125/250V DC DIST PANEL 1B	<u></u>
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 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes Kick plates were removed and welds were inspected.	Project: TMI SWEL	
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% of SWEL items requiring such verification)? Is the anchorage free of bent, broken, missing or loose hardware? Yes Kick plates were removed and welds were inspected. Is the anchorage free of corrosion that is more than mild surface oxidation? 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 Is the anchorage configuration is required.) 	Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 18	
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Kick plates were removed and welds were inspected. 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 5. 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.) Not Applicable 6. Based on the above anchorage evaluations, is the anchorage free of Yes		
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 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. 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 	Kick plates were removed and welds were inspected.	
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 5. 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 	3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
 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 	4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
	This question only applies if the item is one of the 50% for which an anchorage	Not Applicable
		Yes

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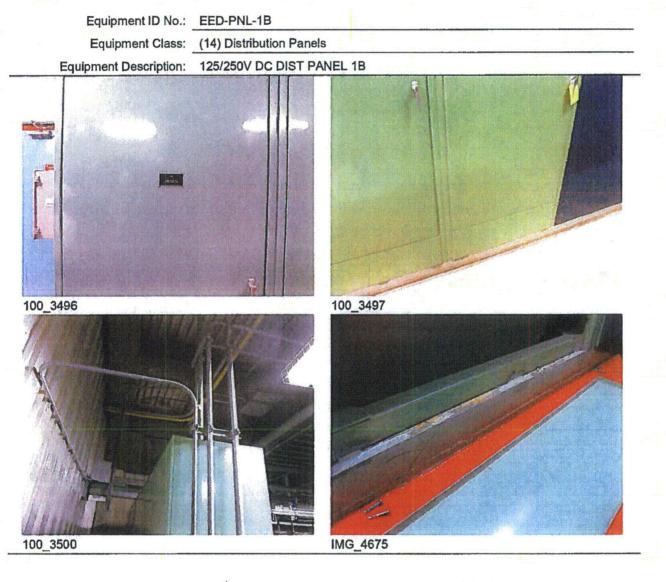
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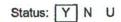
Seismic Walkdown	n Chacklist (SINC)	Status: Y N U
	ent ID No.: EED-PNL-1B	<u></u>
	nent Class: (14) Distribution Panels	
Equipment De		
Interaction Effects 7. Are soft targ	gets free from impact by nearby equipment or structures?	Yes
	ad equipment, distribution systems, ceiling tiles and lighting, and ock walls not likely to collapse onto the equipment?	Yes
9. Do attached	l lines have adequate flexibility to avoid damage?	Yes
	ne above seismic interaction evaluations, is equipment free of adverse selsmic interaction effects?	Yes
adversely af	boked for and found no adverse seismic conditions that could ffect the safety functions of the equipment? I kick plates were opened and no other Other Adverse Conditions	Yes
<u>Comments</u> Equipment was verif	fied to be in accordance with Seismic Qualification No. SQ-T1-1B-D	IC, Rev 000
Evaluated by:	Man S Erre Date:	11/13/2012
	Seth Baker	11/13/2012
<u>Photos</u>		AC-63
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Seismic Walkdown Checklist (SWC)

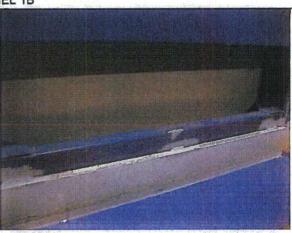




Seismic Walkdown Checklist (SWC)	Seismic	Walkdown	Checklist	(SWC)
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E	quipment ID No.:	EED-PNL-1B	
E	Equipment Class:	(14) Distribution Panels	
Equipment Description:	125/250V DC DIST PANEL 1B		





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Equipment ID No.:	EED-PNL-1B	a da anti-
Equipment Class:	(14) Distribution Panels	
Equipment Description:	125/250V DC DIST PANEL 1B	

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: SF-P-1B-BK Equipment Class: (1) Motor Control Centers Equipment Description: 1B ES MCC UNIT 6A Project: TMI SWEL Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 18 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 No Is anchorage configuration verification required (i.e., is the item one of the 50%) of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable Not Applicable 4. Is the anchorage free of visible cracks in the concrete near the anchors? 5. 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?

Seismic Walkdown Checklist (SWC)	Status: YNU
Equipment ID No.: SF-P-1B-BK	
Equipment Class: (1) Motor Control Centers	·····
Equipment Description: 1B ES MCC UNIT 6A	
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
<u>Other Adverse Conditions</u> 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? <i>Performed internal inspection and did not find any Other Adverse Condition</i>	Yes
<u>Comments</u> See SQ-T1-1B-480V-ES, Revision 000, This component is a subcomponent of 1B-48 anchorage to a civil structure.	30V-ES and has no
Evaluated by: Mark Etre Da	te: <u>11/13/2012</u>
Seth Baker	11/13/2012

Status: Y N U

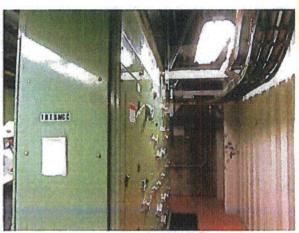
Seismic Walkdown Checklist (SWC)

Equipment ID No.:	SF-P-1B-BK	یند : ۲۰۰۱ - ۲۰۰۰ - ۲۰۰۰ ۲۰۰۱ - ۲۰۰۰ - ۲۰۰۰
Equipment Class:	(1) Motor Control Centers	na
Equipment Description:	1B ES MCC UNIT 6A	

Photos







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Status: YNU Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION
Equipment ID No.: TRB (SEE APPENDIX C PAGE C-276)
Equipment Class: (14) Distribution Panels
Equipment Description: 120V REG AC INSTR. POWER TRB
Project: TMI SWEL
Location (Bidg, Elev, Room/Area): CB, 322.00 ft, 24 : INVERTER RM 1B
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% of SWEL items requiring such verification)? Is the anchorage free of bent, broken, missing or loose hardware?
3. Is the anchorage free of corrosion that is more than mild surface oxidation?
4. Is the anchorage free of visible cracks in the concrete near the anchors?
 5. 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.) 6. Based on the above anchorage evaluations, is the anchorage free of - potentially adverse seismic conditions?
SEE SWC IN APPENDIX C FOR RESPONSES
Interaction Effects
7. Are soft targets free from impact by nearby equipment or structures?
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?
 9. Do attached lines have adequate flexibility to avoid damage?
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?
SEE SWC IN APPENDIX C FOR RESPONSES

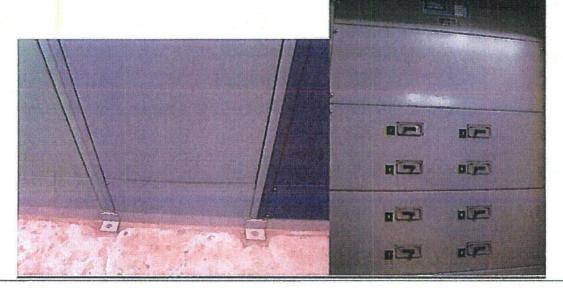
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Fouipr		SEE APPENDIX C PAG	E C-276)		
÷			E 0-210j		
	ment Class: (14) D		DTDD		
	Description: 120V	REG AC INSTR. POWE			
ther Adverse Co	onditions (SUPPLE	MENTAL CABINET INS	PECTION)		
		I no adverse seismic cor ctions of the equipment?			
e diama e a filiamania in fi	<u>8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</u>	ecured? (i.e. no loose or		s)	MNU
	e adjacent cabinets		initiality instanta	7	Mиu
	o other adverse seis				MNU
comments					
uipment has exte	rnal anchorage				
aipment nuo exte	maranonorage.	-			
		n an	4		
	Man SE	het			
valuated by:		Mark Etre	norman en Norman en	Date: 11/12/20)12
	Jaz	Mark Etre			
		Seth Baker	en en de die een een de see	11/12/20)12
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Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.:	TRB (SEE APPENDIX C PAGE C-276)
Equipment Class:	(14) Distribution Panels
Equipment Description:	120V REG AC INSTR. POWER TRB



