Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 1 of 7

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: D03-5203P30	
Equipment Class: (5) Horizontal Pumps	
Equipment Description: DIESEL GENERATOR/ Fuel Oil Transfer Pump	
Project: Dresden 3 SWEL	
Location (Bldg, Elev, Room/Area): Turbine, 517.50 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 expectation. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comments.	of judgments and
Anchorage	V
 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 crack in grout pad 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

Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 2 of 7

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: D03-5203P30	
Equipment Class: (5) Horizontal Pumps	
Equipment Description: DIESEL GENERATOR/ Fuel Oil Transfer Pump	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Are overhead equipment, distribution systems, ceiling tiles and lighting, and 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
<u>Comments</u> SEWS Anchorage Notes:	
Small transfer pump anchored by four 3/8" cast-in-place anchors.	
***** Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 7/31/2012	
Evaluated by: The same of the	/30/2012

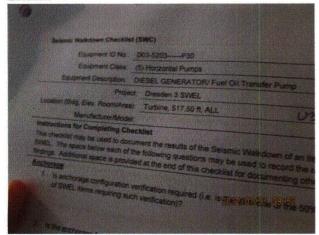
Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5203-----P30

Equipment Class: (5) Horizontal Pumps

Equipment Description: DIESEL GENERATOR/ Fuel Oil Transfer Pump

Photos



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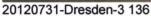
20120731-Dresden-3 134

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5203-----P30

Equipment Class: (5) Horizontal Pumps



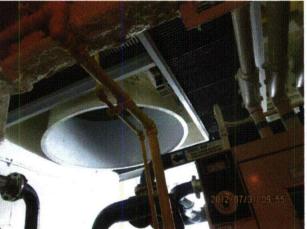




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20120731-Dresden-3 137



20120731-Dresden-3 139

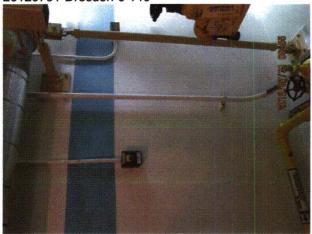
Seismic Walkdown Checklist (SWC)

Equipment ID No.: <u>D03-5203-----</u>P30

Equipment Class: (5) Horizontal Pumps



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20120731-Dresden-3 141



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: <u>D03-5203-----P30</u>

Equipment Class: (5) Horizontal Pumps



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20120731-Dresden-3 145



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Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 7 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5203-----P30

Equipment Class: (5) Horizontal Pumps



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Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 1 of 7

Seismic Walkdown Checklist (SWC)	N U
Equipment ID No.: D03-5746-AH15	
Equipment Class: (10) Air Handlers	
Equipment Description: LPCI/ LPCI Emergency Room Air Cooler	
Project: Dresden 3 SWEL	
Location (Bldg, Elev, Room/Area): Reactor, 476.50 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 th SWEL. The space below each of the following questions may be used to record the results of judgments at findings. Additional space is provided at the end of this checklist for documenting other comments.	ie nd
 Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
 Is the anchorage free of bent, broken, missing or loose hardware? Abandoned anchor hole located at least 2 anchor diameters away from one rod support in accordance with station procedures. Judged to be acceptable. 	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 underside of ceiling slab 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
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 2 of 7

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: D03-5746-AH15	
Equipment Class: (10) Air Handlers	
Equipment Description: LPCI/ LPCI Emergency Room Air Cooler	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
Cooler secured to wall. Thus, there are no relative flexibility concerns between cooler and associated piping.	
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 SEWS Anchorage Notes:	
Air cooler is hung from the ceiling with six 1/2" diameter rod hangers (3 on each side).	

Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 8/1/2012	
Evaluated by: James Griffith Date: 9	9/30/2012
	9/30/2012

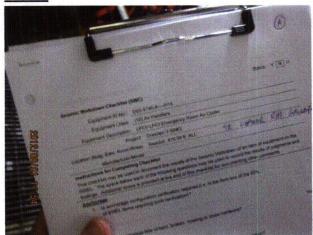
Seismic Walkdown Checklist (SWC)

Equipment ID No.: <u>D03-5746-A----H15</u>

Equipment Class: (10) Air Handlers

Equipment Description: LPCI/ LPCI Emergency Room Air Cooler

Photos



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5746-A----H15

Equipment Class: (10) Air Handlers

Equipment Description: LPCI/ LPCI Emergency Room Air Cooler





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Seismic Walkdown Checklist (SWC)

Equipment ID No.: <u>D03-5746-A----H15</u>

Equipment Class: (10) Air Handlers



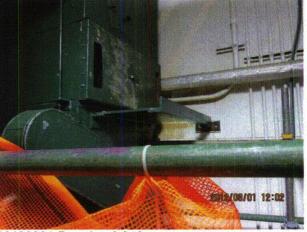
20120801-Dresden-3 245



20120801-Dresden-3 247



20120801-Dresden-3 246



20120801-Dresden-3 248

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5746-A----H15

Equipment Class: (10) Air Handlers



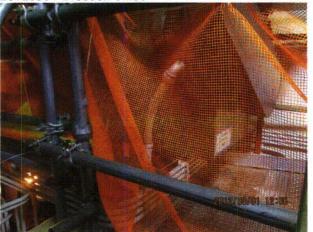
20120801-Dresden-3 249



20120801-Dresden-3 251



20120801-Dresden-3 250



20120801-Dresden-3 252

Seismic Walkdown Checklist (SWC)

Equipment ID No.: __D03-5746-A----H15

Equipment Class: (10) Air Handlers



2012/30/01

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Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 1 of 14

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: D03-5747H15	
Equipment Class: (10) Air Handlers	
Equipment Description: HPCI/ HPCI Emergency Air Cooler	
Project: Dresden 3 SWEL	
Location (Bldg, Elev, Room/Area): Reactor, 476.50 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
<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 ceiling 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

Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 2 of 14 V N H

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: D03-5747H15	
Equipment Class: (10) Air Handlers	
Equipment Description: HPCI/ HPCI Emergency Ai	r Cooler
Interaction Effects	
Are soft targets free from impact by nearby equipment	ent or structures?
Potential interaction between cooler and channel significant judged to be non-damaging and acceptable.	support of HVAC duct
 Insulated pipe for cooler touching duct judged to be 8. Are overhead equipment, distribution systems, ceilimasonry block walls not likely to collapse onto the example. 	ng tiles and lighting, and Yes
9. Do attached lines have adequate flexibility to avoid	damage? Yes
Based on the above seismic interaction evaluations potentially adverse seismic interaction effects?	s, is equipment free of Yes
Other Adverse Conditions	
Have you looked for and found no adverse seismic adversely affect the safety functions of the equipment.	
Comments SEWS Anchorage Notes:	
Air cooler is hung from the ceiling with six1/2" diameter rod	hangers (3 on each side).
****	,
Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 8/3/20	012
See U3 HPCI Room area walk-by for further information.	
Evaluated by: Ames Griffith	Date: 9/30/2012
Mishael J. Washington	0/00/0040
Michael Wod	arcyk 9/30/2012

Sheet 3 of 14

Status: Y N U

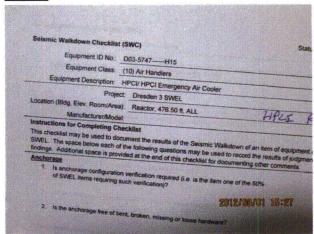
Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5747-----H15

Equipment Class: (10) Air Handlers

Equipment Description: HPCI/ HPCI Emergency Air Cooler

Photos



20120801-Dresden-3 Part 2 (142)



20120801-Dresden-3 Part 2 (144)



20120801-Dresden-3 Part 2 (143)

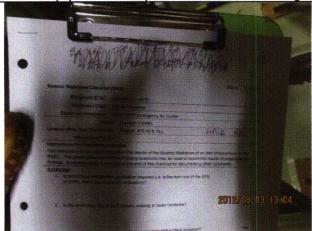


20120801-Dresden-3 Part 2 (145)

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5747-----H15

Equipment Class: (10) Air Handlers



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5747-----H15

Equipment Class: (10) Air Handlers



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5747-----H15

Equipment Class: (10) Air Handlers



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20120803-Dresden-3 180

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5747-----H15

Equipment Class: (10) Air Handlers



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20120803-Dresden-3 182



20120803-Dresden-3 184

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5747-----H15

Equipment Class: (10) Air Handlers



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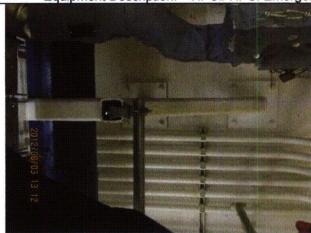


