NJPR-12-0043

Sheet 2 of 3 Status: N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. R30P320 Equip. Class 20, Instrumentation a	nd Control Panel
Equipment Description <u>EDG 12 - Engine Gauge Panel</u>	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? All soft targets adjacent to this panel are robustly supported, and will not impact the panel	YØ N□ U□ N/A□
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? There are no ceiling tiles or block walls in the area. All light fittings hung from rigid conduit and have a redundant wire cable. During a seismic event the lights will not impact equipment	YÆ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage? Attached lines are flexible, and are acceptable	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YIZ NO UO

NJPR-12-0043

Sheet 3 of 3 Status: N U

Seisiffic Walkdown Officerist (OWO)	
Equipment ID No. R30P320 Equip. Class 20 - If	CPANEL
Equipment Description <u>EDG 12 - ENGINE GAUGE PANEL</u> .	
Comments (Additional pages may be added as necessary)	
Note: Per NEI Focus Group response to Frequently Asked dated September 18,2012, a supplemental seismic conducted on October 8,2012 to open the panelinside. The supplemental SWC follows this SWC	walkdown was lossy. elandvisually inspect
Seismic Engineer Walkdown PSE-53Qualified Evaluator #1: David G Dickinson	Date: 8/21/2012
Seismic Engineer Walkdown PSE-53Qualified Evaluator #2:	Date: 08/21/2012

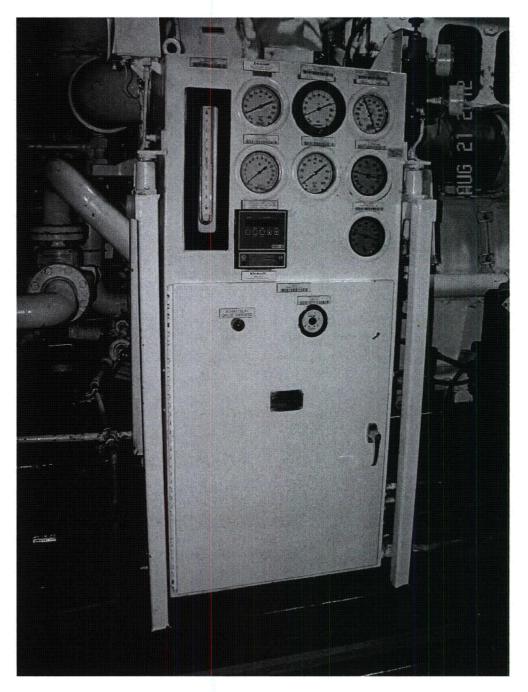
Equipment ID No. <u>R30P320</u> Equipment Class: <u>20, Instrumentation and Control Panel</u>

Equipment Description <u>EDG 12 - Engine Gauge Panel</u>



(DSC00095)

Equipment ID No. <u>R30P320</u> Equipment Class: <u>20, Instrumentation and Control Panel</u>



(DSC00096)

Equipment ID No. <u>R30P320</u> Equipment Class: <u>20, Instrumentation and Control Panel</u>

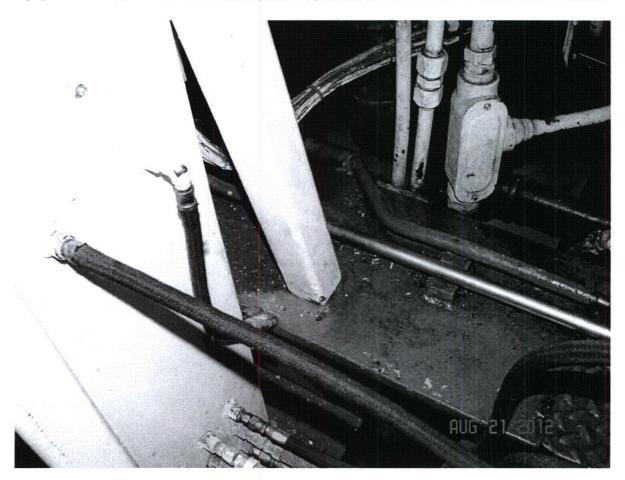
Equipment Description <u>EDG 12 - Engine Gauge Panel</u>



(DSC00098)

Equipment ID No. <u>R30P320</u> Equipment Class: <u>20, Instrumentation and Control Panel</u>

Equipment Description <u>EDG 12 - Engine Gauge Panel</u>



(DSC00102)

Equipment ID No. <u>R30P320</u> Equipment Class: <u>20, Instrumentation and Control Panel</u>

Equipment Description <u>EDG 12 - Engine Gauge Panel</u>



(DSC00104)

NJPR-12-0043

Sheet 1 of 3 Status: (Y) N U

Seismic Walkdown Checklist (SWC)			
[Note: This Walkdown's scope was limited to cabinet internals per 9/18/12 NEI Focus Group response to Frequently Asked Questions.]			
Equipment ID No. R30P320 Equip. Class 20, Instrumentation and Control Panel			
Equipment Description <u>EDG 12 - Engine Gauge Panel</u>			
Location: Bldg. RHR Floor El. 590'-0" Room, Area EDG 12 Room, Col. E-5 to E-6			
Manufacturer, Model, Etc. (optional but recommended) Colt Industries, Model N/A			
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□ of the 50% of SWEL items requiring such verification)? Not applicable. See August 21, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012. 			
2. Is the anchorage free of bent, broken, missing or loose hardware? Y□ N□ U□ N/A See August 21, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.			
3. Is the anchorage free of corrosion that is more than mild surface Y□ N□ U□ N/A□ oxidation?			
See response to Question 2, above.			
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y□ N□ U□ N/A♥ See response to Question 2, above.			
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.) See response to Question 2, above.			
 Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Not applicable. See August 21, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012. 			

¹ Enter the equipment class name from Appendix B: Classes of Equipment

NJPR-12-0043

Sheet 2 of 3 Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Note: This Walkdown's scope was limited to cabinet internals per 9/18/12 NEI Focus Group response Equipment ID No. R30P320 Equip. Class 20, Instrumentation	
Equipment Description EDG 12 - Engine Gauge Panel	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? See August 21, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	Y N UU U/AX
8. Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment? See response to Question 7, above.	z, Y□ N□ U□ N/AÞ
9. Do attached lines have adequate flexibility to avoid damage? See response to Question 7, above.	Y OU OU OYAX
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Not applicable. See August 21, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	Y NO UO
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? The door on the instrument panel was opened to permit evaluating the adequacy of fasteners securing components inside (see Photo 1). None of the components weighed more than ten pounds (see Photos 2-4). Verified adequacy of seismic clearance between bolt on back mounting plate and I&C tubing penetrating upper right corner of panel (see Photo 5). In lower right corner, determined stains at bottom of panel were primarily due to a thin film of dirt and not a sign of serious	

corrosion (see Photo 6). No adverse conditions were identified.

NJPR-12-0043

Sheet 3 of 3 Status: V N U

Seismic Walkdown Checklist (SWC)
This This Wall and the state of

-	•	Equip. Class ¹ 20, Instrume	
Equipment D	Description <u>EDG 12 - 1</u>	Engine Gauge Panel	
Comments (Additional pages may be	added as necessary)	
in a S the in ancho Frequ Augus	Seismic Walkdown Chec estrument panel was no orage on components ir uently Asked Questions st 21 Walkdown. There	cklist dated August 21, 2012. Howe t opened to afford Seismic Walkdow iside the panel. A September 18, 20	consider increasing the scope of the cluded unlocking and opening the
		······································	
Evaluator #1	1/01.	Walkdown PSE-53Qualified	Date:
Evaluator #2	Seismic Engineer : Mil P. Ja	Walkdown PSE-53Qualified	Date: 10/08/12

Equipment ID No. <u>R30P320</u> Equipment Class: <u>20, Instrumentation and Control</u>

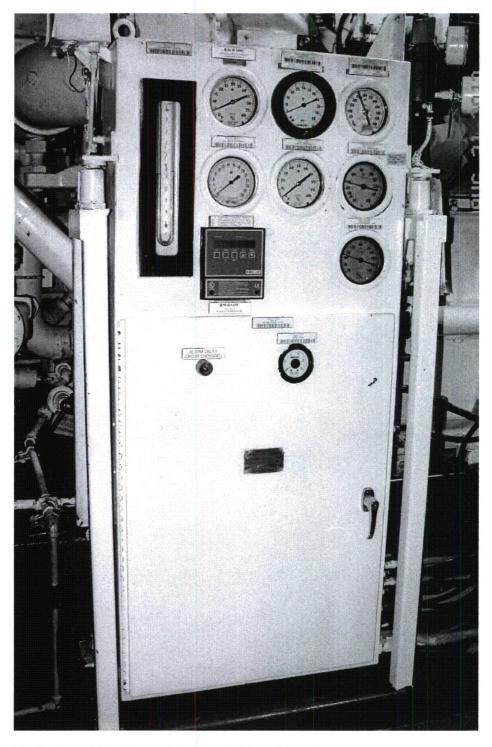


Photo 1, Outside Face of Panel with Door Closed

Equipment ID No. <u>R30P320</u> Equipment Class: <u>20, Instrumentation and Control</u>

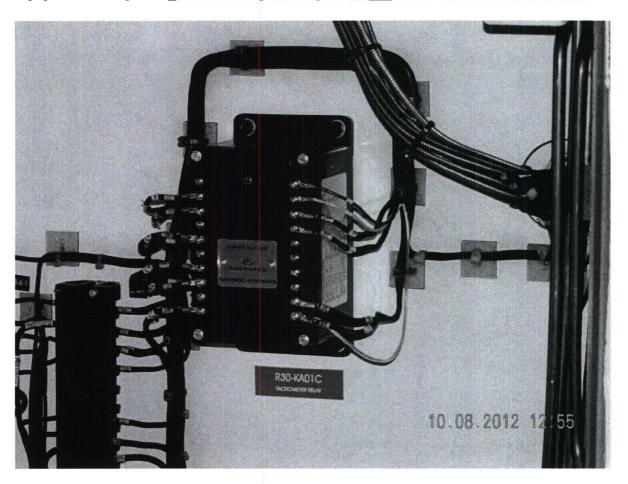


Photo 2, Components Mounted Inside Near Top Center of Panel

Equipment ID No. <u>R30P320</u> Equipment Class: <u>20, Instrumentation and Control</u>

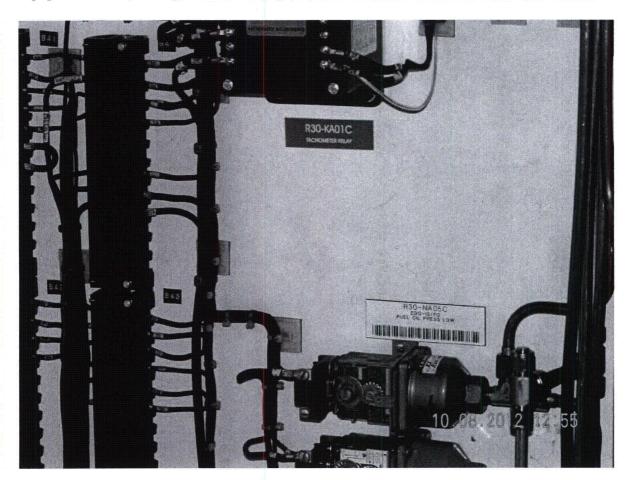


Photo 3, Components Mounted Inside Near Center of Panel

Equipment ID No. <u>R30P320</u> Equipment Class: <u>20, Instrumentation and Control</u>



Photo 4, Components Mounted Inside Near Bottom Center of Panel

Equipment ID No. <u>R30P320</u> Equipment Class: <u>20, Instrumentation and Control</u>

