.

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1-2308	
Equipment Class: (6) Vertical Pumps	
Equipment Description: UNIT 1 HPCI AUX OIL PUMP	
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 554.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of 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 cor	s of judgments and
 <u>Anchorage</u> 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
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? <i>Mounted to checkered plate.</i>	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
	· ·
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1-2308	
Equipment Class:(6) Vertical Pumps	
Equipment Description: UNIT 1 HPCI AUX OIL PUMP	<u></u>
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
 Do attached lines have adequate flexibility to avoid damage? 	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
<u>Comments</u>	

Seismic Walkdown Team: D. Carter & J. Griffith - 8/23/2012	
Only motor is accessible. Pump is submerged in oil.	
Evaluated by: David Carter Date:	10/4/2012
June D. April James Griffith	10/4/2012

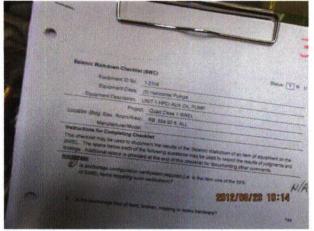
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Status: Y N U

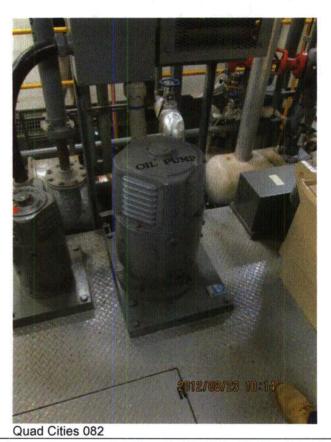
Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-2308
Equipment Class:	(6) Vertical Pumps
Equipment Description:	UNIT 1 HPCI AUX OIL PUMP

Photos



Quad Cities 081



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-2308
Equipment Class:	(6) Vertical Pumps

Equipment Description: UNIT 1 HPCI AUX OIL PUMP



Quad Cities 083



Quad Cities 084

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1-2310	
Equipment Class: (21) Tanks and Heat Exchangers	<u> </u>
Equipment Description: COOLER U-1 HPCI OIL	
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 554.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of 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	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
Supported from brackets from turbine skid via a U-bolt at each end.	
· ·	
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
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
Interaction Effects	····
Are soft targets free from impact by nearby equipment or structures?	Yes

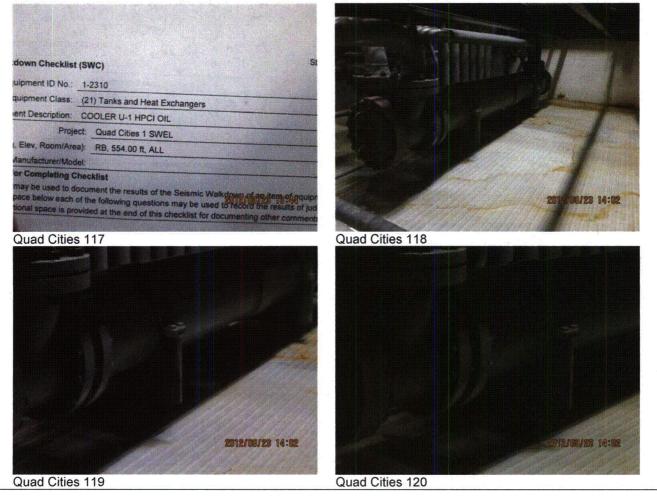
Seismic Walkdow	vn Checklist (SWC)	Status: Y N U
	nent ID No.: 1-2310	
	ment Class: (21) Tanks and Heat Exchangers	·····
	Description: COOLER U-1 HPCI OIL	<u>_</u>
8. Are overhe	ead equipment, distribution systems, ceiling tiles and lighting, and	Yes
masonry b	block walls not likely to collapse onto the equipment?	
9. Do attache	ed lines have adequate flexibility to avoid damage?	Yes
	the above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?	Yes
adversely 1 pipe (a	onditions looked for and found no adverse seismic conditions that could affect the safety functions of the equipment? pproximately 3-inch diameter) contacts grating support. Pipe is udged to be acceptable.	Yes
<u>Comments</u> ***** Seismic Walkdowr	n Team: D. Carter & J. Griffith - 8/23/2012	
Evaluated by:	David Carter Date:	10/4/2012
	James Griffith	10/4/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	1-2310	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	COOLER U-1 HPCI OIL	

Photos

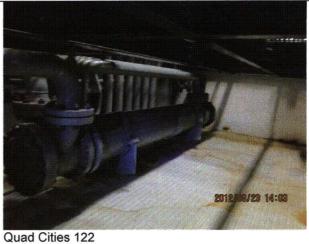


Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-2310
Equipment Class:	(21) Tanks and Heat Exchangers
Equipment Description:	COOLER U-1 HPCI OIL





Quad Cities 121



Quad Cities 123

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1-2399-15-PCV	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: U-1 HPCI GL SEAL CONDENSER COND PMP DSCH PCV	<u>/</u>
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area):	
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	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	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
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1-2399-15-PCV	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: U-1 HPCI GL SEAL CONDENSER COND PMP DSCH PCV	,
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
3/4-inch clearance between operator and gallery judged to be acceptable.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	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	
<u>Comments</u> ***** Seismic Walkdown Team: D. Carter & J. Griffith - 8/23/2012	
Evaluated by: David Carter Date: 10/	/4/2012
Evaluated by: Devid Carter Date: 10/	/4/2012

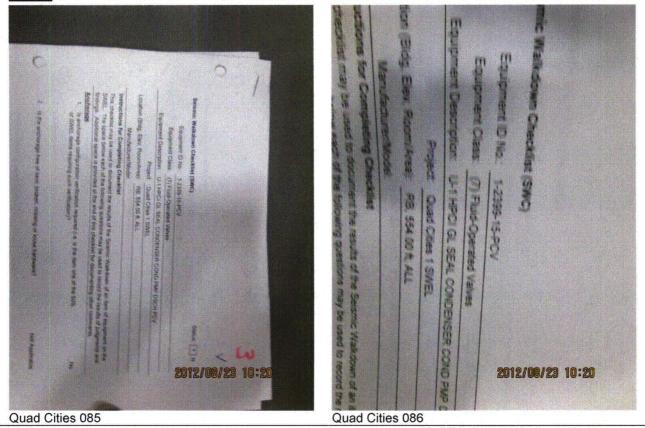
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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-2399-15-PCV
Equipment Class:	(7) Fluid-Operated Valves
Equipment Description:	U-1 HPCI GL SEAL CONDENSER COND PMP DSCH PCV

Photos



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-2399-15-PCV
Equipment Class:	(7) Fluid-Operated Valves
Equipment Description:	U-1 HPCI GL SEAL CONDENSER COND PMP DSCH PCV



Quad Cities 087



Quad Cities 088

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	1-2399-15-PCV
Equipment Class:	(7) Fluid-Operated Valves

Equipment Description: U-1 HPCI GL SEAL CONDENSER COND PMP DSCH PCV



Quad Cities 089

Status:	Υ	N	U

Seismic Walkdown Checklist (SWC)

.

Equipment Class. (15) Batteries on Packs	
Equipment Class: (15) Batteries on Racks	
Equipment Description: BATTERY, 125V	
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area):	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% Ye of SWEL items requiring such verification)? 	s
2. Is the anchorage free of bent, broken, missing or loose hardware? Ye	s
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Ye	s
4. Is the anchorage free of visible cracks in the concrete near the anchors? Ye	s
Minor shrinkage cracks judged to be acceptable.	
5. Is the anchorage configuration consistent with plant documentation? (Note: Ye	
This question only applies if the item is one of the 50% for which an anchorage	.5
configuration verification is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of	
 Based on the above anchorage evaluations, is the anchorage free of Ye potentially adverse seismic conditions? 	:5

