Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: EGHV101 Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves Equipment Description: CCW TO RHR HX A ISO Project: Callaway SWEL Location (Bldg, Elev, Room/Area): AUX, 2026.00 ft, 1408 Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% No of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable 4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable 5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

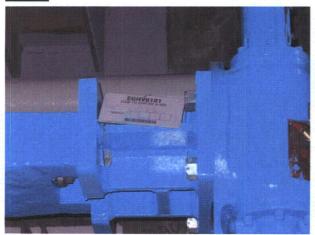
Seismic Walkdown Checklis	t (SWC)	Status: Y N U
Equipment ID No.:	EGHV101	
	(8) Motor-Operated and Solenoid-Operated Valves	
	CCW TO RHR HX A ISO	
Interaction Effects		NZ sid
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
	ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes
	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		
1 To	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes
Comments		
Evaluated by:  A. Landing Somer &	Apostolos Karavoussianis Date:	11/16/2012
	Samer El-Bahey	11/16/2012

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: EGHV101

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: CCW TO RHR HX A ISO





EGHV1010396 EGHV1010397

	Status: Y N U
Seismic Walkdown Checklist (SWC)	The second secon
Equipment ID No.: EJFIS610	
Equipment Class: (18) Instruments on Racks	
Equipment Description: RHR PMP 1A MINIFLOW CONTROL DISCHARGE	
 Project: Callaway SWEL	
Location (Bldg, Elev, Room/Area): AUX, 2000.00 ft, 1301	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other cord	of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
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.)  Instrument's mounting frame is bolted to a 6x6 TS and 3x3 angle. The angle is welded to the TS. The TS is anchored to the wall by expansion anchors, typical anchor detail. OK per J-27D26, and J-27G02.	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Ch		atus: Y N U	
Equipment II	D No.: EJFIS610		
Equipment (	Class: (18) Instruments on Racks		
Equipment Descr	iption: RHR PMP 1A MINIFLOW CONTROL DISCHARGE		
Interaction Effects			
	free from impact by nearby equipment or structures?	Yes	
Tubing betwee anchored to wal	n EJFIS610 and EJFT618 with 3/16" gap both instruments are l, therefore O.K.		
	quipment, distribution systems, ceiling tiles and lighting, and valls not likely to collapse onto the equipment?	Yes	
9. Do attached line	es have adequate flexibility to avoid damage?	Yes	
	pove seismic interaction evaluations, is equipment free of rse seismic interaction effects?	Yes	
Other Adverse Condition	<u>ons</u>	70.3000 VIII. VIII	
	d for and found no adverse seismic conditions that could the safety functions of the equipment?	Yes	
Comments			
Comments			
Evaluated by:	Apostolos Karavoussianis Date: 11/16/2	<u></u>	

Status: Y

N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: EJFIS610

Equipment Class: (18) Instruments on Racks

**Equipment Description:** RHR PMP 1A MINIFLOW CONTROL DISCHARGE



EJFIS6100307



EJFIS6100309



EJFIS6100308



EJFIS6100310

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: EJFIS610

Equipment Class: (18) Instruments on Racks

Equipment Description: RHR PMP 1A MINIFLOW CONTROL DISCHARGE



EJFIS6100311



EJFIS6100313



EJFIS6100312

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: EJHV8809A	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: RHR TO ACCUM INJ LOOPS 1 & 2 ISO VLV	
Project: Callaway SWEL	
Location (Bldg, Elev, Room/Area): AUX, 2000.00 ft, 1323	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other continuous continuous.	s of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
<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>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: EJHV8809A	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: RHR TO ACCUM INJ LOOPS 1 & 2 ISO VLV	3500
Interaction Effects  Are post torrests from impost by poorby againment or structures?	Van
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
Flex conduit.	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Evaluated by:  Apostolos Karavoussianis Date: 11	/16/2012
Samer El-Bahey 11	/16/2012

Status: Y

N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: EJHV8809A

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: RHR TO ACCUM INJ LOOPS 1 & 2 ISO VLV



EJHV8809A0331



EJHV8809A0333



EJHV8809A0332



EJHV8809A0334

Stat	us: Y N U			
Seismic Walkdown Checklist (SWC)				
Equipment ID No.: EKJ03A				
Equipment Class: (21) Tanks and Heat Exchangers				
Equipment Description: INTERCOOLER HEAT EXCHANGER				
Project: Callaway SWEL				
Location (Bldg, Elev, Room/Area): DGB, 2000.00 ft, 5203				
Manufacturer/Model:				
Instructions for Completing Checklist				
This checklist may be used to document the results of the Seismic Walkdown of an item of equipm SWEL. The space below each of the following questions may be used to record the results of jud findings. Additional space is provided at the end of this checklist for documenting other comments.	gments and			
Anchorage				
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	Yes			
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes			
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes			
<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> <li>OK per C-2C5111, A2325, M-2G051, C-2020, and C-2033.</li> </ol>	Yes			
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes			

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	EKJ03A	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	INTERCOOLER HEAT EXCHANGER	
B		
Interaction Effects		
<ol><li>Are soft targets free fro</li></ol>	m impact by nearby equipment or structures?	Yes
masonry block walls no	nt, distribution systems, ceiling tiles and lighting, and of likely to collapse onto the equipment? ead emergency light with battery.	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
	sismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		
	d found no adverse seismic conditions that could fety functions of the equipment?	Yes
<u>Comments</u>		
Evaluated by:  A. Lander & Grand & Gra	Apostolos Karavoussianis Date:  Samer El-Bahey	11/16/2012

Status: Y

N U

## Seismic Walkdown Checklist (SWC)

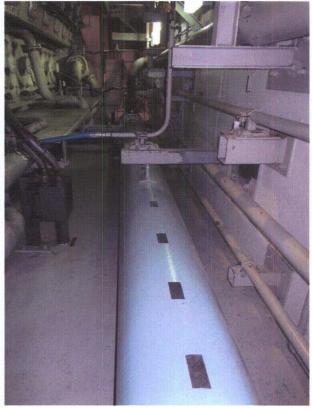
Equipment ID No.: EKJ03A

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: INTERCOOLER HEAT EXCHANGER



EKJ03A0189



EKJ03A0190

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: EKJ03A

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: INTERCOOLER HEAT EXCHANGER