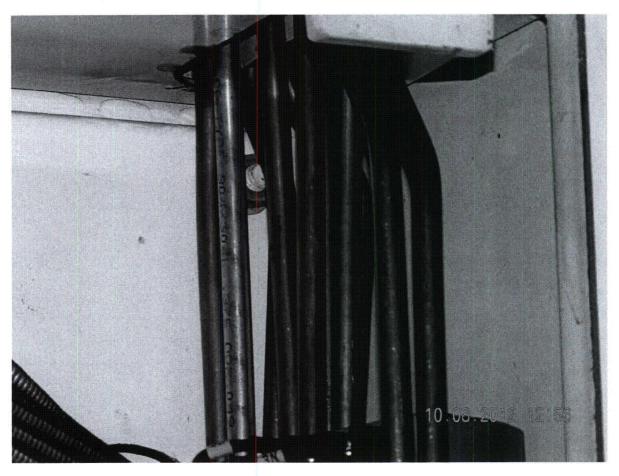


Photo 5, Mounting Plate Bolt and I&C Tubing Passing Thru Upper Right Corner of Panel

Equipment ID No. <u>R30P320</u> Equipment Class: <u>20, Instrumentation and Control</u>

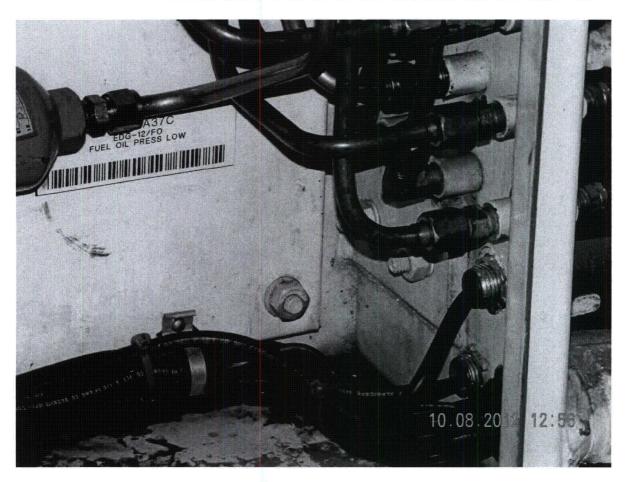


Photo 6, Mounting Plate Bolt and Elect Cable and I&C Tubing in Lower Right Corner of Panel

NJPR-12-0043

Sheet 1 of 3 Status: Y N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. R30P343D Equip. Class 20-Instrumentation &	Control Panels
Equipment Description EDG #14 Exciter-Regulator Panel	
Location: Bldg. RHR Floor El. 590'-00" Room, Area EDG14. Col.	F-7
Manufacturer, Model, Etc. (optional but recommended) N/A	
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	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)?	A DA
2. Is the anchorage free of bent, broken, missing or loose hardware? Anchorage was viewed from outside the panel and was in good condition. (See Picture 4.)	YM NO UO N/AO
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Anchorage exhibits no corrosion.	
4. Is the anchorage free of visible cracks in the concrete near the anchors? No concrete cracks observed.	Y⊠ N□ U□ N/A□
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)	Y N U U N/AX
All anchors observed to be in the proper layout and conform to Calc. DC-6037 VOL I, Rev. C. One anchor was not immediately visible, but it was confirmed to be in place during a follow-up inspection. * See	
Comments and Picture 6. DC-6037 NOL.I, Rev. C WAS NO /	Dar
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠YN□ U□
•	

¹ Enter the equipment class name from Appendix B: Classes of Equipment

NJPR-12-0043

Sheet 2 of 3 Status: (Y) N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. R30P343D Equip. Class 20-Instrumentation &	Control Panels
Equipment Description EDG #14 Exciter-Regulator Panel	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? The panel has no soft targets and there is no danger of impact from nearby equipment. (See Pictures 1 & 2)	YM N□ U□ N/A□
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? There is no overhead equipment. (See Picture 5)	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage? Flexible lines are used near the asset connection and have adequate flexibility to prevent damage. (See Picture 5)	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y)X NO UO

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

During the walkdown it was noticed that 4 screws were missing from the panel's interior protective grate. The existing condition was evaluated by the SWE's by calculation and determination acceptable during a seismic event. See CARD 12-27360 for resolution.

(SEE PICTURE 3)~ DIK ISINIE

Y**⊠** N□ U□

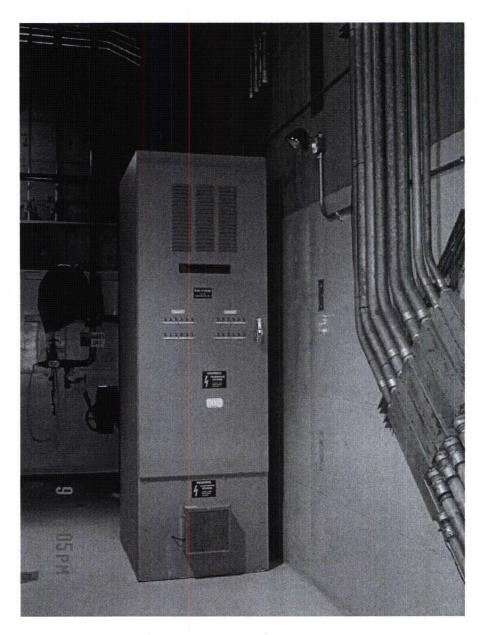
MPS 10/4/12

NJPR-12-0043

Sheet 3 of 3 Status: (Y) N U

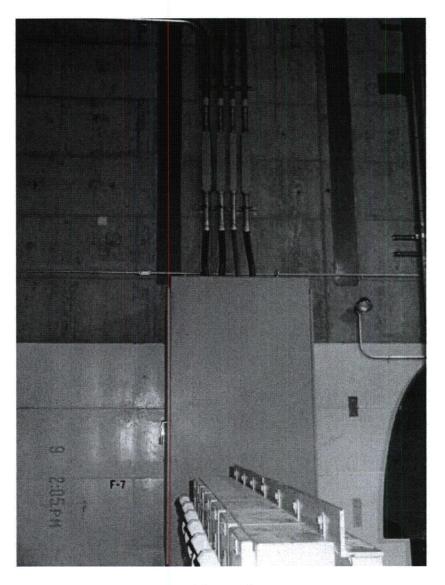
eismic walkdown Checklist (SWC)
quipment ID No. <u>P30P343D</u> Equip. Class 20 Fanels quipment Description <u>EDG #14</u> Exciter - Regulator Panel
Comments (Additional pages may be added as necessary) In order to view the anchor that was not initially visible, it was necessar to perform a follow-up inspection on 8/31/12. This required opening of the back panel door and entry by a MMAIS (Electrical Hazard Protection) qualification past the plane in a protective suit to take pictures of the anchor. After the pictures were taken, the technician showed them to both SWEs, and it was confirmed that the anchor is present and secure.
Seismic Engineer Walkdown PSE-53Qualified Evaluator #1: Michael P. Susso Date: 8/10/12
Seismic Engineer Walkdown PSE-53Qualified Evaluator #2: Scott Fault Date: 8/10/12

Equipment ID No. <u>R30P343D</u> Equipment Class: <u>20-Instrumentation & Control Panels</u>



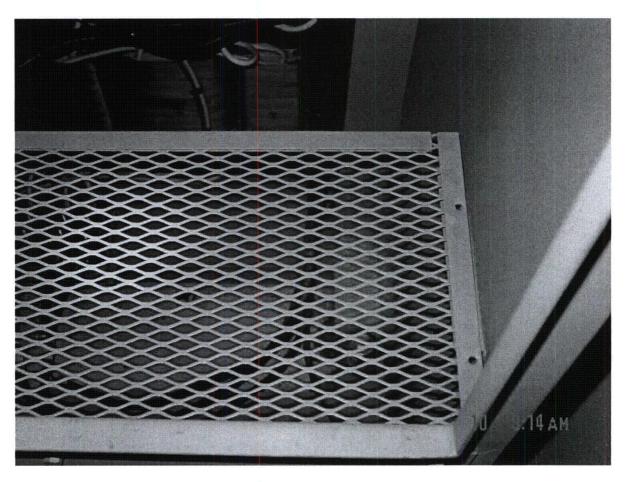
(Picture 1)

Equipment ID No. <u>R30P343D</u> Equipment Class: <u>20-Instrumentation & Control Panels</u>



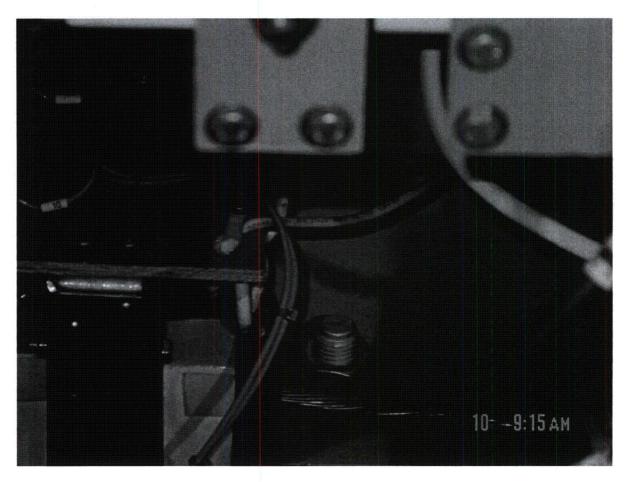
(Picture 2)

Equipment ID No. <u>R30P343D</u> Equipment Class: <u>20-Instrumentation & Control Panels</u>



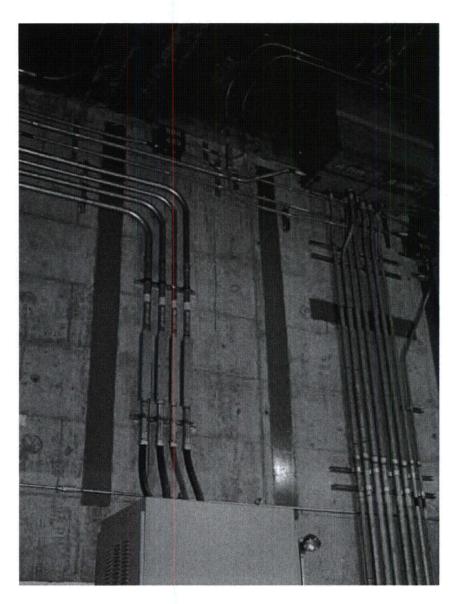
(Picture 3)

Equipment ID No. <u>R30P343D</u> Equipment Class: <u>20-Instrumentation & Control Panels</u>



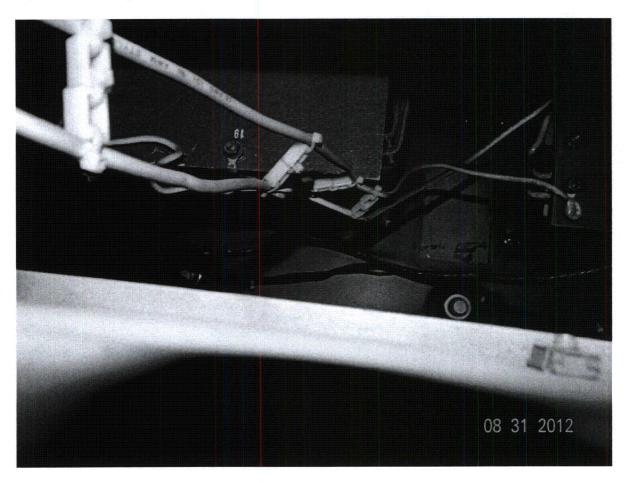
(Picture 4)

Equipment ID No. <u>R30P343D</u> Equipment Class: <u>20-Instrumentation & Control Panels</u>



(Picture 5)

Equipment ID No. <u>R30P343D</u> Equipment Class: <u>20-Instrumentation & Control Panels</u>

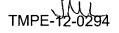


(Picture 6)

NJPR-12-0043

Sheet 1 of 3 Status: Y N U

Seismic Walkdown Checklist (SWC)			
Equipment ID No. R31K005 Equip. Class 1 16, Battery Chargers and Inverters			
Equipment Description Vital Power Distribution 120 VAC DIV 2 2KVA			
Location: Bldg. <u>AB</u> Floor El. <u>613'-6"</u> Room, Area <u>B-15, Col. F-14</u>			
Manufacturer, Model, Etc. (optional but recommended) Nova Electric Mfg. Co. Model GS2K60-120X-R-XXXX			
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□ of the 50% of SWEL items requiring such verification)? 			
Equipment mounted in cabinet. Cabinet missing plug weld. Welds exterior to cabinet confirmed to be correct. No plug welds required. Ok as is. (SEE PICTURE DECHOOSI) ~ DJK 10/11/12			
2. Is the anchorage free of bent, broken, missing or loose hardware? 2 bolts at back of component visually confirmed. 4 screws at front confirmed.			
3. Is the anchorage free of corrosion that is more than mild surface Y☒ N☐ U☐ N/A☐ oxidation?			
Bolts not corroded.			
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y NO UNINAM Equipment is mounted in a cabinet, not to concrete. (SEE PICTURES DSCN 0055, DSCN 0057) ~ DOK 10/11/2			
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.) Mounting configuration is consistent with plant documentation. 1. □ N/A□ 1. □ N/A□ 1. □ N/A□ 2. □ N/A□ 3. □ N/A□ 4. □ N/A□			
Ref. VMC1-519*& I-2040-08.*			
USEE PICTURES DECHOOSI, DECHOOSS, DECHOOST) ~ DOK 10/11/12			
6. Based on the above anchorage evaluations, is the anchorage free of Y⊠ N□ U□ potentially adverse seismic conditions?			



