Seismic Walkdown Checklist (SWC)	Status: Y N U
	·
Equipment Class: (16) Batteny Chargers and Inverters	
Equipment Description: INSTRUMENT RUS 214 INV/ERTED DIV/ 22	
Equipment Description. INSTRUMENT BUS 214 INVERTER - DIV. 22	
Project: Braidwood 2 SVVEL	· .
Location (Bidg, Elev, Room/Area): Auxiliary, 451.00 ft, ALL	
Manufacturer/Model:	·····
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 resu findings. Additional space is provided at the end of this checklist for documenting other c	of equipment on the ults of judgments and comments.
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Drawing 20E-0-3391BK Revision D Anchor spacing is 10" at 2 locations while drawing specifies 12". NSWP-S-05 allows 2 diameter relocation which would equal 10" for 1" diameter expansion anchors therefore OK. 	Yes
 Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? 	Yes

	,	Status: Y N U
Seismic Walkdown Checklis	t (SWC)	
Equipment ID No.:	2IP08E	
Equipment Class:	(16) Battery Chargers and Inverters	
Equipment Description:	INSTRUMENT BUS 214 INVERTER - DIV. 22	
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
	a de la companya de l	
8. Are overhead equipme masonry block walls no Seismic block walls	ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
No bulb guards on ligh	ts but they would not impact equipment if they fell. S&L Std E-	103 -ok
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes
	· · ·	
10. Based on the above so potentially adverse sei	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for a adversely affect the sa	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes
Comments		<u> </u>
Seismic walkdown team M. De	laney & P. Gazda 7/31/12 am	
Evaluated by:	Marlene Delaney Date: 10/	1/2012
0.0	Philip Gazda 10/	1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2IP08E	
Equipment Class:	(16) Battery Chargers and Inverters	
Equipment Description:	INSTRUMENT BUS 214 INVERTER - DIV. 22	

Photos



2IP08E (NP-6695) 7-31-12 023

2IP08E (NP-6695) 7-31-12 024

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2IP08E
Equipment Class:	(16) Battery Chargers and Inverters
Equipment Description:	INSTRUMENT BUS 214 INVERTER - DIV. 22



2IP08E (NP-6695) 7-31-12 025

2IP08E 7-31-12 020

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2IP08E	
Equipment Class:	(16) Battery Chargers and Inverters	
Equipment Description:	INSTRUMENT BUS 214 INVERTER - DIV. 22	
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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No 21Y-0606	
Equipment Class: (18) Instruments on Racks	<u>,</u>
Equipment Description: RH HX 2A OUT I/P TRANSDUCER	
Project: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area): Auxiliary, 364.00 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 ea SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comm	uipment on the f judgments and nents.
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? <i>Attached to well-anchored rack 2PL86J</i>	Yes

_

_

						Status: 🗋	N U
Seismic Walkdow	n Checklist	(SWC)				· _	
Equipm	ent ID No.:	2IY-0606					
Equipr	nent Class:	(18) Instrumen	ts on Racl	ks			
Equipment [Description:	RH HX 2A OU	T I/P TRA	NSDUCER			
Interaction Effects	2						
7. Are soft tar	gets free fro	m impact by nea	arby equip	ment or structures	?		Yes
.8. Are overhe masonry bl <i>Overhead</i>	ad equipme ock walls no I fire protecti	nt, distribution sy t likely to collaps on piping and H ¹	vstems, ce se onto the VAC is we	eiling tiles and light e equipment? Il-supported	ing, and		Yes
9. Do attache	d lines have	adequate flexibi	ility to avo	id damage?			Yes
10. Based on t potentially	he above se adverse seis	ismic interaction mic interaction e	evaluatio effects?	ns, is equipment fi	ree of		Yes
Other Adverse Co	nditions						
11. Have you k adversely a	ooked for an affect the sat	d found no adve ety functions of	erse seism the equipr	ic conditions that onent?	could		Yes
<u>Comments</u>							
Seismic walkdown	team M. Del	aney & P. Gazda	a 8/2/12 p	m			
Evaluated by:	Mailes C.a.	hych	Philip Ga	Marlene Delaney azda	Date:	10/1/2012	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2IY-0606				
Equipment Class:	(18) Instruments on Racks				
Equipment Description:	RH HX 2A OUT I/P TRANSDUCER				