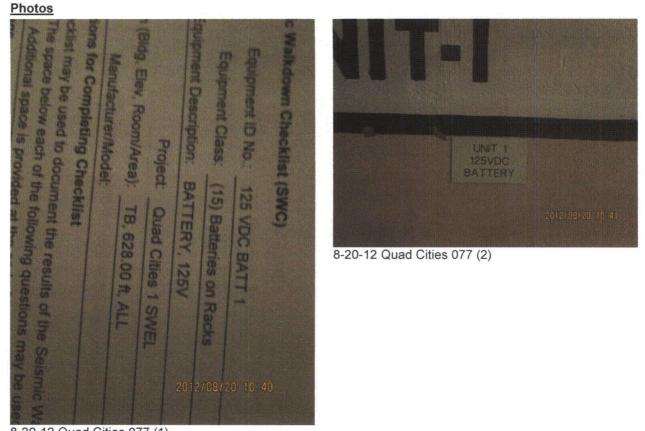
Seismic Walkdo	wn Checklist (SWC)				Status: Y	NU
				·		
	ment ID No.: <u>125 VE</u>					
	pment Class: <u>(15)</u> Ba					
	Description: BATTE	ERY, 125V			•	
Interaction Effect				-0		Vee
7. Are son t	argets free from impac	ct by nearby equipn	nent or structures	5?		Yes
	rs in place between ba nitigate impacts.	atteries and betwee	n the batteries a	nd racks in		
	· · · ·					
	nead equipment, distril block walls not likely to			ting, and		Yes
			· .			
• •						
9. Do attacl	ned lines have adequa	te flexibility to avoir	Seneme h			Yés
J. Do allaci	ieu illes nave auequa	the nexibility to avoir	u damager	• `	·	163
					·	
		· · ·	•			
	n the above seismic int y adverse seismic inte		is, is equipment f	free of	• •	Yes
Other Adverse (Conditions			بە ب	•	
	I looked for and found affect the safety funct			could		Yes
		· .		- -		
•			· · · ·	ų -	· · ·	
Comments SEWS Anchorag	e Notes:					, ,
Each leg anchore bolted thru the tu	ed by a single 3/8" Wee be leg.	dge type expansior	anchor through	a 3x3x1/4" clip	angle that is thr	u-

Seismic Walkdov	/n Team: D. Carter & 、	J. Griffith - 8/20/201	2		:	
Evaluated by:	Saddlat David C	Carter		Date:	10/4/2012	
	June D. Appt Jame	es Griffith			10/4/2012	
					, ,	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	125 VDC BATT 1
Equipment Class:	(15) Batteries on Racks
Equipment Description:	BATTERY, 125V



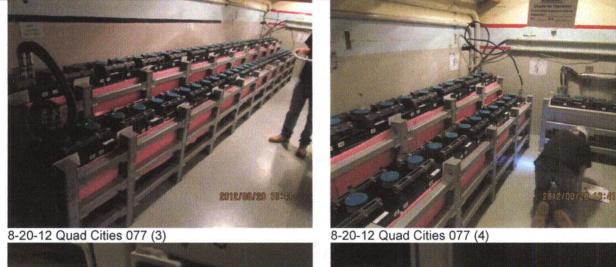
8-20-12 Quad Cities 077 (1)

Status:	Y	N	1
orarao.	1		-

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	125 VDC BATT 1		
Equipment Class:	(15) Batteries on Racks		

Equipment Description: BATTERY, 125V





8-20-12 Quad Cities 077 (5)



8-20-12 Quad Cities 077 (6)

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	125 VDC BATT 1		
Equipment Class:	(15) Batteries on Racks		
Equipment Description:	BATTERY, 125V		



8-20-12 Quad Cities 077 (7)



8-20-12 Quad Cities 077 (8)



8-20-12 Quad Cities 077 (9)

C-229

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-3903	
Equipment Class: (5) Horizontal Pumps	
Equipment Description: PUMP, DG COOLING - U1 DIESEL GENERATOR COOLING WATER PL	JMP
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area): TB, 547.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments a findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
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?	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?	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	100
configuration verification is required.)	
· · · · · · · · · · · · · · · · · · ·	
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
Interaction Effects	
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Yes

Seismic Walkdown Checklist	(SWC)		Status: Y N U
Equipment ID No.:	1-3903		
Equipment Class:	(5) Horizontal Pumps		
Equipment Description:	PUMP, DG COOLING - U1 DIESEL G	SENERATOR COC	LING WATER PUMP
	nt, distribution systems, ceiling tiles and t likely to collapse onto the equipment?		Yes
9. Do attached lines have	adequate flexibility to avoid damage?		Yes
	eismic interaction evaluations, is equipm smic interaction effects?	ent free of	Yes
Other Adverse Conditions 11. Have you looked for ar adversely affect the sa	nd found no adverse seismic conditions fety functions of the equipment?	that could	Yes
Comments			
SEWS Anchorage Notes:			, ·
Pump anchored by six - 7/8" (3	per side) cast-in-place anchors.		
***** Seismic Walkdown Team: D. C	arter & J. Griffith - 8/21/2012		
Evaluated by:	David Carter	Date:	10/4/2012
June D. Affr	和 James Griffith		10/4/2012

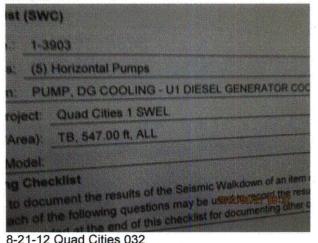
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-3903 Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP, DG COOLING - U1 DIESEL GENERATOR COOLING WATER PUMP

Photos



8-21-12 Quad Cities 032



8-21-12 Quad Cities 034



8-21-12 Quad Cities 033



8-21-12 Quad Cities 035

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	1-3903
Equipment Class:	(5) Horizontal Pumps
Equipment Description:	PUMP, DG COOLING - U1 DIESEL GENERATOR COOLING WATER PUMP





8-21-12 Quad Cities 037

8-21-12 Quad Cities 036







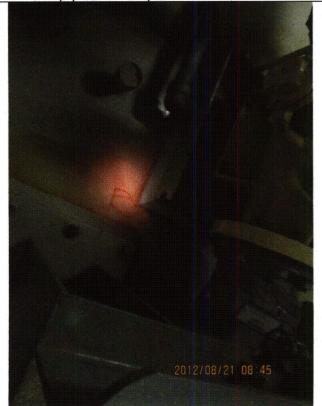
8-21-12 Quad Cities 039

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-3903

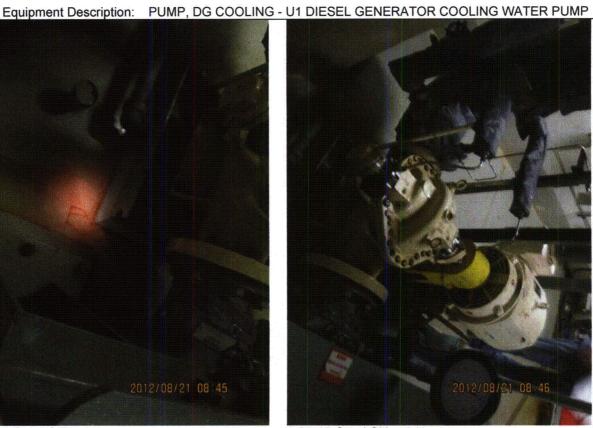
Equipment Class: (5) Horizontal Pumps



8-21-12 Quad Cities 040



8-21-12 Quad Cities 042



8-21-12 Quad Cities 041

Status:	Y	N	υ

Seismic Walkdown Checklist (SWC)

Equipment ID No.: <u>1-4600A</u>	
Equipment Class: (12) Air Compressors	
Equipment Description: TANK, AIR RECEIVER - RECEIVER GAS (IDNS PRESSUR	E VESSEL)
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area): DG, 595.00 ft, ALL	
Manufacturer/Model:	· · · · · ·
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of 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 comm	f judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
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
Mounted on the air start skid.	
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes

Seismic Walkdown Checklist (SWC)	1 U
Equipment ID No.: 1-4600A	
Equipment Class: (12) Air Compressors	
Equipment Description: TANK, AIR RECEIVER - RECEIVER GAS (IDNS PRESSURE VESSEL)	
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
All lines driven by air start skid.	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Seismic Walkdown Team: D. Carter & J. Griffith - 8/21/2012	
Evaluated by: David Carter Date: 10/4/2012	
James Griffith 10/4/2012	

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Status: Y N U

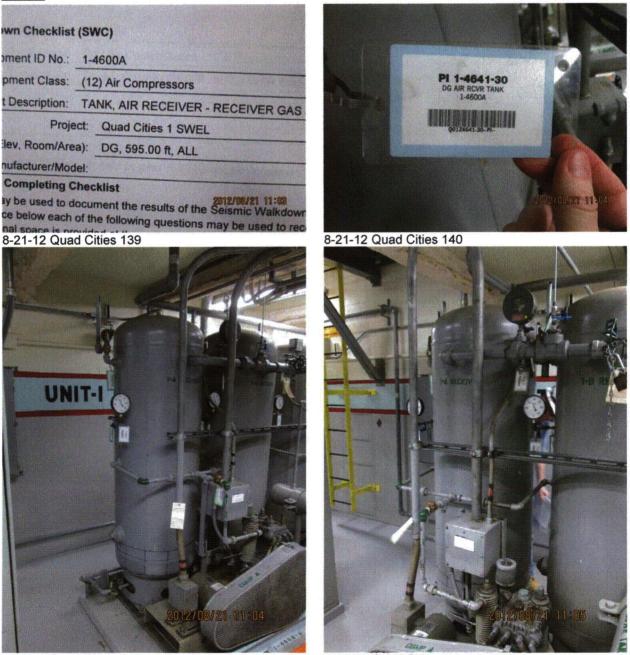
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-4600A