¹ Enter the equipment class name from Appendix B: Classes of Equipment

^{*} REFERENCE DOCUMENT (LATEST REVISION) HAS NO DOL APPLICABLE POSTINGS.

NJPR-12-0043

Sheet 2 of 3 Status: Y N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. R31K005 Equip. Class 1 16, Battery Chargers	and Inverters
Equipment Description <u>Vital Power Distribution 120 VAC DIV 2 2KVA</u>	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? <i>None observed.</i>	Y) N U U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Lights supported on chains with redundant wire cable.	YX NO UO N/AO
9. Do attached lines have adequate flexibility to avoid damage? Attached lines have adequate flexibility.	YK N U U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YN U
Other Administrations	
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YLY NO UO

No other seismic conditions identified.

NJPR-12-0043

Sheet 3 of 3 Status: Y N U

Seismic Walkdown C	hecklist (SWC)			
Equipment ID No.	B <i>IK005</i> Eq	uip. Class¹ <u>16 - Baz</u>	TERY (HARGERS & INVERTER
Equipment Description _	VITAL POWER	DIST. 120VAC	DIV 2	2.KVA
Comments (Additional pa	ges may be added as nec	essary)		
	•	•		
	······································			
★ Seismic	Engineer Walkdown 1	PSF-53Oualified		
Evaluator #1: Dav	_	22 00 gy		Date: 6th August 2012
🕅 Seismic	Engineer Walkdown I	PSE-53Oualified		
. ,	sist Make	Jan 1		Date: 08,06,2012
	7			

Equipment ID No. <u>R31K005</u> Equipment Class: <u>16, Battery Changers & Inverters</u>

Equipment Description <u>Vital Power Distribution 120 VAC DIV 2, 2KVA</u>



(DSCN0050)

Equipment ID No. <u>R31K005</u> Equipment Class: <u>16, Battery Changers & Inverters</u>

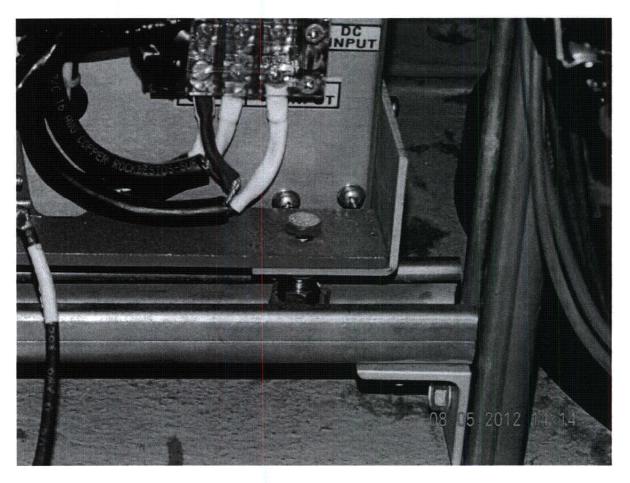
Equipment Description Vital Power Distribution 120 VAC DIV 2, 2KVA



(DSCN0051)

Equipment ID No. <u>R31K005</u> Equipment Class: <u>16, Battery Changers & Inverters</u>

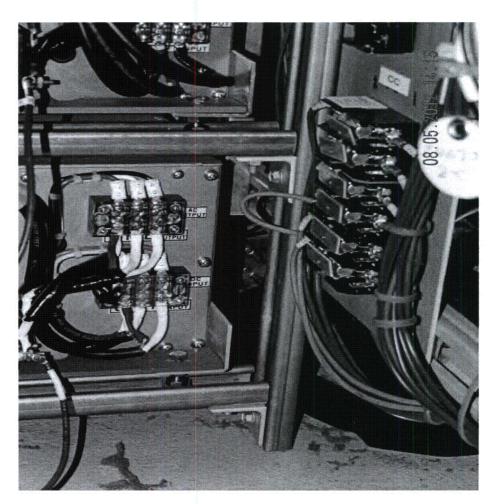
Equipment Description __Vital Power Distribution 120 VAC DIV 2, 2KVA



(DSCN0055)

Equipment ID No. <u>R31K005</u> Equipment Class: <u>16, Battery Changers & Inverters</u>

Equipment Description __Vital Power Distribution 120 VAC DIV 2, 2KVA

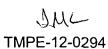


(DSCN0057)

NJPR-12-0043

Sheet 1 of 3 Status (Y) N U

Seismic Walkdown Checklist (SWC)							
Equipment ID No. <u>R3200S004</u> Equip. Class 1 <u>15 - Battery Racks</u>							
Equipment Description DC 260/130V Dual Batt (2PB)							
Location: Bldg. <u>AB</u> Floor El. <u>643'-6"</u> Room, Area <u>Battery Room(B-22W)</u> , <u>Col.F-12</u>							
Manufacturer, Model, Etc. (optional but recommended) C&D Battery Co. Model LCR-21							
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 YNN NO of the 50% of SWEL items requiring such verification)? All anchors visible. (SEE PICTURES DSCHOILS DSCHOIZE, DSCHOIZE, DSCHOIZE) NOTK 10/11/12							
2. Is the anchorage free of bent, broken, missing or loose hardware? Seven anchors flush with nut – full thread engaged One anchor has 1" extension – OK – ref. dwg. E-2833-10 (SEE NCTURES DSCNOIZI, DSCNOIZ6, DSCNOIZ9, DSCNOIZ5, DSCNOIZ6) ΛΟΤΚ 10/11/12							
3. Is the anchorage free of corrosion that is more than mild surface oxidation? No corrosion visible							
(SEE PICTURES DSCHOILS, DSCHOIZG, DSCHOIZG, DSCHOIZS) ~ DJK 10/11/12							
4. Is the anchorage free of visible cracks in the concrete near the anchors? YM NO UNANA NO cracks in concrete. No cracks in concrete. USEE PICTURES DENOIS, DECNOIS, DECNOI							
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.) See drawing E-6004-01, Rev. & (Po Postings) 1/2" bolts to embed gateway - ref. dwg. E-2833-10, Rev. = (No Postings) (SEE PICTURES DSCHOLLY, DSC							
6. Based on the above anchorage evaluations, is the anchorage free of Y N U□ votentially adverse seismic conditions?							



¹ Enter the equipment class name from Appendix B: Classes of Equipment

NJPR-12-0043

Sheet 2 of 3 Status: YN U

Seismic Walkdown Checklist (SWC)								
Equipment ID No. <u>R3200S004</u> Equip. Class 1 15 - Battery Racks								
Equipment Description <u>DC 260/130V Dual Batt (2PB)</u>								
Interaction Effects								
7. Are soft targets free from impact by nearby equipment or structures? Area is free of soft targets.	YBJ N□ U□ N/A□							
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Blue cabinet anchored to the wall.	Y⊠ N□ U□ N/A□							
9. Do attached lines have adequate flexibility to avoid damage? Attached cables have adequate flexibility.	YKA NO UO N/AO							
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YK NOUO							
Other Adverse Conditions								
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YM N□ U□							

Foam spacers have been installed between batteries to eliminate

battery-to-battery impact in seismic events

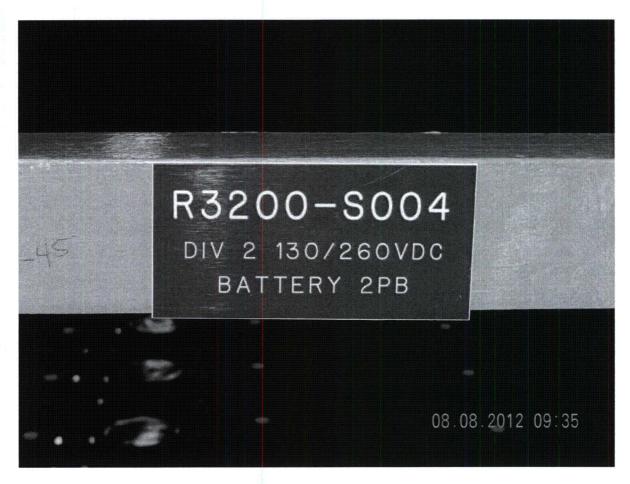
NJPR-12-0043

Sheet 3 of 3 Status: N U

Seismic Walkdown Checklist (SWC)								
Equipment ID No. R32	2008 004	Equip. Clas	ss ¹	5 - BA	TTEA	Y RACKS		
Equipment Description _	_							
Comments (Additional pag	ges may be added a	s necessary)						
	•	• /						
	•							
	·							
•								
	Engineer Walkdo		Qualified					
Evaluator #1 : Down	D CW wh	ei-			Date: _	8/8/2012		
^	Engineer Walkdo	wn PSE-53Q	Qualified			. 1		
Evaluator #2:	sept M	Kulbri			Date: _	08/08/2012		
	/					¥ 1		

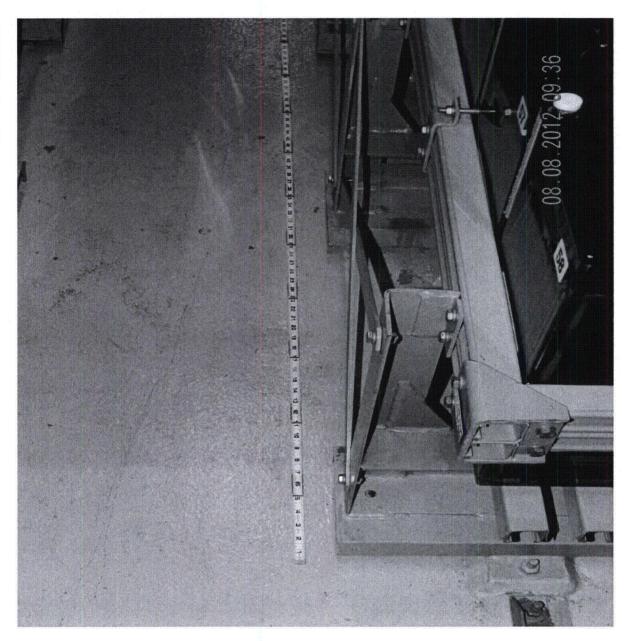
Equipment ID No. <u>R3200S004</u> Equipment Class: <u>15, Battery Racks</u>

Equipment Description DC 260/130V Dual Batt. (2PB)