Photos



2IY-606 8-2-12 049



2IY-606 8-2-12 050

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2IY-0607	
Equipment Class: (18) Instruments on Racks	·
Equipment Description: RH HX #2B OUT I/P TRANSDUCER	
Project: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area):Auxiliary, 364.00 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 results	n of equipment on the sults of judgments and
findings. Additional space is provided at the end of this checklist for documenting other	r comments.
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Well-supported rack	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.:	2IY-0607	
 Equipment Class:	(18) Instruments on Racks	
Equipment Description:	RH HX #2B OUT I/P TRANSDUCER	
Interaction Effects	······································	
7. Are soft targets free from	n impact by nearby equipment or structures?	Yes
•		
8. Are overhead equipment masonry block walls not Seismic block walls	t, distribution systems, ceiling tiles and lighting, and likely to collapse onto the equipment?	Yes
9. Do attached lines have a	adequate flexibility to avoid damage?	Yes
10. Based on the above seis potentially adverse seisn	mic interaction evaluations, is equipment free of nic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for and adversely affect the safe	found no adverse seismic conditions that could ty functions of the equipment?	Yes
Comments		
Seismic walkdown team M. Dela	ney & P. Gazda 8/2/12 pm	
AJ A		

	Mailere M Seles	7		
Evaluated by:		Marlene Delaney	Date:	10/1/2012
	C.C. Mych PI	hilip Gazda		10/1/2012

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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2IY-0607		
Equipment Class:	(18) Instruments on Racks		
Equipment Description:	RH HX #2B OUT I/P TRANSDUCER		

Photos



2IY-606 8-2-12 049



2IY-606 8-2-12 050

Status:	YN U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2MS001C	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: MS ISOL VLV LOOP 2C ASMBLY	
Project: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area): Auxiliary, 377.00 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 equipmer SWEL. The space below each of the following questions may be used to record the results of judgm findings. Additional space is provided at the end of this checklist for documenting other comments.	nt on the ents and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not	Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not	Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not	Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: Not This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	2MS001C	
Equipment Class:	(7) Fluid-Operated Valves	
Equipment Description:	MS ISOL VLV LOOP 2C ASMBLY	
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
 Are overhead equipme masonry block walls no 	nt, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
10. Based on the above se potentially adverse seis	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for an adversely affect the sa <i>Valve is robust</i>	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes
<u>Comments</u>		
Seismic walkdown team M. De	laney & P. Gazda 7/31/12 pm	
Evaluated by:	Marlene Delaney Date: 1 Marlene Delaney 1	0/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2MS001C			
Equipment Class:	(7) Fluid-Operated Valves			
Equipment Description:	MS ISOL VLV LOOP 2C ASMBLY			

Photos



2MS001C (AWB - DAMAGED ISOLATION JOINT AND WEATHER STRIP) 8-1-12 AM 008



2MS001C 8-1-12 AM 001

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2MS001C	
Equipment Class:	(7) Fluid-Operated Valves	
Equipment Description:	MS ISOL VLV LOOP 2C ASMBLY	
		College Statement and an and an and a statement of the statement of the statement of the statement of the state



2MS001C 8-1-12 AM 002



2MS001C 8-1-12 AM 003

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No : 2MS018C	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: S/G 2C PORV	<u> </u>
Project: Braidwood 2 SWEI	····
Location (Bldg, Elev, Room/Area): Auxiliary, 404.00 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 o findings. Additional space is provided at the end of this checklist for documenting other comm	uipment on the f judgments and nents.
<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: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist	(SWC)	YNU
Equipment ID No.:	2MS018C	
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description:	S/G 2C PORV	
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
 Are overhead equipme masonry block walls no 	nt, distribution systems, ceiling tiles and lighting, and of likely to collapse onto the equipment?	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
10. Based on the above se potentially adverse seis	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions 11. Have you looked for ar adversely affect the sa <i>Valve is robust</i>	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes
<u>Comments</u> Seismic walkdown team M. De	laney & P. Gazda 8/1/12 am	
Evaluated by:	Marlene Delaney Date: 10/1/2012 Marlene Delaney Date: 10/1/2012	· ·

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2MS018C
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	S/G 2C PORV

Photos



2MS018C 8-1-12 AM 004



2MS018C 8-1-12 AM 005

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2MS018C
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	S/G 2C PORV