Status: Y N U
Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION
Equipment ID No.: VBD (SEE APPENDIX C PAGE C- 279)
Equipment Class: (14) Distribution Panels
Equipment Description: 120V VITAL INST DIST PANEL 1D
Project: TMI SWEL
Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 24 : INVERTER ROOM 1B
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
1. Is anchorage configuration verification required (i.e., is the item one of the 50%
of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware?
3. Is the anchorage free of corrosion that is more than mild surface oxidation? -
4. Is the anchorage free of visible cracks in the concrete near the anchors?
5. 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.)
6. Based on the above anchorage evaluations, is the anchorage free of
potentially adverse selsmic conditions?
SEE SWC IN APPENDIX C FOR RESPONSES
Interaction Effects
7. Are soft targets free from impact by nearby equipment or structures? -
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and
masonry block walls not likely to collapse onto the equipment?
9. Do attached lines have adequate flexibility to avoid damage? -
10. Based on the above seismic interaction evaluations, is equipment free of
potentially adverse seismic interaction effects?
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SEE SWC IN APPENDIX C FOR RESPONSES

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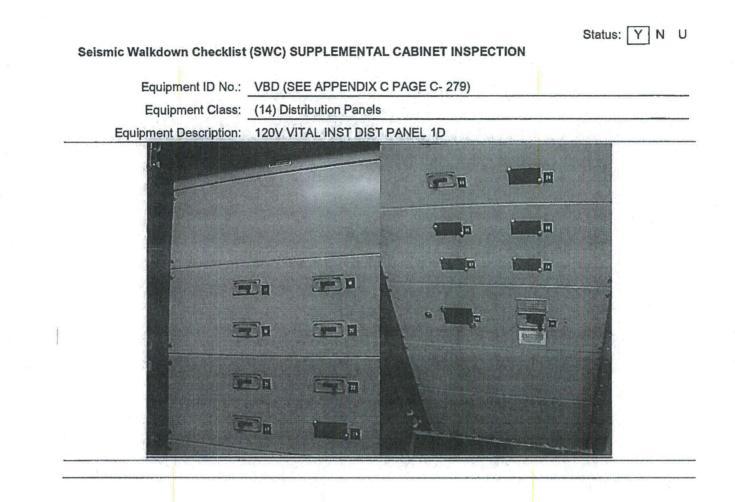
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	No.: VBD (SE		GE C- 279)			
	Class: (14) Distr					
Equipment Descri	ption: 120V VIT	AL INST DIST PAN	IEL 1D			
Other Adverse Condition	ons (SUPPLEME	NTAL CABINET IN	SPECTION)			
11. Have you looked				ld		
		ns of the equipmen ired? (i.e. no loose		ers)		MNU
b. Are adja	cent cabinets sec	cured together?				MNU
c. No othe	r adverse seismic	conditions?			an Billion ann an Airtean Bhann an Airtean	MNU
omments						
	m 1 1 5					
valuated by:	Non/S Elie Sold Bake	Mark Etre		Date:	11/12/2012	
_	Jost Bake	Seth Baker	Cr		11/12/2012	
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	Status: Y N U	U
Seism	ic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION	
	Equipment ID No.:EE-INV-1B (SEE APPENDIX C PAGE C-103)	
	Equipment Class: (16) Inverters	
	Equipment Description: INVERTER 1B ELEL6	
	Project: TMI SWEL	
Locatio	on (Bldg, Elev, Room/Area): CB, 322.00 ft, 24 : INVERTER ROOM B	_
	Manufacturer/Model:	
Instru	ctions for Completing Checklist	
	hecklist may be used to document the results of the Seismic Walkdown of an item of equipment on the	
	. The space below each of the following questions may be used to record the results of judgments and s. Additional space is provided at the end of this checklist for documenting other comments.	
Ancho		
	Is anchorage configuration verification required (i.e., is the item one of the 50% -	
	of SWEL items requiring such verification)?	
2.	Is the anchorage free of bent, broken, missing or loose hardware?	
3.	Is the anchorage free of corrosion that is more than mild surface oxidation?	•
4.	Is the anchorage free of visible cracks in the concrete near the anchors?	•
5.	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	
6.	configuration verification is required.) Based on the above anchorage evaluations, is the anchorage free of -	
0.	potentially adverse seismic conditions?	•
	SEE SWC IN APPENDIX C FOR RESPONSES	
Intera	ction Effects	
7.	Are soft targets free from impact by nearby equipment or structures? -	
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and	•
•	masonry block walls not likely to collapse onto the equipment?	
9.	Do attached lines have adequate flexibility to avoid damage? -	•
10.	Based on the above seismic interaction evaluations, is equipment free of - potentially adverse seismic interaction effects?	,
	SEE SWC IN APPENDIX C FOR RESPONSES	

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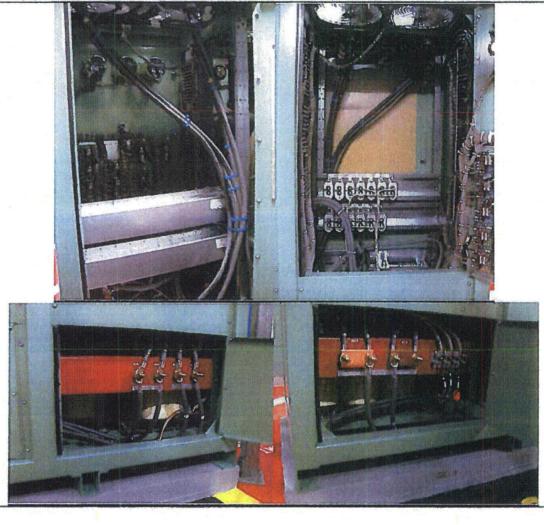
E	quipment ID No.:	EE-INV-1B (SEE APPENDIX	C PAGE C-103)			
in ant i	Equipment Class:	(16) Inverters	5				
Equip	ment Description:	INVERTER 1	IB ELEL6				
ther Adver	se Conditions (S	UPPLEMENT	AL CABINET IN	PECTION)			
	you looked for an				ł		
	rsely affect the sat						-
	a. Internal compo			r <mark>m</mark> issing fastene	rs)		MNU
	b. Are adjacent ca						pplicable
(. No other adver	se seismic coi	nditions?				MNU
omments							
	s external anchora	ge.					
	s external anchora	ge.					Si Si Lider House support
uipment ha							
uipment ha			ļ Mark Etre		Date:	11/14/2012	
		S Evel a Bahn	Mark Etre Seth Baker		Date:	<u>11/14/2012</u> 11/14/2012	



Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.:	EE-INV-1B (SEE APPENDIX C PAGE C-103)		
Equipment Class:	(16) Inverters	an i ar an	
Equipment Description:	INVERTER 1B ELEL6		



Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.:	EE-INV-1B (SEE APPENDIX C PAGE C-103)	enere 	
Equipment Class:	(16) Inverters		
Equipment Description:	INVERTER 1B ELEL6		
	The second secon		
	Lister and a state		
	and the second s		

Seism	Status: Y	NU
	Equipment ID No.:EE-INV-1F (SEE APPENDIX C PAGE C-106)	
	Equipment Class: (16) Inverters	
	Equipment Description: 1F INVERTER	
	Project: TMI SWEL	
Locatio	on (Bidg, Elev, Room/Area): CB, 322.00 ft, 24 : CONTROL TWR 322: A INVERTER ROOM	
	Manufacturer/Model:	
Instru	ctions for Completing Checklist	
	necklist may be used to document the results of the Seismic Walkdown of an item of equipment on th	
	. The space below each of the following questions may be used to record the results of judgments and of this sharklist for documenting other commenter.	nd
	s. Additional space is provided at the end of this checklist for documenting other comments.	
Ancho		····
1.	······································	-
~	of SWEL items requiring such verification)?	
2.	Is the anchorage free of bent, broken, missing or loose hardware?	-
3.	Is the anchorage free of corrosion that is more than mild surface oxidation?	-
4.	Is the anchorage free of visible cracks in the concrete near the anchors?	-
5.	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	
6.	configuration verification is required.) Based on the above anchorage evaluations, is the anchorage free of	_
υ.	potentially adverse seismic conditions?	-

SEE SWC IN APPENDIX C FOR RESPONSES

Interaction Effects

í

7.	Are soft targets free from impact by nearby equipment or structures?	
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	-
9.	Do attached lines have adequate flexibility to avoid damage?	-
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	-

SEE SWC IN APPENDIX C FOR RESPONSES

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and an all the

Seismic Walkdown Checklist	(SWC) SUPPLEMENTAL CABINET INSPECTION	Status: Y N U
Equipment ID No.:	EE-INV-1F (SEE APPENDIX C PAGE C-106)	1
Equipment Class:	(16) Inverters	1 1 1
Equipment Description:	1F INVERTER	analalan analar sa tan wasan analan ang ang ang ang ang ang ang ang ang a
Other Adverse Conditions (S	JPPLEMENTAL CABINET INSPECTION)	
	d found no adverse seismic conditions that could	a na na na falana an finisan falangan na hana ana hana ana ha
	ety functions of the equipment? nents secured? (i.e. no loose or missing fasteners)	MNU
b. Are adjacent c	abinets secured together?	Not Applicable
c. No other adver	se seismic conditions?	Миυ

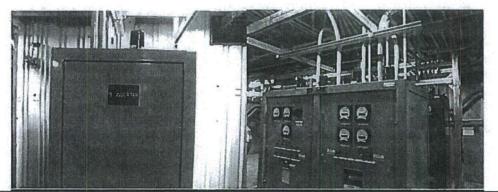
Comments

Equipment has external anchorage.