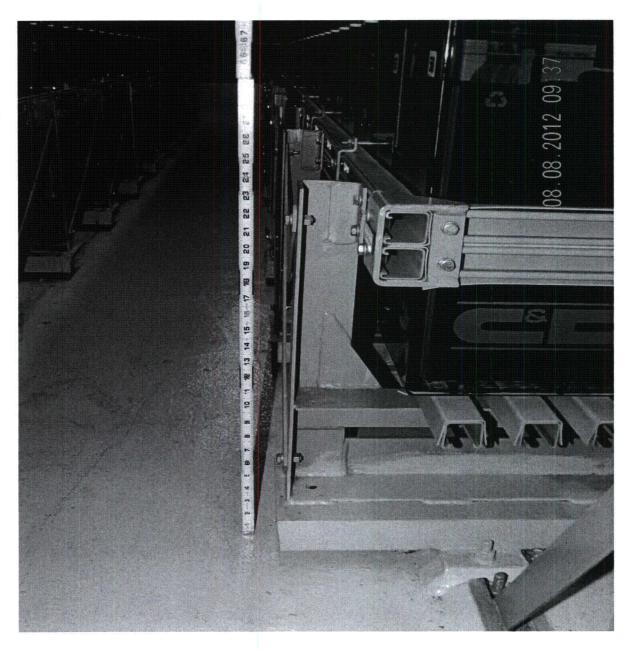
(DSCN0118)

Equipment ID No. <u>R3200S004</u> Equipment Class: <u>15, Battery Racks</u>



(DSCN0119)

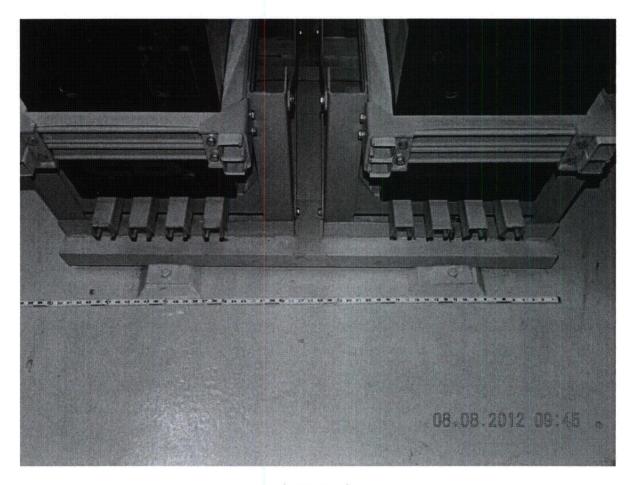
Equipment ID No. <u>R3200S004</u> Equipment Class: <u>15, Battery Racks</u>



(DSCN0121)

Equipment ID No. <u>R3200S004</u> Equipment Class: <u>15, Battery Racks</u>

Equipment Description DC 260/130V Dual Batt. (2PB)



(DSCN0126)

Equipment ID No. <u>R3200S004</u> Equipment Class: <u>15, Battery Racks</u>



(DSCN0129)

Equipment ID No. <u>R3200S004</u> Equipment Class: <u>15, Battery Racks</u>



(DSCN0135)

Equipment ID No. <u>R3200S004</u> Equipment Class: <u>15, Battery Racks</u>



(DSCN0136)

NJPR-12-0043

Sheet 1 of 3 Status: Y N U

Seismic Walkdown Checklist (SVVC)	
Equipment ID No. R3200S016 Equip. Class 1 1, MCCs & Wall-Mo	unted Contactors
Equipment Description DC 260V DC MCC (2PB-1)	
Location: Bldg. <u>AB</u> Floor El. <u>643'-6"</u> Room, Area <u>B-20, Col. G</u>	-11
Manufacturer, Model, Etc. (optional but recommended) Gould ITE -5640-VAC	C-80 / 111-106-C-O
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for the space is provided at the end of this checklist for the space is provided at the end of this checklist for the space is provided at the end of the space is provided at t	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)? Weld outside of cabinet.	YE NO
2. Is the anchorage free of bent, broken, missing or loose hardware? Welded anchorage at base of cabinet exterior. No bent, broken, missing hardware. (SEE PICTURES DSCHOZOS, DSCHOZOG) ~ DJK 10/11/12	YN UN N/AD
 Is the anchorage free of corrosion that is more than mild surface oxidation? Welds painted. No corrosion. 	YK NO UO N/AO
(SFE PICTURES DSCHOZOS, DSCHOZOG) ~ DJK 10/11/12	
4. Is the anchorage free of visible cracks in the concrete near the anchors? Concrete in serviceable condition. No cracks observed.	YÀ NO UO N/AO
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.)	YE NO UO N/AO
See Drawing E-2992-3. E-2992-03, REU. I, HAS NO APPLICABLE POSTIN	es ~ par iolistis
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YD NO UO
•	

¹ Enter the equipment class name from Appendix B: Classes of Equipment

NJPR-12-0043

Sheet 2 of 3 Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>R3200S016</u> Equip. Class ¹ <u>1, MCCs & Wall-Mounted Contactors</u>	
Equipment Description DC 260V DC MCC (2PB-1)	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	YՃ N□ U□ N/A□
•	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	YD NO UNA
Block wall has steel restraints. Consistent with seismic detailing. Light	
fittings have chain & cable. Ducts seismically supported. E-lights on very robust support.	
9. Do attached lines have adequate flexibility to avoid damage?	YZ N U N/A
Cabinets are bottom fed.	•
10. Based on the above seismic interaction evaluations, is equipment free	YIX NO UO
of potentially adverse seismic interaction effects?	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YM NO UO
Fire wall to separate Div. I & Div. II switchgear wall appears to be seismic & robust. Approximately 4'-0" from R3200S016. — Acceptable.	
Security defensive position – 3 drums tied together approximately 6'-0"	
from panel – Acceptable.	
Note: Cabinet is 260V DC MCC that requires a screwdriver &	
disassembly to open, therefore cabinet was not opened. Base anchorage was exterior & verifiable.	

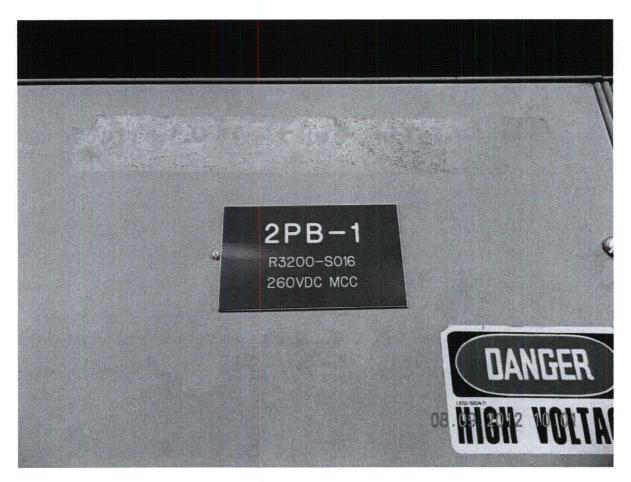
NJPR-12-0043

Sheet 3 of 3 Status: Y N U

Seismic Walkdown Checklist (SW	<i>(</i> C)	
Equipment ID No. <u>R32008016</u>		WALL MOUNTED CONTACTORS
Equipment Description <u>x</u> 260v	DC MCC (2PB-1)	<u> </u>
Comments (Additional pages may be add	ed as necessary)	
🛚 Seismic Engineer Wal		
Evaluator #1: Dand C Dic	suis_	Date: 8/9/2012
Seismic Engineer Wal Evaluator #2 : Joseph C	lkdown PSE-53Qualified My for Vero	Date: <u>08/09/2012</u>

Equipment ID No. <u>R3200S016</u> Equipment Class: <u>1, MCCs & Wall-Mounted Contactors</u>

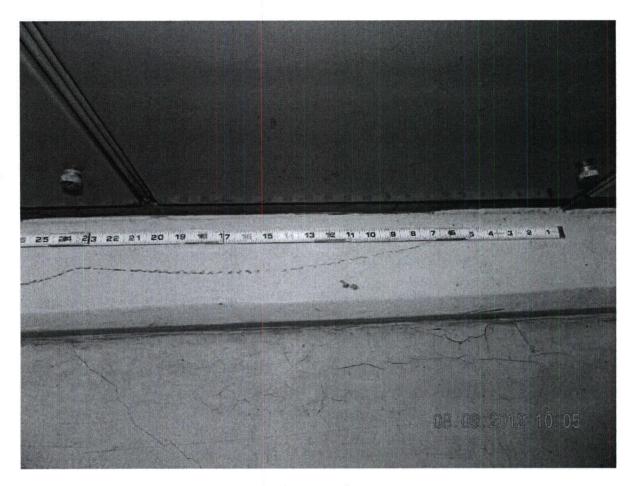
Equipment Description <u>DC 260V DC MCC (2PB-1)</u>



(DSCN0204)

Equipment ID No. <u>R3200S016</u> Equipment Class: <u>1, MCCs & Wall-Mounted Contactors</u>

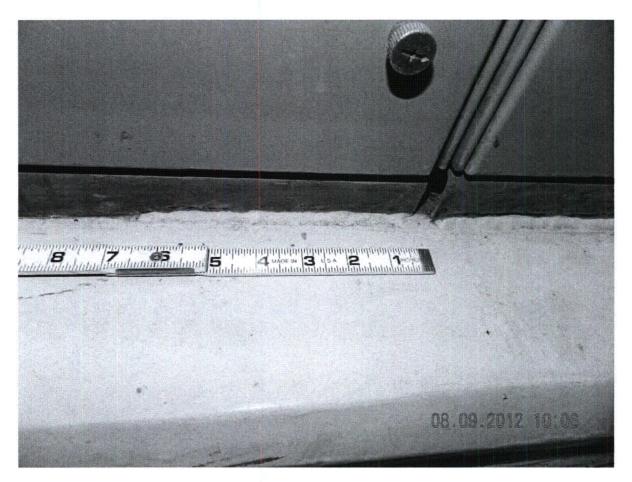
Equipment Description <u>DC 260V DC MCC (2PB-1)</u>



(DSCN0205)

Equipment ID No. <u>R3200S016</u> Equipment Class: <u>1, MCCs & Wall-Mounted Contactors</u>

Equipment Description <u>DC 260V DC MCC (2PB-1)</u>



(DSCN0206)

NJPR-12-0043

Seismic Walkdown Checklist (SWC)

Sheet 1 of 3 Status: Y(N) U

Equipment ID No. <u>R3200S020C</u> Equip. Class 1 <u>16 - Battery Chargers and Inverters</u>
Equipment Description Div 1 130V DC Battery Charger 2A1-2
Location: Bldg. <u>AB3</u> Floor El. <u>643'-6"</u> Room, Area <u>B-20, Col. G-11</u>
Manufacturer, Model, Etc. (optional but recommended) <u>C&D Charter Power Systems Model ARR130H/K10</u>
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 YN N
of the 50% of SWEL items requiring such verification)? All anchors visible – 4 bolts total. (SEE PICTURES DECOGES, DECOGE)
2. Is the anchorage free of bent, broken, missing or loose hardware? All 4 bolts installed properly. (SEE PICTURES DECOMB, DECOMB) DECOMB
3. Is the anchorage free of corrosion that is more than mild surface Y⋈ N□ U□ N/A□ oxidation?
Clean, no oxidation.
(SEE PICTURES DECOGES, DECOGTI) DIK 10/9/12

	(SEE PICTURES DECOOGS, DECOOGS) DER 10/9/12
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.)
	Installed in accordance with dwg. I-2833-03, 4 - 3/8" Ø bolts.
	(SEE PICTURES DSCOORS, DSCOOT) DJK 10/9/12
-	Decident the charge and house and heat in the state of th

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y⋈ N□ U□ N/A□

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

Y□ V□ U□

JML

No crack visible.