2MS018C 8-1-12 AM 006

2MS018C 8-1-12 AM 007

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2MS018D	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: S/G 2D PORV ASMBLY	
Project: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area): Auxiliary, 401.00 ft, ALL	·
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of e SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other com	equipment on the of judgments and ments.
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2MS018D	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	 S
Equipment Description: S/G 2D PORV ASMBLY	· · · · · · · · · · · · · · · · · · ·
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, an masonry block walls not likely to collapse onto the equipment?	d 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? Valve is robust	Yes
<u>Comments</u> Seismic walkdown team M. Delaney & P. Gazda 8/1/12 am	
Evaluated by: Marlene Delaney D	Date: 10/1/2012 10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2MS018D
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	S/G 2D PORV ASMBLY

Photos



2MS018D (AWB - CHIN FALL0 8-1-12 AM 012

2MS018D 8-1-12 AM 009

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2MS018D
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	S/G 2D PORV ASMBLY



2MS018D 8-1-12 AM 010



2MS018D 8-1-12 AM 011

Status: Y N	U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2PA03J	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: PROTECTION SYSTEM CABINET (I&E Prot. Cab. CH 3)	
Project: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area): Auxiliary, 451.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% Yes of SWEL items requiring such verification)? 	S
i .	
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes	S
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes	s
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes <i>Floor is tiled</i>	S
 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.) Drawing 20E-0-3391C Revision BM Weld exceeds drawing requirement 	S
6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?	S

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		Status: Y N U
Seismic Walkdown Checklist	t (SWC)	
Equipment ID No.:	2PA03J	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	PROTECTION SYSTEM CABINET (I&E Prot. Cab. CH 3)	
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
Q Are everbeed environme	at distribution systems estimation and lighting and	Vaa
o. Are overnead equipme masonry block walls no	on, distribution systems, ceiling tiles and lighting, and optimities the equipment?	tes
No bulb guards but lig	ghts wouldn't impact equipment if they fell. S&L Std E-103 -ok	
9 Do attached lines have	a adequate flexibility to avoid damage?	Vas
5. Do attached lines have	a dequate nexionity to avoid damage :	103
		,
10. Based on the above se	eismic interaction evaluations, is equipment free of	Yes
potentially adverse sei	smic interaction effects?	
Other Adverse Conditions		
11. Have you looked for an	nd found no adverse seismic conditions that could	Yes
adversely affect the sa	fety functions of the equipment?	
Comments		· · ·
Seismic walkdown team M. De	laney & P. Gazda 7/31/12 am	
Maile	al M Selary	
N		
Evaluated by:	Marlene Delaney Date: 10/	1/2012
	A. 1	
(20	. The Philip Cordon 10/	1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2PA03J
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	PROTECTION SYSTEM CABINET (I&E Prot. Cab. CH 3)

Photos



2PA03J 7-31-12 035

2PA03J 7-31-12 036

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2PA09J	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: PROTECTION SYSTEM CABINET (SSPS Cab. Train A)	
Project: Braidwood 2 SWEL	· · · · ·
Location (Bldg, Elev, Room/Area): Auxiliary, 451.00 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 compared to the space of the space below each of the space of the space space.	quipment on the of judgments and ments.
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
Floor is tiled	
 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.) Drawing 20E-0-3391C Revision BM Weld exceeds drawing requirements 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

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Seism	ic Walkdown Checklist	(SWC)	Status: Y N U
	Equipment ID No	2200.1	
	Equipment Close:	(20) Instrumentation and Control Banala and Cabinata	
	Equipment Description:	PROTECTION SYSTEM CABINET (SSPS Cab. Train A)	
Intera	ction Effects		
1.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.	Are overhead equipmen masonry block walls no No bulb guards but lig	nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment? hts wouldn't damage equipment if they fell.S&L Std E-103 -ok	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.	Based on the above sei potentially adverse seis	smic interaction evaluations, is equipment free of mic interaction effects?	Yes
<u>Other</u>	Adverse Conditions		
11.	Have you looked for an adversely affect the saf	d found no adverse seismic conditions that could ety functions of the equipment?	Yes
Comm	nents		
Seismi	ic walkdown team M. Del	aney & P. Gazda 7/31/12 am	

Evaluated by:	Marlene Delanev	Date:	10/1/2012
	C.U. Mych Philip Gazda	2010.	10/1/2012

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.

