	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1/2-4605	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: TANK, BLOWDOWN	
Project: Quad Cities 2 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)? 	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
Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
Minor shrinkage cracks in floor judged to be acceptable.	
 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
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Quad Cities Generating Station Unit 2 12Q0108.40-R-002, Rev. 3 Correspondence No.: RS-12-169 Sheet 2 of 8

Seismic Walkdo	un Chacklist	(SWC)			Status: Y N U
Equip	ment ID No.:	1/2-4605			
Equip	oment Class:	(21) Tanks	and Heat Exchang	ers	
	Description:	TANK, BLO	OWDOWN		
Interaction Effec					Vaa
7. Are soπ ta	argets tree tro	m impact by	nearby equipment	or structures?	Yes
Gap bet	ween panel a	nd air start ta	ank judged to be ac	ceptable.	
masonry	block walls no	t likely to co	on systems, ceiling ollapse onto the equiple acceptable.	tiles and lighting, and ipment?	Yes
9. Do attach	ed lines have	adequate flo	exibility to avoid dar	mage?	Yes
	the above se adverse seis		ction evaluations, is tion effects?	equipment free of	Yes
Other Adverse C	onditions				
			adverse seismic cor s of the equipment?		Yes
Comments					
SEWS Anchorage	Notes:				
				ort is welded to the air re to the floor with four 3/8"	

Seismic Walkdow	n Team: J. Gı	riffith & M. W	Vodarcyk - 8/8/2012		
Evaluated by:	Jus D. Apr	James G	Sriffith	Date:	10/16/2012
	1 /	0	Michael Wodarc	yk	10/16/2012

Sheet 3 of 8

Status: Y N U

Seismic Walkdown Checklist (SWC)

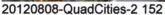
Equipment ID No.: 1/2-4605

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: TANK, BLOWDOWN

Photos







20120808-QuadCities-2 154



20120808-QuadCities-2 153



20120808-QuadCities-2 155

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-4605

Equipment Class: (21) Tanks and Heat Exchangers



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20120808-QuadCities-2 157



20120808-QuadCities-2 159

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-4605

Equipment Class: (21) Tanks and Heat Exchangers



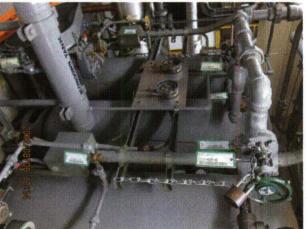
20120808-QuadCities-2 160



20120808-QuadCities-2 162



20120808-QuadCities-2 161



20120808-QuadCities-2 163

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-4605

Equipment Class: (21) Tanks and Heat Exchangers



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20120808-QuadCities-2 165



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-4605

Equipment Class: (21) Tanks and Heat Exchangers



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20120808-QuadCities-2 170



20120808-QuadCities-2 172

Quad Cities Generating Station Unit 2 12Q0108.40-R-002, Rev. 3 Correspondence No.: RS-12-169 Sheet 8 of 8

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-4605

Equipment Class: (21) Tanks and Heat Exchangers



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Quad Cities Generating Station Unit 2 12Q0108.40-R-002, Rev. 3 Correspondence No.: RS-12-169 Sheet 1 of 7

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1/2-4699-226	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: VALVE, AIR START RELAY DG 1/2 AIR START AO	
Project: Quad Cities 2 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 a 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
<u>Anchorage</u>	
 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:	Not Applicable
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 2 12Q0108.40-R-002, Rev. 3 Correspondence No.: RS-12-169 Sheet 2 of 7

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: _1/2-4699-226	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: VALVE, AIR START RELAY DG 1/2 AIR START AO	
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
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
Comments Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 8/8/2012	
Michael J. Wadnagh	0/16/2012 0/16/2012

Seismic Walkdown Checklist (SWC)

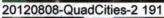
Equipment ID No.: 1/2-4699-226

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: VALVE, AIR START RELAY DG 1/2 AIR START AO

Photos







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Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-4699-226

Equipment Class: (7) Fluid-Operated Valves



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Sheet 5 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-4699-226

Equipment Class: (7) Fluid-Operated Valves



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20120808-QuadCities-2 201



20120808-QuadCities-2 200



20120808-QuadCities-2 202

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-4699-226

Equipment Class: (7) Fluid-Operated Valves



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Sorrespondence No.: RS-12-169 Sheet 7 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-4699-226