EKJ03A0193





EKJ03A0194



EKJ03A0195

Seismic Walkdown Checklist (SWC)	tatus: Y N U
Equipment ID No.: EKJ04A	
Equipment Class: (21) Tanks and Heat Exchangers	THE STATE COMMENTS OF THE STATE STAT
Equipment Description: LUBE OIL COOLER	
Project: Callaway SWEL	
Location (Bldg, Elev, Room/Area): DGB, 2000.00 ft, 5203	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equi SWEL. The space below each of the following questions may be used to record the results of judings. Additional space is provided at the end of this checklist for documenting other comme	udgments and
Anchorage	oolijajoo toja jiroolija olijajo tooloji olii olijajo ammaj
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	No
Is the anchorage free of bent, broken, missing or loose hardware?      Mounted on Diesel skid (welded).	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
<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>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

		Status: Y N U	
Seismic Walkdown Checklist (SWC)			
Equipment ID No.:	EKJ04A		
Equipment Class:	(21) Tanks and Heat Exchangers		
Equipment Description:	LUBE OIL COOLER		
Interaction Effects		antoness, franco Erlin Erbotona, John Soft a seefre ommunitationense.	
<ol><li>Are soft targets free from the free from the free from the free from the free free from the free free from the free free free free free free free fr</li></ol>	om impact by nearby equipment or structures?	Yes	
One support is notche	ed to avoid contact with heat exchanger.		
	ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes	
9. Do attached lines have	adequate flexibility to avoid damage?	Yes	
	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes	
Other Adverse Conditions			
	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes	
Comments		ALL TARREST THE ANY WORLD	
1 /			
Evaluated by:	Apostolos Karavoussianis Date:	11/16/2012	
Samer &	Bot		
	Samer El-Bahey	11/16/2012	

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: EKJ04A

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: LUBE OIL COOLER



EKJ04A0157



EKJ04A0159



EKJ04A0158



EKJ04A0160

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:		
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	DIESEL JACKET WATER HEAT EXCHANGER	
Proje	ect: Callaway SWEL	
Location (Bldg, Elev, Room/Are	ea): DGB, 2000.00 ft, 5203	
Manufacturer/Mod	del:	
Instructions for Completing (	Checklist	. lar
SWEL. The space below each	document the results of the Seismic Walkdown of an item of of the following questions may be used to record the results rovided at the end of this checklist for documenting other cor	of judgments and
Anchorage		
<ol> <li>Is anchorage configura of SWEL items requirir</li> </ol>	ation verification required (i.e., is the item one of the 50% ng such verification)?	No
	of bent, broken, missing or loose hardware?  less than flush, no concern.	Yes
3. Is the anchorage free of	of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of	of visible cracks in the concrete near the anchors?	Not Applicable
	guration consistent with plant documentation? (Note: lies if the item is one of the 50% for which an anchorage on is required.)	Not Applicable
Based on the above ar potentially adverse seis	nchorage evaluations, is the anchorage free of smic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: EKJ06A	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: DIESEL JACKET WATER HEAT EXCHANGER	<del></del>
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Up against a support leg but it is very rigid to move, not a seismic concern.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Evaluated by:  A lawrauminin Apostolos Karavoussianis Date: 1	1/16/2012
Samer El-Bahey 1	1/16/2012

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: EKJ06A

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: DIESEL JACKET WATER HEAT EXCHANGER



EKJ06A0152



EKJ06A0154



EKJ06A0153



EKJ06A0155

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: EKJ06A

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: DIESEL JACKET WATER HEAT EXCHANGER



EKJ06A0156

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: EMFT917A	
Equipment Class: (18) Instruments on Racks	100 Telephone
Equipment Description: CCP A TO BIT FLOW TRANSMITTER	
Project: Callaway SWEL	
Location (Bldg, Elev, Room/Area): AUX, 1974.00 ft, 1126	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of e SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other com-	of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
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.) Transmitter is mounted to a tube stanchion by 4 bolts and the stanchion is anchored to the concrete wall via the standard 3/8" bolting. OK per J-27D01, J-27G22, and J-27G02.	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seism	Status: Y N U			
	Equipment ID No.:	EMFT917A		
	Equipment Class:	(18) Instruments on Racks		
	Equipment Description:	CCP A TO BIT FLOW TRANSMITTER		
-	ction Effects			
7.	Are soft targets free fro	om impact by nearby equipment or structures?	Yes	
	Nearby pipe with ade	quate gap.		
8.	8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Overhead emergency light is adequately anchored to wall.			
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes	
	Flex conduit and tubing attached to some mounting structure.			
10.		eismic interaction evaluations, is equipment free of smic interaction effects?	Yes	
Other	Adverse Conditions			
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?				
Comments				
Evaluated by:  Apostolos Karavoussianis  Date: 11/16/2012				
	James 4		16/2012	

Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: EMFT917A

Equipment Class: (18) Instruments on Racks

Equipment Description: CCP A TO BIT FLOW TRANSMITTER



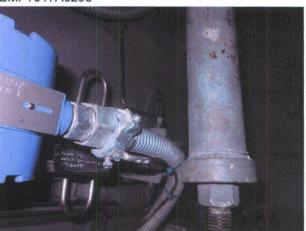
EMFT917A0297



EMFT917A0298



EMFT917A0299



EMFT917A0300

Status: Seismic Walkdown Checklist (SWC) Equipment ID No.: EMHV8814A Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves Equipment Description: SI PUMP A RETURN TO RWST ISO VLV Project: Callaway SWEL Location (Bldg, Elev, Room/Area): AUX, 1974.00 ft, 1113 Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% No of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable 4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable 5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	EMHV8814A	
	(8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description:	SI PUMP A RETURN TO RWST ISO VLV	
		ARTER BERKELLER STEELEN VERSELLER VERSELLER STEELE VERSELLER VERSELLER VERSELLER VERSELLER VERSELLER VERSELLER
Interaction Effects		
7. Are soft targets free fro	m impact by nearby equipment or structures?	Yes
	nt, distribution systems, ceiling tiles and lighting, and it likely to collapse onto the equipment?	Yes
Do attached lines have	adequate flexibility to avoid damage?	Yes
	ismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for an	d found no adverse seismic conditions that could ety functions of the equipment?	Yes
Comments		
Comments		
Evaluated by:  A. Landing	Boh	/16/2012
1	Samer El-Bahey 11	/16/2012

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: EMHV8814A

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: SI PUMP A RETURN TO RWST ISO VLV



EMHV8814A0274



EMHV8814A0275

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## Seismic Walkdown Checklist (SWC)

Equipment ID No.: EMHV8814A

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: SI PUMP A RETURN TO RWST ISO VLV



EMHV8814A0276

Status: Seismic Walkdown Checklist (SWC) Equipment ID No.: EMHV8923A Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves Equipment Description: SAFETY INJECTION PUMP A SUCT ISO VALVE Project: Callaway SWEL Location (Bldg, Elev, Room/Area): AUX, 1974.00 ft, 1113 Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% No of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable 4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable 5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