The upper right nut for the power terminal board restraint (rear panel) on the 1F Inverter is not fully engaged. This is one (1) nut out of four (4) nuts total that supports the board. Based on the engineering inspection there is reasonable assurance that the remaining three (3) nuts provides adequate restraint of the board to preclude any seismic interaction concern. The remaining three nuts were observed to be adequately tight and engaged. This is being tracked under IR 01439548.

Evaluated by:	Man S Eline Mark Etre	Date:	11/13/2012
	Jut Baker Seth Baker		11/13/2012

Photos

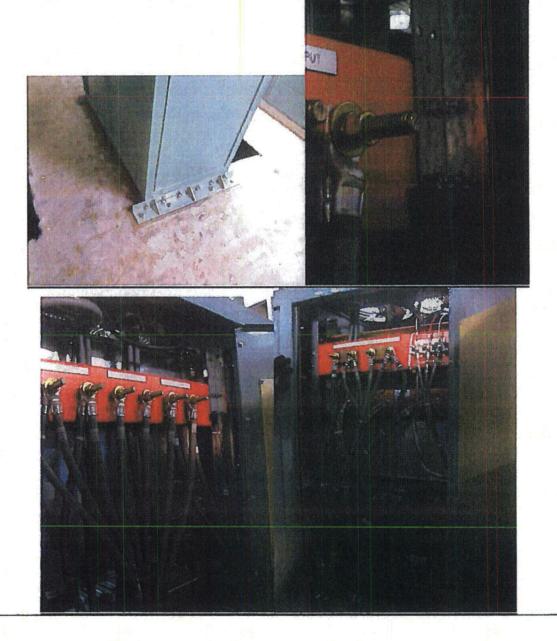


AC-81

Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.:	EE-INV-1F (SEE APPENDIX C PAGE C-106)		
Equipment Class:	(16) Inverters		
Equipment Description:	1F INVERTER		



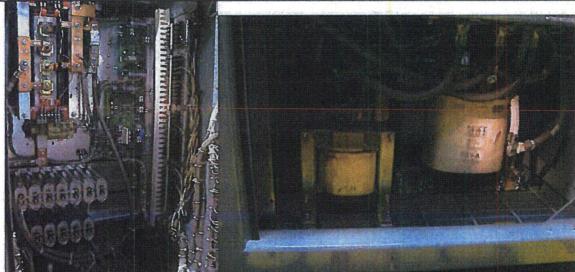
Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.: EE-INV-1F (SEE APPENDIX C PAGE C-106)

Equipment Class: (16) Inverters

Equipment Description: 1F INVERTER





Status: Y N U Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION Equipment ID No.: 1B (SEE APPENDIX C PAGE C-7) Equipment Class: (20) Instrumentation and Control Panels and Cabinets Equipment Description: ENGINEERED SAFEGUARDS CABINET 1B Project: TMI SWEL Location (Bldg, Elev, Room/Area): CB, 338.50 ft, 20 : ESAS CABINET ROOM 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 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? 3. Is the anchorage free of corrosion that is more than mild surface oxidation? 4. Is the anchorage free of visible cracks in the concrete near the anchors? 5. 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.) Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? SEE SWC IN APPENDIX C FOR RESPONSES Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? 9. Do attached lines have adequate flexibility to avoid damage? 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

SEE SWC IN APPENDIX C FOR RESPONSES

				Status:	YN U
Seismic Walkdow	n Checklist (SWC) SUPPLEMENTAL CABINET IN	SPECTION		
Equipm	nent ID No.: 1B (S	SEE APPENDIX C PAGE C-7)			
		Instrumentation and Control Panel	Is and Cabinets		
		INEERED SAFEGUARDS CABIN			
Other Adverse Co	onditions (SUPPLE	EMENTAL CABINET INSPECTIO	<u>N)</u>		
		d no adverse seismic conditions the	hat could		
		nctions of the equipment? secured? (i.e. no loose or missing	fasteners)		MNU
		s secured together?			MNU
c. No	other adverse seis	smic conditions?			Μ̈́NU
Comments					
	8 - 64 				
Equipment has exten	mal anchorage.			1	
			ana Ang Ang ang ang ang ang ang ang ang ang ang a		
	mIIE	\$			
Evaluated by:	Man SE	Mark Etre	Date:	11/12/2012	2
	Jaz	Seth Baker		11/12/2012	
				-	
Photos:					
after shirts	Carl Stree				
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		• COMPARTMENT IB **			
		* COMPARTMENT IB			

AC-85

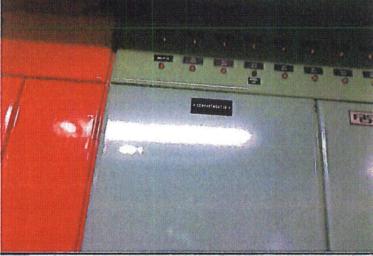
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Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.:	1B (SEE APPENDIX C PAGE C-7)	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	ENGINEERED SAFEGUARDS CABINET 1B	





	ΥNU
Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION	
Equipment ID No.: 3B (SEE APPENDIX C PAGE C-13)	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: ESAS ACTUATION CABINET 3B	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): CB, 338.50 ft, 20 : ESAS CABINET AREA	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment of	
SWEL. The space below each of the following questions may be used to record the results of judgmen	its and
findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
1. Is anchorage configuration verification required (i.e., is the item one of the 50%	-
of SWEL items requiring such verification)?	
2. Is the anchorage free of bent, broken, missing or loose hardware?	-
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	-
4. Is the anchorage free of visible cracks in the concrete near the anchors?	-
5. 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.)	
6. Based on the above anchorage evaluations, is the anchorage free of	-
potentially adverse seismic conditions?	
SEE SWC IN APPENDIX C FOR RESPONSES	
Interaction Effects	

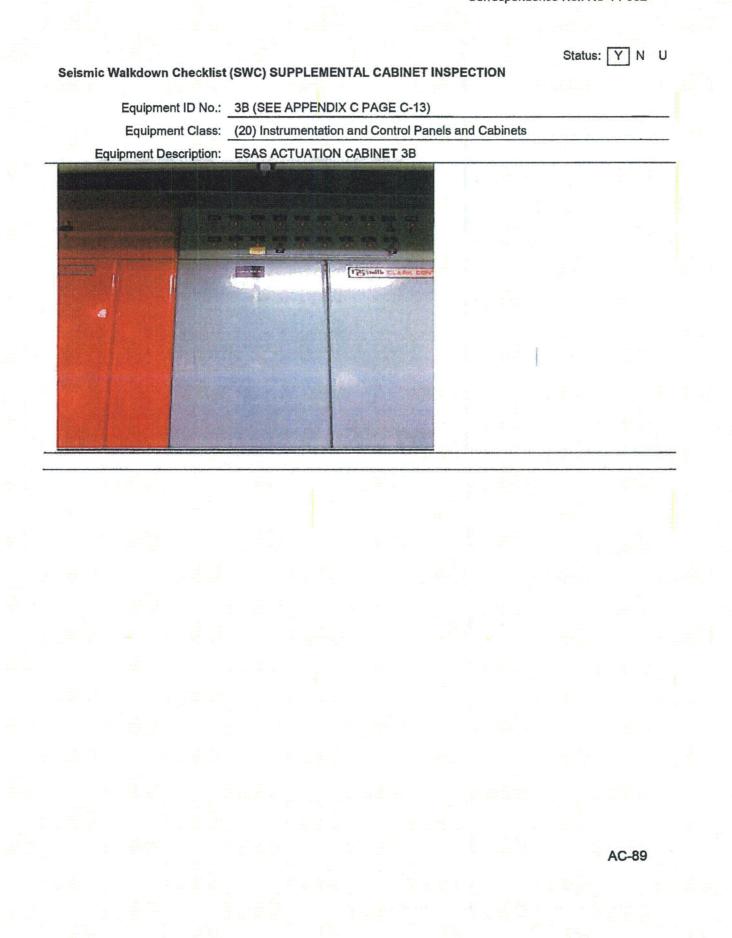
7.	Are soft targets free from impact by nearby equipment or structures?	-
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and	-
	masonry block walls not likely to collapse onto the equipment?	
9.	Do attached lines have adequate flexibility to avoid damage?	-
10.	Based on the above seismic interaction evaluations, is equipment free of	-
	potentially adverse seismic interaction effects?	