Equipment Class: (12) Air Compressors

Equipment Description: TANK, AIR RECEIVER - RECEIVER GAS (IDNS PRESSURE VESSEL)

Photos



8-21-12 Quad Cities 141

8-21-12 Quad Cities 142

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-4600A
	(12) Air Compressors
Equipment Description:	TANK, AIR RECEIVER - RECEIVER GAS (IDNS PRESSURE VESSEL)





8-21-12 Quad Cities 144

Status: Y N U

Equipment ID No.: 1-4604	
Equipment Class: _(0) Other	
Equipment Description: DRYER, AIR	
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area): DG, 595.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of 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 contents of the space of	s of judgments and
Anchorage	,
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	٩
	•••••
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicab
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicab
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicab
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicab
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Component is mounted in the piping. The piping is well supported.	Ye

Seismic Walkdown Checklist (SWC)

,

Yes

No

Not Applicable

Not Applicable

Not Applicable

Not Applicable

4 Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? Not Applicable

Saiamia Walkdown Chacklist (SWC)	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1-4604	
Equipment Class: _(0) Other	
Equipment Description: DRYER, AIR	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Overhead light fixtures judged to be acceptable.	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	<u>.</u> .
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
<u>Comments</u>	
Seismic Walkdown Team: D. Carter & J. Griffith - 8/21/2012	
Evaluated by: David Carter Date: Date:	10/4/2012
Jm D. Affit James Griffith	10/4/2012

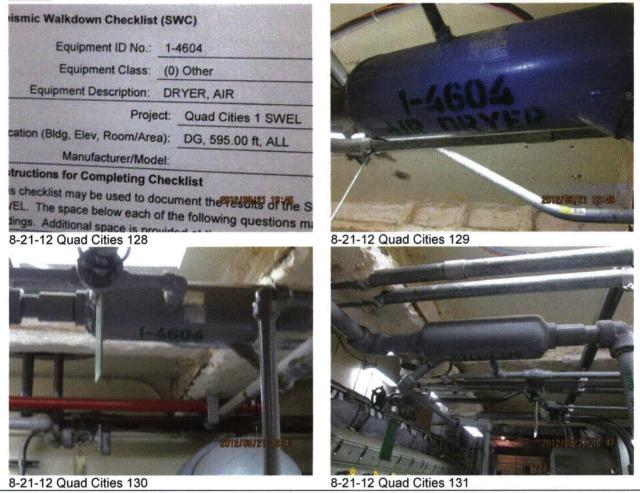
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Status:	Y	N	U
	and the second second second		

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-4604	ан
Equipment Class:	(0) Other	
Equipment Description:	DRYER, AIR	

Photos



Seismic Walkdown Checklist (SWC)
Equipment ID No.: 1-4605
Equipment Class: (21) Tanks and Heat Exchangers
Equipment Description: TANK, BLOWDOWN
Project: Quad Cities 1 SWEL
Location (Bldg, Elev, Room/Area): DG, 595.00 ft, ALL
Manufacturer/Model: Instructions for Completing Checklist
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.
Anchorage 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
 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.)
6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? Yes

Seismic Walkdown Checklist (SWC)	<u> </u> N U
Equipment ID No.: 1-4605	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: TANK, BLOWDOWN	
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area): _DG, 595.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment or SWEL. The space below each of the following questions may be used to record the results of judgment findings. Additional space is provided at the end of this checklist for documenting other comments.	
 Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	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
 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.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes

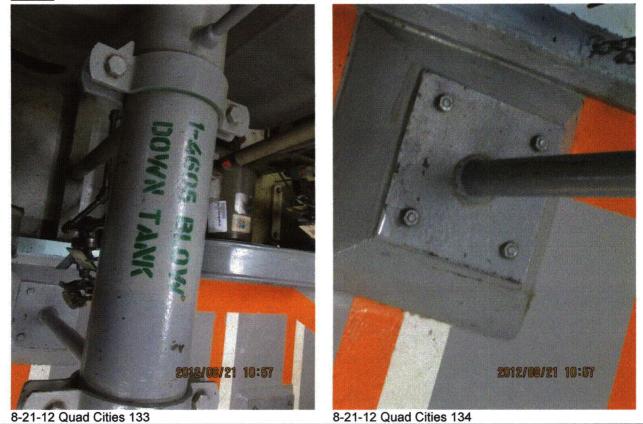
Seism	ic Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 1-4605	
	Equipment Class: (21) Tanks and Heat Exchangers	
	Equipment Description: TANK, BLOWDOWN	n in suite dennes markenes personales de la constant. Antes de la constant d
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Overhead light fixtures judged to be acceptable.	Yes
9.	Do attached lines have adequate flexibility to avoid damage?	Yes
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
	Adverse Conditions Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comm	ante	n in the second seco Second second
	Anchorage Notes:	
	rage: 36" L x 6 1/2" OD tank on two trunnion supports 2" Dia. X 28" Ht. One trunnion is ar skid and the other trunnion is attached to a base plate which is bolted to floor with four	
seismi	c Walkdown Team: D. Carter & J. Griffith - 8/21/2012	
Evalua	ted by: David Carter Date: 10/1	2/2012
	James Griffith 10/1	2/2012

Status:	Y	N	U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-4605
Equipment Class:	(21) Tanks and Heat Exchangers
Equipment Description:	

Photos



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-4605
Equipment Class:	(21) Tanks and Heat Exchangers
Equipment Description:	TANK, BLOWDOWN





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8-21-12 Quad Cities 137



8-21-12 Quad Cities 138

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1-4641-42A	
Equipment Class: (18) Instruments on Racks	
Equipment Description: SWITCH, PRESS *U1 DG PS 1-4641-42A SHUTOFF VL	v
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area): DG, 595.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of 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	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
· · ·	
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:	Not Applicable
This question only applies if the item is one of the 50% for which an anchorage	NotApplicable
configuration verification is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Tes
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes

i

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1-4641-42A	
Equipment Class: (18) Instruments on Racks	
Equipment Description: SWITCH, PRESS *U1 DG PS 1-4641-42A SHUTOFF VLV	/
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Overhead light fixtures judged to be acceptable.	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
	· .
***** Seismic Walkdown Team: D. Carter & J. Griffith - 8/21/2012	
Seisifiic Walkdown Tearri. D. Carler & J. Grinitin - 6/21/2012	
	/4/2012
James Griffith 10/	/4/2012
	· · ·

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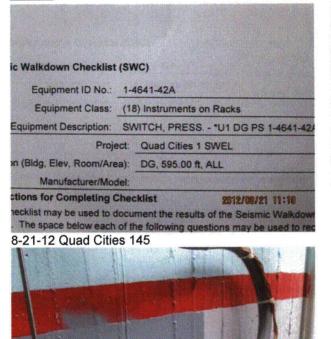
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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-4641-42A
Equipment Class:	(18) Instruments on Racks
Equipment Description:	SWITCH, PRESS *U1 DG PS 1-4641-42A SHUTOFF VLV

Photos



2012/08/21 11:1

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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	1-4641-42A
Equipment Class:	(18) Instruments on Racks
Equipment Description:	SWITCH, PRESS *U1 DG PS 1-4641-42A SHUTOFF VLV



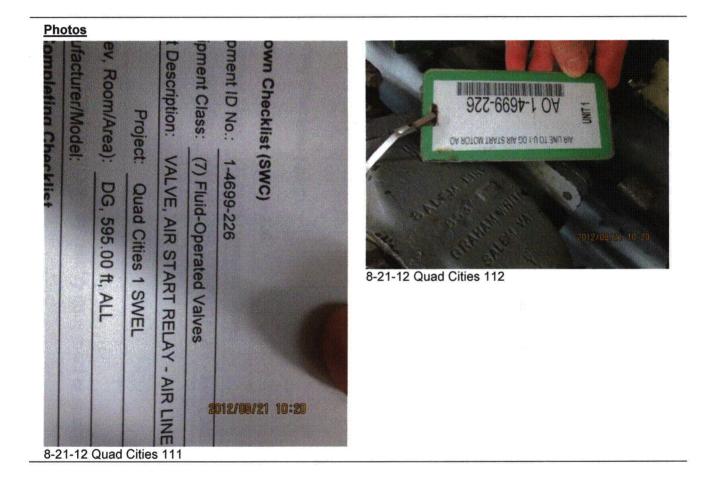
Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1-4699-226	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: VALVE, AIR START RELAY - AIR LINE TO U-1 DG	AIR START MOTOR AO
Project: Quad Cities 1 SWEL	······································
Location (Bldg, Elev, Room/Area): DG, 595.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an it 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 oth	results of judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50 of SWEL items requiring such verification)? 	0% 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
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchora configuration verification is required.) 	Not Applicable ge
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