¹ Enter the equipment class name from Appendix B: Classes of Equipment

^{*} Dung. I - 2833-03, REV. I HAS NO POSTINGS ~ DJK (412/12

NJPR-12-0043

Sheet 2 of 3 Status: YN U

Seismic Walkd	lown Che	cklist (SWC)
---------------	----------	----------	------

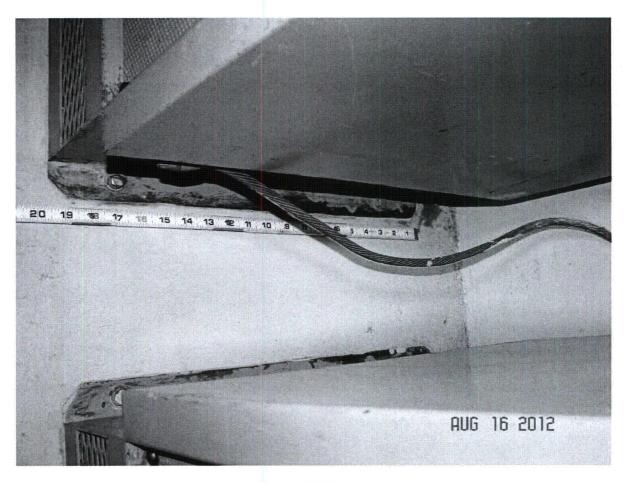
quipment ID No. <u>R3200S020C</u> Equip. Class ¹ <u>16 - Battery Chargers and Inverters</u>
quipment Description Div 1 130V DC Battery Charger 2A1-2
teraction Effects
7. Are soft targets free from impact by nearby equipment or structures? Conduit, cable tray and HVAC ducts have seismically robust supports, concrete anchors. QC verified (paint marked heads). Adjacent battery chargers mounted the same. Adjacent electrical cabinets on Unistrut anchored to the wall. (SEE PICTURE DECOTO) DIK 19/112
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, YN NO
9. Do attached lines have adequate flexibility to avoid damage? Cables attached to cabinet in flex conduit with loop. Verify flex conduit detail for conduit TO-029-IP. CARD 12-27131 initiated to verify evaluate 155UR. (SEE PICTURES DSC0070, DSCN0481, DSCN0482, DSCN0483) DOK 10/9/12
10. Based on the above seismic interaction evaluations, is equipment free Y N U U of potentially adverse seismic interaction effects? Verify Flex connection of 2" conduit going into top of floor-mounted unit. See CARD 12-27131 for adequacy of flexibility questioned. (SEE PICTURES DSCHOUSI, DSCHOUSZ, DSCHOUSZ) DJk 10/9/12
ther Adverse Conditions
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? ✓ N□ U□ ✓ N□ U□
Note: This asset requires a screwdriver & disassembly to open, therefore cabinet was not opened. Base anchorage was exterior &

verifiable.

NJPR-12-0043

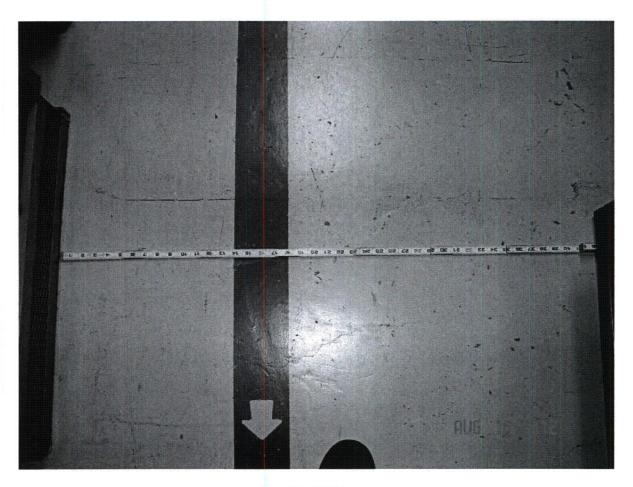
Sheet 3 of 3 Status: Y(N) U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. R32 COSO2OC Equip. Class 1 16- BA7	TTERY CHARGERS GIMVERTERS
Equipment Description DIV 1 130VDC BATTERY CHARGER	ZA1-2
Comments (Additional pages may be added as necessary)	
	·
·	
	•
	•
🛛 Seismic Engineer Walkdown PSE-53Qualified	
Evaluator #1: Davil & Dicker	Date: Usth August 2012
	·
☑ Seismic Engineer Walkdown PSE-53Qualified	
Evaluator #2: Joseph Malbre	Date: 08/16/2012
Judge 12 / 12 / 12 / 12	



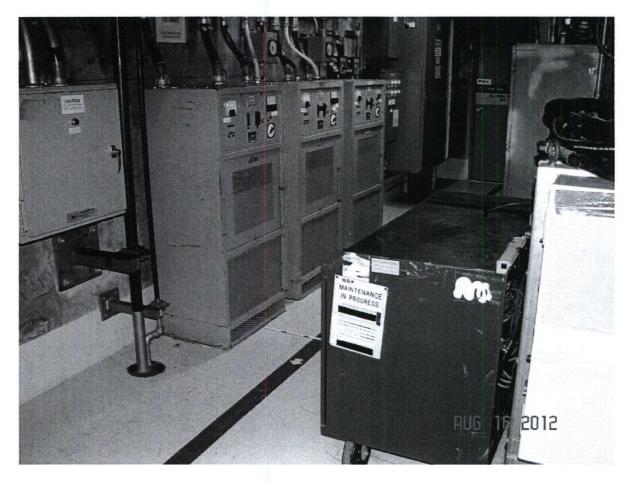
(DSC0068)

Bolting Configuration to Concrete Floor



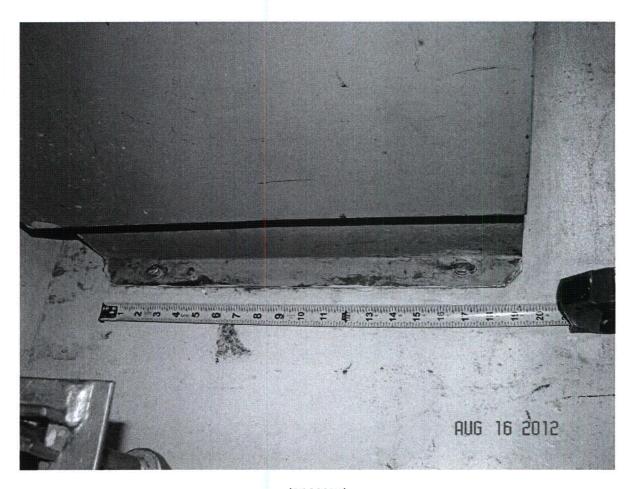
(DSC0069)

Concrete Floor In Front of Battery Charger



(DSC0070)

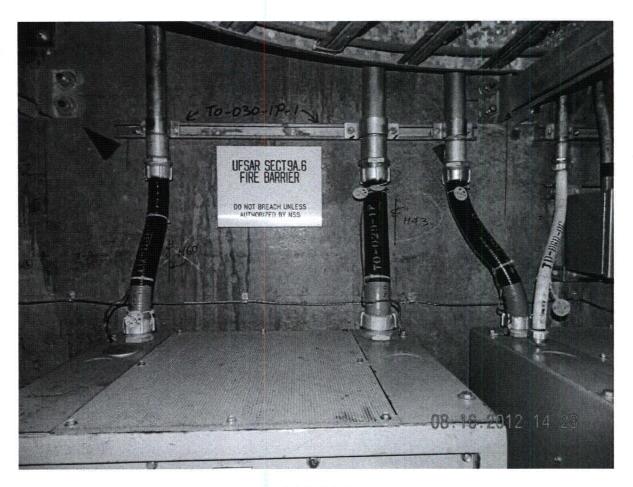
Side View of Battery Chargers and Surrounding Equipment



(DSC0071)

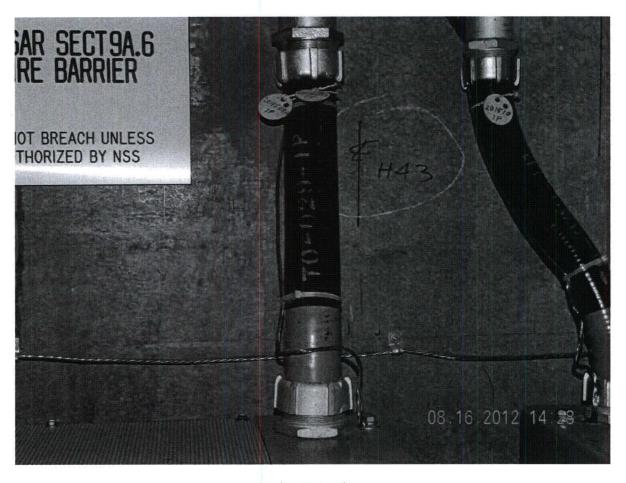
Bolting Configuration to Concrete Floor

Equipment ID No. <u>R3200S020C</u> Equipment Class: <u>16, Battery Chargers and Inverters</u>
Equipment Description <u>Div. 1 130V DC Battery Charger 2A1-2</u>



(DSCN0481)

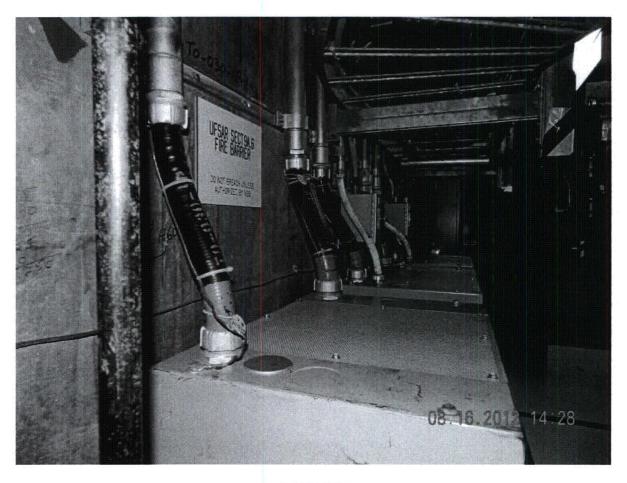
Overhead Cable Tray and Flexible Conduits to Battery Charger



(DSCN0482)

Flexible Cables to Battery Charger

Equipment ID No. <u>R3200S020C</u> Equipment Class: <u>16, Battery Chargers and Inverters</u>
Equipment Description <u>Div. 1 130V DC Battery Charger 2A1-2</u>



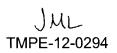
(DSCN0483)

Side View of Overhead Cable Trays and Flexible Conduits to Battery Charger

NJPR-12-0043

Sheet 1 of 3 Status: V N U

Seismic Walkdown Checklist (SWC)
Equipment ID No. R3200S061A Equip. Class 1 14-Distribution Panels & Automatic Transfer Switches
Equipment Description 130V Distribution Panel 2PA 2-5
Location: Bldg. <u>AB2</u> Floor El. <u>613'-6"</u> Room, Area <u>Relay Room (B-15), Col. F-17</u>
Manufacturer, Model, Etc. (optional but recommended) Square "D" model QMB 250VDC
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□ of the 50% of SWEL items requiring such verification)? 6 anchors directly to concrete wall, all visible.
(SEE PICTURES DECNOG97, DECNOG98, DECNOG99, DECNOTOO, DECNOTOZ) ~ DJK 10/11/12
2. Is the anchorage free of bent, broken, missing or loose hardware? All anchors installed. (SEE PICTURES DECNOCAT, DECNOCAS, DECNOCA, DECNOCA) - DTK 10/11/12
3. Is the anchorage free of corrosion that is more than mild surface Y⋈ N□ U□ N/A□ oxidation?
All anchors are free from corrosion.
(SEE PICTURES DSCNO697, DSCNO698, DSCNO699, DSCNO700, DSCN 0702) ~ DJK 10/11/12
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y⊠ N□ U□ N/A□ Concrete is in good condition, no significant cracks. Acceptable as-is.
(SEE PICTURES DECNOGET, DECNOGER, DECNOGER, DECNOTOR, DECNOTOR) NOTA TOTAL
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.) Y ▶ N□ U□ N/A□
Installation conforms to dwg E-2832-11, REV. O (NO APPLICABLE POSTINGS)V DJK 10/12/12
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? No adverse condition observed.



