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

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: D03-2253-0084	
Equipment Class: (18) Instruments on Racks	
Equipment Description: INSTRUMENT RACKS/ Instrument Rack 2253-84	
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 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
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
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.:		
• •	(18) Instruments on Racks	
Interaction Effects	INSTRUMENT RACKS/ Instrument Rack 2253-84	
	m impact by nearby equipment or structures?	Yes
masonry block walls no	nt, distribution systems, ceiling tiles and lighting, and it likely to collapse onto the equipment? s are judged to be acceptable.	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
	ismic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other Adverse Conditions		
	d found no adverse seismic conditions that could ety functions of the equipment?	Yes
Comments SEWS Anchorage Notes:	·	
Distribution Panel cantilevered to the floor with four 1/2" diame	from floor on two legs each. Each leg is welded to a base ter expansion bolts.	plate that is anchored
. ****		•
Seismic Walkdown Team: J. G	iffith & M. Wodarcyk - 8/2/2012	
Evaluated by: And Mishael	ames Griffith Date:	9/30/2012
<u> </u>	Michael Wodarcyk	9/30/2012

Correspondence No.: RS-12-167 Sheet 3 of 7

Status: Y N U

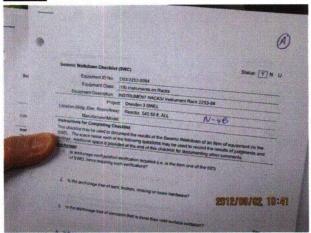
Seismic Walkdown Checklist (SWC)

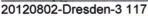
Equipment ID No.: D03-2253-0084

Equipment Class: (18) Instruments on Racks

Equipment Description: INSTRUMENT RACKS/ Instrument Rack 2253-84

Photos







20120802-Dresden-3 119



20120802-Dresden-3 118



20120802-Dresden-3 120

Sheet 4 of 7

Status: Y N U

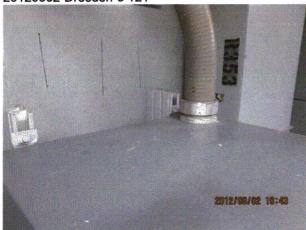
Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2253-0084

Equipment Class: (18) Instruments on Racks



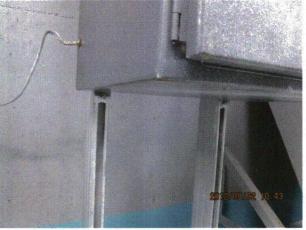
20120802-Dresden-3 121



20120802-Dresden-3 123



20120802-Dresden-3 122



20120802-Dresden-3 124

Sheet 5 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2253-0084

Equipment Class: (18) Instruments on Racks



20120802-Dresden-3 125



20120802-Dresden-3 127



20120802-Dresden-3 126



20120802-Dresden-3 128

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2253-0084

Equipment Class: (18) Instruments on Racks



20120802-Dresden-3 129



20120802-Dresden-3 131



20120802-Dresden-3 130



20120802-Dresden-3 132

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: <u>D03-2253-0084</u>

Equipment Class: (18) Instruments on Racks



20120802-Dresden-3 133

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.: D03-2301-0003-V20	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: HPCI/ Turbine Steam Line Valve	
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 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>	A.
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
	v.
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 	Not Applicable
configuration verification is required.)	
·	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
potentially adverse seistific conditions?	

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.: D03-2301-0003-V20	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: HPCI/ Turbine Steam Line Valve	
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 fixture with an open S-hook. Fixture has hard-wired cord and will not impact soft targets. Judged to be acceptable. See IR 1396017.	Yes
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 - 8/1/2012	
Evaluated by:)/30/2012
Michael Wodarcyk 9	9/30/2012

Sheet 3 of 7

Status: Y N U

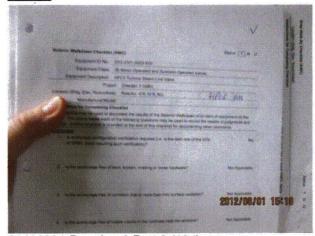
Seismic Walkdown Checklist (SWC)

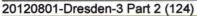
Equipment ID No.: D03-2301-0003-V20

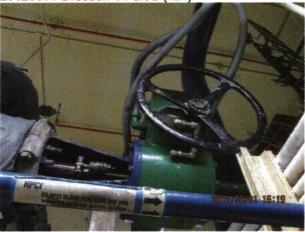
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: HPCI/ Turbine Steam Line Valve