Equipment Class: _(7) Fluid-Operated Valves



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20120808-QuadCities-2 210

Quad Cities Generating Station Unit 2 12Q0108.40-R-002, Rev. 3 Correspondence No.: RS-12-169 Sheet 1 of 10

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1/2-5202	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: TANK, FUEL OIL DAY	
Project: Quad Cities 2 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 of findings. Additional space is provided at the end of this checklist for documenting other comments.	of judgments and
<u>Anchorage</u>	
 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
Minor shrinkage cracks in floor judged to be acceptable.	
 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.) Anchorage is shown on drawings B-203, Rev. T and B-204, Rev. Q. 	Yes
SQUG incorrectly identified anchorage. See IR 1402015.	
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.:	1/2-5202		
Equipment Class:	(21) Tanks and Heat Exchange	gers	,
Equipment Description:	TANK, FUEL OIL DAY		
Interaction Effects	·		
7. Are soft targets free fro	m impact by nearby equipment	t or structures?	Yes
	,		• · · · · · · · · · · · · · · · · · · ·
masonry block walls no	nt, distribution systems, ceiling of likely to collapse onto the equal signal in the equal signal in the equal in the equa		Yes
9. Do attached lines have	adequate flexibility to avoid da	mage?	Yes
r P			
	eismic interaction evaluations, is smic interaction effects?	s equipment free of	Yes
		e e e	· ·
 		·	
Other Adverse Conditions			
adversely affect the sa	nd found no adverse seismic co fety functions of the equipment pe in contact with tank. Pipe is le.	?	Yes
Comments Seismic Walkdown Team: J. G	riffith & M. Wodarcyk - 8/8/2012	2	
Evaluated by:	利 James Griffith	Date:	10/4/2012
Mishael	Michael Wodard	cyk	10/4/2012
	1		

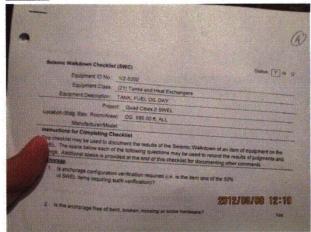
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5202

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: TANK, FUEL OIL DAY

Photos



20120808-QuadCities-2 230



20120808-QuadCities-2 232



20120808-QuadCities-2 231



20120808-QuadCities-2 233

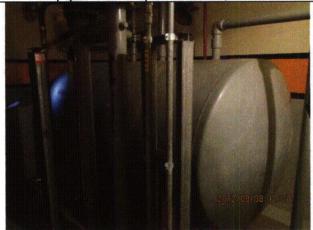
Sheet 4 of 10

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5202

Equipment Class: (21) Tanks and Heat Exchangers



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20120808-QuadCities-2 236



20120808-QuadCities-2 235



20120808-QuadCities-2 237

Sheet 5 of 10

Status: Y N U

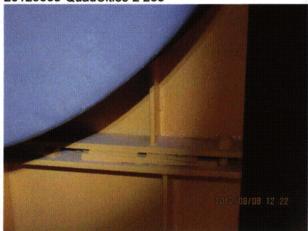
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5202

Equipment Class: (21) Tanks and Heat Exchangers



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20120808-QuadCities-2 240



20120808-QuadCities-2 239



20120808-QuadCities-2 241

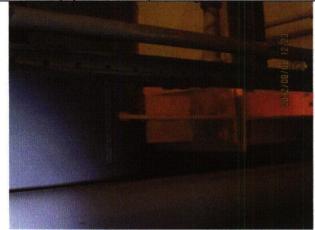
Sheet 6 of 10

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5202

Equipment Class: (21) Tanks and Heat Exchangers



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20120808-QuadCities-2 243



20120808-QuadCities-2 245

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5202

Equipment Class: (21) Tanks and Heat Exchangers



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20120808-QuadCities-2 248



20120808-QuadCities-2 247

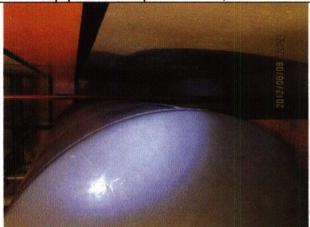


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Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5202