Seismic Walkdown Checklist	Status: Y N U			
Equipment ID No.:	EMHV8923A			
95	(8) Motor-Operated and Solenoid-Operated Valves			
Equipment Description:	SAFETY INJECTION PUMP A SUCT ISO VALVE			
Interaction Effects				
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes		
	ent, distribution systems, ceiling tiles and lighting, and of likely to collapse onto the equipment?	Yes		
9. Do attached lines have	adequate flexibility to avoid damage?	Yes		
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?				
Other Adverse Conditions				
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?				
Comments				
Evaluated by:  A. Law	Apostolos Karavoussianis  Bate: Samer El-Bahey	11/16/2012		

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: EMHV8923A

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: SAFETY INJECTION PUMP A SUCT ISO VALVE



EMHV8923A0277



EMHV8923A0278

Seismic Walkdown Checklist (SWC)

Equipment ID No.: EMHV8923A

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: SAFETY INJECTION PUMP A SUCT ISO VALVE



EMHV8923A0279

		Status: Y N U
Seismic Walkdown Checklist	(SWC)	· · · Names
Equipment ID No.:	FEF02A	
Equipment Class:	(0) Other	
Equipment Description:	ESW SELF-CLEANING STRAINER (MTR OPIN MOV PRO	OG.)
Proje	ct: Callaway SWEL	
Location (Bldg, Elev, Room/Are	a): ESW, 2000.00 ft, U104	
Manufacturer/Mod	el:	, 1860 (1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970 - 1970
Instructions for Completing C	hecklist	
SWEL. The space below each	ocument the results of the Seismic Walkdown of an item of e of the following questions may be used to record the results ovided at the end of this checklist for documenting other com	of judgments and
 Anchorage		
<ol> <li>Is anchorage configurated of SWEL items requiring</li> </ol>	ion verification required (i.e., is the item one of the 50% g such verification)?	Yes
2. Is the anchorage free of	f bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of	f corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free or	f visible cracks in the concrete near the anchors?	Yes
		Yes
Based on the above and potentially adverse seis	chorage evaluations, is the anchorage free of	Yes

Saismia Walledown Chaoldiat	(SWC)	Status: Y N U			
Seismic Walkdown Checklist (SWC)					
Equipment ID No.:					
Equipment Class:					
Equipment Description:	ESW SELF-CLEANING STRAINER (MTR OPIN MOV PR	OG.)			
Interaction Effects					
7. Are soft targets free from	om impact by nearby equipment or structures?	Yes			
Fan above is well sup	ported on cantilevered W-Section to wall.				
masonry block walls no Light above has two	ent, distribution systems, ceiling tiles and lighting, and obt likely to collapse onto the equipment?  Screws that are not engaged property, not a seismic and enter in a system. CAR 201206498 and Job	Yes			
12004809 are initiated					
<ol><li>Do attached lines have</li></ol>	adequate flexibility to avoid damage?	Yes			
	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes			
Other Adverse Conditions					
	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes			
Comments					
A 7					
Evaluated by:	Apostolos Karavoussianis Date: 11	1/16/2012			
	Samer El-Bahey 11	1/16/2012			

Status: \

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## Seismic Walkdown Checklist (SWC)

Equipment ID No.: FEF02A

Equipment Class: (0) Other

Equipment Description: ESW SELF-CLEANING STRAINER (MTR OP.-IN MOV PROG.)



FEF02A0097



FEF02A0099



FEF02A0098



FEF02A0100

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## Seismic Walkdown Checklist (SWC)

Equipment ID No.: FEF02A

Equipment Class: (0) Other

Equipment Description: ESW SELF-CLEANING STRAINER (MTR OP.-IN MOV PROG.)





FEF02A0102

FEF02A0101

		Status: Y N U
Seismic Walkdown Checklist	(SWC)	otatus. 1 N O
Equipment ID No.:	GMD0001	
Equipment Class:	(0) Other	
Equipment Description:	DG VENT SPLY FAN A SUCT OUT AIR BACKDRAFT DI	MPR
Proje	ect: Callaway SWEL	
Location (Bldg, Elev, Room/Are	ea): DGB, 2000.00 ft, 5203	
Manufacturer/Mod	lel:	
Instructions for Completing C	hecklist	
SWEL. The space below each	ocument the results of the Seismic Walkdown of an item of of the following questions may be used to record the result ovided at the end of this checklist for documenting other co	s of judgments and
<u>Anchorage</u>	8	alii ali — a annii — caliiniina — a annicaliiniin
<ol> <li>Is anchorage configura of SWEL items requirin</li> </ol>	tion verification required (i.e., is the item one of the 50% g such verification)?	No
2. Is the anchorage free o	f bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of	f corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of	f visible cracks in the concrete near the anchors?	Not Applicable
	guration consistent with plant documentation? (Note: ies if the item is one of the 50% for which an anchorage in is required.)	Not Applicable
Based on the above an potentially adverse seis	chorage evaluations, is the anchorage free of smic conditions?	Yes

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: GMD0001	
Equipment Class: (0) Other	
Equipment Description: DG VENT SPLY FAN A SUCT OUT AIR BACKDRAFT DN	/IPR
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Are overhead equipment, distribution systems, ceiling tiles and lighting, and	Yes
masonry block walls not likely to collapse onto the equipment?	100
9. Do attached lines have adequate flexibility to avoid damage?	Yes
	ar E <sup>rr</sup> en
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
potentially develor determs interaction energy	
Other Advance Conditions	
Other Adverse Conditions  11. Have you looked for and found no adverse seismic conditions that could	Yes
adversely affect the safety functions of the equipment?	103
Comments	<u>a. tokumu n. tiga. akku . ti maana fiir t garjat</u> Bi
	er
A la maria	
Evaluated by: Apostolos Karavoussianis Date: 1	1/16/2012
Samer ElBox	
Samer El-Bahey 1	1/16/2012

N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: GMD0001

Equipment Class: (0) Other

Equipment Description: DG VENT SPLY FAN A SUCT OUT AIR BACKDRAFT DMPR



DSCN0131



**DSCN0133** 



DSCN0132



DSCN0134

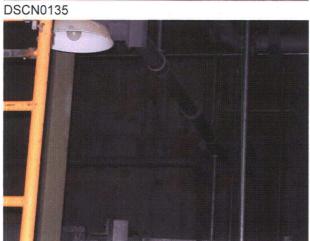
# Seismic Walkdown Checklist (SWC)

Equipment ID No.: GMD0001

Equipment Class: (0) Other

Equipment Description: DG VENT SPLY FAN A SUCT OUT AIR BACKDRAFT DMPR





**DSCN0137** 



DSCN0136



**DSCN0138** 

Status:

Y

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: GMD0001

Equipment Class: (0) Other

Equipment Description: DG VENT SPLY FAN A SUCT OUT AIR BACKDRAFT DMPR



**DSCN0139** 

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: GMTE001	
Equipment Class: (19) Temperature Sensors	ana
Equipment Description: DIESEL GEN VENT SUPPLY FAN 1A	
Project: Callaway SWEL	
Location (Bldg, Elev, Room/Area): DGB, 2000.00 ft, 5203	
Manufacturer/Model:	<del>-1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070</del>
Instructions for Completing Checklist  This checklist may be used to document the results of the Seismic Walkdown of an item of e SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other complete.	of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
<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.)         Bolted to P1000 type unistrut with 3/8" unistrut bolts. OK per J-04GM99 and J-558B-00008.     </li> </ol>	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

			Status:	Y N U
Seism	ic Walkdown Checklist	(SWC)		
	Equipment ID No.:	GMTE001		
	Equipment Class:	(19) Temperature Sensors		
	Equipment Description:	DIESEL GEN VENT SUPPLY FAN 1A		
lada aa	ation Effects			
	ction Effects  Are soft targets free fro	m impact by nearby equipment or structures?		Yes
	3/8" gap to wall, supp	orted well to unistrut, no issue.		
8.		nt, distribution systems, ceiling tiles and lighting, and tilkely to collapse onto the equipment?		Yes
9.	Do attached lines have	adequate flexibility to avoid damage?		Yes
10.		ismic interaction evaluations, is equipment free of mic interaction effects?		Yes
:::			#s.	#1 ::
Other	Adverse Conditions			
11.	The state of the s	d found no adverse seismic conditions that could ety functions of the equipment?		Yes
	18 - 45			
Comm	nents			
Evalua	ated by:  A. Lan	Apostolos Karavoussianis Date:	11/16/2012	
	Samer &	Bot		
		Samer El-Bahey	11/16/2012	

### Seismic Walkdown Checklist (SWC)

Equipment ID No.: GMTE001

Equipment Class: (19) Temperature Sensors

Equipment Description: DIESEL GEN VENT SUPPLY FAN 1A



GMTE0010161



GMTE0010163



GMTE0010162

Seismic Walkdown Checklist (SWC)	N U
Equipment ID No.: GMTZ001B	
Equipment Class: (0) Other	
Equipment Description: ACT FOR DG VENT SUPPLY FAN DAMPER GMD0007	Tig .
Project: Callaway SWEL	
Location (Bldg, Elev, Room/Area): DGB, 2060.00 ft, 5203	
Manufacturer/Model:	19 10 10 10 10 10 10 10 10 10 10 10 10 10
Instructions for Completing Checklist	138 13
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment or SWEL. The space below each of the following questions may be used to record the results of judgments findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
Is the anchorage free of visible cracks in the concrete near the anchors?  Not Ap	plicable
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note:         Not Ap         This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)     </li> </ol>	plicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Saism	nic Walkdown Checklist	(SWC)			Status: [	Y N U
Jeisiii	Equipment ID No.:					
	Equipment Class:					
	Equipment Description:	ACT FOR DG VENT	SUPPLY FAN DAM	PER GMD0007		
					191	
Intera	ction Effects					
1.00	Are soft targets free fro	om impact by nearby e	quipment or structure	s?		Yes
	Nearby scaffold is we. Flex conduit connect is judged not a concern.			on damper,		
8.	Are overhead equipme masonry block walls no			hting, and		Yes
9.	Do attached lines have	adequate flexibility to	avoid damage?			Yes
10.	Based on the above se potentially adverse seis			free of		Yes
Other	Adverse Conditions	підаган улай — Анкулема — <mark>С</mark> уманні Гульна почава (уч. 1971) 180 — — — — — — — — — — — — — — — — — — —				
11.	Have you looked for an adversely affect the safe			could		Yes
Comm	<u>nents</u>					
Evalua	ated by:  A. Kar	ovanimi A	postolos Karavoussia	ınis Date:	11/16/2012	
	Samer 8	Samer E	I-Bahey		11/16/2012	

### Seismic Walkdown Checklist (SWC)

Equipment ID No.: GMTZ001B

Equipment Class: (0) Other

Equipment Description: ACT FOR DG VENT SUPPLY FAN DAMPER GMD0007



GMTZ001B0216



GMTZ001B0217



GMTZ001B0218



GMTZ001B0219

### Seismic Walkdown Checklist (SWC)

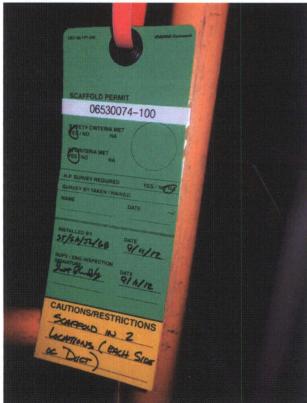
Equipment ID No.: GMTZ001B

Equipment Class: (0) Other

Equipment Description: ACT FOR DG VENT SUPPLY FAN DAMPER GMD0007



GMTZ001B0220





GMTZ001B0221



GMTZ001B0223

GMTZ001B0222

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: GMTZ001B

Equipment Class: (0) Other

Equipment Description: ACT FOR DG VENT SUPPLY FAN DAMPER GMD0007





GMTZ001B0224 GMTZ001B0225

Status: Y N U Seismic Walkdown Checklist (SWC)	J
Equipment ID No.: GNPT935	
Equipment Class: (18) Instruments on Racks	-
Equipment Description: CONTAINMENT ATMOSPHERE	
Project: Callaway SWEL	
Location (Bldg, Elev, Room/Area): AUX, 2026.00 ft, 1410	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	5980
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	
Is the anchorage free of bent, broken, missing or loose hardware?  Yes	
Is the anchorage free of corrosion that is more than mild surface oxidation?  Yes	
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Yes	å rei
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note:         Not Applicable         This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)     </li> </ol>	
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	

Seismi	ic Walkdown Checklist	(SWC)		Status: Y	] N U
	Equipment ID No.:	GNPT935			
	Equipment Class:	(18) Instruments on Racks			
	Equipment Description:	CONTAINMENT ATMOSPHERE			
***************************************	ction Effects				
7.	Are soft targets free fro	m impact by nearby equipment or structures?			Yes
8.		nt, distribution systems, ceiling tiles and lighting, a t likely to collapse onto the equipment?	and		Yes
9.	Do attached lines have	adequate flexibility to avoid damage?			Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?			Yes		
Other .	Adverse Conditions				
11.		d found no adverse seismic conditions that could ety functions of the equipment?			Yes
Comm	ents		3		
<u>John H</u>					
Evalua	ted by:  A. Kar  Samar &	Apostolos Karavoussianis	Date:	11/16/2012	
		Samer El-Bahey		11/16/2012	