Photos







20120801-Dresden-3 Part 2 (126)



20120801-Dresden-3 Part 2 (125)



20120801-Dresden-3 Part 2 (127)

Correspondence No.: RS-12-167 Sheet 4 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2301-0003-V20

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



20120801-Dresden-3 Part 2 (128)



20120801-Dresden-3 Part 2 (130)



20120801-Dresden-3 Part 2 (129)



20120801-Dresden-3 Part 2 (131)

Sheet 5 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2301-0003-V20

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



20120801-Dresden-3 Part 2 (132)



20120801-Dresden-3 Part 2 (134)



20120801-Dresden-3 Part 2 (133)



20120801-Dresden-3 Part 2 (135)

Correspondence No.: RS-12-167 Sheet 6 of 7

Status: Y N U

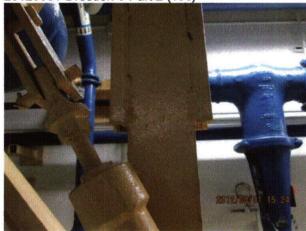
Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2301-0003-V20

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



20120801-Dresden-3 Part 2 (136)



20120801-Dresden-3 Part 2 (138)



20120801-Dresden-3 Part 2 (137)



20120801-Dresden-3 Part 2 (139)

Sheet 7 of 7

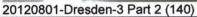
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2301-0003-V20

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







20120801-Dresden-3 Part 2 (141)

Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 1 of 6

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: D03-2301-0006-V20	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: HPCI/ Condensate Tank Supply to HPCI Pump Valve	
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 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)? 	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
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 6

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: D03-2301-0006-V20 Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves Equipment Description: HPCI/ Condensate Tank Supply to HPCI Pump Valve 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? Overhead light fixture with an open S-hook. Fixture has hard-wired cord and will not impact soft targets. Judged to be acceptable. See IR 1396017. 9. Do attached lines have adequate flexibility to avoid damage? Yes 10. Based on the above seismic interaction evaluations, is equipment free of Yes potentially adverse seismic interaction effects? Other Adverse Conditions 11. Have you looked for and found no adverse seismic conditions that could Yes adversely affect the safety functions of the equipment? Comments Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 8/1/2012 Evaluated by: James Griffith Michael Wodarcyk 9/30/2012

Status: Y N U

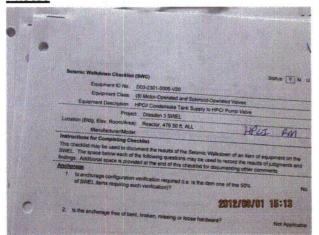
Seismic Walkdown Checklist (SWC)

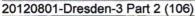
Equipment ID No.: D03-2301-0006-V20

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

Equipment Description: HPCI/ Condensate Tank Supply to HPCI Pump Valve

Photos







20120801-Dresden-3 Part 2 (108)



20120801-Dresden-3 Part 2 (107)



20120801-Dresden-3 Part 2 (109)

Correspondence No.: RS-12-167 Sheet 4 of 6

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2301-0006-V20

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

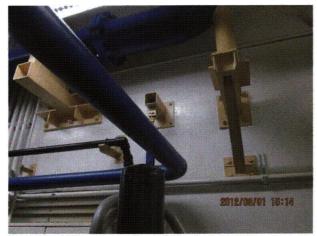
Equipment Description: HPCI/ Condensate Tank Supply to HPCI Pump Valve



20120801-Dresden-3 Part 2 (110)



20120801-Dresden-3 Part 2 (111)



20120801-Dresden-3 Part 2 (114)



20120801-Dresden-3 Part 2 (115)

Correspondence No.: RS-12-167 Sheet 5 of 6

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: <u>D03-2301-0006-V20</u>

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

Equipment Description: HPCI/ Condensate Tank Supply to HPCI Pump Valve



20120801-Dresden-3 Part 2 (116)



20120801-Dresden-3 Part 2 (118)



20120801-Dresden-3 Part 2 (117)



20120801-Dresden-3 Part 2 (119)

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: _D03-2301-0006-V20

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

Equipment Description: HPCI/ Condensate Tank Supply to HPCI Pump Valve



20120801-Dresden-3 Part 2 (120)



20120801-Dresden-3 Part 2 (122)



20120801-Dresden-3 Part 2 (121)



20120801-Dresden-3 Part 2 (123)