	Status: YNU
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: _1-4699-226	·····
Equipment Class: _(7) Fluid-Operated Valves	-
Equipment Description: VALVE, AIR START RELAY - AIR LINE TO U-1 DG AI	R START MOTOR AO
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Pl 1-4641-44 has 1/4-inch clearance to DG skid. There is a possibility that during a seismic event, the gauge could displace and contact the EDG skid. Due to the minimal weight of the gauge, the seismic displacement and inertia gained will be minimal. As such, the gauge impact with the skid will not cause significant damage to the gauge. Any damage to the gauge would be limit to minor surface damage. The gauge would not break apart, nor would it become unconnected from the air line. Therefore there is no concern that the equipment would be effected during a seismic event.	· · ·
Judged to be acceptable.	· ·
See IR 1403063.	· · ·
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Overhead light fixtures judged to be acceptable.	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes

Comments

Seismic Walkdown Team: D. Carter & J. Griffith - 8/21/2012

Seismic Walkdown Checklist (SWC)				
Equipm	nent ID No.:	1-4699-226	21 	
Equipr	ment Class:	(7) Fluid-Operated Valves		
Equipment [Description:	VALVE, AIR START RELAY - AIR LINE TO U-1	DG AIR	START MOTOR AO
Evaluated by:	No service service and a service servi	David Carter	Date:	10/4/2012
	June D Appe	∮⊄ James Griffith		10/4/2012



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	1-4699-226	
Equipment Class:	(7) Fluid-Operated Valves	_
Equipment Description:	VALVE, AIR START RELAY - AIR LINE TO U-1 DG AIR START MOTOR AO	



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8-21-12 Quad Cities 115



8-21-12 Quad Cities 114

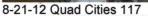


Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-4699-226
Equipment Class:	(7) Fluid-Operated Valves
Equipment Description:	VALVE, AIR START RELAY - AIR LINE TO U-1 DG AIR START MOTOR AO









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8-21-12 Quad Cities 120

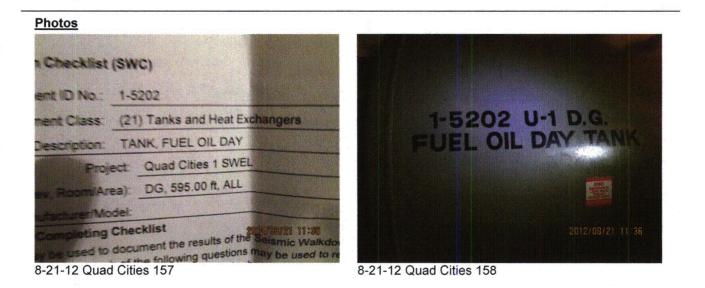
Seismic Walkdown Che	ecklist (SWC)	Status: Y N U
Equipment ID	0 No.: 1-5202	
	Class: (21) Tanks and Heat Exchangers	
	ption: TANK, FUEL OIL DAY	
	Project: Quad Cities 1 SWEL	· · · · · · · · · · · · · · · · · · ·
Location (Bldg, Elev, Roo	om/Area): DG, 595.00 ft, ALL	
Manufactur		
Instructions for Comple	eting Checklist	
SWEL. The space below	ed to document the results of the Seismic Walkdown of an item of v each of the following questions may be used to record the results a is provided at the end of this checklist for documenting other con	of judgments and
<u>Anchorage</u>		
	nfiguration verification required (i.e., is the item one of the 50% equiring such verification)?	Yes
· · ·	• :	
2. Is the anchorage	e free of bent, broken, missing or loose hardware?	Yes
2 bolts with min	or lack of thread engagement judged to be acceptable.	
Shims stacked b acceptable	etween saddle and W18 at west support. Judged to be	
	free of corrosion that is more than mild surface oxidation?	Yes
Minor surface c	corrosion on W18 judged to be acceptable.	
4. Is the anchorage	e free of visible cracks in the concrete near the anchors?	Not Applicable
Attached to W1	8s not anchored to concrete.	
This question on	e configuration consistent with plant documentation? (Note: ly applies if the item is one of the 50% for which an anchorage ification is required.)	Yes
		, [.]
	ove anchorage evaluations, is the anchorage free of se seismic conditions?	Yes
	· · ·	

Seismic Walkdown Checklist	(SWC)		Status: Y N U
Equipment ID No.:			
	(21) Tanks and Heat Exchangers		
Equipment Description:			
Interaction Effects	· · · · · · · · · · · · · · · · · · ·		
7. Are soft targets free fro	m impact by nearby equipment or structu	res?	Yes
	nt, distribution systems, ceiling tiles and lig t likely to collapse onto the equipment?	ghting, and	Yes
		<i>}</i>	
9. Do attached lines have	adequate flexibility to avoid damage?		Yes
	ismic interaction evaluations, is equipmer mic interaction effects?	nt free of	Yes
Other Adverse Conditions			·····
11. Have you looked for an	d found no adverse seismic conditions the ety functions of the equipment?	at could	Yes
Comments SEWS Anchorage Notes:			
This 750 gal. capacity diesel fuel oil day tank is mounted on 2 saddles. Each saddle is anchored to a WF beam 18" in depth by 4 - 7/8" steel to steel bolts. The WF beam is then attached to floor beam and the bottom 5" of the WF is buried in concrete.			
Evaluated by:	David Carter 灯 James Griffith	Date:	10/4/2012
Jus D. Affr	灯 James Griffith		10/4/2012

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Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	1-5202	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	TANK, FUEL OIL DAY	



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	1-5202	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	TANK, FUEL OIL DAY	
	2012/08/21 01 36	
8-21-12 Quad Cities 159		



8-21-12 Quad Cities 161



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-5202
Equipment Class:	(21) Tanks and Heat Exchangers
Equipment Description:	TANK, FUEL OIL DAY

Status: Y	N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1-5203	
Equipment Class: (5) Horizontal Pumps	
Equipment Description: PUMP, FUEL OIL TRANSF	
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area): DG, 595.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments a findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	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
 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.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

۰.

Seismic Walkd	own Checklist (SWC)	Status: Y N U
-	ipment ID No.: 1-5203	
	lipment Class: (5) Horizontal Pumps	
Equipmei	nt Description: PUMP, FUEL OIL TRANSF	
	targets free from impact by nearby equipment or structures?	Yes
	, , , , , , , , , , , , , , , , , , ,	
masonr	rhead equipment, distribution systems, ceiling tiles and lighting, and y block walls not likely to collapse onto the equipment? ead light fixtures judged to be acceptable.	Yes
9. Do attac	ched lines have adequate flexibility to avoid damage?	Yes
	on the above seismic interaction evaluations, is equipment free of Ily adverse seismic interaction effects?	Yes
Other Adverse	Conditions	· · · · · · · · · · · · · · · · · · ·
	ou looked for and found no adverse seismic conditions that could ly affect the safety functions of the equipment?	Yes
•		· · · ·
* ,		·
Comments SEWS Anchora	ge Notes:	· · · · · · · · · · · · · · · · · · ·
Small pump on a cast in place bo	a 27" long by 12" wide skid that is anchored through a 2-1/2" high gro lts.	ut pad w/ four 1/2" Dia.
***** Seismic Walkdo	wn Team: D. Carter & J. Griffith - 8/21/2012	
Evaluated by:	David Carter David Carter	e: <u>10/4/2012</u>
	Jose D. Aprill James Griffith	10/4/2012

Seismic Walkdown Checklist	(SWC)		Status: Y N U
Equipment ID No.:	1-5203	51. 1919 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917	
Equipment Class:	(5) Horizontal Pumps		n in initial states in the second states in the second states in the second states in the second states in the
Equipment Description:	PUMP, FUEL OIL TRANSF		

Photos

Equipment ID No .:	1-5203
Equipment Class:	(5) Horizontal Pumps
uipment Description:	PUMP, FUEL OIL TRANSF
	ct: Quad Cities 1 SWEL
Bldg, Elev, Room/Area	a): DG, 595.00 ft, ALL
Manufacturer/Mode	el:
ns for Completing Cl list may be used to do e space below each o	the following questions may be used to rec



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-5203
Equipment Class:	(5) Horizontal Pumps
Equipment Description:	PUMP, FUEL OIL TRANSF





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8-21-12 Quad Cities 097



8-21-12 Quad Cities 099



8-21-12 Quad Cities 100

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	1-5203
Equipment Class:	(5) Horizontal Pumps
Equipment Description:	PUMP, FUEL OIL TRANSF
1	



