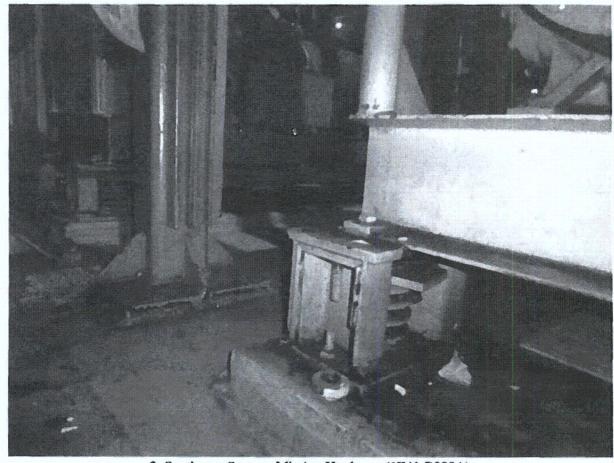
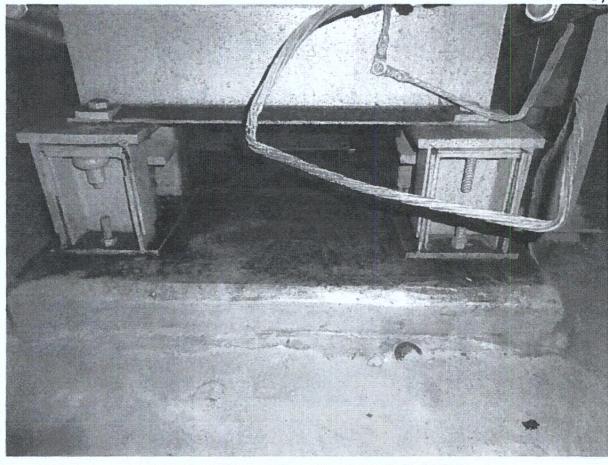
## Sheet 5 of 7



3: Southwest Support Missing Hardware (1Z41-B008A)

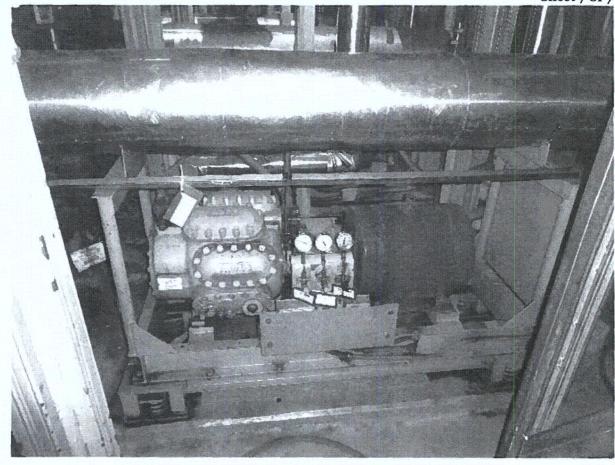
#### NO. SNCH082-RPT-01, VERSION 1.0

## Sheet 6 of 7



4: Southeast Support Missing Hardware (1Z41-B008A)

## Sheet 7 of 7



5: Pipe Supported by Steel Frame Over Equipment (1Z41-B008A)

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>1R43-C001A</u> Equip. Class <sup>1</sup> <u>12</u>	
Equipment Description DG 1A AIR COMPRESSOR 1A1	
Location: Bldg. DIESEL Floor El. 130 Room, Area DIESEL GEN	IERATOR ROOM 1A
Manufacturer, Model, Etc. (optional but recommended)	······································
Instructions for Completing Checklist	ana an
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 documentin	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 NX
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	Y N N U N/A
oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
<ol> <li>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.)</li> </ol>	Y_ N_ U_ N/AØ
-	
6. Based on the above anchorage evaluations, is the anchorage free of	
potentially adverse seismic conditions?	

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Sheet 2 of 7 Status: Y⊠ N□ U□
s .
and a second
YX NO UO N/AO
Y⊠ N□ U□ N/A□
Y⊠ N□ U□ N/A□
YX ND UD
ener han en
YX NO UO
Date: 09/25/2012
<b></b>

NO. SNCH082-RPT-01, VERSION 1.0 Sheet 3 of 7 Status: YX N U

### Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1R43-C001A</u> Equip. Class<sup>1</sup> <u>12</u>

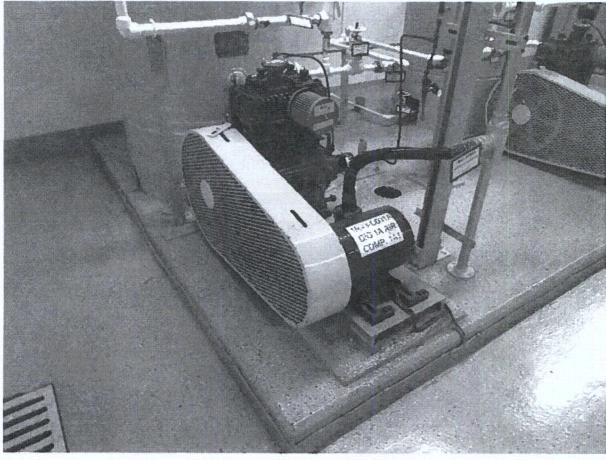
Equipment Description DG 1A AIR COMPRESSOR 1A1

Photographs



1: Equipment MPL# (1R43-C001A)

NO. SNCH082-RPT-01, VERSION 1.0 Sheet 4 of 7

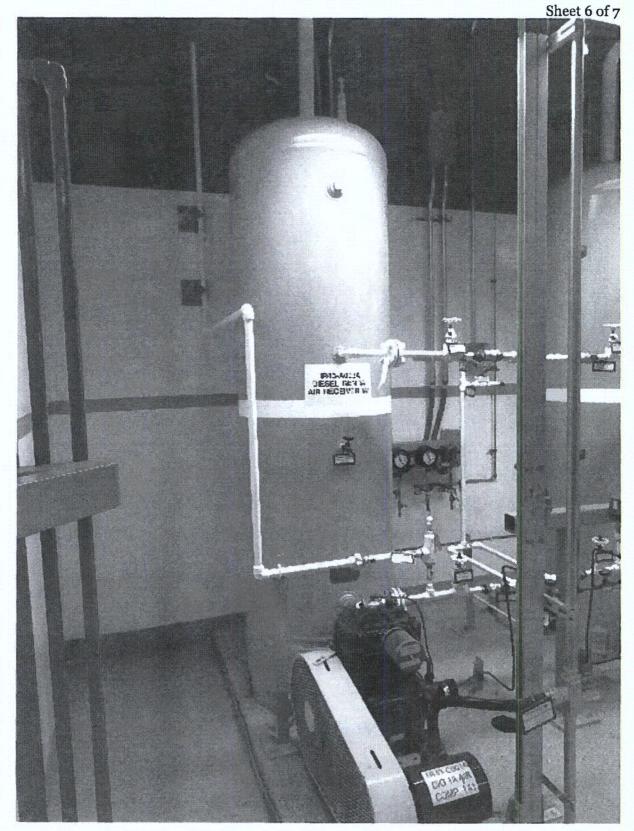


2: Equipment Elevation (1R43-C001A)