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2PA09J	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	PROTECTION SYSTEM CABINET (SSPS Cab. Train A)	

Photos



2PA 09J (AWB -MSAC TEST PANEL) 7-31-12 039

2PA 09J (AWB -MSAC TEST PANEL) 7-31-12 040

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2PA09J	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	PROTECTION SYSTEM CABINET (SSPS Cab. Train A)	



2PA 09J (AWB -MSAC TEST PANEL) 7-31-12 041

2PA09J 7-31-12 037

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2PA09J	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	PROTECTION SYSTEM CABINET (SSPS Cab. Train A)	
		,



2PA09J 7-31-12 038

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2PA27J	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: AUX SAFEGUARD RELAY CABINET (A)	
Project: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area): Auxiliary, 451.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of e SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other com	equipment on the of judgments and iments.
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 of 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
Floor is tiled	
 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.) Drawing 20E-0-3391C Revision BM Weld exceeds drawing requirements 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No	220271	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:		
7. Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8. Are overhead equipmen masonry block walls no No bulb guards on ligh	nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment? Ints but would not damage equipment if they fell.S&L Std E-103	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
10. Based on the above se potentially adverse seis	ismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		
 Have you looked for an adversely affect the sat 	d found no adverse seismic conditions that could ety functions of the equipment?	Yes
<u>Comments</u>		
Seismic walkdown team M. Del	aney & P. Gazda 7/31/12 am	
Evaluated by:	Marlene Delaney Date: 10/1 Marlene Delaney Date: 10/1 Marlene Delaney Date: 10/1	/2012 /2012

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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2PA27J
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	AUX SAFEGUARD RELAY CABINET (A)

Photos



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2PA27J	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	AUX SAFEGUARD RELAY CABINET (A)	



2PA27J 7-31-12 044

Status: Υ N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 2PI-0633 Equipment Class: (18) Instruments on Racks Equipment Description: SFP PMP SUCTION PRESSURE INDICATOR Project: Braidwood 2 SWEL Location (Bldg, Elev, Room/Area): FH, 401.00 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)? Not Applicable 2. Is the anchorage free of bent, broken, missing or loose hardware? 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable 4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable 5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions? Rack mounted to wall Nut at 7:00 location is loose. Two other screws are tight and are more than adequate to support small weight of pressure indicator. No immediate concern. IR 1394916 was written.
Seismic Walkdow	vn Checklist (SWC)	Status: Y N U
Equipr	nent ID No.: 2PI-0633	
Equip	ment Class: (18) Instruments on Racks	· · · · · · · · · · · · · · · · · · ·
Equipment	Description: SFP PMP SUCTION PRESSURE INDICATOR	
Interaction Effect	<u>s</u>	· · ·
7. Are soft ta	rgets free from impact by nearby equipment or structures?	Yes
8. Are overho masonry b	ead equipment, distribution systems, ceiling tiles and lighting, and block walls not likely to collapse onto the equipment?	Yes
9. Do attache	ed lines have adequate flexibility to avoid damage?	Yes
10. Based on potentially	the above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?	Yes
Other Adverse C	onditions	
11. Have you adversely	looked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	Yes
<u>Comments</u>		
Seismic walkdown	e team M. Delaney & P. Gazda 7/30/12 pm	
Evaluated by:	Marlene Delaney Date: 10	0/1/2012
	C.C. Yhayoh Philip Gazda 10	0/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2PI-0633
Equipment Class:	(18) Instruments on Racks
Equipment Description:	SFP PMP SUCTION PRESSURE INDICATOR

Photos



2PI-0633 7-30-12 PM 001

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No : 2PI 07 I	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	······································
Equipment Description: 24 DG 1DG01K4 CONTROL PANEL	
Project: Braidwood 2 SWEI	
Location (Bldg, Elev, Room/Area): Auxiliary 401.00 ft Al L	· · · · · ·
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of SWEL. The space below each of the following questions may be used to record the result findings. Additional space is provided at the end of this checklist for documenting other co	f equipment on the ts of judgments and omments.
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Floor is coated	Yes
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)		Status: Y N U
Equipment ID No.:	2PL07J	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	2A DG 1DG01KA CONTROL PANEL	4
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
8. Are overhead equipme masonry block walls no Overhead HVAC well	nt, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment? -supported	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
10. Based on the above se potentially adverse seis	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions 11. Have you looked for ar adversely affect the sa	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 7/31/12 pm