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.:D03-2301-0035-V20	
Equipment Class: _(8) Motor-Operated and Solenoid-Operated Va	ilves
Equipment Description: HPCI/ Suppression Pool Suction Line Valve	
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 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.	d the results of judgments and
Anchorage1. Is anchorage configuration verification required (i.e., is the item one of the item one)	the 50% No
of SWEL items requiring such verification)?	ne 30%
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 oxidati	ion? 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? (N This question only applies if the item is one of the 50% for which an anc 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.: D03-2301-0035-V20	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: HPCI/ Suppression Pool Suction Line Valve	
Interaction Effects	Vaa
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?	
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
potentially adverse seismic interaction enects:	
	<u></u>
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 Science Wolkdown Team: I. Criffith & M. Wederouk 9/1/2012	·
Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 8/1/2012	
Evaluated by:	/30/2012
Michael J. Workington	
Michael Wodarcyk 9	/30/2012

Sheet 3 of 7

Status: Y N U

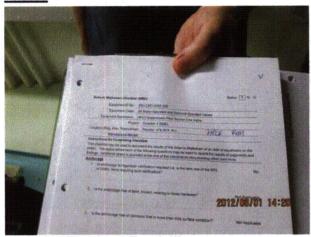
Seismic Walkdown Checklist (SWC)

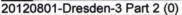
Equipment ID No.: D03-2301-0035-V20

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

Equipment Description: HPCI/ Suppression Pool Suction Line Valve

Photos







20120801-Dresden-3 Part 2 (10)



20120801-Dresden-3 Part 2 (1)



20120801-Dresden-3 Part 2 (11)

Sheet 4 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2301-0035-V20

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



20120801-Dresden-3 Part 2 (12)



20120801-Dresden-3 Part 2 (14)



20120801-Dresden-3 Part 2 (13)



20120801-Dresden-3 Part 2 (15)

Sheet 5 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2301-0035-V20

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



20120801-Dresden-3 Part 2 (16)



20120801-Dresden-3 Part 2 (2)



20120801-Dresden-3 Part 2 (17)



20120801-Dresden-3 Part 2 (3)

Sheet 6 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: <u>D03-2301-0035-V20</u>

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



20120801-Dresden-3 Part 2 (4)



2012/00/1-Dresdell-3 Falt 2 (4)

20120801-Dresden-3 Part 2 (6)



20120801-Dresden-3 Part 2 (7)

Status: Y N U

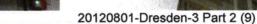
Seismic Walkdown Checklist (SWC)

20120801-Dresden-3 Part 2 (8)

Equipment ID No.: D03-2301-0035-V20

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





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.: <u>D03-2301-0057-P30</u>	
Equipment Class: (5) Horizontal Pumps	
Equipment Description: HPCI/ HPCI Turbine Cooling Water Pump	
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 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 of	e results of judgments and
<u>Anchorage</u>	•
 Is anchorage configuration verification required (i.e., is the item one of the 5 of SWEL items requiring such verification)? 	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 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 anchor 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 7

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: _ D03-2301-0057-P30	·
Equipment Class: _(5) Horizontal Pumps	
Equipment Description: HPCI/ HPCI Turbine Cooling Water 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	Yes
masonry block walls not likely to collapse onto the equipment? Overhead light fixture with an open S-hook. Fixture has hard-wired cord and will not impact soft targets. Judged to be acceptable. See IR 1396017.	
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 SEWS Anchorage Notes: Small horizontal Ingersoll pump. Bolted with three 7/8" diameter cast-in-place bolts per side	e
Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 8/1/2012	
Evaluated by: The state of the	0/30/2012
Michael Wodarcyk 9	0/30/2012

Sheet 3 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2301-0057-P30

Equipment Class: (5) Horizontal Pumps

Equipment Description: HPCI/ HPCI Turbine Cooling Water Pump

Photos



20120801-Dresden-3 Part 2 (100)



20120801-Dresden-3 Part 2 (102)



20120801-Dresden-3 Part 2 (101)



20120801-Dresden-3 Part 2 (103)

Sheet 4 of 7

Status: Y N U

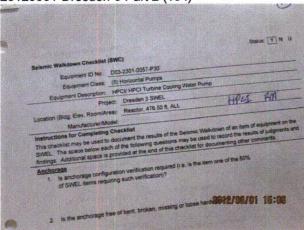
Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2301-0057-P30

Equipment Class: (5) Horizontal Pumps



20120801-Dresden-3 Part 2 (104)



20120801-Dresden-3 Part 2 (87)