### Seismic Walkdown Checklist (SWC)

Equipment ID No.: GNPT935

Equipment Class: (18) Instruments on Racks

Equipment Description: CONTAINMENT ATMOSPHERE



GNPT9350398



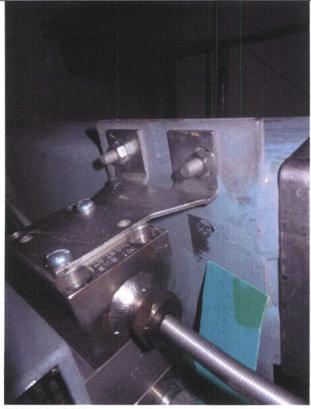
GNPT9350399

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: GNPT935

Equipment Class: (18) Instruments on Racks

Equipment Description: CONTAINMENT ATMOSPHERE



GNPT9350400

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: GSHV0021	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: H2 PURGE OUTER CTMT ISO BUTT VLV	
Project: Callaway SWEL	
Location (Bldg, Elev, Room/Area): AUX, 2000.00 ft, 1322	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of eq SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other common the common space.	f judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
<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>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: GSHV0021	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: H2 PURGE OUTER CTMT ISO BUTT VLV	
Interaction Effects	· ·
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Evaluated by:  A Lawrauminin Apostolos Karavoussianis Date:  Samer El-Bahey	11/16/2012

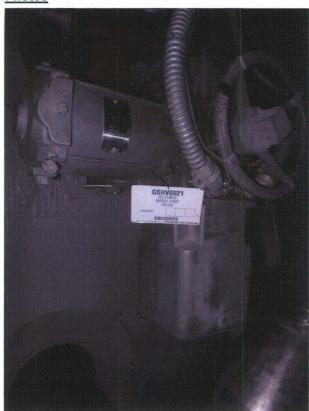
## Seismic Walkdown Checklist (SWC)

Equipment ID No.: GSHV0021

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: H2 PURGE OUTER CTMT ISO BUTT VLV

#### **Photos**





GSHV00210509

GSHV00210508

N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: GSHV0021

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

H2 PURGE OUTER CTMT ISO BUTT VLV Equipment Description:



GSHV00210510

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: JELT0001	
Equipment Class: (0) Other	
Equipment Description: EMERG F/O DAY TK A LEV XMTR	
Project: Callaway SWEL	
Location (Bldg, Elev, Room/Area): DGB, 2000.00 ft, 5203	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of ed SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comments.	of judgments and
Anchorage	
1. Is anchorage configuration verification required (i.e., is the item one of the 50%	Yes
of SWEL items requiring such verification)?	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
2. Is the anchorage nee of bent, broken, missing of loose hardware?	res
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
	Trott ipplicable
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note:</li> <li>This question only applies if the item is one of the 50% for which an anchorage</li> </ol>	Yes
configuration verification is required.)	
Mounting structure verified against DWB, J-27G01 XMTR anchor to mounting	
structure. Per DWGs J-07G16 and J-07P05, anchorage is consistent with plant documentation.	
6. Based on the above anchorage evaluations, is the anchorage free of	Yes
potentially adverse seismic conditions?	

		Status: Y	] N U
Seismic Walkdown Checklist (SWC)			
Equipment ID No.:	JELT0001		
Equipment Class:	(0) Other		
Equipment Description:	EMERG F/O DAY TK A LEV XMTR		
Interaction Effects	- T		
<ol><li>Are soft targets free from</li></ol>	m impact by nearby equipment or structures?		Yes
approximately 40" high and self weight. The ful using the equation fn=( I=48.3 in^4, m= (30lbs- spectral acceleration of	nt structure (TS 6 x 6 x ½) and unistrut, bracket is with approximately 30lbs on Edge of mount structure indamental Frequency of the mount was calculated (1/2*pi)*SQRT(3EI/mL^3)=65 Hz, where L=40" and (+42.1lbs*3.33')/386=4.4E-4. This corresponds to a f 0.3g. The Maximum top displacement was then (< 1/2" No adverse condition exists.		
8. Are overhead equipme	nt, distribution systems, ceiling tiles and lighting, and of likely to collapse onto the equipment?		Yes
9. Do attached lines have	adequate flexibility to avoid damage?		Yes
	ismic interaction evaluations, is equipment free of smic interaction effects?		Yes
Other Adverse Conditions			
an and a section of the section of t	d found no adverse seismic conditions that could fety functions of the equipment?		Yes
Comments			
Evaluated by:	Apostolos Karavoussianis Date: 11/	16/2012	

N

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: JELT0001

Equipment Class: (0) Other

Equipment Description: EMERG F/O DAY TK A LEV XMTR

Samer ElBat

Samer El-Bahey

11/16/2012



JELT00010164



JELT00010165

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: JELT0001

Equipment Class: (0) Other

Equipment Description: EMERG F/O DAY TK A LEV XMTR



JELT00010166



JELT00010167



JELT00010168

	Status: Y	N II
Seismic Walkdown Checklist (SWC)	Status. 1	N LO
Equipment ID No.: KJ121		
Equipment Class: (20) Instrumentation and Control Panels and Cabinets		
Equipment Description: GAUGE PANEL		
Project: Callaway SWEL		
Location (Bldg, Elev, Room/Area): DGB, 2000.00 ft, 5203		
Manufacturer/Model:		
Instructions for Completing Checklist		
This checklist may be used to document the results of the Seismic Walkdown of an item of e SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other com	of judgments	
Anchorage		
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>		No
2. Is the anchorage free of bent, broken, missing or loose hardware?		Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?		Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?		Yes
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)  Front weld is visually verified as continuous ¼" weld.  Back weld is verified by hand inspection (at least 4" in).	Not Ap	plicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?		Yes

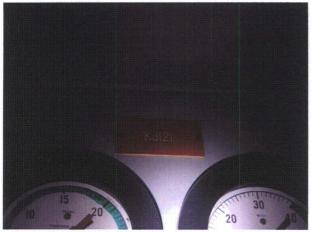
		Status: Y N U
Seismic Walkdown Checklist	t (SWC)	
Equipment ID No.:	KJ121	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	GAUGE PANEL	
Interaction Effects		
7. Are soft targets free from	om impact by nearby equipment or structures?	Yes
The state of the s	e 1-1/8" away, no concern. d 2" behind cabinet, no concern.	
	ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment? supported.	Yes
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes
	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		
Have you looked for an adversely affect the sa Cabinet internals cour	nd found no adverse seismic conditions that could fety functions of the equipment?  Id not be accesses during at-power walkdowns.  Sted during next bus outage.	Unknown
Comments		
Evaluated by:  A. Land	Apostolos Karavoussianis Date:	11/16/2012
	Samer El-Bahey	11/16/2012