¹ Enter the equipment class name from Appendix B: Classes of Equipment

NJPR-12-0043

Sheet 2 of 3 Status: N U

Equipment ID No. R3200S061A Equip. Class 14-Distribution Panels & Automatic Transfer Switches		
Equipment Description 130V Distribution Panel 2PA 2-5		
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	YM N□ U□ N/A□	
Area is free of soft targets.	~	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? No ceiling tiles. Lights hung on chains with redundant wire cable. Masonry walls are remote and seismically restrained.	Y, M□ U□ N/A□	
9. Do attached lines have adequate flexibility to avoid damage? Conduit and panel are mounted on the same concrete wall which reduces differential movement. Flex conduits have adequate flexible loops.	Y†XIN□U□N/A□	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YN UD	
Other Adverse Conditions		
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? None observed	YØ N□ U□	

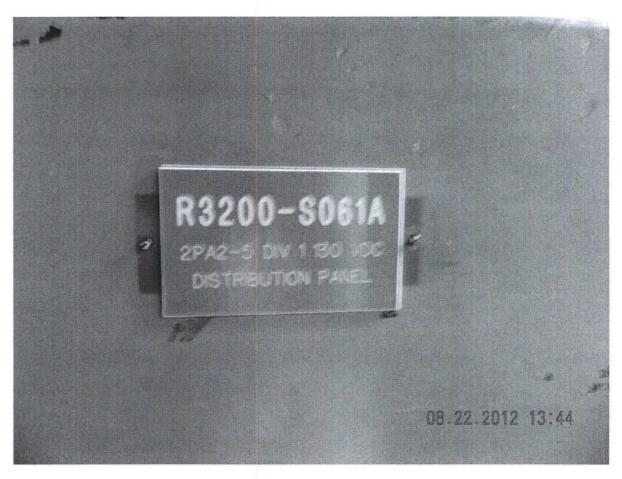
NJPR-12-0043

Sheet 3 of 3 Status: Y N U

Seismic Walkdown Checklist (SWC)
Equipment ID No. R32005061A Equip. Class 1/4- DISTRIBUTION PANELS & AUTOMATIC TRANSFER SWITCHES Equipment Description 130V DISTRIBUTION PANEL 2PAP2-5
Comments (Additional pages may be added as necessary)
Note: Per NEI Focus Gronp response to Frequently Asked Questions (FAQ) dated September 18,2012, a supplemental seismic walkdown was conducted on October 8,2012 to open the panel and visually inspect inside. The Supplemental SWC follows this SWC.
Seismic Engineer Walkdown PSE-53 Qualified Evaluator #1: Davil & Discussion Date: 8/22/2012
Evaluator #2: Osleft While Date: 08/22/2012

Equipment ID No. <u>R3200S061A</u> Equipment Class: <u>14, Distribution Panels and Automatic Transfer Switches</u>

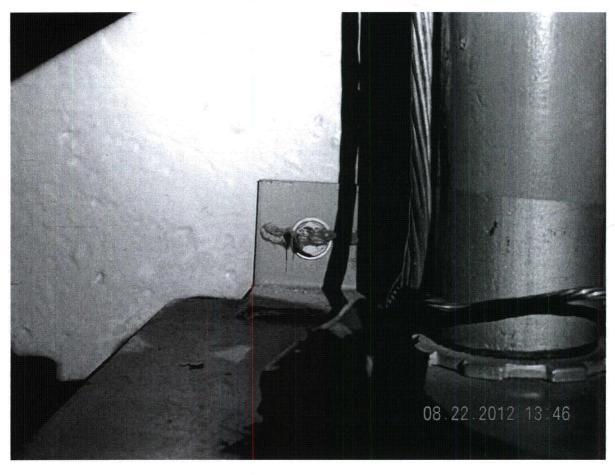
Equipment Description <u>130V Distribution Panel 2PA2-5</u>



(DSCN0696)

Equipment ID No. <u>R3200S061A</u> Equipment Class: <u>14, Distribution Panels and Automatic Transfer Switches</u>

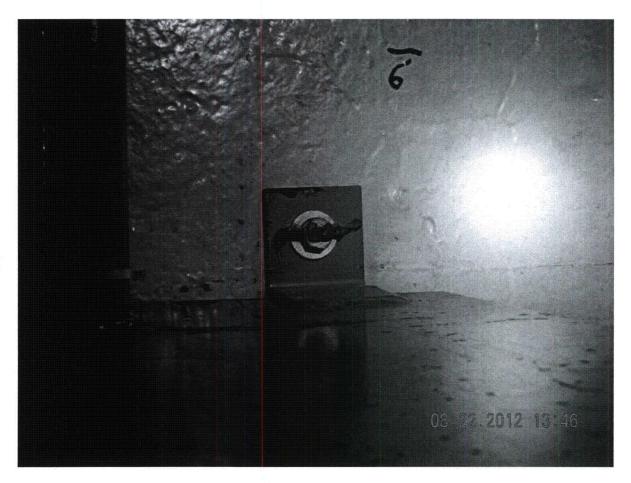
Equipment Description <u>130V Distribution Panel 2PA2-5</u>



(DSCN0697)

Equipment ID No. <u>R3200S061A</u> Equipment Class: <u>14, Distribution Panels and Automatic Transfer Switches</u>

Equipment Description <u>130V Distribution Panel 2PA2-5</u>



(DSCN0698)

Equipment ID No. <u>R3200S061A</u> Equipment Class: <u>14, Distribution Panels and Automatic Transfer Switches</u>

Equipment Description <u>130V Distribution Panel 2PA2-5</u>



(DSCN0699)

Equipment ID No. <u>R3200S061A</u> Equipment Class: <u>14, Distribution Panels and Automatic Transfer Switches</u>

Equipment Description <u>130V Distribution Panel 2PA2-5</u>



(DSCN0700)

Equipment ID No. <u>R3200S061A</u> Equipment Class: <u>14, Distribution Panels and Automatic Transfer Switches</u>

Equipment Description <u>130V Distribution Panel 2PA2-5</u>



(DSCN0702)

NJPR-12-0043

Sheet 1 of 3 Status: N U

[Note: This Walkdown's scope was limited to cabinet internals per 9/18/12 NEI Focus Group response to Frequently Asked Questions.]						
Equipment ID No. R3200S061A Equip. Class 1 14-Distribution Panels & Automatic Transfer Switches						
Equipment Description 130V Distribution Panel 2PA 2-5						
Location: Bldg. AB2 Floor El. 613'-6" Room, Area Relay Room ((Rm B-15), Col. F-17					
Manufacturer, Model, Etc. (optional but recommended) Square "D" Model QM	MB 250VDC					
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 of the 50% of SWEL items requiring such verification)? Not applicable. See August 22, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	Y NO					
2. Is the anchorage free of bent, broken, missing or loose hardware? See August 22, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	YO NO UO N/AD					
3. Is the anchorage free of corrosion that is more than mild surface oxidation? See response to Question 2, above.	Y□ N□ U□ N/A\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					
4. Is the anchorage free of visible cracks in the concrete near the anchors? See response to Question 2, above.	Y UU UVA					
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.) See response to Question 2, above.	Y NU UU N/ACX					
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Not applicable. See August 22, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	Y NU UU					

¹ Enter the equipment class name from Appendix B: Classes of Equipment

NJPR-12-0043

Sheet 2 of 3 Status: N U

Seismic Walkdown Checklist (SWC)

see Photo 1, attached.

	nis Walkdown's scope was limited to cabinet internals per 9/18/12 NEI Focus Group response ment ID No. R3200S061A Equip. Class ¹ _14-Distribution Panels.	
Equipn	nent Description 130V Distribution Panel 2PA 2-5	
Intera	ction Effects	
	Are soft targets free from impact by nearby equipment or structures? See August 22, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	YO NO UO N/AX
	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? See response to Question 7, above.	Y NU UU N/AX
	Do attached lines have adequate flexibility to avoid damage? See response to Question 7, above.	Y NO UO N/AK
	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Not applicable. See August 22, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	Y NU UU
Other .	Adverse Conditions	
	Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YX NO UO

The door on the distribution panel was opened to permit evaluating the adequacy of fasteners securing components mounted inside. None of the components weighed more than five pounds, and all were well-secured. No adverse conditions were identified. For a close-up view,

NJPR-12-0043

Sheet 3 of 3 Status: Y N U

Seismic Walkdown Checklist (SWC)

[Note: This Walkdown's scop	e was limited to cabinet	t internals per 9/18/12	2 NEI Focus Group response	to Frequently Asked Questions.]
Equipment ID No. R	3200S061A	Equip. Class¹_	14-Distribution Panels	& Automatic Transfer Switches
Equipment Description	n <u>130V Distributio</u>	on Panel 2PA 2-:	5	
in a Seismic Wo	! Interaction Effect. alkdown Checklist	s were evaluatea dated August 22	, 2012. However, duri	kdown and results reported ng the Walkdown, the door on ters an opportunity to inspect
anchorage on c Frequently Ask August 22 Wali	components inside ed Questions abou kdown. Therefore,	the panel. A Sep t opening cabine the scope of this	otember 18, 2012, NEI . et doors led to consider s Walkdown included u.	Focus Group response to increasing the scope of the nlocking and opening the
panei aoor ana	evaluating jastene	ers securing com	ponents mounted inside	2.
A Seisn	gic Engineer Walka	down PSE-53Qu	alified	,
Evaluator #1 :				Date: 10/08/12
	nic Engineer Walka	down PSE-53Qu	alified	11./
Evaluator #2 : Mi	ry r. →asso			Date: 10/08/12

Equipment ID. <u>R3200S061A</u> Eqmt Class: <u>14-Distribution Panels & Automatic Transfer Switches</u>

Equipment Description X130V Distribtion Panel 2PA 2-5



Photo 1, Close-Up of Inside of Distribution Panel

NJPR-12-0043

Sheet 1 of 3 Status: Y N U

Seismic Walkdown Checklist (SWC)				
Equipment ID No. <u>R3200S061B</u> Equip. Class 1 <u>14-Distribution Panels</u>	& Automatic Transfer Switches			
Equipment Description 130V Distribution Panel 2PA 2-6				
Location: Bldg. <u>AB2</u> Floor El. <u>613'-6"</u> Room, Area <u>Relay Room(</u>	B-11), Col. F-16			
Manufacturer, Model, Etc. (optional but recommended) Square "D" Model Qi	MB 250VDC			
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of	on item of equipment on the			
SWEL. The space below each of the following questions may be used to record to findings. Additional space is provided at the end of this checklist for documenting	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)? 6 anchors directly to concrete wall, all visible. (SEE PICTURES DECNOTOS THRU DECNOTO) ~ DAY 10/11/12	Y⊠ N□			
2. Is the anchorage free of bent, broken, missing or loose hardware? All anchors installed. (SEE PICTURES DECIMOTOS THRU DECIMOTIO) ~DEK 10/1/12	YM N□ U□ N/A□			
 Is the anchorage free of corrosion that is more than mild surface oxidation? All anchors are free from corrosion. 	Y™ N□ U□ N/A□			
(SEE PICTURES DSCHOTOS THRU DSCHOTIO) ~ DJK 10/11/12				
4. Is the anchorage free of visible cracks in the concrete near the anchors? Concrete is in good condition – no significant cracks. Acceptable as is.	Y⊠ N□ U□ N/A□			
(SEE PICTURES DSCHOTOS THRU DSCHOTIO) ~ DTK 10/11/12				
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)	Y⊠ N□ U□ N/A□			
Installation conforms to dwg E-2832-11, REV. O (No APPLICABLE POSTINGS) - DTK IN12/12				
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? No adverse conditions observed.	Y⊠ N□ U□			

JHL

¹ Enter the equipment class name from Appendix B: Classes of Equipment

NJPR-12-0043

Sheet 2 of 3 Status: Y (V) U

Seismic Walkdown	Checklist	(SWC)
------------------	-----------	-------

Equipment ID No. <u>R3200S061B</u> Equip. Class ¹ <u>14-Distribution Panels & Automatic Transfer Switches</u>			
Equipment Description 130V Distribution Panel 2PA 2-6			
Interaction Effects			
7. Are soft targets free from impact by nearby equipment or structures? Area is free of soft target.	YØ N□ U□ N/A□		
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? No ceiling tiles. Light hung on chains with redundant wire cable. Masonry walls are remote and seismically restrained. There is GAI-Tronic speaker mounted over top of the asset that does not appear to be seismically mounted. CARD 12-26630 was initiated to document this concern. (SEE PICTURE DSCNO072) ~ DSK ICHILL.	Y N⊠ U N/A		
9. Do attached lines have adequate flexibility to avoid damage? Conduit and panel are mounted on the same concrete wall which reduced differential movement. Flex conduit have adequate flexible loops.	YĀĮ N□ U□ N/A□		
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□		
Other Adverse Conditions			
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? None observed.	YQ N□ U□		

Note: Per NEI Focus Group response to Frequently Asked Questions (FAQ) dated September 18,2012, a supplemental seismic walkdown was conducted on October 8,2012 to open the panel and visually inspect inside. The supplemental SWC follows this SWC.