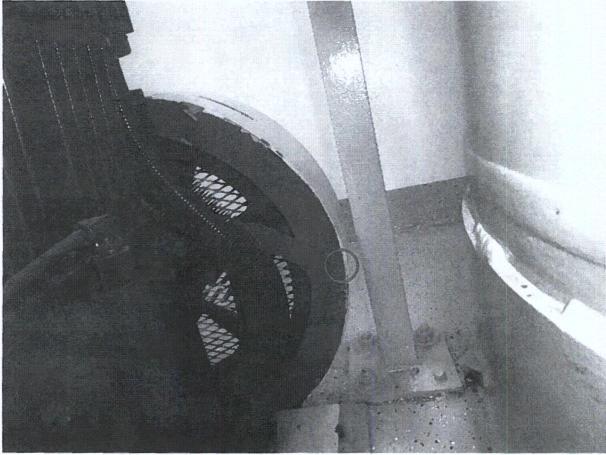
3: Missing Washer and Nut on Base Plate Anchor (1R43-C001A)

NO. SNCH082-RPT-01, VERSION 1.0



4: Elevation of Pipe Supported by 3 Anchors in Base Plate (1R43-C001A)

NO. SNCH082-RPT-01, VERSION 1.0 Sheet 7 of 7



5: Missing Screw in Fan Belt Housing Enclosure (1R43-C001A)

·

## Sheet 1 of 4

Seismic Walkdown Checklist (SWC)	Status: Y⊠ N□ U□
Equipment ID No. <u>1R43-C001B</u> Equip. Class <sup>1</sup> 12	
Equipment Description DG 1B AIR COMPRESSOR 1B1	
Location: Bldg. <u>DIESEL</u> Floor El. <u>130</u> Room, Area <u>DIESEL GEN</u>	ERATOR ROOM 1B
Manufacturer, Model, Etc. (optional but recommended) <u>PATTON'S INC.</u>	
Instructions for Completing Checklist	۲۰٫٫٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬٬
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 the space of the space below.	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 NX
2. Is the anchorage free of bent, broken, missing or loose hardware? The compressor is elevated on the web of a steel channel, which has four (4) angles welded at the corners of the channel flanges. The angles have bolts anchored to a concrete pad.	YX NO UO N/AO
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YX NO UO NAO
4. Is the anchorage free of visible cracks in the concrete near the anchors?	YX 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.)	Y□ N□ U□ N/A⊠
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YN NO UO

.

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

	Sheet 2 of 4 Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>1R43-C001B</u> Equip. Class <sup>1</sup> <u>12</u>	
Equipment Description DG 1B AIR COMPRESSOR 1B1	
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?	Y 🛛 N 🗆 U 🗋 N/A 🗖
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YN UCI
Other Adverse Conditions	an a
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	
<u>Comments</u> (Additional pages may be added as necessary) See SWC for 1R43-S001B for the AWC information.	
Evaluated by: Juan Vizcava AMA	Date: 09/12/2012
Patrick Kelly	09/12/2012

NO. SNCH082-RPT-01, VERSION 1.0 Sheet 3 of 4 Status: Y N U

### Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1R43-C001B</u> Equip. Class<sup>1</sup> <u>12</u>

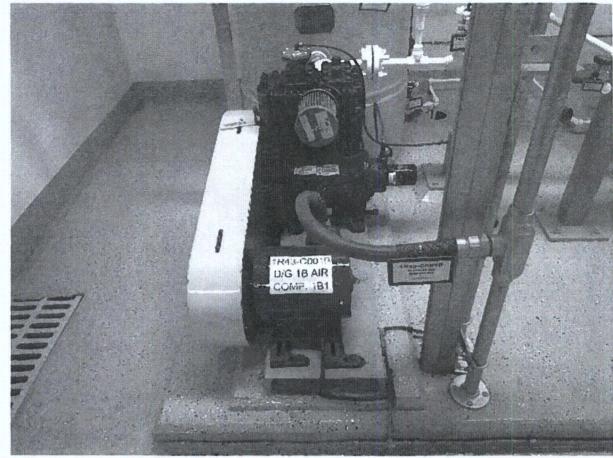
Equipment Description DG 1B AIR COMPRESSOR 1B1

Photographs



1: Equipment MPL# (1R43-C001B)

## Sheet 4 of 4



2: Equipment Elevation (1R43-C001B)

Seismic Walkdown Checklist (SWC)	Status: YX N U
Equipment ID No. <u>1R43-C010B</u> Equip. Class <sup>1</sup> <u>12</u>	
Equipment Description DG 1B AIR COMPRESSOR 1B2	
Location: Bldg. <u>DIESEL</u> Floor El. <u>130</u> Room, Area <u>DIESEL GEN</u>	IERATOR ROOM 1B
Manufacturer, Model, Etc. (optional but recommended) <u>PATTON'S INC.</u>	
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 documentin	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 NX
2. Is the anchorage free of bent, broken, missing or loose hardware? The compressor is elevated on the web of a steel channel, which has four (4) angles welded at the corners of the channel flanges. The angles have bolts anchored to a concrete pad.	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YX NO UO N/AO
4. Is the anchorage free of visible cracks in the concrete near the anchors?	YX 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.)	Y□ N□ U□ N/A⊠
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX NO UO

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>1R43-C010B</u> Equip. Class <sup>1</sup> <u>12</u>	
Equipment Description DG 1B AIR COMPRESSOR 1B2	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	YX NO UO N/AO
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	YX NO UO N/AO
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YM 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?	YM NO UO
Comments (Additional pages may be added as necessary)	
See 1R43-S001B for AWC information.	
Fan belt housing enclosure exhibited holes in the grid cover (see picture written to resolve this issue.	9 3). CR 516335 has been
Evaluated by: Juan Vizcava	Date: 09/12/2012
Patrick Kelly	09/12/2012

NO. SNCH082-RPT-01, VERSION 1.0 Sheet 3 of 5 Status: YX N U

### Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1R43-C010B</u> Equip. Class<sup>1</sup> <u>12</u>

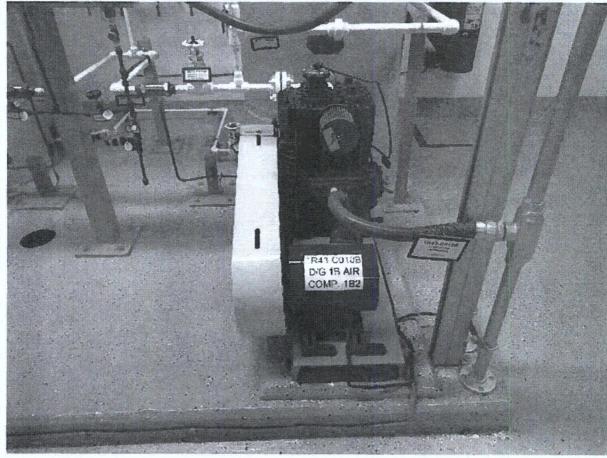
Equipment Description DG 1B AIR COMPRESSOR 1B2

Photographs



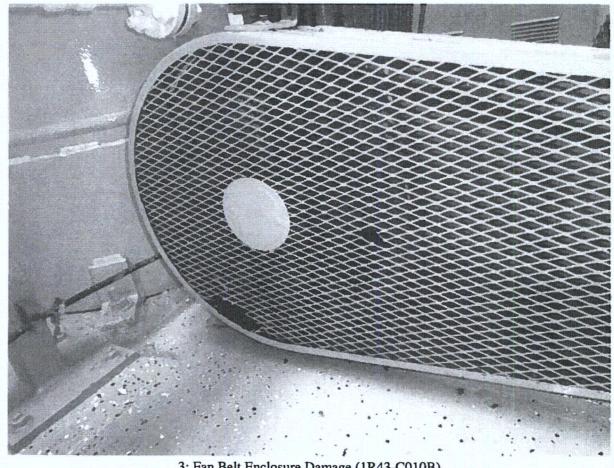
1: Equipment MPL# (1R43-C010B)