### Seismic Walkdown Checklist (SWC)

Equipment ID No.: KJ121

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

Equipment Description: GAUGE PANEL



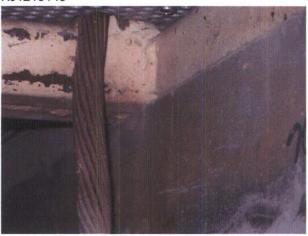




KJ1210145



KJ1210143



KJ1210146

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: KJ121

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

Equipment Description: GAUGE PANEL



KJ1210147



KJ1210149



KJ1210148



KJ1210150

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: KJ121

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

Equipment Description: GAUGE PANEL



KJ1210151

	Status: Y N U
Seismic Walkdown Checklist (SWC)	oldido. [1] IV o
Equipment ID No.: KKJ01A	
Equipment Class: (17) Engine-Generators	
Equipment Description: STANDBY DIESEL (GENERATOR)	
Project: Callaway SWEL	
Location (Bldg, Elev, Room/Area): DGB, 2000.00 ft, 5203	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other cord	of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	Yes
of SVVEL items requiring such vernication)?	
<ol><li>Is the anchorage free of bent, broken, missing or loose hardware?</li></ol>	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
5. Is the anchorage configuration consistent with plant documentation? (Note:	Yes
This question only applies if the item is one of the 50% for which an anchorage	163
configuration verification is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of	Yes
potentially adverse seismic conditions?	

	Status: Y N U	١
Seismic Walkdown Checklist (SWC)		
Equipment ID No.: KKJ01A	1	_
Equipment Class: (17) Engine-Generators		
Equipment Description: STANDBY DIESEL (GENERATOR)		
OK per C-2C5111, A2325, M-2G051.		
Interaction Effects		-
7. Are soft targets free from impact by nearby equipment or structures?	Yes	
	vi.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes	
massiny block mails het mery to conapes onto the equipment.		
O Do ottochod lines have adequate flexibility to avoid demand?	Voe	
9. Do attached lines have adequate flexibility to avoid damage?	Yes	
10. Based on the above seismic interaction evaluations, is equipment free of	Yes	
potentially adverse seismic interaction effects?		
Other Adverse Conditions		
11. Have you looked for and found no adverse seismic conditions that could	Yes	
adversely affect the safety functions of the equipment?		
Comments		
1 / ` ` `		
Evaluated by: Apostolos Karavoussianis Date:	11/16/2012	
Same G/Rh		-
Samer El-Bahey	11/16/2012	_

### Seismic Walkdown Checklist (SWC)

Equipment ID No.: KKJ01A

Equipment Class: (17) Engine-Generators

Equipment Description: STANDBY DIESEL (GENERATOR)



KKJ01A0170



KKJ01A0172



KKJ01A0171

	tatus: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: NE01	
Equipment Class: (17) Engine-Generators	
Equipment Description: STANDBY #1	: Product of House of House
Project: Callaway SWEL	
Location (Bldg, Elev, Room/Area): DGB, 2000.00 ft, 5203	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equ SWEL. The space below each of the following questions may be used to record the results of j findings. Additional space is provided at the end of this checklist for documenting other comme	judgments and
<u>Anchorage</u>	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	No
One of the bolts is missing its jam nut. CAR 201206500 and Job 12004790 are initiated. 1-1/2" bolts ok 7-1/2" proj ok.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
<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.)         OK per C-2C5111, A2325, M-2G051, Equipment is missing a jam nut.     </li> </ol>	No
6. Based on the above anchorage evaluations, is the anchorage free of	No
potentially adverse seismic conditions?	INO

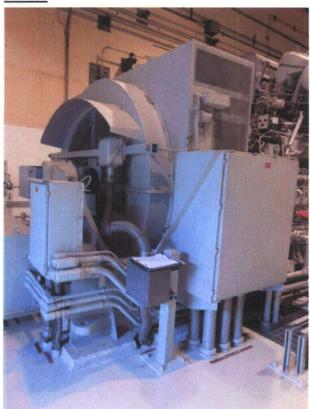
	Status:	Y N II
Seismic Walkdown Checklist (SWC)	Otatas.	
Equipment ID No.: NE01		
Equipment Class: (17) Engine-Generators		
Equipment Description: STANDBY #1		T.
Interaction Effects		
Interaction Effects  7. Are soft targets free from impact by nearby equipment or structures?		Yes
1/2" gap between equipment and flex tube. all on one skid judged ok.		
"2 gap between equipment and next tabe, an en ene enta juaged en		
Are overhead equipment, distribution systems, ceiling tiles and lighting, and		Yes
masonry block walls not likely to collapse onto the equipment?		103
9. Do attached lines have adequate flexibility to avoid damage?		Yes
10. Based on the above seismic interaction evaluations, is equipment free of		Yes
potentially adverse seismic interaction effects?		
Other Adverse Conditions		
Have you looked for and found no adverse seismic conditions that could		Yes
adversely affect the safety functions of the equipment?		
Comments		
A 6		
Evaluated by: Apostolos Karavoussianis Date:	11/16/2012	
Samer Elpa		
Samer El-Bahey	11/16/2012	178/19 

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: NE01

Equipment Class: (17) Engine-Generators

Equipment Description: STANDBY #1





NE010176





NE010177



NE010178

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: NE01

Equipment Class: (17) Engine-Generators

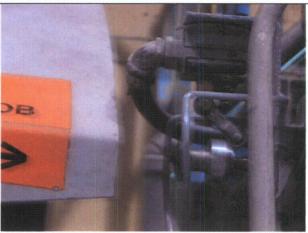
Equipment Description: STANDBY #1



NE010179



NE010181



NE010180

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: NF039A Equipment Class: (20) Instrumentation and Control Panels and Cabinets Equipment Description: CONT SHED/SEQ CH 1 LOGIC Project: Callaway SWEL Location (Bldg, Elev, Room/Area): CB, 2047.50 ft, 3605 Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% Yes of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Unknown Anchorage is not visible. 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Unknown Anchorage is not visible. Unknown 4. Is the anchorage free of visible cracks in the concrete near the anchors? Anchorage is not visible. 5. Is the anchorage configuration consistent with plant documentation? (Note: Unknown This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Per J-24001, C-2C3611, C-2008 Det. 5, cabinet is welded front and back to embedded plates. Floor is covered by tiles and cabinet front has a plastic base board. Hence, anchorage is not visible. Job 12004987 was created to remove the tiles to attempt to inspect the anchorage configuration. 6. Based on the above anchorage evaluations, is the anchorage free of Unknown potentially adverse seismic conditions?