20120801-Dresden-3 Part 2 (105)



20120801-Dresden-3 Part 2 (88)

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: <u>D03-2301-0057-P30</u>

Equipment Class: (5) Horizontal Pumps



20120801-Dresden-3 Part 2 (89)



20120801-Dresden-3 Part 2 (91)



20120801-Dresden-3 Part 2 (90)



20120801-Dresden-3 Part 2 (92)

Sheet 6 of 7

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2301-0057-P30

Equipment Class: (5) Horizontal Pumps



20120801-Dresden-3 Part 2 (93)



20120801-Dresden-3 Part 2 (95)



20120801-Dresden-3 Part 2 (94)



20120801-Dresden-3 Part 2 (96)

Sheet 7 of 7

Status: Y N U

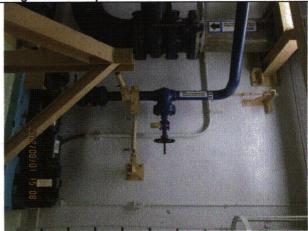
Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2301-0057-P30

Equipment Class: (5) Horizontal Pumps



20120801-Dresden-3 Part 2 (97)



20120801-Dresden-3 Part 2 (98)



20120801-Dresden-3 Part 2 (99)

Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2

Correspondence No.: RS-12-167 Sheet 1 of 9

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: D03-2302-----P30 Equipment Class: (5) Horizontal Pumps Equipment Description: HPCI/ HPCI Pump 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 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.) Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

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

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: D03-2302P30	
Equipment Class: (5) Harizantal Dumna	
Equipment Description: HPCI/ HPCI 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
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
potentially duverse esternic interdettern entertern	
	,
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
davoisory allocatio salety falloconts of the equipment.	
Comments	
Comments SEWS Anchorage Notes:	
There are four 1" diameter cast-in-place bolts per side.	
***** Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 8/1/2012	
	9/30/2012
Mishael J. Washington	
Michael Wodarcyk	9/30/2012

Sheet 3 of 9

Status: Y N U

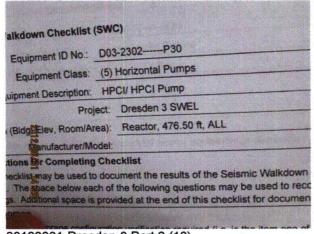
Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2302-----P30

Equipment Class: (5) Horizontal Pumps

Equipment Description: HPCI/ HPCI Pump

Photos



20120801-Dresden-3 Part 2 (18)



20120801-Dresden-3 Part 2 (20)



20120801-Dresden-3 Part 2 (19)



20120801-Dresden-3 Part 2 (21)

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2302-----P30

Equipment Class: (5) Horizontal Pumps



20120801-Dresden-3 Part 2 (22)



20120801-Dresden-3 Part 2 (24)



20120801-Dresden-3 Part 2 (23)



20120801-Dresden-3 Part 2 (25)

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2302-----P30

Equipment Class: (5) Horizontal Pumps



20120801-Dresden-3 Part 2 (26)



20120801-Dresden-3 Part 2 (28)



20120801-Dresden-3 Part 2 (27)



20120801-Dresden-3 Part 2 (29)

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2302-----P30

Equipment Class: (5) Horizontal Pumps



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20120801-Dresden-3 Part 2 (32)



20120801-Dresden-3 Part 2 (31)



20120801-Dresden-3 Part 2 (33)

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2302-----P30

Equipment Class: (5) Horizontal Pumps



20120801-Dresden-3 Part 2 (34)



20120801-Dresden-3 Part 2 (36)



20120801-Dresden-3 Part 2 (35)



20120801-Dresden-3 Part 2 (37)

Seismic Walkdown Checklist (SWC)

Equipment ID No.: _D03-2302-----P30

Equipment Class: (5) Horizontal Pumps



20120801-Dresden-3 Part 2 (38)



20120801-Dresden-3 Part 2 (40)



20120801-Dresden-3 Part 2 (39)



20120801-Dresden-3 Part 2 (41)

Sheet 9 of 9

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2302-----P30

Equipment Class: (5) Horizontal Pumps



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20120801-Dresden-3 Part 2 (43)



20120801-Dresden-3 Part 2 (44)

Dresden Generating Station Unit 3 12Q0108.30-R-002, Rev. 2 Correspondence No.: RS-12-167 Sheet 1 of 6