SEE SWC IN APPENDIX C FOR RESPONSES

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Seismic Walkdown Checklist	(SWC) SUPPLEMENTAL CABINET IN	Status: Y N	U
Equipment ID No.:	3B (SEE APPENDIX C PAGE C-13)		
Equipment Class:	(20) Instrumentation and Control Panel	s and Cabinets	
Equipment Description:	ESAS ACTUATION CABINET 3B		
Other Adverse Conditions (Si	JPPLEMENTAL CABINET INSPECTIO	<u>N)</u>	
adversely affect the saf a. Internal compo b. Are adjacent ca	d found no adverse seismic conditions the ety functions of the equipment? nents secured? (i.e. no loose or missing abinets secured together? se seismic conditions?		
Comments			
quipment has external anchora	ge.		
Evaluated by:	S Cho Mark Etre	Date: 11/12/2012	
	Seth Baker		
Photos			
TITE			
No and All	1		



Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.: 4B (SEE APPENDIX C PAGE C-16)

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: ESAS ACTUATION CABINET 4B

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): CB, 338.50 ft, 20 : ESAS CABINET AREA

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

	1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	1	-
	2 .	Is the anchorage free of bent, broken, missing or loose hardware?	4	-
	3.	Is the anchorage free of corrosion that is more than mild surface oxidation?		-
`	4.	Is the anchorage free of visible cracks in the concrete near the anchors?		-
	5.	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.)		-
	6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse selsmic conditions?		-

SEE SWC IN APPENDIX C FOR RESPONSES

Interaction Effects

		_
7.	Are soft targets free from impact by nearby equipment or structures?	-
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	-
9.	Do attached lines have adequate flexibility to avoid damage?	-
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	-

SEE SWC IN APPENDIX C FOR RESPONSES

Seismic Walkdown			
	nt ID No.: 4B (SEE APPENDI)		
		and Control Panels and Cabinets	
Equipment De	escription: ESAS ACTUATION	CABINET 4B	
Other Adverse Con	ditions (SUPPLEMENTAL CAE	BINET INSPECTION)	
adversely af a. Inter b. Are	oked for and found no adverse s fect the safety functions of the ed rnal components secured? (i.e. n adjacent cabinets secured toget other adverse seismic conditions	quipment? oo loose or missing fasteners) her?	Мии Мии Мии
Comments			
quipment has extern	al anchorage.		
			and many management of the second
	1, 0		
	mal & Ett		
Evaluated by:	Man S Etre Mark	Etre Date:	11/12/2012
Evaluated by:	Mary S Cher Mark	Etre Date:	11/12/2012
Evaluated by:	Man S Etwo Mark Sea Baken Seth Ba		11/12/2012
Evaluated by:	Marl S Cive Mark Sol Baker Seth Ba		
Evaluated by:	Man S Clove Mark Sold Baken Seth Ba		
Evaluated by:	Man S Chee Mark Sol Baken Seth Ba		
	Man S Elwer Sold Baken Seth Ba		
	Man S Etwe Set Baker Seth Ba		
	Man S Etwe Sort Baken Seth Ba		
	Man S Ctwo Set Baker Seth Ba		
	Man S Etwe Sort Baker Seth Ba		
	Man S Ctool Sott Baken Seth Ba		
	Man S Ctoo Set Bahn Seth Ba		
	Man S Cover Mark		
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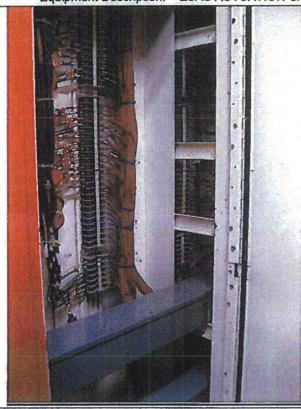
Status: Y N U

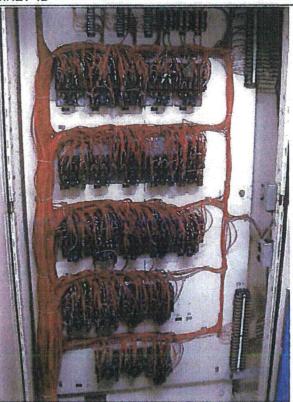
Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

 Equipment ID No.:
 4B (SEE APPENDIX C PAGE C-16)

 Equipment Class:
 (20) Instrumentation and Control Panels and Cabinets

 Equipment Description:
 ESAS ACTUATION CABINET 4B

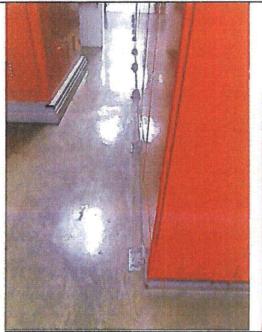


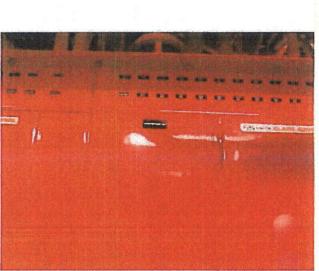


Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.:	4B (SEE APPENDIX C PAGE C-16)
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	ESAS ACTUATION CABINET 4B





Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.: 5B (SEE APPENDIX C PAGE C-19)

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: ESAS ACTUATION CABINET 5B

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): CB, 338.50 ft, 20 : ESAS CABINET AREA

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

	•	
1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	-
2.		-
3.	Is the anchorage free of corrosion that is more than mild surface oxidation?	-
4.	Is the anchorage free of visible cracks in the concrete near the anchors?	-
g	Is the anchorage configuration consistent with plant documentation? (Note:	

- 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.)
- 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

SEE SWC IN APPENDIX C FOR RESPONSES

Interaction Effects

7.	Are soft targets free from impact by nearby equipment or structures?	
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	-
9 .	Do attached lines have adequate flexibility to avoid damage?	-
10.	Based on the above seismic interaction evaluations, is equipment free of	-

SEE SWC IN APPENDIX C FOR RESPONSES

potentially adverse seismic interaction effects?

Status:	Y	N	U

Faultan		
	nent ID No.: 5B (SEE APPENDIX C PAGE C-19) nent Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment D	Description: ESAS ACTUATION CABINET 5B	
Other Adverse Co	onditions (SUPPLEMENTAL CABINET INSPECTION)	
	ooked for and found no adverse seismic conditions that could	
	affect the safety functions of the equipment?	
	ernal components secured? (i.e. no loose or missing fasteners) e adjacent cabinets secured together?	Ми u Ми u
	o other adverse seismic conditions?	
Comments		
<u>Sources</u>		
quipment has exten	rnal anchorage.	
	Man S Elize Mark Etre Date:	
Evaluated by:	Mark Etre Date:	11/12/2012
	Just Baker Seth Baker	11/12/2012
	Geui Bakei	11/12/2012
hotos		
Photos		

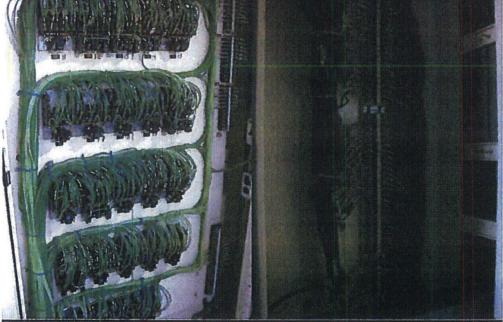
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Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.:	5B (SEE APPENDIX C PAGE C-19)
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	ESAS ACTUATION CABINET 5B





Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.:	BS-PS-0933 (SEE APPENDIX C PAGE C-48)

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: RB PRESSURE SWITCH FOR ESAS ACTUATION

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): AB, 305.00 ft, 13 : ON RB WALL ABOVE IC-F-1A

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.