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Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5747-----H15

Equipment Class: (10) Air Handlers



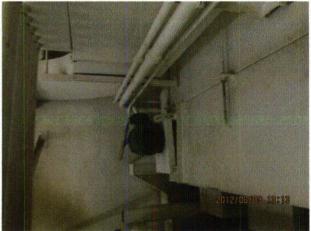
20120803-Dresden-3 189



20120803-Dresden-3 191



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5747-----H15

Equipment Class: (10) Air Handlers



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20120803-Dresden-3 194



20120803-Dresden-3 196

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5747-----H15

Equipment Class: (10) Air Handlers



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5747-----H15

Equipment Class: (10) Air Handlers



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20120803-Dresden-3 203



20120803-Dresden-3 202



20120803-Dresden-3 204

Seismic Walkdown Checklist (SWC)

Equipment ID No.: <u>D03-5747-----H15</u>

Equipment Class: (10) Air Handlers



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Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 14 of 14

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-5747-----H15

Equipment Class: (10) Air Handlers



Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 1 of 7

	U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: D03-6601G05	
Equipment Class: (17) Engine-Generators	_
Equipment Description: DIESEL GENERATOR/ Diesel Engine Driven Generator	
Project: Dresden 3 SWEL	
Location (Bldg, Elev, Room/Area): _Turbine, 517.50 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)? 	:S
Is the anchorage free of bent, broken, missing or loose hardware? Ye)S
Is the anchorage free of corrosion that is more than mild surface oxidation? Ye	es:
Is the anchorage free of visible cracks in the concrete near the anchors? Ye	? S
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.) 	es
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Ye	∍s

Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167

Sheet 2 of 7 Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: D03-6601-----G05 Equipment Class: (17) Engine-Generators Equipment Description: DIESEL GENERATOR/ Diesel Engine Driven Generator **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? Adjacent masonry wall is safety-related. Yes 9. Do attached lines have adequate flexibility to avoid damage? 10. Based on the above seismic interaction evaluations, is equipment free of Yes potentially adverse seismic interaction effects? **Other Adverse Conditions** Have you looked for and found no adverse seismic conditions that could Yes adversely affect the safety functions of the equipment? Comments **SEWS Anchorage Notes:** Anchored by 14 cast-in-place 1.25" diameter bolts. Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 7/31/2012 James Griffith Evaluated by: Date: 9/30/2012

Michael Wodarcyk

9/30/2012

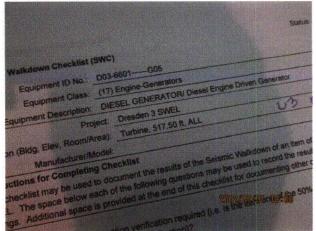
Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-6601-----G05

Equipment Class: (17) Engine-Generators

Equipment Description: DIESEL GENERATOR/ Diesel Engine Driven Generator

Photos



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-6601-----G05

Equipment Class: (17) Engine-Generators



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-6601-----G05

Equipment Class: (17) Engine-Generators



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20120731-Dresden-3 159



20120731-Dresden-3 158



20120731-Dresden-3 160

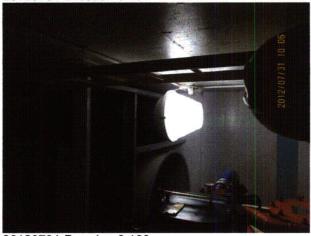
Seismic Walkdown Checklist (SWC)

Equipment ID No.: _D03-6601-----G05

Equipment Class: _(17) Engine-Generators



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Seismic Walkdown Checklist (SWC)

Equipment ID No.: __D03-6601-----G05

Equipment Class: (17) Engine-Generators



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Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 1 of 9