Status: Y N II

Seismic Walkdown Checklist (SWC)	Status. T N O
Equipment ID No.: D03-2320-GSCE-F05	·
Equipment Class: (9) Fans	
Equipment Description: HPCI/ Gland Seal Condenser Exhaust Fan	
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 example. 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.	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
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
Fan is mounted to condenser.	
 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 6

Seism	ic Walkdown Checklist	(SWC)		•		Status: Y N U
	Equipment ID No.:	D03-2320-G	SSCE-F05			
	Equipment Class:					
•	Equipment Description:		d Seal Condense	er Exhaust Fan		
Intera	ction Effects					•
7.	Are soft targets free fro	m impact by	nearby equipme	nt or structures?	>	Yes
•						•
8.	Are overhead equipme	nt. distributior	n svstems, ceilin	g tiles and lighti	ng, and	Yes
•	masonry block walls no	t likely to coll	apse onto the ed	uipment?		
	Overhead light fixture will not impact soft targ					
•	De attached lines have	adaguata fla	: Vibility to evoid d	lomana?	•	Yes
9.	Do attached lines have	adequate lie.	xibility to avoid d	amage?	•	res
	1					
					•	
10.	Based on the above se potentially adverse seis			is equipment fre	ee of	Yes
	:					
<u>Other</u>	Adverse Conditions			,	•	
11.	Have you looked for an adversely affect the safe				ould	Yes
	,	,		:		
	•					
Comn SEWS	<u>nents</u> 3 Anchorage Notes:					
	st fan 2' long and 2' in di ser with very long fillet w		to a bracket wit	h four 1/2" bolts	. The bracket	is welded to the

Seism	ic Walkdown Team: J. G	riffith & M. Wo	odarcyk - 8/1/20	12		
Evalua	ated by:	lames Griffith		. ,	Date: _ <u>_</u>	9/30/2012
	Jane /	y was great	Michael Woda	rcyk	. <u>.</u>	9/30/2012

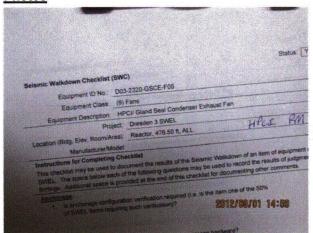
Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2320-GSCE-F05

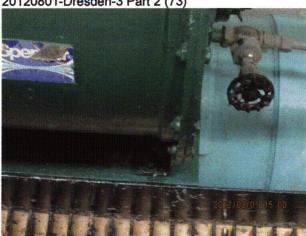
Equipment Class: (9) Fans

Equipment Description: HPCI/ Gland Seal Condenser Exhaust Fan

Photos



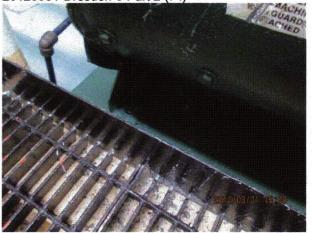
20120801-Dresden-3 Part 2 (73)



20120801-Dresden-3 Part 2 (75)



20120801-Dresden-3 Part 2 (74)



20120801-Dresden-3 Part 2 (76)

Sheet 4 of 6

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2320-GSCE-F05

Equipment Class: (9) Fans

Equipment Description: HPCI/ Gland Seal Condenser Exhaust Fan



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20120801-Dresden-3 Part 2 (79)



20120801-Dresden-3 Part 2 (78)



20120801-Dresden-3 Part 2 (80)

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2320-GSCE-F05

Equipment Class: (9) Fans

Equipment Description: HPCI/ Gland Seal Condenser Exhaust Fan



20120801-Dresden-3 Part 2 (81)



20120801-Dresden-3 Part 2 (83)



20120801-Dresden-3 Part 2 (82)



20120801-Dresden-3 Part 2 (84)

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2320-GSCE-F05

Equipment Class: (9) Fans

Equipment Description: HPCI/ Gland Seal Condenser Exhaust Fan





20120801-Dresden-3 Part 2 (86)

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

Correspondence No.: RS-12-167 Sheet 1 of 9

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: D03-2380-----PSH Equipment Class: (20) Instrumentation and Control Panels and Cabinets Equipment Description: HPCI/ HPCI Turbine Pressure Switch High 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 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% 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 Is the anchorage free of visible cracks in the concrete near the anchors? Yes Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