<u>Anchorage</u>

1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	 .	•
2.	is the anchorage free of bent, broken, missing or loose hardware?	ł	-
3.	Is the anchorage free of corrosion that is more than mild surface oxidation?		-
4.	Is the anchorage free of visible cracks in the concrete near the anchors?		-
5.	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.)		-
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?		-

SEE SWC IN APPENDIX C FOR RESPONSES

Interaction Effects

7.	Are soft targets free from impact by nearby equipment or structures?	-
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	-
9.	Do attached lines have adequate flexibility to avoid damage?	-
10.	Based on the above seismic interaction evaluations, is equipment free of	-

SEE SWC IN APPENDIX C FOR RESPONSES

potentially adverse seismic interaction effects?

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Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION	Status: Y N U
Equipment ID No.: BS-PS-0933 (SEE APPENDIX C PAGE C-48)	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: RB PRESSURE SWITCH FOR ESAS ACTUATION	
Other Adverse Conditions (SUPPLEMENTAL CABINET INSPECTION)	
 11. Have you looked for and found no adverse selsmic conditions that could adversely affect the safety functions of the equipment? a. Internal components secured? (i.e. no loose or missing fasteners) b. Are adjacent cabinets secured together? c. No other adverse seismic conditions? 	M N U Not Applicable M N U
Comments	
Equipment has external anchorage.	
Evaluated by: Mark Etre Date:	11/13/2012 11/13/2012

Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.:	BS-PS-0933 (SEE APPENDIX C PAGE C-48)	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	RB PRESSURE SWITCH FOR ESAS ACTUATION	



Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.: CRD-CB-1D (SEE APPENDIX C PAGE C- 67) Equipment Class: (20) Instrumentation and Control Panels and Cabinets Equipment Description: CRD CIRCUIT BREAKER 1D Project: TMI SWEL Location (Bldg, Elev, Room/Area): CB, 338.50 ft, 27 : PATIO ROOM, ELEVATION 338' 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** 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? 3. Is the anchorage free of corrosion that is more than mild surface oxidation? 4. Is the anchorage free of visible cracks in the concrete near the anchors? 5. 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.)

 Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

SEE SWC IN APPENDIX C FOR RESPONSES

Interaction Effects

7.	Are soft targets free from impact by nearby equipment or structures?	-
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and	-
9.	masonry block walls not likely to collapse onto the equipment? Do attached lines have adequate flexibility to avoid damage?	-
10.	Based on the above seismic interaction evaluations, is equipment free of	-

The alternation is a second second second

SEE SWC IN APPENDIX C FOR RESPONSES

potentially adverse seismic interaction effects?

Status:	Y	N	U

Seismic Walkdown Checklist	(SWC) SUPPLEMENTAL CABINET INSPECTION	
Equipment ID No.:	CRD-CB-1D (SEE APPENDIX C PAGE C- 67)	8 (19 10)
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	CRD CIRCUIT BREAKER 1D	
Other Adverse Conditions (S	UPPLEMENTAL CABINET INSPECTION)	
	d found no adverse seismic conditions that could	
	ety functions of the equipment? nents secured? (i.e. no loose or missing fasteners)	MNU
	abinets secured together?	М́мυ
c. No other adver	se seismic conditions?	ΜNU
Comments		
Equipment has external anchora	ge.	
Back panel of the breaker consis	ted of large grating that provided suitable view of the internals.	

	Man & Elist		
Evaluated by:	Mark Etre	Date:	11/12/2012
	Juit Baker Seth Baker		11/12/2012



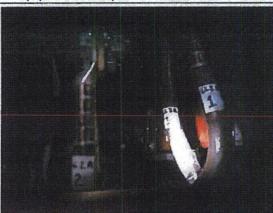
Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

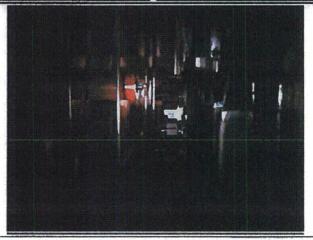
 Equipment ID No.:
 CRD-CB-1D (SEE APPENDIX C PAGE C- 67)

 Equipment Class:
 (20) Instrumentation and Control Panels and Cabinets

 Equipment Description:
 CRD CIRCUIT BREAKER 1D







Status: Y N U Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION Equipment ID No.: EE-PNL-VBB (SEE APPENDIX C PAGE C-109) Equipment Class: (20) Instrumentation and Control Panels and Cabinets Equipment Description: VBB 120 VAC PANEL Project: TMI SWEL Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 24 : CONTROL TWR 322: B INVERTER ROOM 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 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? 3. Is the anchorage free of corrosion that is more than mild surface oxidation? 4. Is the anchorage free of visible cracks in the concrete near the anchors? 5. 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.) 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

SEE SWC IN APPENDIX C FOR RESPONSES

Interaction Effects

7.	Are soft targets free from impact by nearby equipment or structures?	
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	-
9.	Do attached lines have adequate flexibility to avoid damage?	-
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	-

SEE SWC IN APPENDIX C FOR RESPONSES

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Equipme	ent ID No.: EE-PNI	VBB (SEE APPENDIX C PAG	GE C-109)		
	Concernant and the second	rumentation and Control Pane	and the second sec		
	escription: VBB 120				
Equipment		WAGT MALL			
Other Adverse Con	nditions (SUPPLEME	ENTAL CABINET INSPECTIO	<u>IN)</u>		
		o adverse seismic conditions t	hat could		
	ffect the safety functio	ons of the equipment? ured? (i.e. no loose or missing	(fasteners)		MNU
b. Are	adjacent cabinets sed	cured together?			MNU
c. No	other adverse seismic	c conditions?	600		MNU
<u>Comments</u>					
uinmont has auto-	nal anabarasa				
uipment has exten	nai anchorage.				
	Man! & Elect	7			
Evaluated by:	Man S Eline	/ Mark Etre	Date:	11/12/2012	
Evaluated by:	Mar S Etre	Mark Etre	Date:		
Evaluated by: -	Marl & Etro Sort Barn	Mark Etre	Date:	11/12/2012 11/12/2012	
Evaluated by: _	Marl & Etwo Sort Bake	Mark Etre	Date: _		
	Marl & Etro Sota Bak	Mark Etre	Date:		
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1 () 1	Marl & Ethe Sola Bah	Mark Etre Seth Baker	Date:		
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1 () 1	Man S Ette Sola Bahn	Mark Etre Seth Baker	Date:		
2 1 1		Mark Etre Seth Baker	Date:		
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1 () 1		Mark Etre Seth Baker	Date:		
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1 () 1		Seth Baker	Date:		
1 () 1		Mark Etre Seth Baker			
1 () 1		Seth Baker			

Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.:	EE-PNL-VBB (SEE APPENDIX C PAGE C-109)
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	VBB 120 VAC PANEL



Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.: HSPS-CH-2 (SEE APPENDIX C PAGE C-149)

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: HSPS CHANNEL 2

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): CB, 338.50 ft, 27 : CONTROL TWR 338: PATIO

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.

rage	
Is anchorage configuration verification required (i.e., is the item one of the 50%	
of SWEL items requiring such verification)?	
Is the anchorage free of bent, broken, missing or loose hardware?	-
Is the anchorage free of corrosion that is more than mild surface oxidation?	-
Is the anchorage free of visible cracks in the concrete near the anchors?	-
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.)	
Based on the above anchorage evaluations, is the anchorage free of	-
potentially adverse seismic conditions?	
	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Is the anchorage free of bent, broken, missing or loose hardware? Is the anchorage free of corrosion that is more than mild surface oxidation? Is the anchorage free of visible cracks in the concrete near the anchors? 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.) Based on the above anchorage evaluations, is the anchorage free of

SEE SWC IN APPENDIX C FOR RESPONSES

Interaction Effects

7.	Are soft targets free from impact by nearby equipment or structures?	· · · · · · · · · · · · · · · · · · ·
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	-
9.	Do attached lines have adequate flexibility to avoid damage?	. -
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	-

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SEE SWC IN APPENDIX C FOR RESPONSES

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	HSPS-CH-2 (SEE APPENDIX C PAGE C-149) (20) Instrumentation and Control Panels and Cabinets	
Equipment Description:		
	UPPLEMENTAL CABINET INSPECTION)	
	nd found no adverse seismic conditions that could	
a. Internal compo b. Are adjacent c	fety functions of the equipment? onents secured? (i.e. no loose or missing fasteners) abinets secured together? rse seismic conditions?	Мии Мии Мии
Comments		
valuated by:	a Baker	2/2012
	Mark Etre Date: 11/1 Baker 11/1	2/2012 2/2012
valuated by:	Mark Etre Date: 11/1 Baker 11/1	
	Mark Etre Date: 11/1 Both Seth Baker 11/1	

Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.:	HSPS-CH-2 (SEE APPENDIX C PAGE C-149)
	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	HSPS CHANNEL 2



Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

Equipment ID No.:	HSPS-CH-2 (SEE APPENDIX C PAGE C-149)
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	HSPS CHANNEL 2



Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION Equipment ID No.: RR-S-1B (SEE APPENDIX C PAGE C-222) Equipment Class: (20) Instrumentation and Control Panels and Cabinets Equipment Description: RR-S-1B CONTROL PANEL Project: TMI SWEL Location (Bidg, Elev, Room/Area): IPH, 305.00 ft, 29 : RIVER WATER PUMP ROOM 'B' SOUTH CUBICLE 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 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 2. Is the anchoraige free of bent, broken, missing or loose hardware? 3. Is the anchorage free of corrosion that is more than mild surface oxidation? 4. Is the anchorage free of visible cracks in the concrete near the anchors? 5. Is the anchorage configuration consistent with plant documentation? (Note: This guestion 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 potentially adverse seismic conditions? SEE SWC IN APPENDIX C FOR RESPONSES

7. Are soft targets free from impact by nearby equipment or structures? 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? 9. Do attached lines have adequate flexibility to avoid damage? 10. Based on the above seismic interaction evaluations, is equipment free of

SEE SWC IN APPENDIX C FOR RESPONSES

potentially adverse seismic interaction effects?

Interaction Effects

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Seismic Walkdown Checklis	t (SWC) SUPPLEMENTAL CABINET INSPECTION	Status: Y N U
Equipment ID No.	RR-S-1B (SEE APPENDIX C PAGE C-222)	
Equipment Class	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description	RR-S-1B CONTROL PANEL	
Other Adverse Conditions (SUPPLEMENTAL CABINET INSPECTION)	
adversely affect the s	nd found no adverse seismic conditions that could afety functions of the equipment? onents secured? (i.e. no loose or missing fasteners)	Миu
b. Are adjacent	cabinets secured together? erse seismic conditions?	Not Applicable ∭ N U

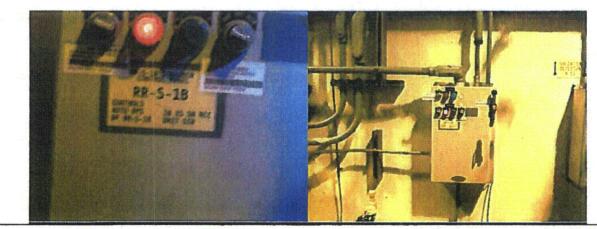
Comments

Equipment has external anchorage.

The ground connection on the RR-S-1B control panel was observed to be loose. The ground cable remains connected. Per electrical maintenance, no electrical concern was identified. Per engineering inspection the loose ground connection does not represent a seismic concern for the panel. This is being tracked under IR 01439557.

Man S Eter Mark Etre Date: 11/13/2012 Evaluated by: Seth Baker 11/13/2012

Photos



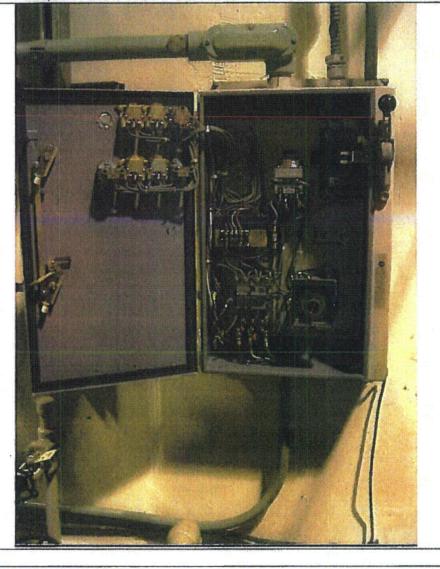
Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

 Equipment ID No.:
 RR-S-1B (SEE APPENDIX C PAGE C-222)

 Equipment Class:
 (20) Instrumentation and Control Panels and Cabinets

 Equipment Description:
 RR-S-1B CONTROL PANEL



Status: Y N U

	Seism	ic Walkdown Checklist	(SWC) SUPPLEMENTAL CABINET INSPECTION	
		Equipment ID No.:	XCLA (SEE APPENDIX C PAGE C-282)	
		Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
		Equipment Description:	XCLA RELAY PANEL	
-		Proje	ect: TMI SWEL	
			CB, 338.50 ft, 23 : RELAY ROOM, SOUTH OF CRD CONTROL	
	Locatio	on (Bldg, Elev, Room/Are		
-		Manufacturer/Moo		
		tions for Completing C		
		•	locument the results of the Seismic Walkdown of an item of equipment on the of the following questions may be used to record the results of judgments and	
		•	ovided at the end of this checklist for documenting other comments.	
-	Ancho	rage		
-	1.		tion verification required (i.e., is the item one of the 50%	-
I	-	of SWEL items requirin	-	
	2.	Is the anchorage free o	f bent, broken, missing or loose hardware?	-
	3.	Is the anchorage free o	f corrosion that is more than mild surface oxidation?	-
	4.	Is the anchorage free o	f visible cracks in the concrete near the anchors?	-
	5.		uration consistent with plant documentation? (Note:	-
			ies if the item is one of the 50% for which an anchorage	
	e	configuration verificatio	n is required.) chorage evaluations, is the anchorage free of	
	θ.	potentially adverse seis		-
		,		
		SEE SWC IN APPEND	IX C FOR RESPONSES	
-	Interac	tion Effects		
-		· · · · · · · · · · · · · · · · · · ·	m impact by nearby equipment or structures?	
		-	nt, distribution systems, ceiling tiles and lighting, and	-
			t likely to collapse onto the equipment?	
	9.	Do attached lines have	adequate flexibility to avoid damage?	-
	10.	Based on the above se potentially adverse seis	ismic interaction evaluations, is equipment free of mic interaction effects?	-
		SEE SWC IN APPEND	IX C FOR RESPONSES	

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Seismic Walkdown Checklist	(SWC) SUPPLEMENTAL CABINET INSPECTION	Status: Y N U
Equipment ID No.:	XCLA (SEE APPENDIX C PAGE C-282)	
Equipment Class:	(20) Instrumentation and Control Panels and Cabine	ts
Equipment Description:	XCLA RELAY PANEL	
Other Adverse Conditions (S	UPPLEMENTAL CABINET INSPECTION)	
	nd found no adverse seismic conditions that could fety functions of the equipment?	
	nents secured? (i.e. no loose or missing fasteners)	ΜNU
	abinets secured together?	Not Applicable
c. No other adver	rse seismic conditions?	MNU

Comments

Equipment has external anchorage.

A small box of light bulbs is stored in the cabinet, secured between the cabinet wall and bundled wires. The manner in which the box is secured will prevent it from impacting any components within the cabinet during a seismic event.

Man S Elie Mark Etre Evaluated by: Date: 11/12/2012 Seth Baker 11/12/2012

Photos





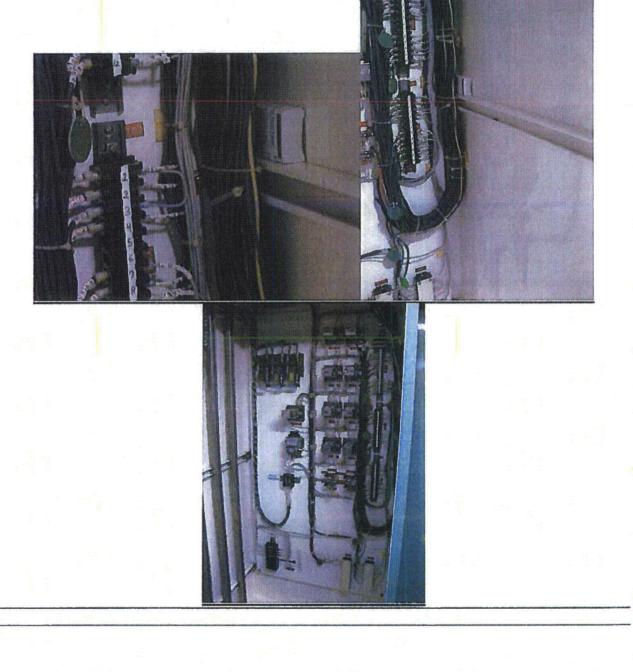
Status: Y N U

Seismic Walkdown Checklist (SWC) SUPPLEMENTAL CABINET INSPECTION

 Equipment ID No.:
 XCLA (SEE APPENDIX C PAGE C-282)

 Equipment Class:
 (20) Instrumentation and Control Panels and Cabinets

 Equipment Description:
 XCLA RELAY PANEL



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AD Area Walk-By Checklists (AWCs)

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Table AD-1 provides the building, elevation, and location of each area as well as a list of SWEL items associated with each area, and page numbers of each Area Walk-By Checklist. All items in Table D-1 were additional Area Walk-By performed during the follow-on walkdowns.