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: _D03-67341S35	
Equipment Class: (3) Medium Voltage Switchgear	
Equipment Description: 4160V AC/ Switchgear 34-1	10 1 10 10 10 10 10 10 10 10 10 10 10 10
Project: Dresden 3 SWEL	
Location (Bldg, Elev, Room/Area): Reactor, 545.50 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to reconfindings. Additional space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided the end of the	d the results of judgments and
Anchorage	4h - 500/
 Is anchorage configuration verification required (i.e., is the item one of of SWEL items requiring such verification)? 	the 50% 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 oxidate	ion? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors	? Yes
 Is the anchorage configuration consistent with plant documentation? (No. 1) This question only applies if the item is one of the 50% for which an an configuration verification is required.) 	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 2 of 9

			Status: Y N U
Seismic Walkdown Checklist	(SWC)		
Equipment ID No.:	D03-67341S35		
Equipment Class:	(3) Medium Voltage Switchgear		
	4160V AC/ Switchgear 34-1		
Interaction Effects			.,
7. Are soft targets free fro	m impact by nearby equipment or str	uctures?	Yes
masonry block walls no Overhead roof structu	nt, distribution systems, ceiling tiles a of likely to collapse onto the equipment are well-supported and judged to be a are judged to be acceptable.	nt?	Yes
	nd of switchgear is safety-related. adequate flexibility to avoid damage	?	Yes
	ismic interaction evaluations, is equi smic interaction effects?	pment free of	Yes
Other Adverse Conditions			
	nd found no adverse seismic condition fety functions of the equipment?	ns that could	Yes
<u>Comments</u>			
SEWS Anchorage Notes:			
Anchored by small base plates Switchgear braced back to wall	welded to switchgear and anchored l.	by 3/8" concrete expa	nsion anchors.
***** Seismic Walkdown Team: J. G	riffith & M. Wodarcyk - 8/2/2012		
Evaluated by:	James Griffith	Date: _	9/30/2012
fMipal)	y. Wadayk		
<u> </u>	Michael Wodarcyk		9/30/2012

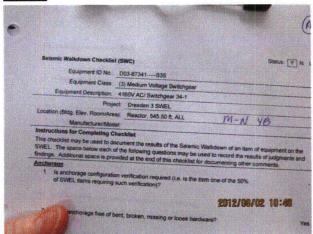
Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-67341----S35

Equipment Class: (3) Medium Voltage Switchgear

Equipment Description: 4160V AC/ Switchgear 34-1

Photos



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20120802-Dresden-3 136



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20120802-Dresden-3 137

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-67341----S35

Equipment Class: (3) Medium Voltage Switchgear



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20120802-Dresden-3 140



20120802-Dresden-3 139



20120802-Dresden-3 141

Seismic Walkdown Checklist (SWC)

Equipment ID No.: __D03-67341-----S35

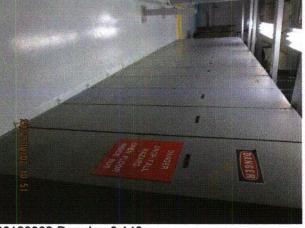
Equipment Class: (3) Medium Voltage Switchgear



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20120802-Dresden-3 144



20120802-Dresden-3 143



20120802-Dresden-3 145

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-67341----S35

Equipment Class: (3) Medium Voltage Switchgear



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20120802-Dresden-3 148



20120802-Dresden-3 147



20120802-Dresden-3 149

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-67341----S35

Equipment Class: (3) Medium Voltage Switchgear



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20120802-Dresden-3 152



20120802-Dresden-3 151



20120802-Dresden-3 153

Seismic Walkdown Checklist (SWC)

Equipment ID No.: __D03-67341-----S35

Equipment Class: (3) Medium Voltage Switchgear



20120802-Dresden-3 154



20120802-Dresden-3 156



20120802-Dresden-3 155



20120802-Dresden-3 157

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-67341----S35

Equipment Class: (3) Medium Voltage Switchgear



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20120802-Dresden-3 159



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Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 1 of 8

Seismic Walkdown Checklist (SWC)	N U
Equipment ID No.: D03-7338S35	
Equipment Class: (2) Low Voltage Switchgear	
Equipment Description: 480V AC/ Switchgear 38	
Project: Dresden 3 SWEL	
Location (Bldg, Elev, Room/Area): Reactor, 570.00 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 ar findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	Ni.
 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: Not Applic This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	able
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 2 of 8