	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1-5727	
Equipment Class: (9) Fans	
Equipment Description: FAN, ROOM VENTILAT - DG ROOM VENT FAN	
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area):DG, 595.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	· .
This checklist may be used to document the results of the Seismic Walkdown of an item of 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	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
Minor bends in 3 longer rod hangers judged to be acceptable.	
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? Hung from steel above.	Not Applicable
 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.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
Interaction Effects	,
7. Are soft targets free from impact by nearby equipment or structures?	Yes

Colomia Walkdown	Checklict			Status: Y	NU
Seismic Walkdowr					
	ent ID No.:				
	ent Class:	FAN, ROOM VENTILAT - DG ROOM VENT FAN			
8. Are overhea	ad equipme	nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment?			Yes
9. Do attached	l lines have	adequate flexibility to avoid damage?			Yes
potentially a	idverse seis	smic interaction evaluations, is equipment free of mic interaction effects?		· ·	Yes
	oked for an	d found no adverse seismic conditions that could ety functions of the equipment?			Yes
****	t supported	by 4 rod hangers from ceiling, one hanger is shorte	er thar	n the others.	
		arter & J. Griffith - 8/21/2012			
Evaluated by:	June D. App	đ)ate:	10/4/2012	
-	0	James Griffith		10/4/2012	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-5727

Equipment Class: (9) Fans

Equipment Description: FAN, ROOM VENTILAT - DG ROOM VENT FAN

Photos



8-21-12 Quad Cities 151



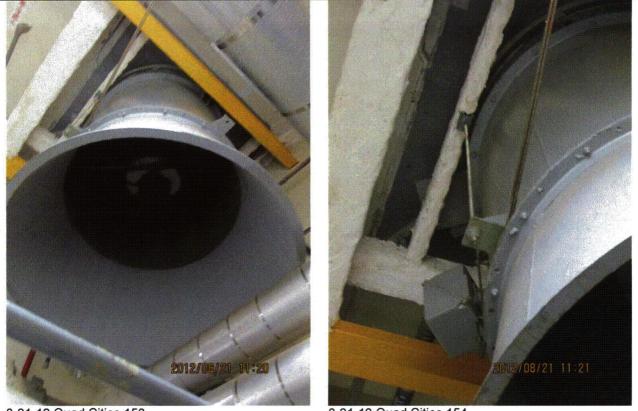
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-5727

Equipment Class: (9) Fans

Equipment Description: FAN, ROOM VENTILAT - DG ROOM VENT FAN



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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: <u>1-5727</u> Equipment Class: <u>(9) Fans</u>

Equipment Description: FAN, ROOM VENTILAT - DG ROOM VENT FAN



8-21-12 Quad Cities 155



Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: _1-5745A	
Equipment Class: (10) Air Handlers	
Equipment Description: COOLER, CUBICLE - 1A RHRSW PMP CUBICAL COOL	.ER
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area):TB, 547.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of SWEL. The space below each of the following questions may be used to record the result findings. Additional space is provided at the end of this checklist for documenting other co	s of judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
 Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Viewed 3 of 4 anchors in each anchored leg from floor. Welded legs appear to be acceptable. Remaining anchors could not be viewed due visibility from floor. Visible anchors inspection leads to the conclusion all anchors are acceptable. 	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1-5745A	
Equipment Class: (10) Air Handlers	
Equipment Description: COOLER, CUBICLE - 1A RHRSW PMP CUBICAL COOLER	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Tubes in contact with one another. Flexible and judged to be acceptable.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
	×
9. Do attached lines have adequate flexibility to avoid damage?	Yes
	ч. К
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
	· · · · · · · · · · · · · · · · · · ·
Other Adverse Conditions 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
	- -
<u>Comments</u>	
***** Seismic Walkdown Team: D. Carter & J. Griffith - 8/22/2012	
Evaluated by: David Carter Date: 10	4/2012
Evaluated by: David Carter Date: 10. Image: Down Down Down Down Down Down Down Down	4/2012

Seismic Walkdown Checklist	(SWC)		Status: Y N U
Equipment ID No.:	1-5745A		18 : 18 : Miller J. B. Wilson M. Joseph and Million Million and Academic Stream
Equipment Class:	(10) Air Handlers		
Equipment Description:	COOLER, CUBICLE - 1A	RHRSW PMP CUBICAL	COOLER
Photos			
Walkdown Checklist (SWC) Equipment ID No: 1-5745A Equipment Class: (10) Air Handlers Equipment Description: COOLER, CUBICLE - 1A RHRSW PMP CUBICAL COOLER Project: Quad Cities 1 SWEL Project: TB, 547.00 ft, ALL 8-22-12 Quad Cities 092		S-22-12 Quad Cities 093	A B B B B B B B B B B B B B B B B B B B

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: <u>1-5745A</u> Equipment Class: <u>(10) Air Handlers</u>

Equipment Description: COOLER, CUBICLE - 1A RHRSW PMP CUBICAL COOLER





8-22-12 Quad Cities 095

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-5745A

Equipment Class: (10) Air Handlers

Equipment Description: COOLER, CUBICLE - 1A RHRSW PMP CUBICAL COOLER



8-22-12 Quad Cities 096



Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1-5747	<u> </u>
Equipment Class: (10) Air Handlers	
Equipment Description: COOLER, CUBICLE - U1 HPCI ROOM EMERGENCY COO	OLER
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area): _TB, 554.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of 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	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
	163
A minor bend in hanger rod judged to be acceptable.	
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.)	
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. 1 5747	
Equipment ID No.: <u>1-5747</u>	
Equipment Class: (10) Air Handlers	
Equipment Description: COOLER, CUBICLE - U1 HPCI ROOM EMERGER	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
	d Mar
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	d Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
Cooler is restrained to wall. The cooler is restrained to prevent damage du to relative movement between the cooler and the attached piping.	le
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
 Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? 	Yes
<u>Comments</u> SEWS Anchorage Notes:	
Cooler hung on 5 - 5/8" rods. Each rod is anchored by 4 - 1/2" concrete expansion	anchors.
seismic Walkdown Team: D. Carter & J. Griffith - 8/23/2012	
Evaluated by: David Carter D	ate: 10/4/2012
Evaluated by: <u>Saddlat</u> David Carter D	10/4/2012

Seismic Walkdown Checklist	(SWC) Status: Y N	U
Equipment ID No.:	1-5747	
Equipment Class:	(10) Air Handlers	
Equipment Description:	COOLER, CUBICLE - U1 HPCI ROOM EMERGENCY COOLER	

Photos
hecklist (SWC)
ID No.: 1-5747
t Class: (10) Air Handlers
cription: COOLER, CUBICLE - U1 HPCI ROOM EMERGEN
Project: Quad Cities 1 SWEL
Room/Area): TB, 554.00 ft, ALL
turer/Model:
pleting Checklist used to document the results of the Seisreto Matketon of an low each of the following questions may be used to record the description of the following duestions may be used to record the
Quad Cities 070



Quad Cities 071

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-5747

Equipment Class: (10) Air Handlers

Equipment Description: COOLER, CUBICLE - U1 HPCI ROOM EMERGENCY COOLER



Quad Cities 072







Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-5747

Equipment Class: (10) Air Handlers

Equipment Description: COOLER, CUBICLE - U1 HPCI ROOM EMERGENCY COOLER



Quad Cities 076



Quad Cities 078



Quad Cities 077



Quad Cities 079

Status:	Y	N	U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-5747
Equipment Class:	(10) Air Handlers
Equipment Description:	COOLER, CUBICLE - U1 HPCI ROOM EMERGENCY COOLER
	2012/09/23 10:07
Quad Cities 080	

Status: Y N U

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

Equipment ID No.: 1-5748A	
Equipment Class: _(10) Air Handlers	
Equipment Description: COOLER, CUBICLE - 1A CS/RCIC PMP RM COOLER	:
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area): _RB, 560.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% Ye of SWEL items requiring such verification)? 	€S
2. Is the anchorage free of bent, broken, missing or loose hardware? Ye	es
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Ye	35
4. Is the anchorage free of visible cracks in the concrete near the anchors? Ye	∋s
 Is the anchorage configuration consistent with plant documentation? (Note: Ye This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	98
 Based on the above anchorage evaluations, is the anchorage free of Ye potentially adverse seismic conditions? 	es
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? Ye	es