## Sheet 4 of 5



2: Equipment Elevation (1R43-C010B)

## Sheet 5 of 5



## 3: Fan Belt Enclosure Damage (1R43-C010B)

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>1R43-C010C</u> Equip. Class <sup>1</sup> <u>12</u>	
Equipment Description DG 1C AIR COMPRESSOR 1C2	
Location: Bldg. <u>DIESEL</u> Floor El. <u>130</u> Room, Area <u>DIESEL GE</u>	NERATOR ROOM 1C
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	an inn ann an 1997 an Ann Ann an A
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)?	Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware? The compressor is elevated on the web of a steel channel, which has four (4) angles welded at the corners of the channel flanges. The angles have bolts anchored to a concrete pad.	YX NO UO N/AO
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YX NO UO N/AO
4. Is the anchorage free of visible cracks in the concrete near the anchors?	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 an anchorage configuration verification is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment,

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>1R43-C010C</u> Equip. Class <sup>1</sup> <u>12</u>	un and a state of the state of
Equipment Description DG 1C AIR COMPRESSOR 1C2	**** <u>-</u> ****
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	YX NO UO N/AO
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
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 of potentially adverse seismic interaction effects?	YØND 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?	YX NO UO
<u>Comments</u> (Additional pages may be added as necessary)	
See 1R43-S001C for AWC information.	
The fan belt enclosure is missing two (2) screws for the fan belt housing 3). CR 516348 has been written to resolve this issue.	enclosure (see photograph
Evaluated by: Juan Vizcaya	Date: 09/12/2012
Patrick Kelly Catholica	09/12/2012

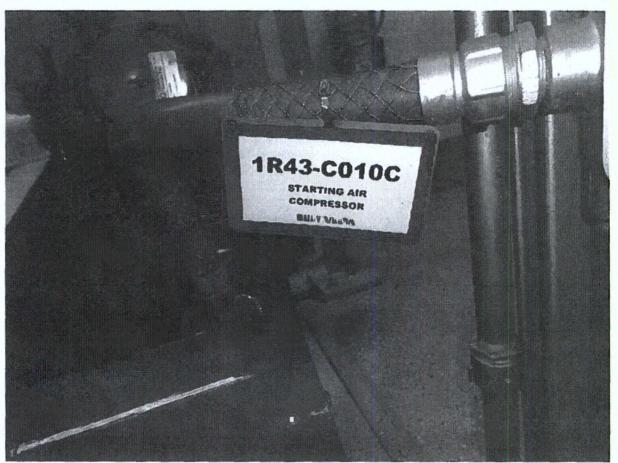
NO. SNCH082-RPT-01, VERSION 1.0 Sheet 3 of 5 Status: YX N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1R43-C010C</u> Equip. Class<sup>1</sup> <u>12</u>

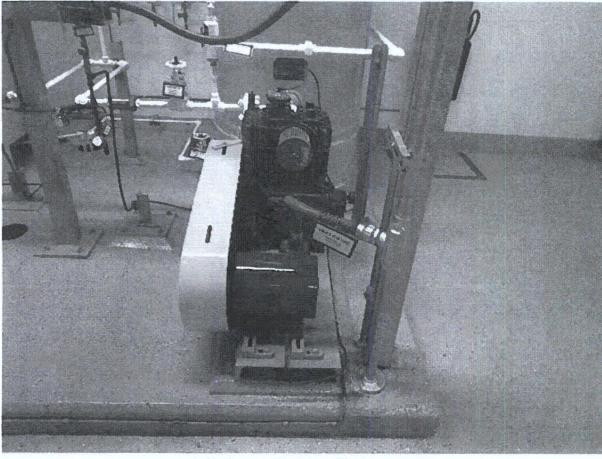
Equipment Description DG 1C AIR COMPRESSOR 1C2

Photographs



#### 1: Equipment MPL# (1R43-C010C)

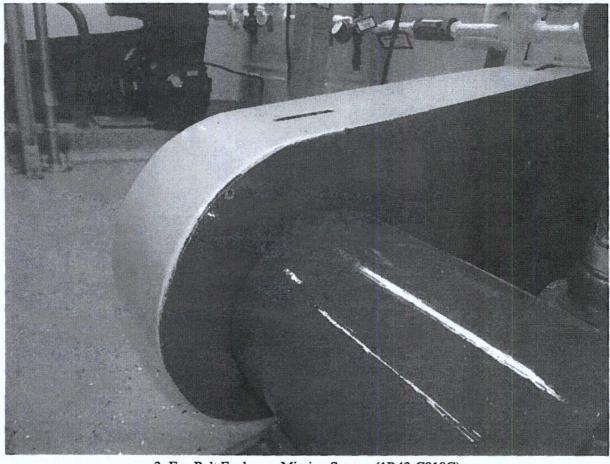
NO. SNCH082-RPT-01, VERSION 1.0 Sheet 4 of 5



2: Equipment Elevation (1R43-C010C)

## NO. SNCH082-RPT-01, VERSION 1.0

## Sheet 5 of 5



3: Fan Belt Enclosure Missing Screws (1R43-C010C)

Status: YX N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>1C71-S001A</u> Equip. Class <sup>1</sup> <u>13</u>	· · · · · · · · · · · · · · · · · · ·
Equipment Description <u>RPS MG Set A Motor Generator</u>	· · · · · · · · · · · · · · · · · · ·
Location: Bldg. <u>CONTROL</u> Floor El. <u>130</u> Room, Area <u>TE-T12</u>	
Manufacturer, Model, Etc. (optional but recommended)	
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 the findings. Additional space is provided at the end of this checklist for documenting the space of the space	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 INX
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y N N U N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YX NO UO N/AO
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.)	Y N U N/A 🛛
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YM NO UO

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

ATTACHMENT 3: SEISMIC WALKDOWN CHE	CKLISTS NO	D. SNCH082-R	PT-01, VERS	SION 1.0	
			She	et 2 of 8	
			Status: Y	⊠ N∏ U[	
Seismic Walkdown Checklist (SWC)					
Equipment ID No. <u>1C71-S001A</u>	Equip. Class <sup>1</sup> 13				
Equipment Description RPS MG Set A Mo	tor Generator				-
Interaction Effects	<u> </u>		,		
7. Are soft targets free from impact by	nearby equipment or structu	res? Y⊠		N/A	
8. Are overhead equipment, distribution and masonry block walls not likely The seismic capacity of the Concre- 50B, C130-51A and C130-54A sur- verified using Drawing H-40383 Re- Table 3.8-20. There is a fluorescent light fixture to component. The light is tied to the only the bulb could fall. The motor judged to have sufficient strength a the motor generator and the bulb w judged to be seismically adequate.	to collapse onto the equipment te Block Walls C130-47E, C1 ounding the Motor Generator tw. 2 and Hatch Unit 2 UFSA without a cover located over t ceiling, so during a seismic e generator is very rugged and s to make a possible impact b	nt? 30- r were R he vent, I is etween	ו אם עם	N/A	
9. Do attached lines have adequate fle There is a section of flex conduit be conduit support with limited slack. attached to the floor and has a low support is rigidly attached to the flo much differential movement betwee The existing slack is judge to be sug movement, so there is no potentiall	tween the motor generator an The motor generator is rigid center of gravity, and the con oor. Therefore, there will not n the two ends of the flex con ficient for the very small diffe y adverse seismic condition.	nd a ly iduit be duit. duit. irential		N/A	
10. Based on the above seismic interac of potentially adverse seismic inter		tfree Y⊠			

### **Other Adverse Conditions**

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?
There are a number of drilled holes in the casing of the motor, particularly at anchorage locations. These holes appear to have been drilled to alter the balance of the motor and are clearly unrelated to component anchorage. Their presence does not indicate missing anchors or screws. Therefore, there is no potentially adverse seismic condition.



## Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1C71-S001A</u> Equip. Class<sup>1</sup> <u>13</u>

Equipment Description <u>RPS MG Set A Motor Generator</u>

Comments (Additional pages may be added as necessary)

See Component 1C71-S001B for Area Walk-by Checklist.

<u> </u>		
Evaluated by: John McFarland	Date:	09/25/2012
Jeff Horton		09/25/2012
		00/20/20/2

NO. SNCH082-RPT-01, VERSION 1.0 Sheet 4 of 8 Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1C71-S001A</u> Equip. Class<sup>1</sup> <u>13</u>

# Equipment Description RPS MG Set A Motor Generator

Photographs

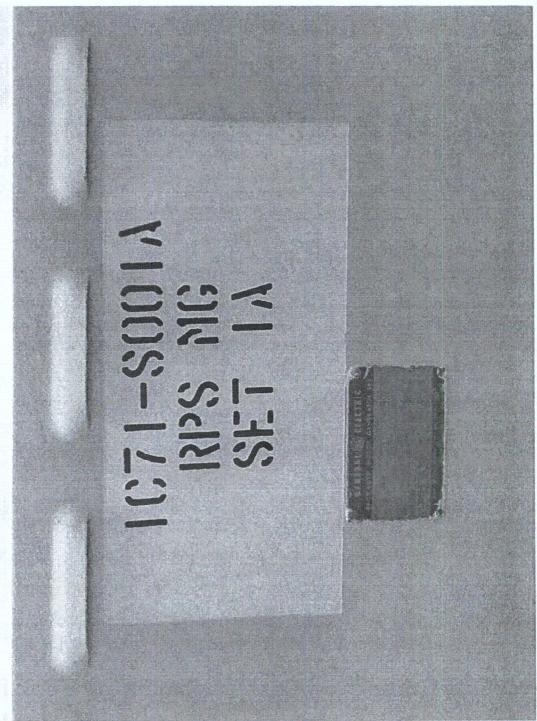


Figure 1 - Equipment ID No (1C71-S001A)

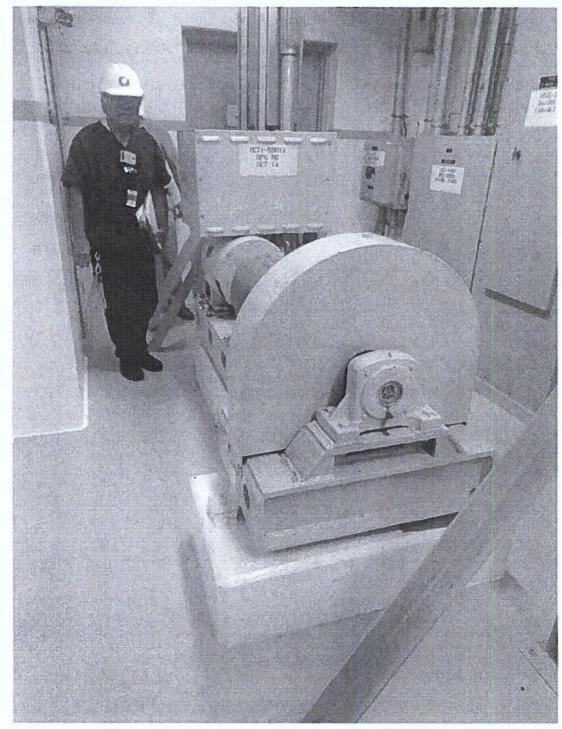


Figure 2 - Equipment Elevation (1C71-S001A)

## Sheet 6 of 8

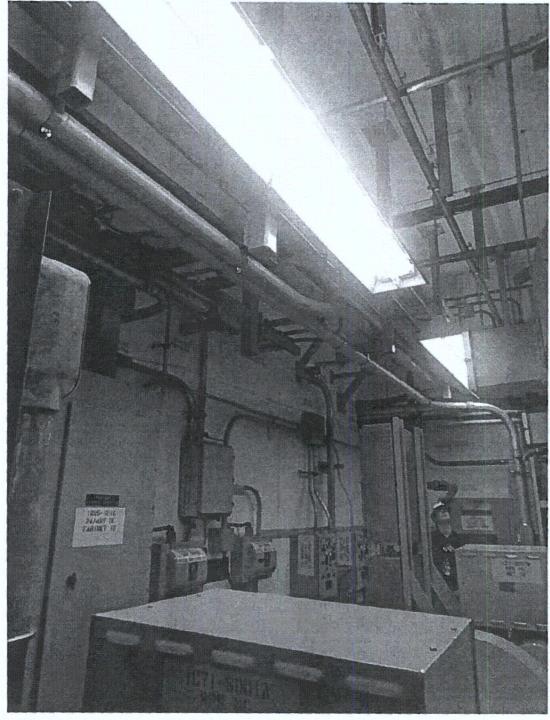


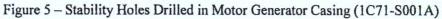
Figure 3 - Light Fixture over Motor Generator (1C71-S001A)

Sheet 7 of 8



Figure 4 - Flex Conduit with Limited Slack (1C71-S001A)





## Sheet 1 of 6

Status: YX N U

Seismic Walkdown Checklist (SWC)
Equipment ID No. <u>1C71-S001B</u> Equip. Class <sup>1</sup> _13
Equipment Description RPS MG Set B Motor Gen
Location: Bldg. <u>CONTROL</u> Floor El. <u>130</u> Room, Area <u>TE-T12</u>
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)?
2. Is the anchorage free of bent, broken, missing or loose hardware? Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface Y⊠ N□ U□ N/A□ oxidation?
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N $\square$ U $\square$ N/A $\square$
5. Is the anchorage configuration consistent with plant documentation? Y N UN N/A (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
<ol> <li>Based on the above anchorage evaluations, is the anchorage free of Y⊠ N□ U□ potentially adverse seismic conditions?</li> </ol>

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

## Sheet 2 of 6

	Sheet 2 of 6
Seismic Walkdown Checklist (SWC)	Status: Y⊠ N□ U□
Equipment ID No. <u>1C71-S001B</u> Equip. Class <sup>1</sup> <u>13</u>	
Equipment Description <u>RPS MG Set B Motor Gen</u>	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	YX NO UO N/AO
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? The seismic capacity of the Concrete Block Walls C130-47E, C130-50B, C130-51A and C130-54A surrounding the Motor Generator were verified using Drawing H-40383 Rev. 2 and Hatch Unit 2 UFSAR Table 3.8-20. There is a fluorescent light fixture without a cover located over the component. The light is tied to the ceiling, so during a seismic event, only the bulb could fall. The motor generator is very rugged and is judged to have sufficient strength as to make a possible impact between the motor generator and the bulb insignificant. Therefore, it is judged to be seismically adequate.	Y⊠ N⊡ U⊡ N/A⊡
9. Do attached lines have adequate flexibility to avoid damage?	YX NO UO N/AO
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?	Y⊠ N□ U□

<u>Comments</u> (Additional pages may be added as necessary)

None.