1.1.1

AREA WALK-BY	DESCRIPTION	ID	COMMENTS	PAGE
		DH-T-0001		
8	DH-T-0001	CO-V-0010B		AD-3
		CO-T-0001B	1	

Table AD-1. Summary of Area Walk-By Checklists

Table AD-1, Page 1 of 1

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AD-2

Status: 🕅 N U

is for Completing Ch ist may be used to doo veach of the following space is provided at th s anchorage of equipn ntially adverse seismining cabinets)?	sument the results g questions may b e end of this chec went in the area ap	e used to record the klist for documen pear to be free of	he results of the test of test	judgments and findin	ıgs.
ntially adverse seismi					
			essarily		
s anchorage of equipn aded conditions?	ient in the area ap	pear to be free of	significant	Y๗๎ №	, <mark>C</mark>
ways and HVAC duct mic conditions (e.g., c	ing appear to be for a support of	ree of potentially rts is adequate and	adverse d fill	Y N U N/A	. G
ractions with other equ ting)? Arby lighting fi	ipment in the are three does no	a (e.g., ceiling tile	es and		Ú
	aded conditions? ad on a visual inspection ways and HVAC duct nic conditions (e.g., conditions of cable trays a litions of cable trays a s it appear that the are actions with other equing)? arby high fing first	aded conditions? ed on a visual inspection from the floor, ways and HVAC ducting appear to be finic conditions (e.g., condition of suppor litions of cable trays appear to be inside s it appear that the area is free of potent actions with other equipment in the area ing)?	aded conditions? ed on a visual inspection from the floor, do the cable/cond ways and HVAC ducting appear to be free of potentially nic conditions (e.g., condition of supports is adequate and litions of cable trays appear to be inside acceptable limits s it appear that the area is free of potentially adverse seisu actions with other equipment in the area (e.g., ceiling tild ing)? Arby highting fix hure does not por a credu	aded conditions? ed on a visual inspection from the floor, do the cable/conduit ways and HVAC ducting appear to be free of potentially adverse nic conditions (e.g., condition of supports is adequate and fill litions of cable trays appear to be inside acceptable limits)? s it appear that the area is free of potentially adverse seismic spatial actions with other equipment in the area (e.g., ceiling tiles and ing)? arby highting fixture does not poor a credible horor	ed on a visual inspection from the floor, do the cable/conduit $Y \square N \square U \square N/A$ ways and HVAC ducting appear to be free of potentially adverse nic conditions (e.g., condition of supports is adequate and fill litions of cable trays appear to be inside acceptable limits)? s it appear that the area is free of potentially adverse seismic spatial $Y \square N \square U \square N/A$ actions with other equipment in the area (e.g., ceiling tiles and ing)? arby highting fixture does not poor a credible harow bo

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nan seria an ang ang anan sa matang nang matang na sa sa nangang sa sa ang sa sa

Area Walk-By Checklist (AWC)

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Location: Bldg. YD Floor El. <u>305'</u> Room, Area ¹³ 8	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	
Comments (Additional pages may be added as necessary)	
 SQ-T1-PH-T-0001 Rev. 2 provider seconic verificati CB19-T-1'5) DWG. E-435-201 provider tanks foundation drawing 	on oftenks near BWST
Evaluated by: Juan A. Lopez / Juan Agen	Date: 10/18/13
Dave Verkes / Das Afre	10/18/13
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AE Plan for Future Seismic Walkdown of Inaccessible Equipment

Table E-1 from the initial report documents fifteen (15) components that were deferred for future Seismic Walkdown of Inaccessible Equipment. All fifteen (15) deferred components and associated Area Walk-Bys inspections have been completed and no further seismic walkdown remains deferred after this update. Reference Table AE-1 with updated status.

Table E-2 from the initial report documents the eighteen (18) components that were deferred for future Seismic walkdown of Supplemental Internal Cabinet Inspection. All eighteen (18) components with Supplemental Internal Cabinet Inspection have been completed as stated in Section A5.4 of this Annex A and no further Supplemental Internal Cabinet Inspection remains deferred after this update. Reference Table AE-2 with updated status.

Associated SWCs and AWCs are documented in Appendices AC and Appendices AD of this Annex A respectively.

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	Table	AE-1. Inaccessible and	Deferred I	Equipment			
Component ID	Description	Reason for Inaccessibility	Action Request ID (IR)	Resolution/ Status	Milestone Completion	Actual Completion Date	Comments
DH-T-001	BWST	Risk management due to covered internal anchorage	1433899	Closed	1R20	10/18/2013	
1B-480V-ES	480V ENGINEERED SAFEGUARDS MCC 1B	Energized equipment with Internal anchorage	1422453	Closed	1R20	11/12/2013	IR 1584220
1B-480V- ESV	1B ENGINEERED SAFEGUARDS VALVES & HEATING CONTROL CENTER	Energized equipment with internal anchorage	1422453	Ciosed	1R20	11/12/2013	
18-480V- SHES	480V SCREEN HOUSE ENGINEERED SAFEGUARDS MCC 1B	Energized equipment with internal anchorage	1422453	Closed	1R20	11/11/2013	
SF-P-18-8K	1B ES MCC UNIT 6A	Risk management due to covered internal anchorage	1422453	Closed	4Q2012	11/13/2012	
1S-480V-ES- SWGR	480V ENGINEERED SAFEGUARDS BUS 1S	Energized equipment with internal anchorage	1422453	Closed	1R20	11/12/2013	
1T-480V- SHES- SWGR	480V ENGINEERED SAFEGUARDS SCREEN HOUSE BUS 1T	Energized equipment with internal anchorage	1422453	Closed	1R20	11/11/2013	IR 1583783
1E-4160V- ES	4160V ENGINEERED SAFEGUARDS BUS 1E	Energized equipment with internal anchorage	1422453	Closed	1R21	11/12/2012	
1S-480V-ES- XFMR	1S 480V ES SWGR 4160/480V XFMR	Energized equipment with internal anchorage	1422453	Closed	1Ř20	11/12/2013	
1T-480V- SHES- XFMR	1T 480V SCREEN HOUSE ES SWGR 4160/480V XFMR	Energized equipment with internal anchorage	1422453	Closed	1R20	11/11/2013	
1F-DC	125/250V DC ES DIST PANEL 1F	Risk management due to covered internal anchorage	1422453	Closed	4Q2012	11/13/2012	
1Q-DC	125/250VDC DIST PANEL FOR EDG 1B	Risk management due to covered internal anchorage	1422453	Closed	4Q2012	11/13/2012	
1B DG CNPL	DIESEL GEN 1B - ENGINE CONTROL RELAY PANEL	Risk management due to covered internal anchorage	1422453	Closed	4Q2012	11/12/2012	
СС	CONTROL RM CONSOLE CENTER CONTROL PANEL	Risk management due to covered internal anchorage	1422453	Closed	4Q2012	11/12/2012	
EED-PNL-18	125/250V DC DIST PANEL 1B	Risk management due to covered internal anchorage	1422453	Closed	4Q2012	11/13/2012	

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Table AE-1. Inaccessible and Deferred Equipment