Seismic Wa	Ikdown Checklist	(SWC)			Status: Y N U
E	Equipment ID No.:	1-5748A			
	Equipment Class:	(10) Air Handlers	1		
Equip	ment Description:	COOLER, CUBICI	LE - 1A CS/RCIC PM	/P RM COOLER	
			ms, ceiling tiles and into the equipment?	lighting, and	Yes
9. Do a	attached lines have	adequate flexibility	to avoid damage?	· · ·	Yes
			restrained to preven nd the attached pipir		· · ·
		smic interaction eva mic interaction effe	aluations, is equipme cts?	ent free of	Yes
			, ,		
Other Adve	rse Conditions		· · · · · · · · · · · · · · · · · · ·		
		d found no adverse ety functions of the	seismic conditions t equipment?	hat could	Yes
Comments					
	orage Notes:				
Cooler hung	on 6 - 5/8" rods. E	ach rod is anchored	d by 4 - 1/2" concrete	e expansion anchors	.
***** Seismic Wal	kdown Team: D. Ca	arter & J. Griffith - 8	/23/2012		
Evaluated by	1: Dadellate	David Carter		Date: <u>1</u>	0/4/2012
	Juns D. Appe	d James Griffith		1	0/4/2012
			:		
		·····	· · · · · · · · · · · · · · · · · · ·		

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 3 of 3

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	1-5748A	
Equipment Class:	(10) Air Handlers	
Equipment Description:	COOLER, CUBICLE - 1A CS/RCIC PMP RM COOLER	
Photos		
Checklist (SWC)		
TIO No .: 1-57484		

orm Class (10) Air Handlers COOLER CUBICLE - LA CU scription. Philippendi Quad Cities 1 State 2012/06/23 14:21

Quad Cities 125

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 1 of 6

Status: Y N U

Seismic Walkdown Chec	klist (SWC)	
-----------------------	-------------	--

Equipment Class: _(10) Air Handlers			
Equipment Description: COOLER, CUBICLE - 1DG CW PMP CUB COOLER			
Project: Quad Cities 1 SWEL			
Location (Bldg, Elev, Room/Area):TB, 547.00 ft, ALL			
Manufacturer/Model:			
Instructions for Completing Checklist			
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.			
Anchorage			
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	0		
2. Is the anchorage free of bent, broken, missing or loose hardware? Ye	s		
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Ye	s		
4. Is the anchorage free of visible cracks in the concrete near the anchors? Ye	s		
5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable Not Applicable Sold for this base of the sold for the s	e		
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 Ye potentially adverse seismic conditions?	s		

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 2 of 6

Status: Y N U

Seismic Walkdo	wn Checklist (SWC)	
Equi	oment ID No.: 1-5749	
Equi	pment Class: (10) Air Handlers	
Equipmen	t Description: COOLER, CUBICLE - 1DG CW PMP CUB COOLER	
Interaction Effe		
7. Are soft	targets free from impact by nearby equipment or structures?	Yes
Tube in	contact with pipe insulation. Judged to be acceptable.	۰
	head equipment, distribution systems, ceiling tiles and lighting, and block walls not likely to collapse onto the equipment?	Yes
•		
9. Do attac	hed lines have adequate flexibility to avoid damage?	Yes
	n the above seismic interaction evaluations, is equipment free of ly adverse seismic interaction effects?	Ye
Other Adverse	Conditions	<u> </u>
11. Have yo	u looked for and found no adverse seismic conditions that could y affect the safety functions of the equipment?	Ye
Comments		·····
***** Colomia Malkdou	vn Team: D. Carter & J. Griffith - 8/21/2012	
Evaluated by:	David Carter Date:	1/2012
•	James Griffith 10/2	/2012
- . •		

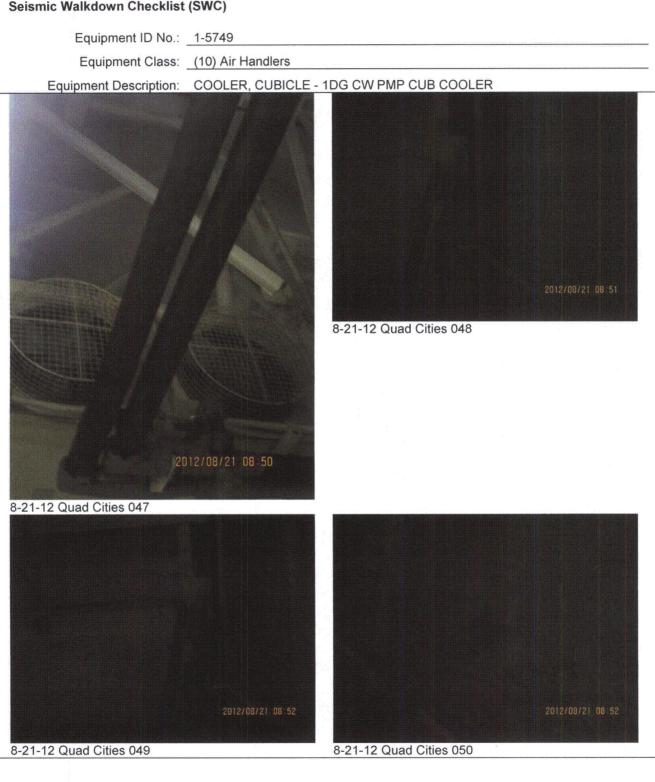
Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 3 of 6

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1-5749	
Equipment Class: (10) Air Handlers	
Equipment Description: COOLER, CUBI	CLE - 1DG CW PMP CUB COOLER
Photos	
down Checklist (SWC) upment ID No. 1-5749 upment Class (10) Air Handlers ent Description COOLER, CUBICLE - 1DG CW PMP CUB COOLER Project Quad Cities 1 SWEL Elev, Room/Area) T5, 547.00 ft, ALL anufacturer/Model r Completing Checklist ay be used to document the results of the Seismic Walkdown of an item ice below each of the following questions may be used to document for the checklist for documenting other	Anter States ANTER
ce below each of the following questions may be used to each the main space is provided at the end of this checklist for documenting other 8-21-12 Quad Cities 043	8-21-12 Quad Cities 044
2012/08/21 08:50	2012/08/21 08:50
8-21-12 Quad Cities 045	8-21-12 Quad Cities 046

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 4 of 6

Status: Y N U

Seismic Walkdown Checklist (SWC)



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Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 5 of 6

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	1-5749
Equipment Class:	(10) Air Handlers
Equipment Description:	COOLER, CUBICLE - 1DG CW PMP CUB COOLER





8-21-12 Quad Cities 052

8-21-12 Quad Cities 051

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 6 of 6

Status: Y N U

Seismic Walkdown Checklist (SWC)

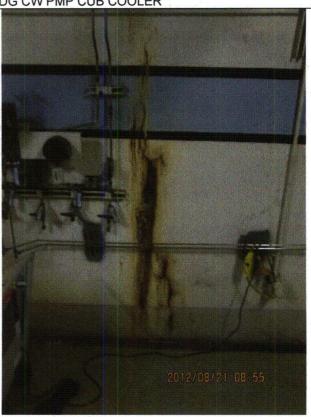
Equipment ID No.: 1-5749

Equipment Class: (10) Air Handlers

Equipment Description: COOLER, CUBICLE - 1DG CW PMP CUB COOLER



8-21-12 Quad Cities 053



8-21-12 Quad Cities 054

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 1 of 7

Seismic Walkdown Checklist (SWC)	NU
Equipment ID No.: 1-6601	
Equipment Class: (17) Engine-Generators	
Equipment Description: DG, UNIT 1	
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area): DG, 595.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on to SWEL. The space below each of the following questions may be used to record the results of judgments a findings. Additional space is provided at the end of this checklist for documenting other comments.	he and
 Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	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? <i>Minor spalling in grout pads judged to be acceptable.</i>	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 2 of 7

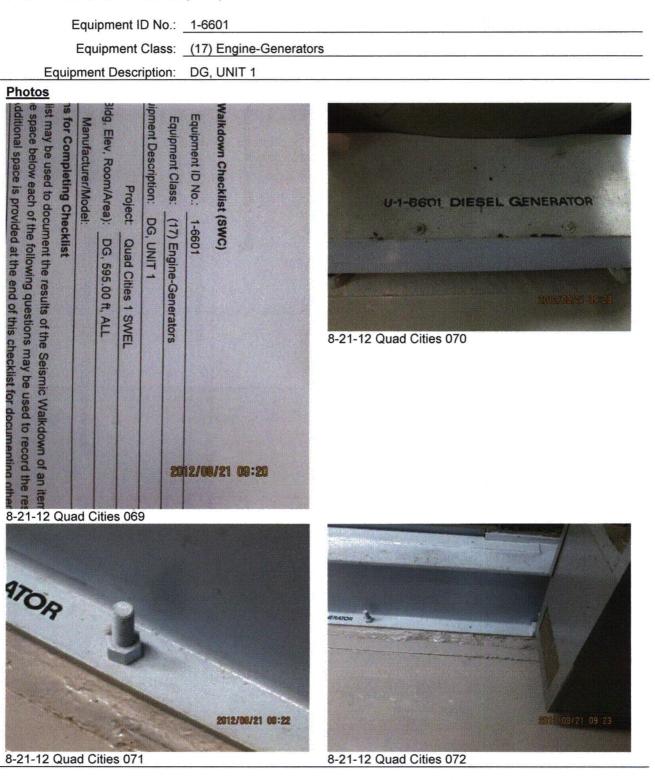
Seismic Walkdo	wn Checklist (SWC)		Status: Y N U
Equip	oment ID No.: 1-6601		
	pment Class: (17) Engine-Generators		<u></u>
	t Description: DG, UNIT 1		
· :			
masonry	nead equipment, distribution systems, ceiling tiles and lightin block walls not likely to collapse onto the equipment? <i>tures judged to be acceptable.</i>	g, and	Yes
9. Do attact	ned lines have adequate flexibility to avoid damage?		Yes
	n the above seismic interaction evaluations, is equipment free ly adverse seismic interaction effects?	e of	Yes
	<u>Conditions</u> u looked for and found no adverse seismic conditions that co y affect the safety functions of the equipment?	uld	Yes
Comments SEWS Anchorag	e Notes:		
Anchored by 14 o	cast-in-place 1.25" diameter bolts.		
Seismic Walkdov	vn Team: D. Carter & J. Griffith - 8/21/2012		
Evaluated by:	South David Carter	Date: _1	0/4/2012
	James Griffith	1	0/4/2012
	· · ·		