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Evaluated by:	Marlene M Silvy Marlene Delaney	Date:	10/1/2012
	G.U. Mach		
	Philip Gazda	-	10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2PL07J
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	2A DG 1DG01KA CONTROL PANEL

Photos



2PL07J 7-31-12 095



2PL07J 7-31-12 096

Status: Y N U

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Equipment ID No.: 2PL08J	-
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	_
Equipment Description: 2B DG 2DG01KB	
Project: Braidwood 2 SWEL	_
Location (Bldg, Elev, Room/Area): Auxiliary, 401.00 ft, ALL	_
Manufacturer/Model:	
 Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.	
 Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% 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? 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?	

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C .:	in Malladarum Ohand		Status: Y N U	
Seism		list (SWC)		
	Equipment ID N	p.:2PL08J		
	Equipment Cla	s: (20) Instrumentation and Control Panels and Cabinets		
	Equipment Descripti	n: 2B DG 2DG01KB		
Interac	ction Effects		X	
7.	Are sont targets tree	from impact by nearby equipment or structures?	Yes	
8.	Are overhead equip	ment, distribution systems, ceiling tiles and lighting, and	Yes	
	masonry block wall	not likely to collapse onto the equipment?		
9.	Do attached lines h	ave adequate flexibility to avoid damage?	Yes	
10.	Based on the abov	seismic interaction evaluations, is equipment free of	Yes	
	potentially adverse	seismic interaction effects?		
Other	Adverse Condition			
11.	Have you looked for	and found no adverse seismic conditions that could	Yes	
	adversely affect the	safety functions of the equipment?		
	Small hairline cra	k in wall is not a structural/seismic issue		
		·		
Comments				
Seismic walkdown team M. Delaney & P. Gazda 7/31/12				
ai A				
	/pi	and M Selary		
	``	$\mathbf{}$		
Evalua	Evaluated by: Marlene Delaney Date: 10/1/12			
	Ca the also			
	0.	Philip Gazda 10)/1/12	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2PL08J
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	2B DG 2DG01KB

Photos





2PL08J 7-31-12 104

2PL08J (NP-6695)7-31-12 105

		Status: Y N U
Seismic Walkdown Checklist	(SWC)	
Equipment ID No.:	2PM05J	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	MAIN CONTROL BOARD	
Proje	ect: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Are	a): Auxiliary, 451.00 ft, ALL	
Manufacturer/Moo		
Instructions for Completing C This checklist may be used to d SWEL. The space below each findings. Additional space is pr	Checklist locument the results of the Seismic Walkdown of an item of eq of the following questions may be used to record the results o ovided at the end of this checklist for documenting other comm	uipment on the f judgments and nents.
Anchorage 1. Is anchorage configura of SWEL items requirin	tion verification required (i.e., is the item one of the 50% g such verification)?	Yes
2. Is the anchorage free of	f bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free o	f corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free o	f visible cracks in the concrete near the anchors?	Yes
 Is the anchorage config This question only application configuration verification Drawing 20E-0-3391A Calculation Detail #827 Calculation 7.16.10.2 (2000) Due to configuration of verify all the welds (from Welds that are seen and cracks, corrosion, etc. 	guration consistent with plant documentation? (Note: ies if the item is one of the 50% for which an anchorage n is required.) AN Revision U. Additional detailed information from '6 Revision B pages 2 to 6 which is input into Structural 2/13/85). The panels and the control room, it is not possible to nt/back, interior/exterior) for the control room panels. e good, matching the drawings and other inputs without Cabinets opened for inspection.	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2PM05J	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: MAIN CONTROL BOARD	
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
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? See associated area walk-by	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 Advance Conditions	·
Other Adverse Conditions 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? No structural/seismic issues	Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 7/31/12 am

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Sajamia Walkdown Chacklist			Status: Y N U
Seismic Walkdown Checklist	(SWC)		
Equipment ID No.:	2PM05J		
Equipment Class:	(20) Instrumentation and Control Panels and	nd Cabinets	
Equipment Description:	MAIN CONTROL BOARD		
Kailer Evaluated by:	Marlene Delaney	/ Date:	10/1/2012

Photos



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2PM05J
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	MAIN CONTROL BOARD