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

Seismic	Walkdown Checklist	(SWC)	YNU				
	Equipment ID No.:	D03-2380PSH					
		(20) Instrumentation and Control Panels and Cabinets					
E	•	HPCI/ HPCI Turbine Pressure Switch High					
	on Effects						
7.	7. Are soft targets free from impact by nearby equipment or structures?						
		nt, distribution systems, ceiling tiles and lighting, and of tikely to collapse onto the equipment?	Yes				
	Overhead light fixture	with an open S-hook. Fixture has hard-wired cord and					
,	will not impact soft targ	ets. Judged to be acceptable. See IR 1396017.					
9. 1	Do attached lines have	adequate flexibility to avoid damage?	Yes				
10. I	Based on the above se	ismic interaction evaluations, is equipment free of	Yes				
		smic interaction effects?	. 00				
Other A	dverse Conditions	· ·					
		nd found no adverse seismic conditions that could	Yes				
		fety functions of the equipment?					
• .							
Comme	nts						
Seismic	— Walkdown Team: J. G	riffith & M. Wodarcyk - 8/1/2012					
Item is n	nounted on rack 2203-	29. Rack also braced to back wall.					
1101111011	TOURISM OF THE REAL PROPERTY.						
Evaluate		ames Griffith Date: 9/30/2012					
	Michael	J. Watryk					
	1. /	Michael Wodarcyk 9/30/2012					
	•						

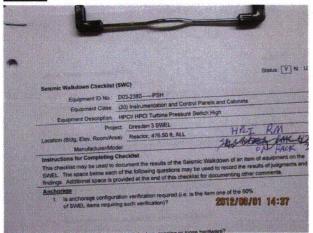
Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2380-----PSH

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

Equipment Description: HPCI/ HPCI Turbine Pressure Switch High

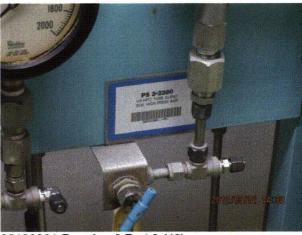
Photos



20120801-Dresden-3 Part 2 (45)



20120801-Dresden-3 Part 2 (47)



20120801-Dresden-3 Part 2 (46)



20120801-Dresden-3 Part 2 (48)

Correspondence No.: RS-12-167 Sheet 4 of 9

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2380-----PSH

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



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20120801-Dresden-3 Part 2 (51)



20120801-Dresden-3 Part 2 (50)



20120801-Dresden-3 Part 2 (52)

Sheet 5 of 9

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2380-----PSH

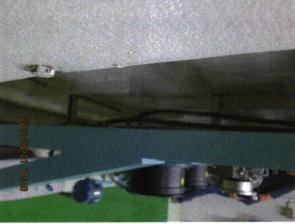
Equipment Class: (20) Instrumentation and Control Panels and Cabinets



20120801-Dresden-3 Part 2 (53)



20120801-Dresden-3 Part 2 (55)



20120801-Dresden-3 Part 2 (54)



20120801-Dresden-3 Part 2 (56)

Sheet 6 of 9

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2380-----PSH

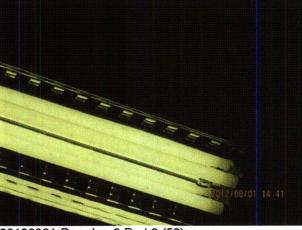
Equipment Class: (20) Instrumentation and Control Panels and Cabinets



20120801-Dresden-3 Part 2 (57)



20120801-Dresden-3 Part 2 (59)



20120801-Dresden-3 Part 2 (58)

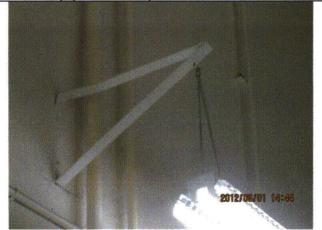


20120801-Dresden-3 Part 2 (60)

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2380-----PSH

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



20120801-Dresden-3 Part 2 (61)



20120801-Dresden-3 Part 2 (63)



20120801-Dresden-3 Part 2 (62)



20120801-Dresden-3 Part 2 (64)

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2380-----PSH

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



20120801-Dresden-3 Part 2 (65)



20120801-Dresden-3 Part 2 (67)



20120801-Dresden-3 Part 2 (66)



20120801-Dresden-3 Part 2 (68)

Seismic Walkdown Checklist (SWC)

Equipment ID No.: D03-2380-----PSH

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



20120801-Dresden-3 Part 2 (69)





20120801-Dresden-3 Part 2 (71)



20120801-Dresden-3 Part 2 (72)