Seismic Walkdown Checklist (SWC)		Status: Y N U
Equipment ID No.: D03-73	38\$35	
Equipment Class: (2) Low		
Equipment Description: 480V A		
Interaction Effects	er emengear co	
	t by nearby equipment or structures?	Yes
IR 1396562:		
UNPINNED SWITCHGEAR HO	ISTS	
top of SWGR 38 and one moval were found unrestrained agains	downs, two movable trolley hoists mounted on ble trolley hoist mounted on top of SWGR 39 t horizontal movement due to the restraining alled while each hoist was in the stored cated at U3, N-47, EL. 570.	
	er were informed of the condition and station the trolley hoists. Therefore, hoists are judged	
		Yes
9. Do attached lines have adequat	te flexibility to avoid damage?	Yes
Based on the above seismic interpotentially adverse seismic inter	eraction evaluations, is equipment free of raction effects?	Yes
Other Adverse Conditions		
11. Have you looked for and found adversely affect the safety funct	no adverse seismic conditions that could tions of the equipment?	Yes
Comments Seismic Walkdown Team: J. Griffith & M	1. Wodarcyk - 8/2/2012	

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-7338-----S35

Equipment Class: (2) Low Voltage Switchgear

Equipment Description: 480V AC/ Switchgear 38

Evaluated by:

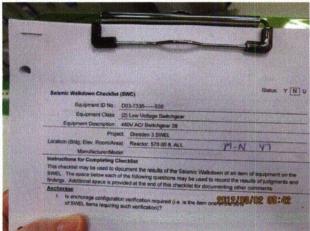
James Griffith

Date: 10/24/2012

Michael Wodarcyk

10/24/2012

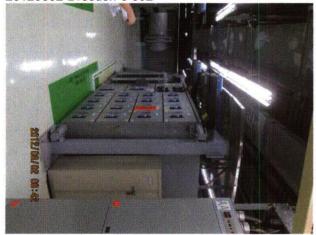
Photos



20120802-Dresden-3 032



20120802-Dresden-3 033



20120802-Dresden-3 034



20120802-Dresden-3 035

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-7338-----S35

Equipment Class: (2) Low Voltage Switchgear



20120802-Dresden-3 036



20120802-Dresden-3 038



20120802-Dresden-3 037



20120802-Dresden-3 039

Sheet 5 of 8

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-7338-----S35

Equipment Class: (2) Low Voltage Switchgear



20120802-Dresden-3 040



20120802-Dresden-3 043



20120802-Dresden-3 041

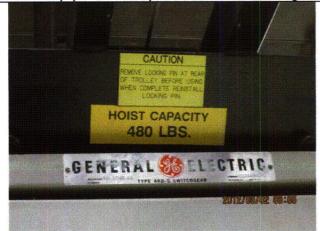


20120802-Dresden-3 044

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-7338-----S35

Equipment Class: (2) Low Voltage Switchgear



20120802-Dresden-3 045



20120802-Dresden-3 047



20120802-Dresden-3 046



20120802-Dresden-3 048

Seismic Walkdown Checklist (SWC)

Equipment ID No.: _D03-7338-----S35

Equipment Class: (2) Low Voltage Switchgear



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20120802-Dresden-3 051



20120802-Dresden-3 050



20120802-Dresden-3 052

Sheet 8 of 8

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-7338-----S35

Equipment Class: (2) Low Voltage Switchgear





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20120802-Dresden-3 054

Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 1 of 5

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: D03-7338T10	
Equipment Class: (4) Transformers	
Equipment Description: 480V AC/ Transformer 38, Feed to Switchgear 38	
Project: Dresden 3 SWEL	
Location (Bldg, Elev, Room/Area): Reactor, 570.00 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>	
 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?	Yes

Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 2 of 5

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: D03-7338T10	
Equipment Class: (4) Transformers	1.000
Equipment Description: 480V AC/ Transformer 38, Feed to Switchgear 38	
Interaction Effects7. Are soft targets free from impact by nearby equipment or structures?	Yes
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
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 - 8/2/2012 Transformer has been replaced since SQUG walkdown.	
	120/2012
Meitheal J. Woodingt	/30/2012