2PM05J 7-31-12 054

2PM05J 7-31-12 055

Status: Y N	U
Equipment ID No 2PM06 I	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: MAIN CONTROL BOARD	
Project: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area): Auxiliary, 451.00 ft, ALL	—
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% Yes of SWEL items requiring such verification)? 	S
2. Is the anchorage free of bent, broken, missing or loose hardware? Ye	s
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Ye	s
4. Is the anchorage free of visible cracks in the concrete near the anchors? Ye	S
 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.) Drawing 20E-0-3391AN Revision U. Additional detailed information from Calculation Detail #8276 Revision B pages 7 to 9 which is input into Structural Calculation 7.16.10.2 (2/13/85). 	S
Due to configuration of the panels and the control room, it is not possible to verify all the welds (front/back, interior/exterior) for the control room panels. Welds that are seen are good, matching the drawings and other inputs without cracks, corrosion, etc.	

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	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2PM06J	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	<u> </u>
Equipment Description: MAIN CONTROL BOARD	
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
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? <i>see associated area walk-by (AWC 13)</i>	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	<u> </u>
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
<u>Comments</u> Seismic walkdown team M. Delaney & P. Gazda 7/31/12 am	
<u> </u>	·····

						Status: Y N U
Seismic Walkdow	n Checklist	(SWC)				
Equipm	ent ID No.:	2PM06J				
Equipr	ment Class:	(20) Instrum	nentation an	d Control Panels and	Cabinets	
Equipment [Description:	MAIN CON	TROL BOAI	RD		a de la constante de
Evaluated by:	Mailes	u MA	Jany	Marlene Delaney	Date:	10/1/2012
	G.0.	Mych	Philip G	azda	_	10/1/2012

Photos



Status: Y N U

Seismic Walkdown Checklist (SWC)



Saiamia Walkdown Chaoklist (Status: Y N U
	2PM07J	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	MAIN CONTROL BOARD	
Projec	t: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area): _Auxiliary, 451.00 ft, ALL	
Manufacturer/Mode		
Instructions for Completing Cl This checklist may be used to do SWEL. The space below each o findings. Additional space is pro	ecklist cument the results of the Seismic Walkdown of an item of e f the following questions may be used to record the results vided at the end of this checklist for documenting other com	quipment on the of judgments and ments.
Anchorage		
 Is anchorage configuration of SWEL items requiring 	on verification required (i.e., is the item one of the 50% 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
5. Is the anchorage configuent This question only applie configuration verification Drawing 20E-0-3391A	ration consistent with plant documentation? (Note: s if the item is one of the 50% for which an anchorage is required.) <i>Revision F.</i>	Yes
Due to configuration of to verify all the welds (front Welds that are seen are cracks, corrosion, etc. 0 6. Based on the above and potentially adverse seisr	he panels and the control room, it is not possible to /back, interior/exterior) for the control room panels. good, matching the drawings and other inputs without Cabinets were opened to perform verification. horage evaluations, is the anchorage free of nic conditions?	Yes

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Seism	ic Walkdown Checklist	(SWC)	Status: Y N U
	Equipment ID No.:	2PM07J	
	Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
	Equipment Description:	MAIN CONTROL BOARD	
<u>-</u>			
<u>Interac</u>	ction Effects		
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.	Are overhead equipme masonry block walls no see associated area v	nt, distribution systems, ceiling tiles and lighting, and it likely to collapse onto the equipment? valk-by	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.	Based on the above se potentially adverse seis	ismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other	Adverse Conditions		
	Have you looked for an adversely affect the sat	d found no adverse seismic conditions that could ety functions of the equipment?	Yes

<u>Comments</u>

Seismic walkdown team M. Delaney & P. Gazda 7/31/12 am

					Status: Y N U
Seismic Walkdow	n Checklist	(SWC)			
Equipn	nent ID No.:	2PM07J			
Equip	ment Class:	(20) Instrumentation a	and Control Panels and	Cabinets	
Equipment	Description:	MAIN CONTROL BO	ARD		
Evaluated by:	Mailes	u Marlany	Marlene Delaney	Date:	10/1/2012
	<i>C.0</i> .	hych Philip	Gazda		10/1/2012