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Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 3 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)



Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 4 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-6601
Equipment Class:	(17) Engine-Generators
Equipment Description:	DG, UNIT 1



Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 5 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-6601
Equipment Class:	(17) Engine-Generators
	and a second of the second

Equipment Description: DG, UNIT 1



8-21-12 Quad Cities 075

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 6 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: <u>1-6601</u> Equipment Class: <u>(17) Engine-Generators</u>

Equipment Description: DG, UNIT 1



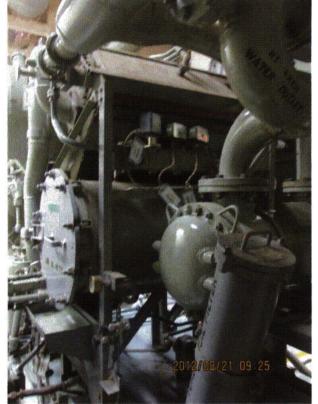
8-21-12 Quad Cities 077

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 7 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-6601	
Equipment Class:	(17) Engine-Generators	
Equipment Description:	DG, UNIT 1	



Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 1 of 4

		Status: Y N U
Seism	ic Walkdown Checklist (SWC)	
	Equipment ID No.: 1-6654	
	Equipment Class: (21) Tanks and Heat Exchangers	
	Equipment Description: HX, DG LUBE OIL	
	Project: Quad Cities 1 SWEL	
Locatio	on (Bldg, Elev, Room/Area):DG, 595.00 ft, ALL	
	Manufacturer/Model:	
This cl SWEL finding	ctions for Completing Checklist necklist may be used to document the results of the Seismic Walkdown of an item of e . The space below each of the following questions may be used to record the results s. Additional space is provided at the end of this checklist for documenting other com	of judgments and
Ancho		No
1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	No
2.	Is the anchorage free of bent, broken, missing or loose hardware?	Yes
	Top clamped and bottom bolted to frame attached to DG skid.	
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
	Attached to frame on DG skid.	
5.	Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	Not Applicable
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 2 of 4

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1-6654	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: HX, DG LUBE OIL	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Not Applicable
Heat exchanger has no soft targets.	
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
All pipes are mounted on the same DG skid the heat exchanger. No relati movement that will result in adverse condition.	ve
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	·····
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Seismic Walkdown Team: D. Carter & J. Griffith - 8/21/2012	
	ate: 10/4/2012
James Griffith	10/4/2012

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 3 of 4

Status: Y N U

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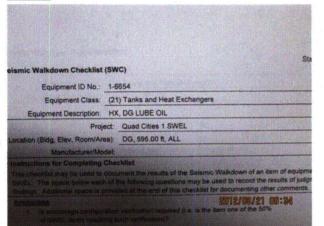
Seismic Walkdown Checklist (SWC)

 Equipment ID No.:
 1-6654

 Equipment Class:
 (21) Tanks and Heat Exchangers

 Equipment Description:
 HX, DG LUBE OIL

Photos



8-21-12 Quad Cities 080



8-21-12 Quad Cities 082



8-21-12 Quad Cities 083

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 4 of 4

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1-6654	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: HX, DG LUBE OIL	
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Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 1 of 5

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	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1-6661A	•
Equipment Class: (21) Tanks and Heat Exchangers	·····
Equipment Description: HX, DG COOLING	
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area): DG, 595.00 ft, ALL	
Manufacturer/Model:	·····
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of ex 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 com	of judgments and
Anchorage	•
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
	· · ·
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
Two U-bolts to support brackets that are bolted to frame which is attached to DG skid.	
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
Heat exchanger mounted to DG skid.	•
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
Interaction Effects	, · · · · · · · · · · · · · · · · · · ·
7. Are soft targets free from impact by nearby equipment or structures?	Yes

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 2 of 5

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Seismic Walkdow	n Checklist (SWC)	Status: YNU
	nent ID No.: 1-6661A	
	nent Class: (21) Tanks and Heat Exchangers	
	Description: HX, DG COOLING	
	ead equipment, distribution systems, ceiling tiles and lighting, and lock walls not likely to collapse onto the equipment?	Yes
9. Do attache	d lines have adequate flexibility to avoid damage?	Yes
	he above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?	Yes
	onditions ooked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	Yes
<u>Comments</u> ***** Seismic Walkdown	Team: D. Carter & J. Griffith - 8/21/2012	
Evaluated by:		10/4/2012
	· · ·	

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 3 of 5

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-6661A Equipment Class: (21) Tanks and Heat Exchangers

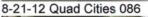
Equipment Description: HX, DG COOLING

Photos

acklist (SWC) D No.: 1-6661A Class: (21) Tanks and Heat Exchangers iption: HX, DG COOLING Project: Quad Cities 1 SWEL iom/Area): DG, 595.00 ft, ALL rer/Model: 2012/06/21 08:44 leting Checklist 2012/06/21 08:44 8-21-12 Quad Cities 085 cd to the Seismic Walkdow



8-21-12 Quad Cities 087





Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 4 of 5

01.1	N		10.1
Status:	Y	N	U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:		
	(21) Tanks and Heat Exchangers	
Equipment Description:	HX, DG COOLING	



8-21-12 Quad Cities 089



8-21-12 Quad Cities 091



8-21-12 Quad Cities 090



Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 5 of 5

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-6661A

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: HX, DG COOLING



8-21-12 Quad Cities 093

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 1 of 6

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1-6705-13-1	· ,
Equipment Class: (3) Medium Voltage Switchgear	
Equipment Description: SWGR 13-1	
Project: Quad Cities 1 SWEL	
Location (Bldg, Elev, Room/Area):	
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	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Unknown
Exterior base anchorage at south end observed. Top east-west wall braces observed. No anchorages observed at north (exterior) end. See original SQUG notes for anchorage.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
	- <u> </u>
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Yes

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Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 2 of 6

Seismic Walkdow	n Checklist (SWC)			Status: Y N U
Equipm	ent ID No.:	1-6705-13-1			
Equipn	nent Class:	(3) Medium Voltag	e Switchgear		<u>.</u>
Equipment D	Description:	SWGR 13-1			
masonry bl	ock walls not	ikely to collapse o	ems, ceiling tiles ar onto the equipment otable. Masonry w	1?	Yes
top.	ing in finitial of j				
9. Do attache	d lines have a	dequate flexibility	to avoid damage?		Yes
		mic interaction evanic interaction effe	aluations, is equip cts?	ment free of	Yes
			•	•	
Other Adverse Co					
		found no adverse by functions of the	seismic condition: equipment?	s that could	Yes
<u>Comments</u>					
Seismic Walkdown	Team: D. Ca	ter & J. Griffith - 8	/20/2012	•	
Per Operations, sw	itchgear door	was not opened.	•	·	
Evaluated by:	Dard Alat. [avid Carter		Date:	10/4/2012
	Dandellat. [Jun D. Appth	James Griffith			10/4/2012
		·•• ·			