10/24/12

NJPR-12-0043

Sheet 3 of 3
Status: N U

JML 10/04/2017

Seismic Walkdown Checklist (SWC)

Equipment ID No. R	3200S0	61B Equip. Class ¹ _	14-DIST	RI BUTJON PANEL &	AUTOMATIC
Equipment Description	130V	DISTRIBUTION	PANEL	RI BUTJON PANEL É TRANSFER 2PAP-6	

Comments (Additional pages may be added as necessary)

GAYTRONICS SPEAKER ON WALL ABOVE THIS CABINET DOES NOT APPEAR TO BE SEISMICALLY MOUNTED. THIS CONCERN IS DOCUMENTED IN CARD # 12-26630.

Seismic Engineer Walkdown PSE-53Qualified Evaluator #1: David G Dickein	Date: 8/22/2012 .
Seismic Engineer Walkdown PSE 53 Qualified Evaluator #2:	Date: <u>08.12.</u> 2012

Equipment ID No. R3200S061B Equipment Class: 14-Distribution Panels & Automatic Transfer Switches

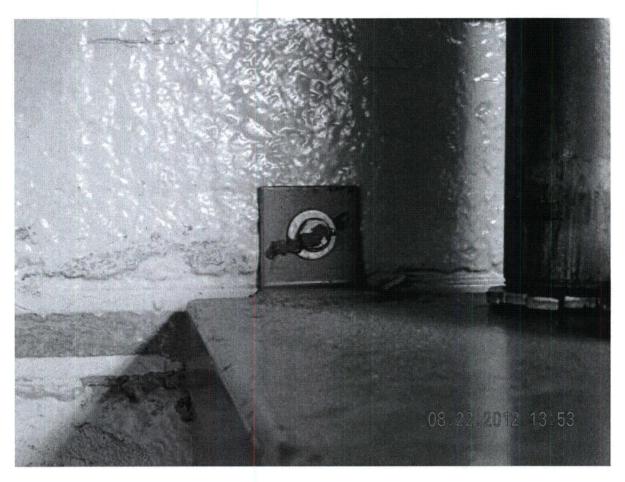
Equipment Description ______130V Distribution Panel 2PA 2-6



(DSCN0704)

Equipment ID No. <u>R3200S061B</u> Equipment Class: <u>14-Distribution Panels & Automatic Transfer Switches</u>

Equipment Description ______130V Distribution Panel 2PA 2-6



(DSCN0705)

Equipment ID No. <u>R3200S061B</u> Equipment Class: <u>14-Distribution Panels & Automatic Transfer Switches</u>



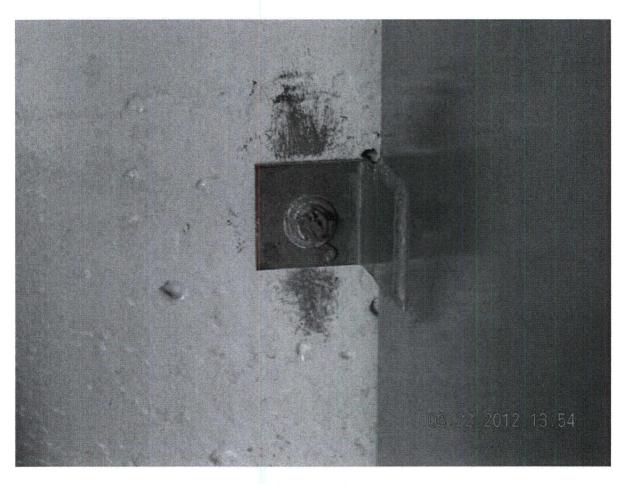
(DSCN0706)

Equipment ID No. <u>R3200S061B</u> Equipment Class: <u>14-Distribution Panels & Automatic Transfer Switches</u>



(DSCN0707)

Equipment ID No. <u>R3200S061B</u> Equipment Class: <u>14-Distribution Panels & Automatic Transfer Switches</u>



(DSCN0708)

Equipment ID No. <u>R3200S061B</u> Equipment Class: <u>14-Distribution Panels & Automatic Transfer Switches</u>

Equipment Description ______130V Distribution Panel 2PA 2-6



(DSCN0709)

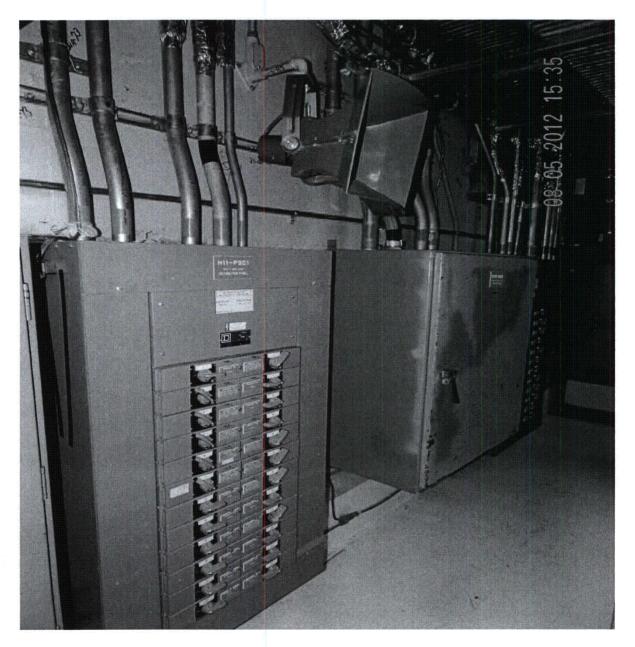
Equipment ID No. <u>R3200S061B</u> Equipment Class: <u>14-Distribution Panels & Automatic Transfer Switches</u>

Equipment Description <u>130V Distribution Panel 2PA 2-6</u>



(DSCN0710)

Equipment ID No. <u>R3200S061B</u> Equipment Class: <u>14-Distribution Panels & Automatic Transfer Switches</u>



(DSCN0072)

NJPR-12-0043

Sheet 1 of 3 Status: N U

Y NUU

Seismic Walkdown Checklist (SWC)	
[Note: This Walkdown's scope was limited to cabinet internals per 9/18/12 NEI Focus Group response Equipment ID No. R3200S061B Equip. Class 1 14-Distribution Panels	
Equipment Description 130V Distribution Panel 2PA 2-6	
Location: Bldg. <u>AB2</u> Floor El. <u>613'-6"</u> Room, Area <u>Relay Room</u>	(Rm B-11), Col. F-16
Manufacturer, Model, Etc. (optional but recommended) Square "D" Model Qu	MB 250VDC
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting.	the 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)? Not applicable. See August 22, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	Y□ N□
2. Is the anchorage free of bent, broken, missing or loose hardware? See August 22, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	Y NU UU N/AX
 Is the anchorage free of corrosion that is more than mild surface oxidation? See response to Question 2, above. 	Y N UU N/AX
4. Is the anchorage free of visible cracks in the concrete near the anchors? See response to Question 2, above.	Y NU UU N/AX
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for	YO NO UO N/AX

which an anchorage configuration verification is required.)

6. Based on the above anchorage evaluations, is the anchorage free of

Not applicable. See August 22, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.

See response to Question 2, above.

potentially adverse seismic conditions?

¹ Enter the equipment class name from Appendix B: Classes of Equipment

NJPR-12-0043

Sheet 2 of 3 Status: (Y) N U

Seismic Walkdown Checklist (SWC)

[Note: This Walkdown's scope was limited to cabinet internals per 9/18/12 NEI Focus Group respon	se to Frequently Asked Questions.]
Equipment ID No. R3200S061B Equip. Class 1 14-Distribution Pane	els & Automatic Transfer Switches
Equipment Description 130V Distribution Panel 2PA 2-6	
Interaction Effects	,
7. Are soft targets free from impact by nearby equipment or structures? See August 22, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	Y DU UD N/AX
8. Are overhead equipment, distribution systems, ceiling tiles and lightin and masonry block walls not likely to collapse onto the equipment? See response to Question 7, above.	g, Y□ N□ U□ N/Aズ
9. Do attached lines have adequate flexibility to avoid damage? See response to Question 7, above.	Y NU UU N/AX
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Not applicable. See August 22, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	Y□ N□ U□
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? The door on the distribution panel was opened to permit evaluating the adequacy of fasteners securing components mounted inside. Also, opened door on one of the panel's fused disconnect switches. All components were well secured. No adverse conditions were identified. See Photos 1 & 2, attached.	

NJPR-12-0043

Sheet 3 of 3 Status: (1) N U

Equipment ID No. R3200S061B Equip. Class 14-Distribution Panels	•	-
Equipment Description 130V Distribution Panel 2PA 2-6		•
Comments (Additional pages may be added as necessary)		
Anchorage and Interaction Effects were evaluated during an August Wal in a Seismic Walkdown Checklist dated August 22, 2012. However, during the instrument panel was not opened to afford Seismic Walkdown Engine anchorage on components inside the panel. A September 18, 2012, NEI Frequently Asked Questions about opening cabinet doors led to consider August 22 Walkdown. Therefore, the scope of this Walkdown included up panel door and evaluating fasteners securing components mounted inside	ng the We eers an op Focus Gr increasin nlocking	alkdown, the door on opportunity to inspect oup response to ng the scope of the
☐ Seismic Engineer Walkdown PSE-53Qualified Compare		
Evaluator #1:	Date:	10/08/12
V		·
Evaluator #2: Mill P. Sasso	Date:	10/08/12
Evaluation #2.	, Daic	1-1001

Equipment ID. <u>R3200S061B</u> Eqmt Class: <u>14-Distribution Panels & Automatic Transfer Switches</u>

Equipment Description <u>X130V Distribtion Panel 2PA 2-6</u>

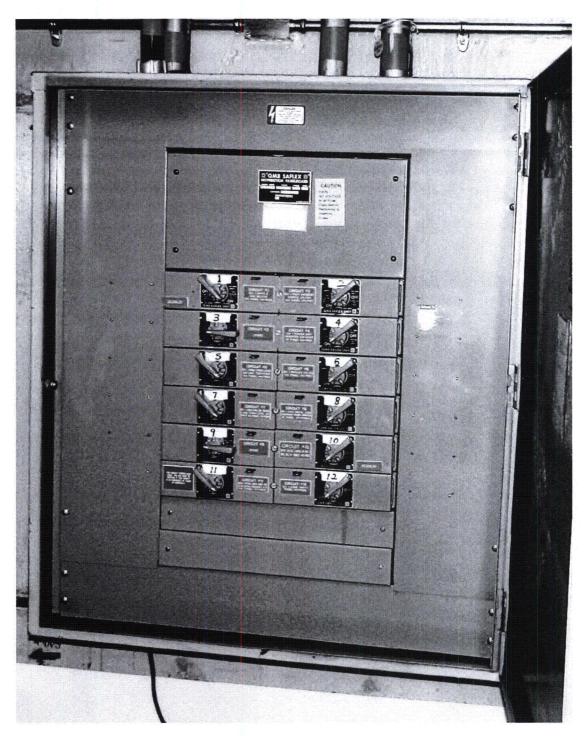


Photo 1, Close-Up of Inside of Panel

Equipment ID. <u>R3200S061B</u> Eqmt Class: <u>14-Distribution Panels & Automatic Transfer Switches</u>