2PM07J 7-31-12 050

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2PM11J	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: MAIN CONTROL BOARD	
Project: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area): Auxiliary, 451.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of e SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other com	quipment on the of judgments and ments.
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
	•
2. Is the anchorage free of bent, broken, missing or loose hardware?	. Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage	Not Applicable
configuration verification is required.)	
 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.:	2PM11J	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
– Equipment Description:	MAIN CONTROL BOARD	
Interaction Effects		
7. Are soft targets free from	n impact by nearby equipment or structures?	Yes
•		
 Are overhead equipmen masonry block walls not see associated area wa 	t, distribution systems, ceiling tiles and lighting, and likely to collapse onto the equipment? alk-by	Yes
9. Do attached lines have a	adequate flexibility to avoid damage?	Yes
10. Based on the above seis potentially adverse seis	smic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for and adversely affect the safe	I found no adverse seismic conditions that could aty functions of the equipment?	Yes
<u>Comments</u> Seismic walkdown team M. Dela	aney & P. Gazda 7/31/12 am	
Mailer.	L Marlene Delaney Data: 1	

Marlene Delaney

Philip Gazda

Date: 10/1/2012

10/1/2012

Evaluated by:

C.U. Mych

C-310

Status:	Y	N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2PM11J
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	MAIN CONTROL BOARD

Photos



2PM11J 7-31-12 051

Status: Y N U

Seismic Walkdown Checklist (SWC)

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Equipment ID No.: 2P	T-0514	
Equipment Class: (18	3) Instruments on Racks	
Equipment Description: ST	M GEN LOOP 2A STEAM PRESS PR	
Project:	Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area):	Auxiliary, 377.00 ft, ALL	
Manufacturer/Model:		
Instructions for Completing Cheo	cklist	
This checklist may be used to docu SWEL. The space below each of the findings. Additional space is provid	ment the results of the Seismic Walkdown of an item of e ne following questions may be used to record the results led at the end of this checklist for documenting other com	quipment on the of judgments and ments.
Anchorage		
 Is anchorage configuration of SWEL items requiring su 	verification required (i.e., is the item one of the 50% uch verification)?	No
2. Is the anchorage free of be	nt, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of co	rrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of vis	sible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configura This question only applies i configuration verification is 	tion consistent with plant documentation? (Note: if the item is one of the 50% for which an anchorage required.)	Not Applicable
6. Based on the above ancho potentially adverse seismic <i>Well-mounted on rack tha</i>	rage evaluations, is the anchorage free of conditions? <i>t is anchored with large anchors</i>	Yes

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	2PT-0514	
- Equipment Class:	(18) Instruments on Racks	
- Equipment Description:	STM GEN LOOP 2A STEAM PRESS PR	
Interaction Effects		
7. Are soft targets free from	n impact by nearby equipment or structures?	Yes
8. Are overhead equipmen masonry block walls not	it, distribution systems, ceiling tiles and lighting, and likely to collapse onto the equipment?	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
10. Based on the above sei potentially adverse seis	smic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for and adversely affect the safe	d found no adverse seismic conditions that could ety functions of the equipment?	Yes
<u>Comments</u> Seismic walkdown team M. Dela	aney & P. Gazda 8/1/12 am	

Evaluated by: Marlene Delaney Date: 10/1/2012 C.C. Mych Philip Gazda 10/1/2012

C-313

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2PT-0514
Equipment Class:	(18) Instruments on Racks
Equipment Description:	STM GEN LOOP 2A STEAM PRESS PR

Photos



2PT-0514 (AWB) 8-1-12 AM 017

2PT-0514 8-1-12 AM 015

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2PT-0514	
Equipment Class:	(18) Instruments on Racks	
Equipment Description:	STM GEN LOOP 2A STEAM PRESS PR	



2PT-0514 8-1-12 AM 016

Status: Y U Ν Seismic Walkdown Checklist (SWC) Equipment ID No.: 2PT-0546 Equipment Class: (18) Instruments on Racks Equipment Description: STM GEN LOOP 2D STEAM PRESS PR Project: Braidwood 2 SWEL Location (Bldg, Elev, Room/Area): Auxiliary, 377.00 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? Not Applicable Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable 3. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable 4. 5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Based on the above anchorage evaluations, is the anchorage free of Yes 6. potentially adverse seismic conditions? Well mounted on rack Rack is welded to embed plate