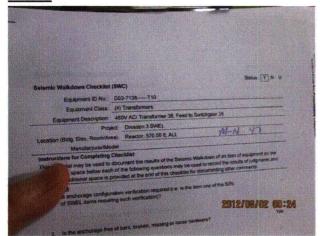
Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-7338-----T10

Equipment Class: (4) Transformers

Equipment Description: 480V AC/ Transformer 38, Feed to Switchgear 38

Photos



20120802-Dresden-3 074



20120802-Dresden-3 076



20120802-Dresden-3 075



20120802-Dresden-3 077

Sheet 4 of 5

Status: Y N U

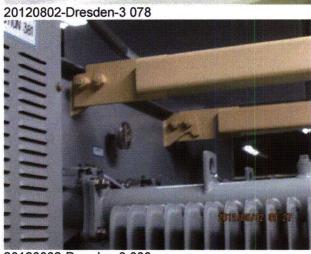
Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-7338-----T10

Equipment Class: (4) Transformers

Equipment Description: 480V AC/ Transformer 38, Feed to Switchgear 38





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20120802-Dresden-3 079



20120802-Dresden-3 081

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-7338-----T10

Equipment Class: (4) Transformers

Equipment Description: 480V AC/ Transformer 38, Feed to Switchgear 38



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20120802-Dresden-3 084



20120802-Dresden-3 083



20120802-Dresden-3 085

Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 1 of 7

Seismic Walkdown Checklist (SWC)	Status: Y N U	
Equipment ID No.: D03-7339S35		
Equipment Class: (2) Low Voltage Switchgear		
Equipment Description: 480V AC/ 480V Switchgear 39		
Project: Dresden 3 SWEL		
Location (Bldg, Elev, Room/Area): Reactor, 570.00 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)? 	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?	Yes	

Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 2 of 7

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: D03-7339S35	
Equipment Class: (2) Low Voltage Switchgear	
Equipment Description: 480V AC/ 480V Switchgear 39	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Bottom of eastern-most door at back of switchbear is bent out slightly. Door is adequately latched and judged to be acceptable.	
IR 1396562:	
UNPINNED SWITCHGEAR HOISTS	
During Fukushima seismic walkdowns, two movable trolley hoists mounted on top of SWGR 38 and one movable trolley hoist mounted on top of SWGR 39 were found unrestrained against horizontal movement due to the restraining pin for each hoist not being installed while each hoist was in the stored position. The switchgears are located at U3, N-47, EL. 570.	
 Unit supervisor and shift manager were informed of the condition and station personnel installed the pins for the trolley hoists. Therefore, hoists are judged acceptable. 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

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-7339-----S35

Equipment Class: (2) Low Voltage Switchgear

Equipment Description: 480V AC/ 480V Switchgear 39

Comments

Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 8/2/2012

Evaluated by:

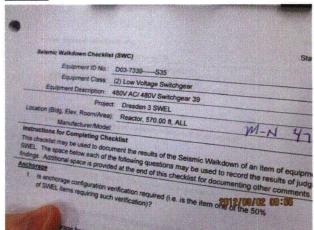
James Griffith

Date: 9/30/2012

Michael Wodarcyk

9/30/2012

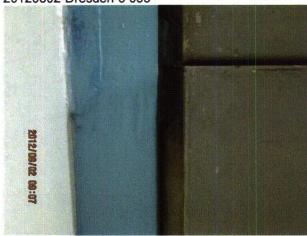
Photos



20120802-Dresden-3 055



20120802-Dresden-3 056



20120802-Dresden-3 057



20120802-Dresden-3 058

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-7339-----S35

Equipment Class: (2) Low Voltage Switchgear



20120802-Dresden-3 059



20120802-Dresden-3 061



20120802-Dresden-3 060



20120802-Dresden-3 062

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-7339-----S35

Equipment Class: (2) Low Voltage Switchgear





20120802-Dresden-3 065



20120802-Dresden-3 064



20120802-Dresden-3 066

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-7339-----S35

Equipment Class: (2) Low Voltage Switchgear



20120802-Dresden-3 067



20120802-Dresden-3 069



20120802-Dresden-3 068



20120802-Dresden-3 070

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-7339-----S35

Equipment Class: (2) Low Voltage Switchgear



20120802-Dresden-3 071



20120802-Dresden-3 072



20120802-Dresden-3 073