Table AE-1 Page 1 of 1

Component ID	Description	Equipment Class	Accessible (Y/N)	If Not Accessible, Why?	Milestone Completion	Tracking Number (IR Number)	Status / Insp. Results	Actual Completion Date	Comments
1B-480V- ESF	1B-480V-ESF VENT BUILDING MCC	(01) Motor Control Centers	N	Extensive Disassembly is Required	N/A	N/A	N/A	N/A	N/A
TRB	120V REG AC INSTR. POWER TRB	(14) Distribution Panels	Y		4Q2012	1422453	Closed	11/12/2012	
VBD	120V VITAL INST DIST PANEL 1D	(14) Distribution Panels	Y		4Q2012	1422453	Closed	11/12/2012	
EED-BC-1B	BATTERY CHARGER 1B	(16) Battery Chargers and Inverters	N	Extensive Disassembly is Required	N/A	N/A	N/A	N/A	N/A
EED-BC-1D	BATTERY CHARGER 1D	(16) Battery Chargers and Inverters	N	Extensive Disassembly is Required	N/A	N/A	N/A	N/A	N/A
EED-BC-1F	BATTERY CHARGER 1F	(16) Battery Chargers and Inverters	N	Extensive Disassembly is Required	N/A	N/A	N/A	N/A	N/A
EE-INV-1B	INVERTER 1B	(16) Battery Chargers and Inverters	Y		4Q2012	1422453	Closed	11/14/2012	
EE-INV-1F	1F INVERTER	(16) Battery Chargers and Inverters	Y		4Q2012	1422453	Closed	11/13/2012	IR 1439548
1B	ENGINEERED SAFEGUARDS CABINET 1B	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Closed	11/12/2012	
3B	ESAS ACTUATION CABINET 3B	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Closed	11/12/2012	
4B	ESAS ACTUATION CABINET 4B	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Ciosed	11/12/2012	
58	ESAS ACTUATION CABINET 5B	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Closed	11/12/2012	
BS-PS- 0933	RB PRESSURE SWITCH FOR ESAS ACTUATION	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Closed	11/13/2012	
CRD-CB- 1D	CRD CIRCUIT BREAKER 1D	(20) Instrumentation and Control Panels and Cabinets	Y		1R20	1422453	Closed	11/12/2012	
EE-PNL- VBB	VBB 120 VAC PANEL	(20) Instrumentation and Control Panels and Cabinets	¥		4Q2012	1422453	Closed	11/12/2012	

Table AE-2. Supplemental Internal Cabinet Inspection List

Table AE-2 Page 1 of 2

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Component ID	Description	Equipment Class	Accessible (Y/N)	If Not Accessible, Why?	Milestone Completion	Tracking Number (IR Number)	Status / Insp. Results	Actual Completion Date	Comments
HSPS-CH-2	HSPS CHANNEL 2	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Closed	11/12/2012	
RR-S-1B	RR-S-1B CONTROL PANEL	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Closed	11/13/2012	IR 1439557
XCLA	XCLA RELAY PANEL	(20) Instrumentation and Control Panels and Cabinets	Y	-	4Q2012	1422453	Closed	11/12/2012	

Table AE-2 Page 2 of 2

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AF Peer Review Report

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This appendix includes the Peer Review Team's report on the follow-on seismic Walkdowns and Area Walk-Bys.

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Peer Review Report for Near Term Task Force (NTTF) Recommendation 2.3 Seismic Walkdown Inspection of Three Mile Island Unit 1

<u>Annex A</u>

January 16, 2014

Prepared by Peer Reviewers

Dennis McGettrick (Team Leader) Patrick Mullens

Deer Review Team Leader Certification Signature

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1/17/14 Date

Sheet 1 of 8

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Introduction

1.1 OVERVIEW

This report documents the independent peer review for the Near Term Task Force (NTTF) Recommendation 2.3 Seismic Walkdowns, Annex 'A' follow-on activities performed by Exelon TMI Engineering Department for Unit 1 of the Three Mile Island Nuclear Station (TMINS). The peer review addresses the following activities:

- Review of the selection of the structures, systems, and components, (SSCs) that are included in the Seismic Walkdown Equipment List (SWEL).
- Review of the checklists prepared for the Seismic Walkdowns & Walk- Bys.
- Review of any licensing basis evaluations.
- Review of the decisions for entering the potentially adverse conditions into the plant's Corrective Action Plan (CAP).
- Review of the final submittal report

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The peer reviewers for TMINS, Unit 1 are Messrs. Patrick Mullens and Dennis McGettrick, all of TMINS Engineering Department. Mr. McGettrick is designated the Peer Review Team Leader. None of the aforementioned engineers is involved in the seismic walkdown inspection process so that they can maintain their independence from the project.

Mr. McGettrick is a degree electrical engineer, has over thirty years of nuclear design experience and has been trained in the Verification of the Seismic Adequacy of Power Plant Equipment by the Seismic Experience Data Method.

Mr. Mullens is a degreed civil engineer, has nearly three years of nuclear design experience related to civil and structural engineering, and over four years of construction management experience.

The independent peer review discussions on the follow-on activities are documented herein.

No issues were identified which challenged the current licensing basis.

Sheet 2 of 8

2 Peer Review - Selection of SSCs

2.1 PURPOSE

The purpose of this section is to describe the process to perform the peer review of the selected structures, systems, and components, (SSCs) that were included in the Seismic Walkdown Equipment List (SWEL).

However, this peer review is performed for the SSC's that were previously inaccessible and were completed during the follow-on Seismic Walkdowns and Area Walk-Bys. There are no changes to the SWEL, so the selection of new SSCs does not apply in this case.

This peer review is based on an interview with the seismic walkdown engineer (SWE) and report preparer, Mr. Juan Lopez subsequent to performance of those activities.

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Review of Follow-on Seismic Walkdown & Area Walk-By Checklists

3.1 OVERVIEW

A peer review of the Table AC-1 SSCs Seismic Walkdown Checklist results was performed in accordance with the requirements of the EPRI Document No. 1025286 entitled "Seismic Walkdown Guidance For Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic" (SWG requirements).

3.2 FOLLOW-ON SEISMIC WALKDOWN CHECKLISTS

100% of the equipment inspected during the follow-on walkdown are included in the peer review, see follow-on Seismic Walkdown, and Area Walk-By Checklists presented below:

ID	Description	Observations
1B DG CNPL	DIESEL GEN 1B - ENGINE CONTROL RELAY PANEL	No Concerns
1B-480V-ES	480V ENGINEERED SAFEGUARDS MCC 1B	No Concerns
1B-480V-ESV	1B ENGINEERED SAFEGUARDS VALVES & HEATING CONTROL CENTR	No Concerns
1B-480V-SHES	480V SCREEN HOUSE ENGINEERED SAFEGUARDS MCC 1B	No Concerns
1E-4160V-ES	4160V ENGINEERED SAFEGUARDS BUS 1E	No Concerns
1F-DC	125/250V DC ES DIST PANEL 1F	No Concerns
1Q-DC	125/250VDC DIST PANEL FOR EDG 1B	No Concerns

Table A3-1: Table Follow-on Seismic Walkdown Checklists

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	480V ENGINEERED SAFEGUARDS BUS 1S	No Concerns
1S-480V-ES XFMR	1S 480V ES SWGR 4160/480V XFMR	No Concerns
1T-480V-SHES	480V ENGINEERED SAFEGUARDS SCREEN HOUSE BUS 1T	No Concerns
1T-480V-SHES- XFMR	1T 480V SCREEN HOUSE ES SWGR 4160/480V XFMR	No Concerns
сс	CONTROL RM CONSOLE CENTER CONTROL PANEL	No Concerns
DH-T-0001	BWST	No Concerns
EED-PNL-1B	125/250V DC DIST PANEL 1B	No Concerns

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3.3 EVALUATION OF FINDINGS

There were no issues that challenged the licensing bases.

The outcome of the walkdowns indicated that there were no major concerns from the inspections conducted, and the peer reviewers consider the engineering judgments made by the inspectors as appropriate and acceptable, per the EPRI Seismic Walkdown Guidance.

Further, all the outstanding uncompleted corrective action issues in Report RS-12-175 have been addressed, as shown in Tables A5-2 and A5-3 of Annex 'A'.

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4 Review of Licensing Basis Assessments

There were no issues that challenged the licensing bases for the follow-on items, so there were no assessments required. The peer reviewers concur with this outcome.

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5 Review Final Submittal Report & Sign-off

The final supplemental report has been reviewed by Messrs. P. Mullens and D McGettrick per the requirements of EPRI Seismic Walkdown Guidance (EPRI Report 1025286), and found to be acceptable. The review comments have been duly addressed and appropriately incorporated in the Report.

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AG IPEEE Vulnerability Status

Refer to Section G of Enclosure 1 of Exelon Letter to the NRC (RS-12-175 / TMI-12-161). No changes were made to Table G-1, IPEEE Vulnerability Status, as part of the follow-on actions and Annex A.

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