		Status:	
Seismi	ic Walkdown Checklist	(SWC)	
	Equipment ID No.:	NF039A	
	Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
	Equipment Description:	CONT SHED/SEQ CH 1 LOGIC	
Interac	ction Effects		
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
	Adjacent cabinet bolte	ed together.	
8.	masonry block walls no	nt, distribution systems, ceiling tiles and lighting, and of likely to collapse onto the equipment?	No
	Ореп 5-поок пеагру.	CAR 201206436 and Job 12004790 were initiated.	
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
9.	Based on the above se	adequate flexibility to avoid damage?  ismic interaction evaluations, is equipment free of smic interaction effects?	± 7 ₹
	Based on the above se	ismic interaction evaluations, is equipment free of	± 7 ₹
	Based on the above se	ismic interaction evaluations, is equipment free of	± (1 € 1 € 1 € 1 € 1 € 1 € 1 € 1 € 1 € 1
10.	Based on the above se	ismic interaction evaluations, is equipment free of	Yes
10.	Based on the above se potentially adverse seis  Adverse Conditions  Have you looked for an	ismic interaction evaluations, is equipment free of	# (T) T
10.	Based on the above se potentially adverse seis  Adverse Conditions  Have you looked for an	ismic interaction evaluations, is equipment free of smic interaction effects?	No
10.	Based on the above se potentially adverse seis  Adverse Conditions  Have you looked for an adversely affect the safe	ismic interaction evaluations, is equipment free of smic interaction effects?	No
10.  Other 1  11.	Based on the above se potentially adverse seis  Adverse Conditions  Have you looked for an adversely affect the safe	d found no adverse seismic conditions that could fety functions of the equipment?	Yes
10.  Other 1  11.	Based on the above se potentially adverse seis  Adverse Conditions  Have you looked for an adversely affect the safe	ismic interaction evaluations, is equipment free of smic interaction effects?	Yes
10.  Other 1  11.	Based on the above se potentially adverse seis  Adverse Conditions  Have you looked for an adversely affect the safe	d found no adverse seismic conditions that could fety functions of the equipment?	Yes

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: NF039A

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

Equipment Description: CONT SHED/SEQ CH 1 LOGIC



NF039A0001



NF039A0002



NF039A0003



NF039A0006

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: NF039A

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

Equipment Description: CONT SHED/SEQ CH 1 LOGIC



NF039A0007



NF039A0008

NF039A0009

Status:	Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: NG02A	
Equipment Class: (1) Motor Control Centers	
Equipment Description: 480 VAC	
Project: Callaway SWEL	<u> </u>
Location (Bldg, Elev, Room/Area): CB, 2000.00 ft, 3302	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment of SWEL. The space below each of the following questions may be used to record the results of judgmen findings. Additional space is provided at the end of this checklist for documenting other comments.	
<u>Anchorage</u>	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
<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> <li>OK per DWG's (E-018-0043 and E-018-00624742).</li> </ol>	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: NG02A	
Equipment Class: (1) Motor Control Centers	
Equipment Description: 480 VAC	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Block wall. DWG A-2325 shows seismic category II/I CMUs within the whole elevation.	Yes
Drain Pipe with Victaulic coupling (LEV0719) well supported, ok.	
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Cabinet internals could not be accesses during at-power walkdowns. Internals will be inspected during next bus outage.	Unknown
Comments	
	PROMINES HORE, COS OFFICIO AND MINISTERNAL MAN
Evaluated by:  Apostolos Karavoussianis  Date:	11/16/2012
Samer El-Bahey	11/16/2012

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: NG02A

Equipment Class: (1) Motor Control Centers

Equipment Description: 480 VAC



NG02A0533



NG02A0535



NG02A0534



NG02A0536

	Status: Y N U
Seismic Walkdown Checklist (SWC)	**************************************
Equipment ID No.: NG04C	
Equipment Class: (1) Motor Control Centers	
Equipment Description: 480 VAC	The first of the second
Project: Callaway SWEL	
Location (Bldg, Elev, Room/Area): AUX, 2047.50 ft, 1501	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other con	of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	Yes
of GVVEL items requiring such verification):	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	165
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
4. Is the anchorage nee of visible chacks in the concrete near the anchors:	103
5. Is the anchorage configuration consistent with plant documentation? (Note:	Yes
This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	
OK per DWG's (E-018-0043 and E-018-00624742).	
Based on the above anchorage evaluations, is the anchorage free of	Yes
potentially adverse seismic conditions?	165

		Status: Y N U
Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	NG04C	
Equipment Class:	(1) Motor Control Centers	
Equipment Description:	480 VAC	
Interaction Effects	er e	
7. Are soft targets free from	m impact by nearby equipment or structures?	Yes
Top shield proximity to wall.	wall is resolved by IPEEE by adding clip angles to	
	nt, distribution systems, ceiling tiles and lighting, and tilkely to collapse onto the equipment?	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
Based on the above sei potentially adverse seis	smic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for and adversely affect the safe Cabinet internals could	d found no adverse seismic conditions that could ety functions of the equipment? If not be accesses during at-power walkdowns, and during next bus outage.	Unknown
Comments		
Evaluated by:  A. Kan  Somer 9	Apostolos Karavoussianis Date:	Parameter and the second statement of the second se
	Samer El-Bahey	11/16/2012

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: NG04C

Equipment Class: (1) Motor Control Centers

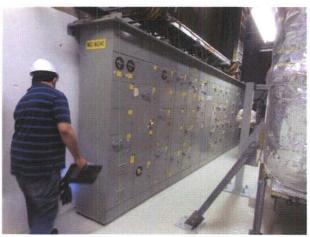
Equipment Description: 480 VAC



NG04C0520



NG04C0522



NG04C0521



NG04C0523

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: NG04C

Equipment Class: (1) Motor Control Centers

Equipment Description: 480 VAC



NG04C0524

Status: Y U Seismic Walkdown Checklist (SWC) Equipment ID No.: NG07 Equipment Class: (2) Low Voltage Switchgear Equipment Description: LC 480 VAC Project: Callaway SWEL Location (Bldg, Elev, Room/Area): UHS, 2000.00 ft, U301 Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. **Anchorage** 1. Is anchorage configuration verification required (i.e., is the item one of the 50% Yes of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Document show bolts, plug weld were visible at multiple locations instead. Per DWG's E-017-00716, Alternative mounting by Plug welds is used from DWG's C-2003, and C-2008. 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