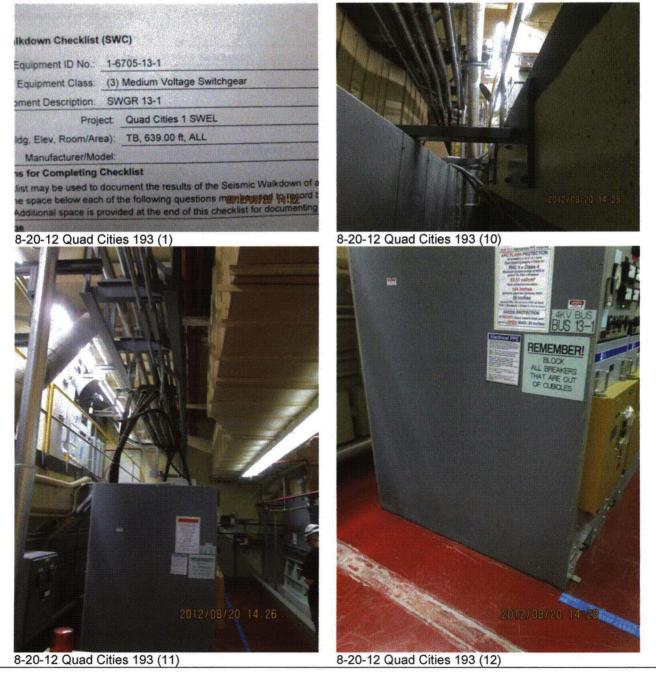
Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 3 of 6

	-	É la companya di second	
Status:	Y	N	U
			100

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-6705-13-1 Equipment Class: (3) Medium Voltage Switchgear Equipment Description: SWGR 13-1

Photos



Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 4 of 6

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-6705-13-1
Equipment Class:	(3) Medium Voltage Switchgear

Equipment Description: SWGR 13-1





8-20-12 Quad Cities 193 (13)



8-20-12 Quad Cities 193 (3)



8-20-12 Quad Cities 193 (4)

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 5 of 6

Seismic Walkdown Checklist	t (SWC)	Status: Y N U
Equipment ID No.:		
	(3) Medium Voltage Switchgear	
Equipment Description:	SWGR 13-1	
		08/20 14:25
8-20-12 Quad Cities 193 (5) 8-20-12 Quad Cities 193 (7)	8-20-12 Quad Cities 193 (6)	2012/08/20 14 25

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 6 of 6

Seismic Walkdown Checklist	(SWC)			Status: Y N	U
Equipment ID No.:	1-6705-13-1		analita ana amin' da sina		
Equipment Class:	(3) Medium Volta	age Switchgear			
 Equipment Description:	SWGR 13-1	na de la companya de Series de la companya			

8-20-12 Quad Cities 193 (9)

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 1 of 7

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1-7100	
Equipment Class: (4) Transformers	
Equipment Description: TRANSFORMER 18 4160V-480V	
Broject: Qued Cities 1 SWE	
Legation (Bldg Flow Room(Aroo)) TB 639.00 ft Al I	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of ea SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comm	of judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
Bears against the foundation at floor, braced to wall. Will not move laterally.	
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
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes

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Seismic Walkdow	vn Checklist (SWC)		Status: Y	NU
	ment ID No.: 1-7100			
			• .	
	Description: TRANSFORMER 18 4160V-480V			
masonry b Overhead	ead equipment, distribution systems, ceiling tiles and ligh block walls not likely to collapse onto the equipment? d light fixtures judged to be acceptable. Masonry wall res d judged to be acceptable.			Yes
9. ∵Do attache	ed lines have adequate flexibility to avoid damage?			Yes
	the above seismic interaction evaluations, is equipment adverse seismic interaction effects?	free of		Yes
	onditions looked for and found no adverse seismic conditions that affect the safety functions of the equipment?	could		Yes
<u>Comments</u> Seismic Walkdowr	n Team: D. Carter & J. Griffith - 8/20/2012			
	been replaced since SQUG walkdown.			
Evaluated by:	Detallat David Carter	Date:	10/4/2012	
	James Griffith	· .	10/4/2012	
· · · ·				
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Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 3 of 7

Status: Y N U

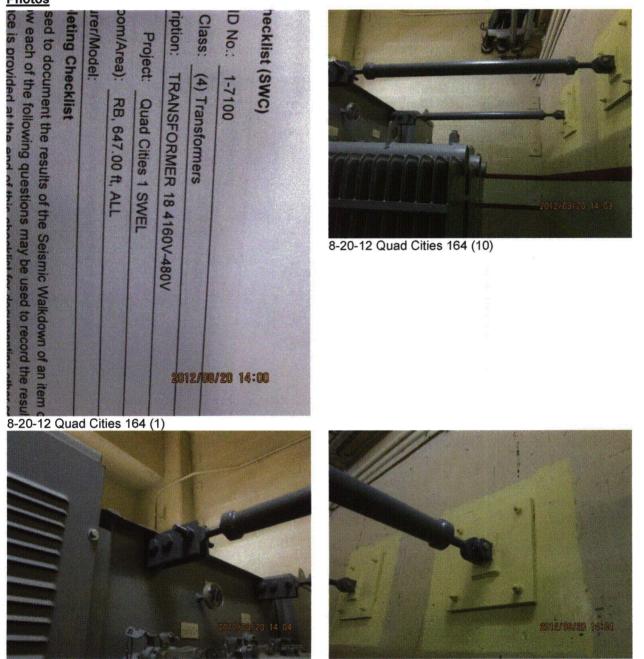
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-7100

Equipment Class: (4) Transformers

Equipment Description: TRANSFORMER 18 4160V-480V

Photos



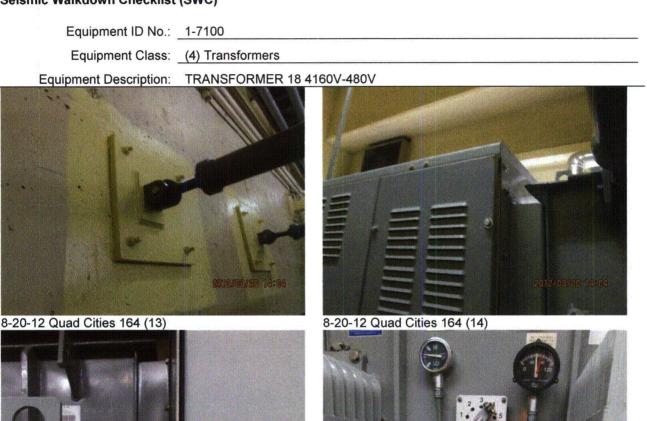
8-20-12 Quad Cities 164 (11)

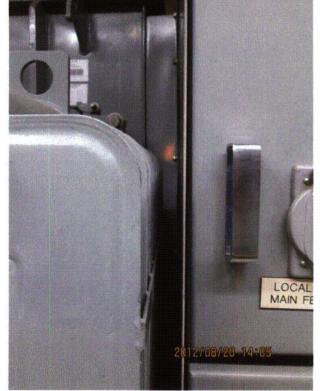
8-20-12 Quad Cities 164 (12)

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Status:	Y	N	U

Seismic Walkdown Checklist (SWC)



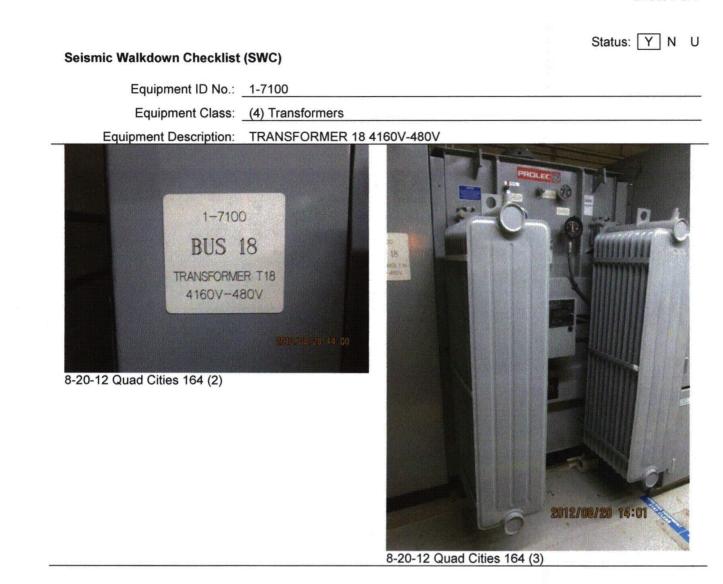


8-20-12 Quad Cities 164 (15)

4:06

⁸⁻²⁰⁻¹² Quad Cities 164 (16)

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 5 of 7



Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 6 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-7100

Equipment Class: (4) Transformers

Equipment Description: TRANSFORMER 18 4160V-480V





8-20-12 Quad Cities 164 (5)

8-20-12 Quad Cities 164 (4)



8-20-12 Quad Cities 164 (6)



8-20-12 Quad Cities 164 (7)

 Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169 Sheet 7 of 7

 Seismic Walkdown Checklist (SWC)

 Equipment ID No.:
 1-7100

 Equipment Class:
 (4) Transformers

 Equipment Description:
 TRANSFORMER 18 4160V-480V

8-20-12 Quad Cities 164 (8)

8-20-12 Quad Cities 164 (9)