Equipment Description X130V Distribtion Panel 2PA 2-6

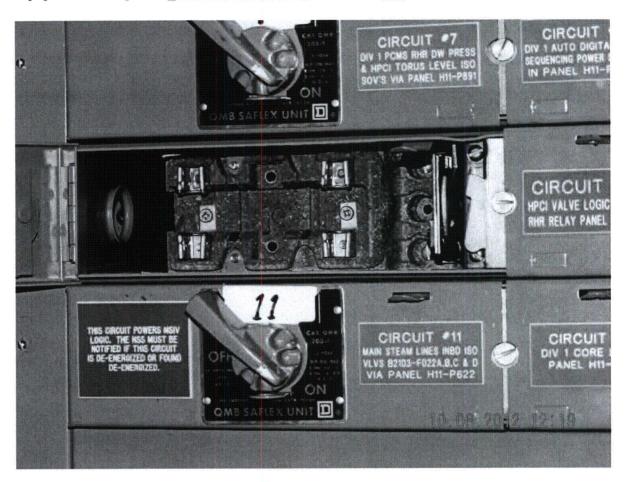
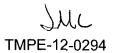


Photo 2, Close-Up View of Fused Disconnect Switch

NJPR-12-0043

Sheet 1 of 3 Status: (Y) N U

Seismic Walkdown Checklist (SWC)
Equipment ID No. <u>R3200S062</u> Equip. Class 1 14, Distribution Panels and Automatic Transfer Switches
Equipment Description DC Switchgear Room 130V Dist. Cabinet 2PA 2-14
Location: Bldg. <u>AB</u> Floor El. <u>613'-06"</u> Room, Area <u>Switchgear Room(B-11) Col. H-11</u>
Manufacturer, Model, Etc. (optional but recommended) <u>Square "D" Model QMB</u>
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 YNN N□ of the 50% of SWEL items requiring such verification)? All anchors visible. (SEE PKTURES DSCH0333 THRY DSCH0336) ~ DTK 10/11/12
2. Is the anchorage free of bent, broken, missing or loose hardware? All anchors are free of bent, broken, missing or loose hardware. (SEE PICTURES DSCHO333 THEM DSCHO336) ~ DJR 10/11/12
3. Is the anchorage free of corrosion that is more than mild surface oxidation? All anchors are free from corrosion. (SIEE PICTURES DECHOSES THRU DSCHOSES) ~ D3k (chill)
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y図 N□ U□ N/A□ Concrete is in good condition. (SEE PILTURES DSCNO333 THRU DSCNO336) ~ DJK 10/11/12
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.) Verified anchorage conforms to TSR-27874 Rev. A
6. Based on the above anchorage evaluations, is the anchorage free of y N□ U□ potentially adverse seismic conditions?



¹ Enter the equipment class name from Appendix B: Classes of Equipment

NJPR-12-0043

Sheet 2 of 3 Status: (Y) N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>R3200S062</u> Equip. Class 1 14, Distribution Panels	and Automatic Transfer Switches
Equipment Description DC Switchgear Room 130V Dist. Cabinet 2PA 2-14	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? Area is free of soft target.	YKZINO UO N/AO
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Lights on cable and wire. Cable tray seismically supported	YØN□U□N/A□
9. Do attached lines have adequate flexibility to avoid damage? Lines are in hard conduit with bend.	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YD U

None observed.

NJPR-12-0043

Sheet 3 of 3 Status: N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. R3200SOG2 Equip. Class 1 14 - DFSTREBUTION PANELS Equipment Description DC SWITCHGEAR ROOM 130V DIST. CABINET 2	- PA 2-14
Comments (Additional pages may be added as necessary) Note: Per NEI Focus Group response to Frequently Asked Questions (FAQ) dated September 18,2012, a supplemental seismic walkdown was conducted on October 8,2012 to open the pamel and visually inspect inside. The Supplemental SWC follows this SWC.	JAM 10/22/12
Evaluator #1: David Chicken Date: OS/14/2012 M Seismic Engineer Walkdown PSE-53Qualified	

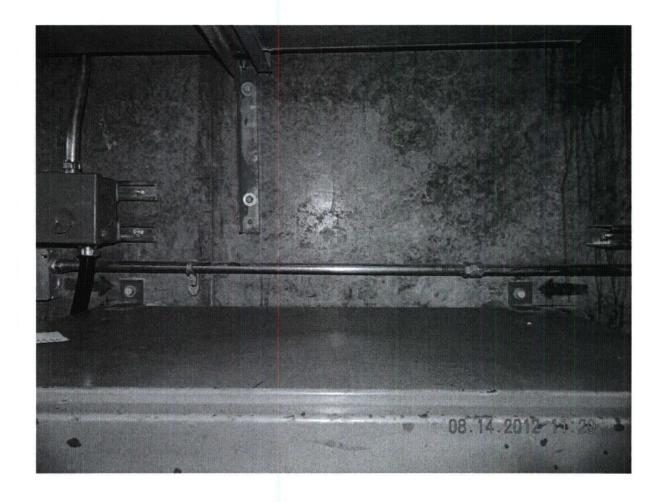
Equipment ID No. R3200S062 Equipment Class: 14, Distribution Panels and Automatic Transfer Switches



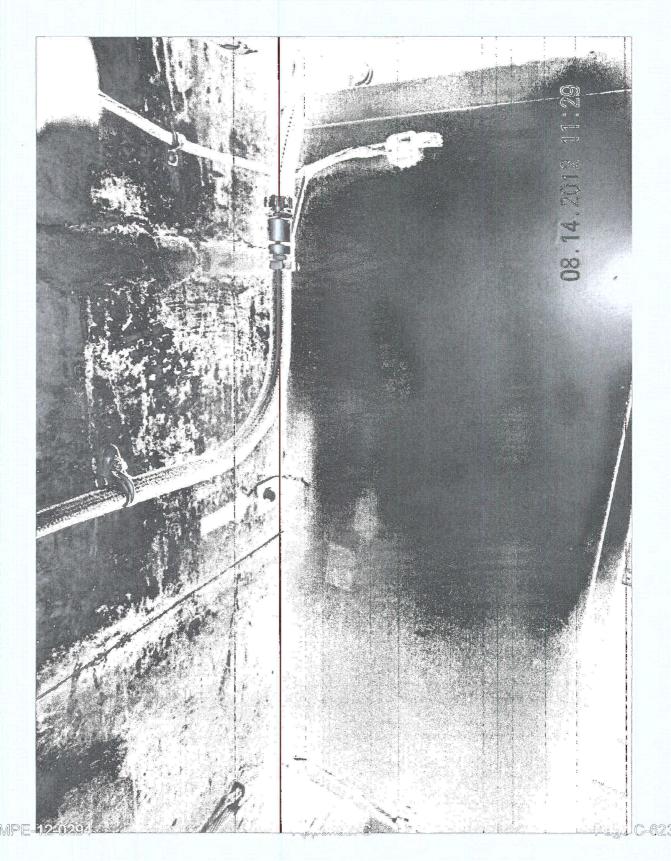
Equipment ID No. <u>R3200S062</u> Equipment Class: <u>14, Distribution Panels and Automatic Transfer Switches</u>



Equipment ID No. <u>R3200S062</u> Equipment Class: <u>14, Distribution Panels and Automatic Transfer Switches</u>



Equipment ID No. R3200S062 Equipment Class: 14, Distribution Panels and Automatic Transfer Switches



Equipment ID No. <u>R3200S062</u> Equipment Class: <u>14, Distribution Panels and Automatic Transfer Switches</u>



NJPR-12-0043

Sheet 1 of 3 Status: (Y), N U

Seismic Wałkdown Checklist (SWC)	
[Note: This Walkdown's scope was limited to cabinet internals per 9/18/12 NEI Focus Group response to	Frequently Asked Questions.]
Equipment ID No. R3200S062 Equip. Class 1 14-Distribution Panels &	Automatic Transfer Switches
Equipment Description DC Switchgear Room 130V Dist. Cabinet 2PA 2-14	
Location: Bldg. AB2 Floor El. 613'-6" Room, Area Switchgear Ro	oom (Rm B-11), Col. H-11
Manufacturer, Model, Etc. (optional but recommended) Square "D" Model QM	MB
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 N
Not applicable. See August 14, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	
2. Is the anchorage free of bent, broken, missing or loose hardware? See August 14, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	YO NO UO N/AM
3. Is the anchorage free of corrosion that is more than mild surface oxidation? See response to Question 2, above.	KANA OU ON OY
4. Is the anchorage free of visible cracks in the concrete near the anchors? See response to Question 2, above.	Y N UU N/AK
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.) See response to Question 2, above.	Y NO U N/AX
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y NU UU
Not applicable. See August 14, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	

¹ Enter the equipment class name from Appendix B: Classes of Equipment

NJPR-12-0043

Sheet 2 of 3 Status: (Y) N U

Seismic Walkdown Checklist (SWC)

· · · · · · · · · · · · · · · · · · ·	
[Note: This Walkdown's scope was limited to cabinet internals per 9/18/12 NEI Focus Group response	
Equipment ID No. R3200S062 Equip. Class 1 14-Distribution Panels	& Automatic Transfer Switches
Equipment Description DC Switchgear Room 130V Dist. Cabinet 2PA 2-14	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? See August 14, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	Y NU UU N/AX
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? See response to Question 7, above.	Y N UU N/AX
9. Do attached lines have adequate flexibility to avoid damage? See response to Question 7, above.	Y NU UU N/AX
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Not applicable. See August 14, 2012, Seismic Walkdown Checklist and comment on page 3 on this checklist dated October 8, 2012.	Y NU UU
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? The door on the distribution panel was opened to permit evaluating the	YX NO UO

adequacy of fasteners securing components mounted inside. None of the components weighed more than five pounds. No adverse conditions

were identified. See Photo 1, attached.

NJPR-12-0043

Sheet 3 of 3 Status: (Y) N U

	•	• .	•
[Note: This Walkdown's s	scope was limited to cabin	et internals per 9/18/1	2 NEI Focus Group response to Frequently Asked Questions.]
Equipment ID No.	R3200S062	Equip. Class ¹	14-Distribution Panels & Automatic Transfer Switches

Equipment Description DC Switchgear Room 130V Dist. Cabinet 2PA 2-14

Comments (Additional pages may be added as necessary)

Seismic Walkdown Checklist (SWC)

Anchorage and Interaction Effects were evaluated during an August Walkdown and results reported in a Seismic Walkdown Checklist dated August 14, 2012. However, during the Walkdown, the door on the instrument panel was not opened to afford Seismic Walkdown Engineers an opportunity to inspect anchorage on components inside the panel. A September 18, 2012, NEI Focus Group response to Frequently Asked Questions about opening cabinet doors led to consider increasing the scope of the August 14 Walkdown. Therefore, the scope of this Walkdown included unlocking and opening the panel door and evaluating fasteners securing components mounted inside.

Evaluator #1: Date: 10/08/17

Seismic Engineer Walkdown PSE-53Qualified

Evaluator #2: Mihal P. Lasso

Date: 10/08/12

Equipment ID. <u>R3200S062</u> Eqmt Class: <u>14, Distribution Panels & Automatic Transferr Switches</u>



Photo 1, Close-Up View of Inside of Panel