		Ctatus: V	NI TI
Seismic Walkdown Checklist (SWC)		Status: Y	N U
Equipment ID No.: NG07			
Equipment Class: (2) Low V	/oltage Switchgear		
Equipment Description: LC 480 \	/AC		
Interaction Effects			
7. Are soft targets free from impact b	y nearby equipment or structures?		Yes
<ol> <li>Are overhead equipment, distribut masonry block walls not likely to c</li> </ol>	tion systems, ceiling tiles and lighting, and collapse onto the equipment?		Yes
9. Do attached lines have adequate	flexibility to avoid damage?		Yes
10. Based on the above seismic interaction potentially adverse seismic interaction. Transformer beside with open-conference above and well supported.	oils look fine, well anchored.		Yes
Other Adverse Conditions			
11. Have you looked for and found no adversely affect the safety function. Cabinet internals could not be ad Internals will be inspected during in	ns of the equipment? ccesses during at-power walkdowns.	Unl	known
<u>Comments</u>			
Evaluated by:  A. Kannaune  Some affect	Apostolos Karavoussianis Date:	11/16/2012	
- Inspection	Samer El-Bahey	11/16/2012	

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: NG07

Equipment Class: (2) Low Voltage Switchgear

Equipment Description: LC 480 VAC



NG070064



NG070065



NG070066



NG070067

## Seismic Walkdown Checklist (SWC)

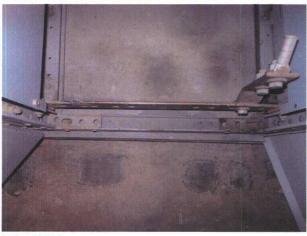
Equipment ID No.: NG07

Equipment Class: (2) Low Voltage Switchgear

Equipment Description: LC 480 VAC



NG070068



NG070070



NG070069



NG070071

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: NG07

Equipment Class: (2) Low Voltage Switchgear

Equipment Description: LC 480 VAC



NG070072





NG070073

NG070074

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: NG07F Equipment Class: (1) Motor Control Centers Equipment Description: MCC 480 VAC Project: Callaway SWEL Location (Bldg, Elev, Room/Area): UHS, 2000.00 ft, U301 Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. **Anchorage** 1. Is anchorage configuration verification required (i.e., is the item one of the 50% Yes of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Bottom of cabinet is welded to embeds at 16" to 18". OK per DWG's (E-018-0043 and E-018-00624742). 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

O alianzila Walladanna Ohaaldiad (OWO)	Status:	Y N U
Seismic Walkdown Checklist (SWC)		
Equipment ID No.: NG07F		
Equipment Class: (1) Motor Control Centers		
Equipment Description: MCC 480 VAC		16
Interaction Effects		
7. Are soft targets free from impact by nearby equipment or structures?		Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Duct work above is well supported.		Yes
9. Do attached lines have adequate flexibility to avoid damage?		Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?		Yes
Other Adverse Conditions		
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?  Cabinet internals could not be accesses during at-power walkdowns.  Internals will be inspected during next bus outage.		Unknown
Comments		
Evaluated by:  A. Kanarausium Apostolos Karavoussianis  Date:  Samer El-Bahey	11/16/2012	

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: NG07F

Equipment Class: (1) Motor Control Centers

Equipment Description: MCC 480 VAC





NG07F0075



NG07F0076



NG07F0077

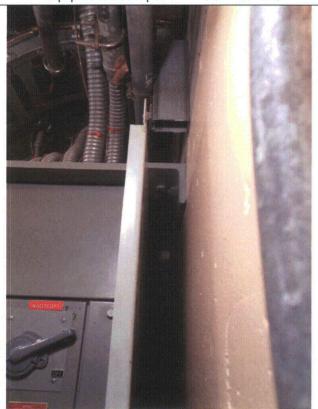
NG07F0078

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: NG07F

Equipment Class: (1) Motor Control Centers

Equipment Description: MCC 480 VAC



NG07F0079



NG07F0081



NG07F0080



NG07F0082

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: NG07F

Equipment Class: (1) Motor Control Centers

Equipment Description: MCC 480 VAC



NG07F0124



NG07F0125



NG07F0126

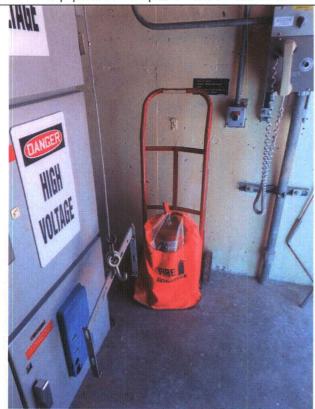
NG07F0127

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: NG07F

Equipment Class: (1) Motor Control Centers

Equipment Description: MCC 480 VAC





NG07F0129

NG07F0128

Stat Seismic Walkdown Checklist (SWC)	us: Y N U		
Equipment ID No.: PBG04			
Equipment Class: (5) Horizontal Pumps			
Equipment Description: NORMAL CHARGING CCP			
Project: Callaway SWEL	## H		
Location (Bldg, Elev, Room/Area): AUX, 1974.00 ft, 1115			
Manufacturer/Model:	11		
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			
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	No		
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes		
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes		
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes		
<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>	Not Applicable		
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes		

Seismic Walkdown Chec	Status: Y	NU
Equipment ID		
Equipment Cla		
Equipment Descript		
Interaction Effects		45
7. Are soft targets fre	ee from impact by nearby equipment or structures?	Yes
	pment, distribution systems, ceiling tiles and lighting, and lls not likely to collapse onto the equipment?	Yes
9. Do attached lines	have adequate flexibility to avoid damage?	Yes
	ve seismic interaction evaluations, is equipment free of e seismic interaction effects?	Yes
Other Adverse Condition	<u>s</u>	
	or and found no adverse seismic conditions that could e safety functions of the equipment?	Yes
Comments		
Evaluated by:	Apostolos Karavoussianis Date: 11/16/2012	
Taniman History	Samer El-Bahey 11/16/2012	

Status: Y

N U

## Seismic Walkdown Checklist (SWC)

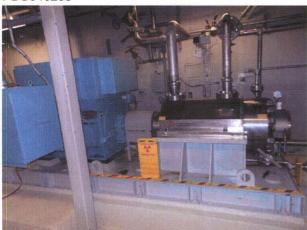
Equipment ID No.: PBG04

Equipment Class: (5) Horizontal Pumps

Equipment Description: NORMAL CHARGING CCP



PBG040263



PBG040265



PBG040264



PBG040266

Status: Y

Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: PBG04

Equipment Class: (5) Horizontal Pumps

Equipment Description: NORMAL CHARGING CCP



PBG040267