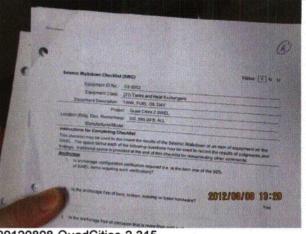
Equipment Class: (21) Tanks and Heat Exchangers



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20120808-QuadCities-2 315



20120808-QuadCities-2 317

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5202

Equipment Class: (21) Tanks and Heat Exchangers



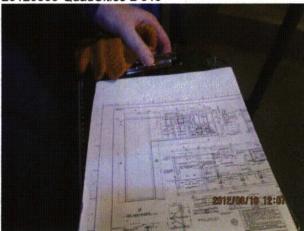
20120808-QuadCities-2 318



20120808-QuadCities-2 320



20120808-QuadCities-2 319



20120810-QuadCities-2 229

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5202

Equipment Class: (21) Tanks and Heat Exchangers



20120810-QuadCities-2 230



20120810-QuadCities-2 232



20120810-QuadCities-2 231



20120810-QuadCities-2 233

Quad Cities Generating Station Unit 2 12Q0108.40-R-002, Rev. 3 Correspondence No.: RS-12-169 Sheet 1 of 6

Seismic Walkdown Checklist (SWC)	Y N U
Equipment ID No.: 1/2-5203	
Equipment Class: (5) Horizontal Pumps	
Equipment Description: FEDG FUEL OIL TRANSFER PUMP	
Project: Quad Cities 2 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 of 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.	
<u>Anchorage</u>	
 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
Minor shrinkage cracks in floor judged to be acceptable.	
 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

Quad Cities Generating Station Unit 2 12Q0108.40-R-002, Rev. 3 Correspondence No.: RS-12-169 Sheet 2 of 6

		Status: Y N U
Seismic Walkdown Checklist	(SWC)	
Equipment ID No.:	1/2-5203	
Equipment Class:	(5) Horizontal Pumps	
Equipment Description:	FEDG FUEL OIL TRANSFER PUMP	
Interaction Effects		
7. Are soft targets free fro	m impact by nearby equipment or structures?	Yes
•		
masonry block walls no	nt, distribution systems, ceiling tiles and lighting, ar ot likely to collapse onto the equipment? s judged to be acceptable.	nd Yes
	,	· ·
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
40 Baradan Harabana	to the second	. Vaa
	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
	•	
Other Adverse Conditions		, <u>, , , , , , , , , , , , , , , , , , </u>
	nd found no adverse seismic conditions that could	Yes
adversely affect the sa	fety functions of the equipment?	• *
<u>Comments</u>		
SEWS Anchorage Notes:		•
Small pump on a 27" long by 12 bolts.	2" wide skid is anchored through a 2-1/2" high grou	it pad with four 1/2" CIP

Seismic Walkdown Team: J. G	riffith & M. Wodarcyk - 8/8/2012	
Evaluated by:	村 James Griffith	Date: 10/4/2012
Michael	J. Wodnigh	
J 0	Michael Wodarcyk	10/4/2012

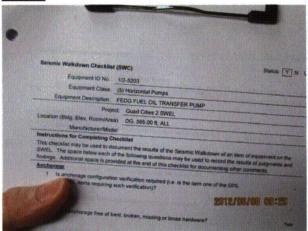
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5203

Equipment Class: (5) Horizontal Pumps

Equipment Description: FEDG FUEL OIL TRANSFER PUMP

Photos



20120808-QuadCities-2 085



20120808-QuadCities-2 088



20120808-QuadCities-2 086



Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5203

Equipment Class: (5) Horizontal Pumps

Equipment Description: FEDG FUEL OIL TRANSFER PUMP



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20120808-QuadCities-2 091



20120808-QuadCities-2 090



20120808-QuadCities-2 092

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5203

Equipment Class: (5) Horizontal Pumps

Equipment Description: FEDG FUEL OIL TRANSFER PUMP



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20120808-QuadCities-2 095



20120808-QuadCities-2 094



20120808-QuadCities-2 096

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5203

Equipment Class: (5) Horizontal Pumps

Equipment Description: FEDG FUEL OIL TRANSFER PUMP





20120808-QuadCities-2 098

Quad Cities Generating Station Unit 2 12Q0108.40-R-002, Rev. 3 Correspondence No.: RS-12-169 Sheet 1 of 9