## Sheet 3 of 6

Status: YX N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>1C71-S001B</u> Equip. Class <sup>1</sup> <u>13</u>	
Equipment Description <u>RPS MG Set B Motor Gen</u>	an an ann an
Evaluated by: John McFarland	Date: <u>09/10/2012</u>
Jeff Horton Juff Horton	09/10/2012

Sheet 4 of 6 Status: Y⊠ N□ U□

## Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1C71-S001B</u> Equip. Class<sup>1</sup> <u>13</u>

Equipment Description RPS MG Set B Motor Gen

Photographs

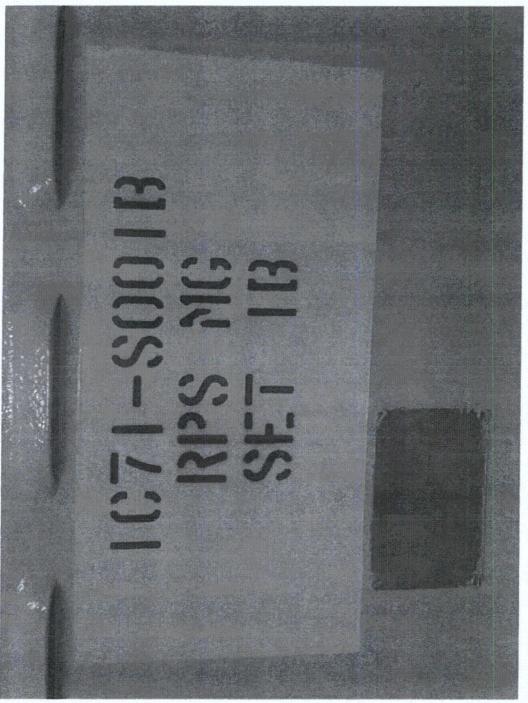
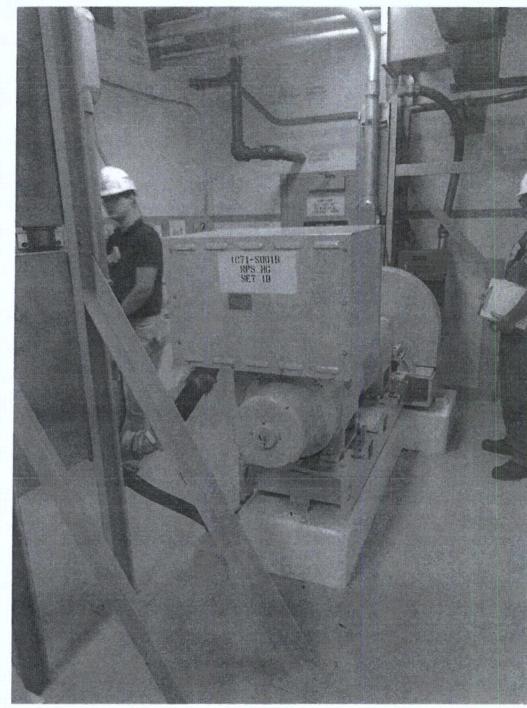
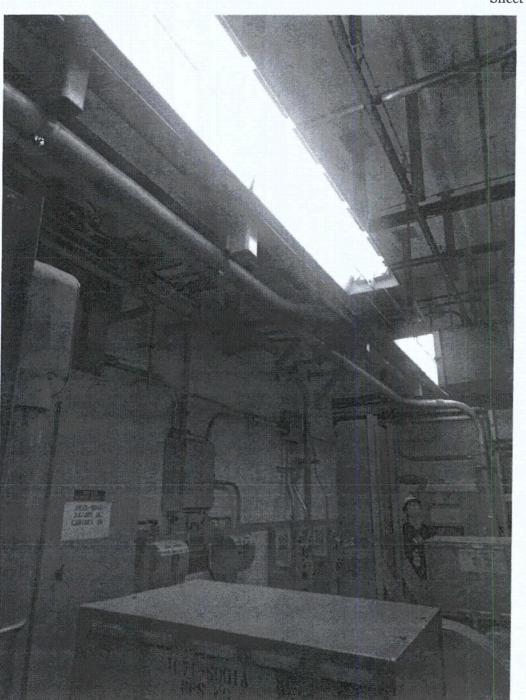


Figure 1 – Equipment ID No (1C71-S001B)



Sheet 5 of 6

Figure 2 – Equipment Elevation (1C71-S001B)



Sheet 6 of 6

Figure 3 – Flourescent Light over Equipment (1C71-S001B)

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## Sheet 1 of 4

.

Status: YX N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>1R42-S001A</u> Equip. Class <sup>1</sup> <u>15</u>	
Equipment Description <u>125/250V Station Battery 1A</u>	
Location: Bldg. <u>CONTROL</u> Floor El. <u>112</u> Room, Area <u>C029</u>	
Manufacturer, Model, Etc. (optional but recommended)	
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)?	Y NX
2. Is the anchorage free of bent, broken, missing or loose hardware? The battery supports are welded to steel plates.	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YX NO UO NAO
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ Ń/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 an anchorage configuration verification is required.)	Y□ N□ U□ N/A⊠
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□

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<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

	Sheet 2 of 4 Status: $Y \boxtimes N \square U \square$
Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>1R42-S001A</u> Equip. Class <sup>1</sup> _15	
Equipment Description <u>125/250V Station Battery 1A</u>	
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? Seismic acceptability of block walls were validated using drawing H- 40384 Rev. 0 and Hatch Unit 2 UFSAR Table 3.8-2, Walls C112- 21A,21D, 20A,20B, 23A, 23B IPEEE identified several lights above sensitive equipment with a	Y⊠ N⊡ U⊟ N/A⊡
potential to fall. All lights in the area have been reviewed, and safety chains and cover locks have been added to all lights.	
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?	צ⊠ אם עם
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YX NO UO
<u><b>Comments</b></u> (Additional pages may be added as necessary) None	
Evaluated by: John McFarland	Date: 09/06/2012
Jeff Horton Jeff Horton	09/06/2012

Sheet 3 of 4 Status:  $Y \boxtimes N \square U \square$ 

### Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1R42-S001A</u> Equip. Class<sup>1</sup> <u>15</u>

Equipment Description 125/250V Station Battery 1A

Photographs

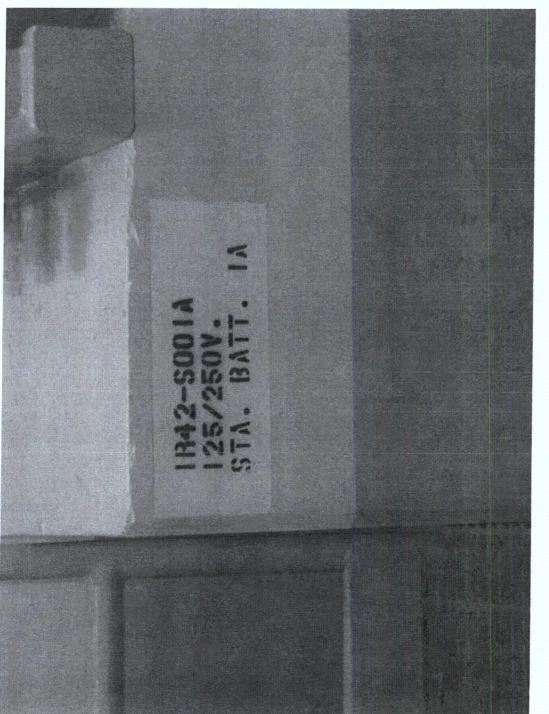


Figure 1 – Equipment ID No (1R42-S001A)