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1/2-5727	•
Equipment Class: (9) Fans	
Equipment Description: FAN, ROOM VENTILAT EDG ROOM VENT FAN (LARG	GE FAN)
Project: Quad Cities 2 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 SWEL. The space below each of the following questions may be used to record the resultings. Additional space is provided at the end of this checklist for documenting other of the space is provided at the end of this checklist for documenting other of the space is provided at the end of this checklist for documenting other of the space is provided at the end of this checklist for documenting other of the space is provided at the end of this checklist for document in the space is provided at the end of this checklist for document in the space is provided at the end of this checklist for document in the space is provided at the end of this checklist for document in the space is provided at the end of this checklist for document in the space is provided at the end of this checklist for document in the space is provided at the end of this checklist for document in the space is provided at the end of this checklist for document in the space is provided at the end of this checklist for document in the space is provided at the end of this checklist for document in the space is provided at the end of this checklist for document in the space is provided at the end of this checklist for document in the space is provided at the end of this checklist for document in the space is provided at the end of the end	ults of judgments and
<u>Anchorage</u>	
 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
Is the anchorage free of visible cracks in the concrete near the anchors? Minor shrinkage cracks in ceiling judged to be acceptable.	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
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Quad Cities Generating Station Unit 2 12Q0108.40-R-002, Rev. 3 Correspondence No.: RS-12-169 Sheet 2 of 9

Seismic Walkdown Check	dist (SWC)	Status: Y N U
Equipment ID N	o 1/2-5727	
Equipment Cla		, , , , , , , , , , , , , , , , , , , ,
	•	L (LADOE EAN)
Interaction Effects	on: FAN, ROOM VENTILAT EDG ROOM VENT FAN	(LARGE PAIN)
	e from impact by nearby equipment or structures?	Yes
	• •	
		·
masonry block wall	oment, distribution systems, ceiling tiles and lighting, and some some some some some some some some	nd Yes
e .		
9. Do attached lines h	ave adequate flexibility to avoid damage?	Yes
		·
		•
	e seismic interaction evaluations, is equipment free of seismic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked fo	or and found no adverse seismic conditions that could be safety functions of the equipment?	Yes
		÷
	· · · · · · · · · · · · · · · · · · ·	
<u>Comments</u> SEWS Anchorage Notes:		· .
Fan within large duct suppo	orted by 4 rod hangers from ceiling. Fan also braced h	orizontally and has flexible

Seismic Walkdown Team: .	J. Griffith & M. Wodarcyk - 8/8/2012	
Evaluated by:	James Griffith	Doto: 10/4/2012
Evaluated by:	I A Walnus k	Date: 10/4/2012
Mun	Michael Wodarcyk	10/4/2012

Sheet 3 of 9

Status: Y N U

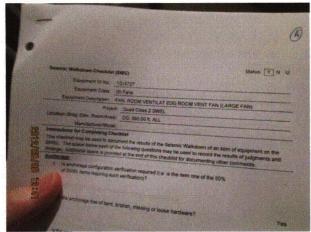
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5727

Equipment Class: (9) Fans

Equipment Description: FAN, ROOM VENTILAT EDG ROOM VENT FAN (LARGE FAN)

Photos



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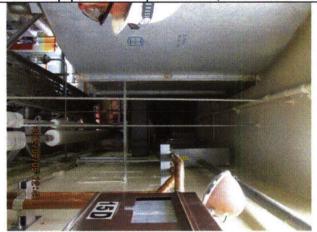
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5727

Equipment Class: (9) Fans

Equipment Description: FAN, ROOM VENTILAT EDG ROOM VENT FAN (LARGE FAN)



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20120808-QuadCities-2 260



20120808-QuadCities-2 262

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5727

Equipment Class: (9) Fans

Equipment Description: FAN, ROOM VENTILAT EDG ROOM VENT FAN (LARGE FAN)