Sheet 4 of 4

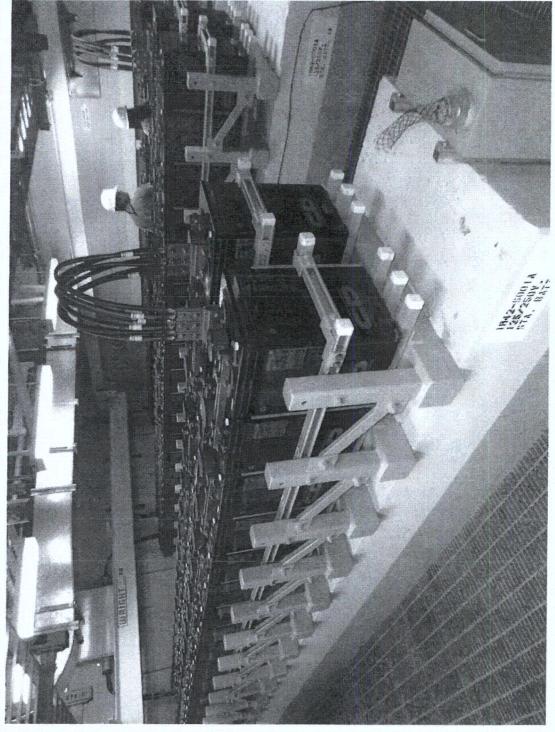


Figure 2 – Equipment Elevation (1R42-S001A)

Sheet	1	of 4	
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Status:  $Y \boxtimes N \square U \square$ 

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>1R42-S001B</u> Equip. Class <sup>1</sup> _15	
Equipment Description 125/250V STATION BATTERY 1B	un a columna contra un la coluir produce companya companya con
Location: Bldg. <u>CONTROL</u> Floor El. <u>112</u> Room, Area <u>C028</u>	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting the space of t	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 NX
2. Is the anchorage free of bent, broken, missing or loose hardware? Multiple welds attach battery supports to building embedded steel plates. The SWE's inspected condition of all welds. Based on this inspection the SWE's have determined the anchorage is seismically adequate.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N⊡ U⊡ N/A⊡
4. Is the anchorage free of visible cracks in the concrete near the anchors?	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 an anchorage configuration verification is required.)	Y NI UNAX
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX NO UO

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

	Sheet 2 of 4 Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)	i
Equipment ID No. <u>1R42-S001B</u> Equip. Class <sup>1</sup> <u>15</u>	
Equipment Description <u>125/250V STATION BATTERY 1B</u>	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ 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? Block wall analysis verified by Drawing H40384, rev. 0 and Hatch 2 UFSAR Table 3.8-20 Also, the IPEEE issue of lights falling on equipment have been verified in this walk-down (See Figure 2) that shows lights safety wired to the ceiling.	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	ŸĂ NO ŬO N/AO
10. Based on the above seismic interaction evaluations, is equipment free 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?	YX NO UO
<u>Comments (Additional pages may be added as necessary)</u> None.	
Evaluated by: John McFarland	Date: 09/13/2012

Sheet 3 of 4 Status: Y⊠ N□ U□

## Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1R42-S001B</u> Equip. Class<sup>1</sup> <u>15</u>

Equipment Description 125/250V STATION BATTERY 1B

Photographs

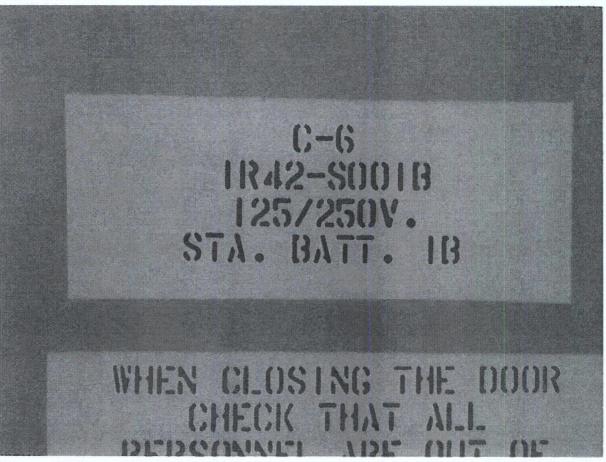


Figure 1: Equipment ID No 1R42-S001B



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Sheet 4 of 4

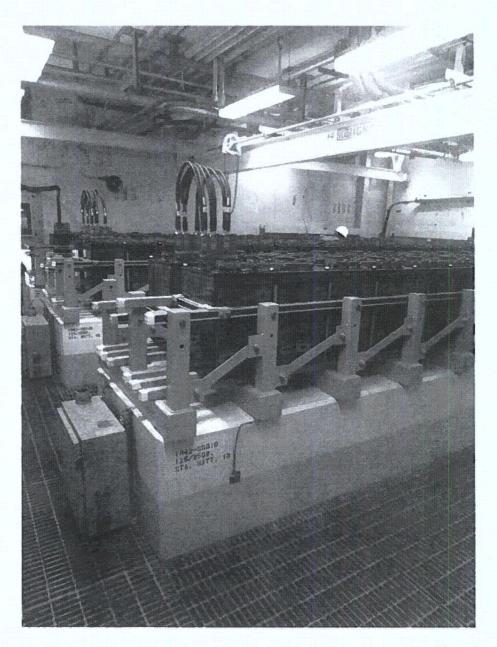


Figure 2 - Equipment Elevation Showing Typical Anchorage Configuration

Sĥ	ee	ŧ	1	of	6

Status: YX N U

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Seismic Walkdown Checklist (SWC)
Equipment ID No. <u>1R42-S002A</u> Equip. Class <sup>1</sup> 15
Equipment Description 125V DIESEL SYSTEM BATTERY 1A
Location: Bldg. DIESEL Floor El. 130 Room, Area Battery room 1A
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)?
2. Is the anchorage free of bent, broken, missing or loose hardware? YX NI UI N/AI
3. Is the anchorage free of corrosion that is more than mild surface Y⊠ N□ U□ N/A□ oxidation?
4. Is the anchorage free of visible cracks in the concrete near the anchors? $Y \boxtimes N \square U \square N/A \square$
<ul> <li>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.)</li> <li>This equipment was originally identified as A-46 &amp; IPEEE outlier due to the following; 1. A potential bolt bending concern due to the gap the floor and base support members. 2. Potential interaction with overhead light fixtures.</li> <li>Shims were observed to have been installed (DCR 89-261) to provide full contact between the bolts. Support members and concrete structure as shown in the attached picture.</li> <li>The lights were attached (DCR 90-010) in such a way that there are two wires supporting the light structure and two brackets supporting the bulb housing as shown in the attached figure.</li> </ul>
6. Based on the above anchorage evaluations, is the anchorage free of YX NI UI potentially adverse seismic conditions?