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20120808-QuadCities-2 266

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5727

Equipment Class: (9) Fans



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20120808-QuadCities-2 268



20120808-QuadCities-2 270

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5727

Equipment Class: (9) Fans



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20120808-QuadCities-2 272



20120808-QuadCities-2 274

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5727

Equipment Class: (9) Fans



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Quad Cities Generating Station Unit 2 12Q0108.40-R-002, Rev. 3 Correspondence No.: RS-12-169 Sheet 9 of 9

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-5727

Equipment Class: (9) Fans



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Quad Cities Generating Station Unit 2 _12Q0108.40-R-002, Rev. 3 Correspondence No.: RS-12-169 Sheet 1 of 11

Status: Y N Seismic Walkdown Checklist (SWC)	U
Equipment ID No.: 1/2-6601	_
Equipment Class: (17) Engine-Generators	_
Equipment Description: DG, UNIT 1/2	
Project: Quad Cities 2 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.	
<u>Anchorage</u>	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	}
2. Is the anchorage free of bent, broken, missing or loose hardware?	>
1 of 14 anchors is missing. Per Unit 1 enveloping anchorage analysis, minimum anchor safety factor for 14 anchor-configuration is greater than 9. Therefore, configuration with 1 anchor missing is judged to be acceptable. See IR 1398529.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Ye	3
4. Is the anchorage free of visible cracks in the concrete near the anchors?	3
Minor shrinkage cracks in floor judged to be acceptable.	
 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.) 	3
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Ye	3

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Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1/2-6601 Equipment Class: (17) Engine-Generators Equipment Description: DG, UNIT 1/2 **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 Yes masonry block walls not likely to collapse onto the equipment? All lighting fixtures well-supported. No masonry wall or lighting concerns. 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** Yes Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Small number of hanger rods with minor bends judged to be acceptable. Comments **SEWS Anchorage Notes:** Anchored by 14 cast-in-place 1.25" diameter bolts. Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 8/8/2012 Evaluated by: James Griffith Date: 10/16/2012 10/16/2012 Michael Wodarcyk

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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-6601

Equipment Class: (17) Engine-Generators

Equipment Description: DG, UNIT 1/2

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Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-6601

Equipment Class: _(17) Engine-Generators



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-6601

Equipment Class: (17) Engine-Generators



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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-6601

Equipment Class: (17) Engine-Generators



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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-6601

Equipment Class: (17) Engine-Generators



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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-6601

Equipment Class: _(17) Engine-Generators



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-6601

Equipment Class: (17) Engine-Generators



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-6601

Equipment Class: (17) Engine-Generators



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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-6601

Equipment Class: (17) Engine-Generators



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Quad Cities Generating Station Unit 2 12Q0108.40-R-002, Rev. 3 Correspondence No.: RS-12-169

orrespondence No.: RS-12-169 Sheet 1 of 7

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1/2-6654 Equipment Class: (21) Tanks and Heat Exchangers Equipment Description: HX, DG LUBE OIL Project: Quad Cities 2 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% No 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? 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.) Heat exchanger bolted to frame at bottom and clamped to frame at top. Frame fastened to DG skid. Yes 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1/2-6654	
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?	Yes
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
Overmode light initialise judged to be deceptable.	•
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: J. Griffith & M. Wodarcyk - 8/8/2012	
Evaluated by: James Griffith Da	ate: 10/4/2012
Michael Wodarcyk	10/4/2012
· ·	•

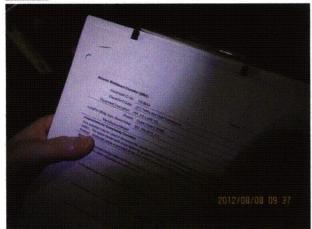
Seismic Walkdown Checklist (SWC)

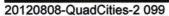
Equipment ID No.: 1/2-6654

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: HX, DG LUBE OIL

Photos







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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-6654

Equipment Class: (21) Tanks and Heat Exchangers



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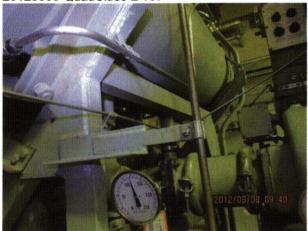
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-6654

Equipment Class: (21) Tanks and Heat Exchangers



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-6654

Equipment Class: (21) Tanks and Heat Exchangers



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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1/2-6654

Equipment Class: (21) Tanks and Heat Exchangers



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