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<sup>&</sup>lt;sup>4</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

	Sheet 2 of 6 Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>1R42-S002A</u> Equip. Class <sup>1</sup> <u>15</u>	
Equipment Description <u>125V DIESEL SYSTEM BATTERY 1A</u>	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	YM NO 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 are tied and the housing attached as described in Item # 5.	YX NO UO NAO
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 of potentially adverse seismic interaction effects?	ŸØ 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?	YØ NO UD
<u>Comments (Additional pages may be added as necessary)</u> None	
Evaluated by: Juan Vizcaya	Date: <u>9/26/2012</u>
Patrick Kelly	9/26/2012

Sheet 3 of 6 Status:  $Y \boxtimes N \bigsqcup U \bigsqcup$ 

## Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1R42-S002A</u> Equip. Class<sup>1</sup> <u>15</u>

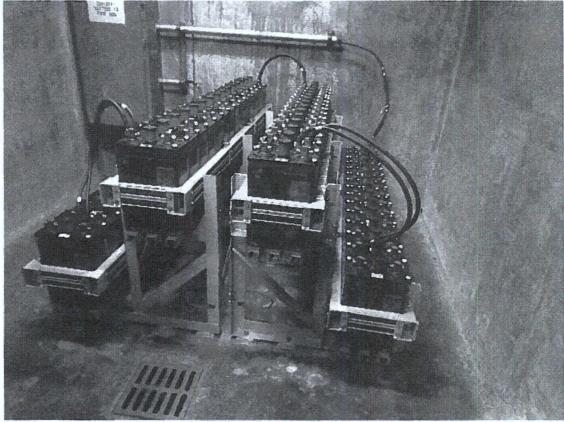
### Equipment Description 125V DIESEL SYSTEM BATTERY 1A

Photographs



1: Equipment MPL# (1R42-S002A)

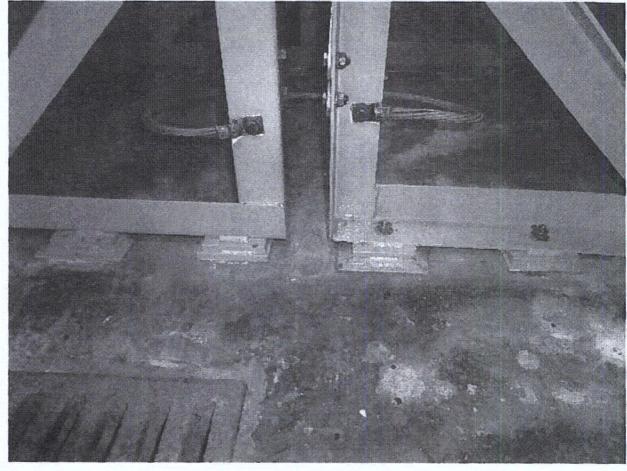
# Sheet 4 of 6



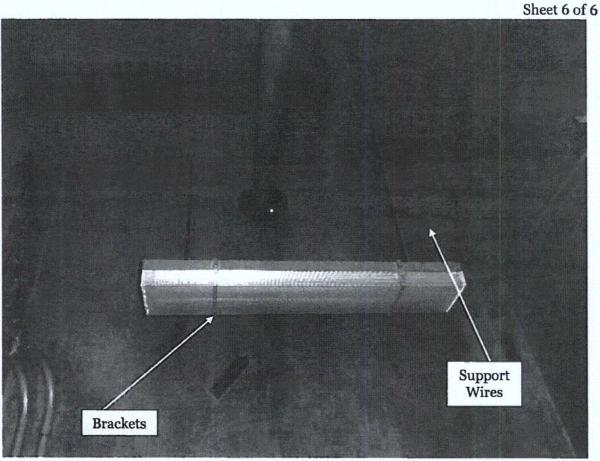
2: Equipment Elevation (1R42-S002A)

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# Sheet 5 of 6



3: Equipment Support Shims (1R42-S002A)



4: Light Fixtures (1R42-S002A)

# Sheet 1 of 5 Status: YX N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>1R42-S002B</u> Equip. Class <sup>1</sup> <u>15</u>	
Equipment Description <u>125V Diesel System Battery 1B</u>	
Location: Bldg. <u>DIESEL</u> Floor El. <u>130</u> Room, Area <u>Diesel Gene</u>	rator Battery Room 1B
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting the space of t	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⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N⊡ U⊡ N/A⊡
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
There is mild surface oxidation on one of the anchor bolts. Since oxidation is only on the surface, the bolts are not degraded. Therefore, judged not to be a concern.	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
<ol> <li>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.) SEWS Package 1R42-S002B (dated 10/30/88) and Calculation SCNH- 06-035 Rev. 2</li> </ol>	Y⊠ N□ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YN NO UO

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Sheet 2 of 5

Status: YX NU U

Seismic Walkdown Checklist (SWC)	السباح ومرواه والاستار ومرواه
Equipment ID No. <u>1R42-S002B</u> Equip. Class <sup>1</sup> <u>15</u>	<u>.</u>
Equipment Description <u>125V Diesel System Battery 1B</u>	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	YA NO UO NAO
and masonry block walls not likely to collapse onto the equipment? IPEEE identified several lights above sensitive equipment with a potential to fall. All lights in the area have been reviewed, and safety chains and cover locks have been added to all lights.	Y⊠ N⊡ U⊡ N/A⊡
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 of potentially adverse seismic interaction effects?	YN 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?	Y N N
Comments (Additional pages may be added as necessary)	
None	
A	
Evaluated by: John McFarland	Date: 09/19/2012
Jeff Horton Jeff Horton	09/19/2012

Sheet 3 of 5

Status: YX N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1R42-S002B</u> Equip. Class<sup>1</sup> <u>15</u>

Equipment Description <u>125V Diesel System Battery 1B</u>

Photographs

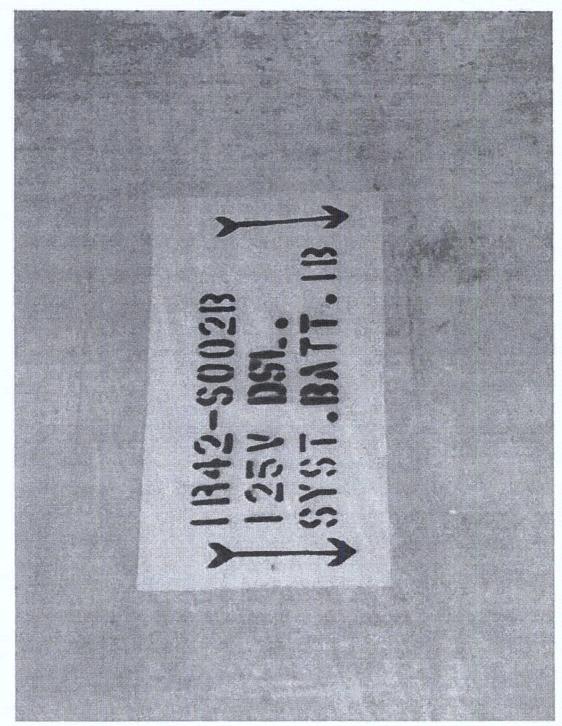


Figure 1 – Equipment ID No (1R42-S002B)

# Sheet 4 of 5

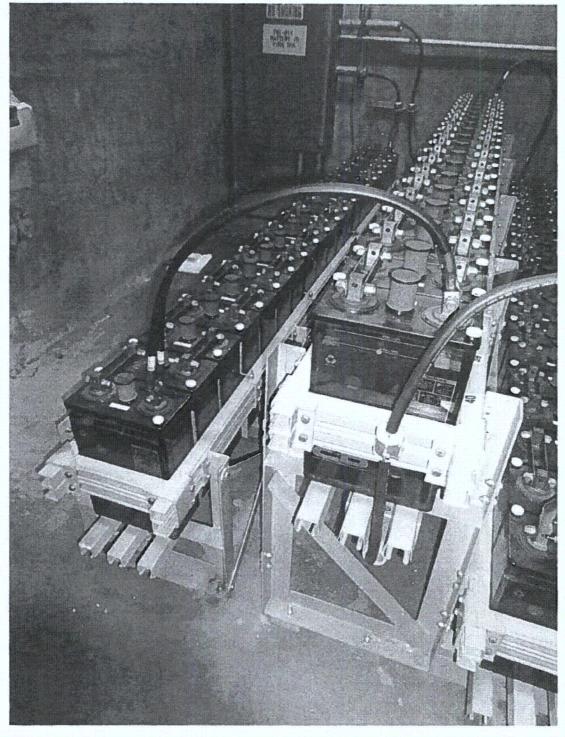


Figure 2 – Equipment Elevation (1R42-S002B)

#### ATTACHMENT 3: SEISMIC WALKDOWN CHECKLISTS

### NO. SNCH082-RPT-01, VERSION 1.0

Sheet 5 of 5

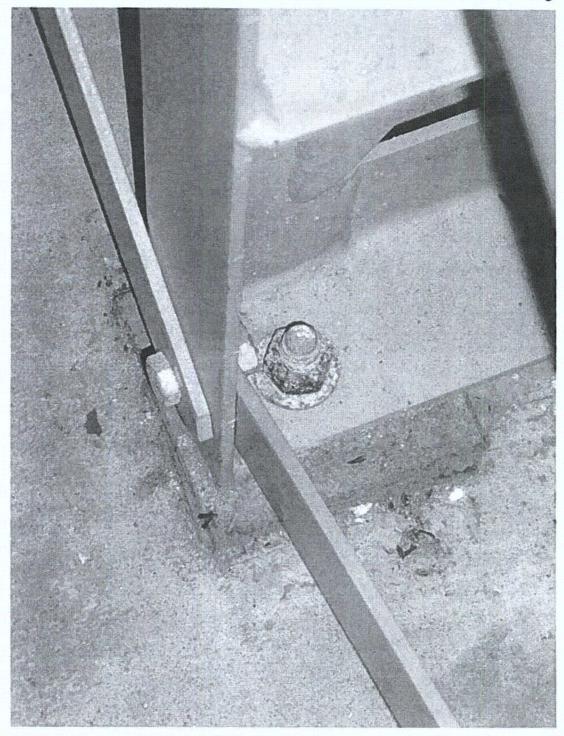


Figure 3 - Surface Oxidation on Anchor Bolt (1R42-S002B)

#### Sheet 1 of 4

Status: YX N U

Seismic Walkdown Checklist (SWC)					
Fauinment ID No.	1842-50020	Fauin	Closel 15		

Equipment ID No. <u>myz-50025</u> Equip. Class- <u>15</u>	i
Equipment Description <u>125V DIESEL SYSTEM BATTERY 1C</u>	
Location: Bldg. <u>DIESEL</u> Floor El. <u>130</u> Room, Area <u>BATTERY ROOM 1C</u>	
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 of the 50% of SWEL items requiring such verification)?	Y⊠ N□
	2. Is the anchorage free of bent, broken, missing or loose hardware?	
3	3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
2	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.) This equipment was originally identified as A-46 & IPEEE outlier due to the following; 1. A potential bolt bending concern due to the gap the floor and base support members. 2. Potential interaction with overhead light fixtures. Shims were observed to have been installed (DCR 89-261) to provide full contact between the bolts. Support members and concrete structure as shown in the attached picture. The lights were attached (DCR 90-010) in such a way that there are two wires supporting the light structure and two brackets supporting the bulb housing as shown in the attached figure.	
1	6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	

<sup>&</sup>lt;sup>1</sup>Enter the equipment class name from Appendix B: Classes of Equipment.

ATTACHMENT 3: SEISMIC WALKDOWN CHECKLISTS	NO. SNCH082-RPT-01, VERSION 1.0	
	Sheet 2 of 4	
	Status: YX N U	
Seismic Walkdown Checklist (SWC)		
Equipment ID No. <u>1R42-S002C</u> Equip. Class <sup>1</sup> <u>15</u>		
Equipment Description <u>125V DIESEL SYSTEM BATTERY 1C</u>		
Interaction Effects		
7. Are soft targets free from impact by nearby equipment or stru	actures? Y N N U N/A	
8. Are overhead equipment, distribution systems, ceiling tiles and masonry block walls not likely to collapse onto the equip Lights are tied as recommended in SEWS package dated 10.	oment?	
9. Do attached lines have adequate flexibility to avoid damage?		
10. Based on the above seismic interaction evaluations, is equipm of potentially adverse seismic interaction effects?	nent free Y N N	
Other Adverse Conditions	an an ann a ann an ann an air air an	
11. Have you looked for and found no other seismic conditions the adversely affect the safety functions of the equipment?	hat could Y⊠ N□ U□	
<u>Comments (Additional pages may be added as necessary)</u> None.		
Evaluated by: Juan Vizcaya	Date: 09/25/2012	
Patrick Kelly Pathetta	09/25/2012	

## Sheet 3 of 4

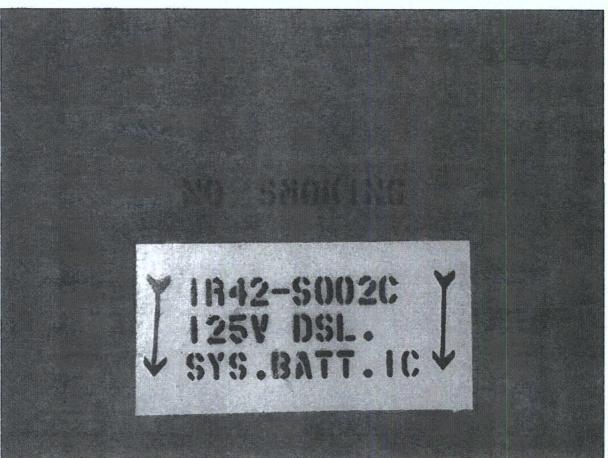
Status: YX N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1R42-S002C</u> Equip. Class<sup>1</sup> <u>15</u>

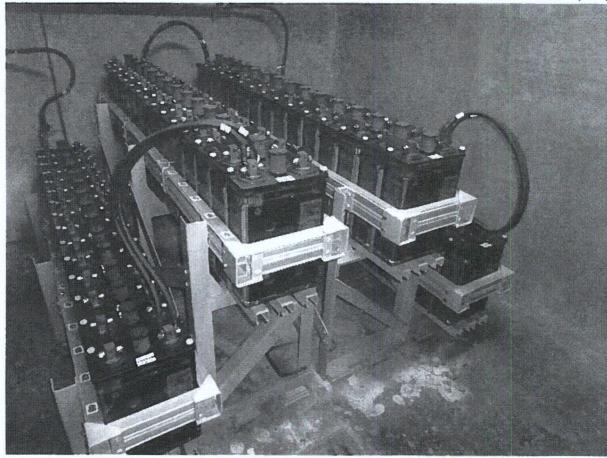
## Equipment Description 125V DIESEL SYSTEM BATTERY 1C

Photographs



1: Equipment MPL# (1R42-S002C)

## Sheet 4 of 4



2: Equipment Elevation (1R42-S002C)