C-316

Seismic Walkdown Checklist	: (SWC)	Status: Y N U
Equipment ID No.:	2PT-0546	·
Equipment Class:	(18) Instruments on Racks	
Equipment Description:	STM GEN LOOP 2D STEAM PRESS PR	
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
8. Are overhead equipme masonry block walls no	nt, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
10. Based on the above se potentially adverse seis	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for ar adversely affect the sa	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes
Comments		· · ·
Seismic walkdown team M. De	laney & P. Gazda 8/1/12 am	
Evaluated by:	Marlene Delaney Date:	10/1/2012

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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2PT-0546		
Equipment Class:	(18) Instruments on Racks		
Equipment Description:	STM GEN LOOP 2D STEAM PRESS PR		

Photos



2PT-0546 8-1-12 AM 013



2PT-0546 8-1-12 AM 014

	·	Status: Y N U
Seismic Walkdown Checklist (SV	VC)	
Equipment ID No. 2P	PT-0935	
Equipment Class: (18	8) Instruments on Racks	
Equipment Description: CN	NMT PRESS XMTTR	
Project:	Braidwood 2 SWEL	· · ·
Location (Bldg; Elev, Room/Area):	Auxiliary, 451.00 ft, ALL	
Manufacturer/Model:		
Instructions for Completing Chec This checklist may be used to docu SWEL. The space below each of the findings. Additional space is provide	cklist ment the results of the Seismic Walkdown of an item o he following questions may be used to record the resul led at the end of this checklist for documenting other co	f equipment on the ts of judgments and omments.
<u>Anchorage</u>		
 Is anchorage configuration of SWEL items requiring su 	verification required (i.e., is the item one of the 50% uch verification)?	No
2. Is the anchorage free of be	nt, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of co	rrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of vis	sible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configural This question only applies i configuration verification is 	tion consistent with plant documentation? (Note: if the item is one of the 50% for which an anchorage required.)	Not Applicable
6. Based on the above ancho potentially adverse seismic Instrument mounted on ra	rage evaluations, is the anchorage free of conditions?	Yes

			Status: Y N U
Seism	ic Walkdown Checklist	(SWC)	
	Equipment ID No.:	2PT-0935	
	Equipment Class:	(18) Instruments on Racks	
	Equipment Description:	CNMT PRESS XMTTR	
<u>Intera</u>	ction Effects		
7.	Are soft targets free from	n impact by nearby equipment or structures?	Yes
8.	Are overhead equipmer masonry block walls no	nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment?	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.	Based on the above se potentially adverse seis	smic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other	Adverse Conditions	needed at a second at second at a second at second at a second at second at a second at second at a se	
11.	Have you looked for an adversely affect the saf	d found no adverse seismic conditions that could ety functions of the equipment?	Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/2/12 am

	Mailere M Sel	in y			
Evaluated by:		\smile	Marlene Delaney	Date:	10/1/2012
	C.O. Mych	Philip G	azda	_	10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2PT-0935	
Equipment Class:	(18) Instruments on Racks	
Equipment Description:	CNMT PRESS XMTTR	

Photos



2PT-0935 (NP-6695) 8-2-12 026

2PT-0935 (NP-6695) 8-2-12 027

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2PT-0935	
Equipment Class:	(18) Instruments on Racks	
Equipment Description:	CNMT PRESS XMTTR	
		THE F

2PT-0935 8-2-12 024

2PT-0935 8-2-12 025

Seismic Walkdown Checklist (SWC)	Y N U
Equipment Description: PUMP,2A RESIDUAL HEAT REMOVAL ASMBLY	
Project: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area): Auxiliary, 346.00 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 judgmen findings. Additional space is provided at the end of this checklist for documenting other comments.	in the ts 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
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Drawing M-1219 Sheet 2 Revision Y Equipment is contaminated so anchor diameter not measured but visual verification performed	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

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Seismic Walkdown Checklist	(SWC)	Status: Y N U					
Equipment ID No.:	2RH01PA						
Equipment Class:	(6) Vertical Pumps						
Equipment Description:	Equipment Description: PUMP,2A RESIDUAL HEAT REMOVAL ASMBLY						
Interaction Effects							
7. Are soft targets free from impact by nearby equipment or structures? Yes							
 Are overhead equipme masonry block walls no 	ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes					
9. Do attached lines have	adequate flexibility to avoid damage?	Yes					
10. Based on the above seismic interaction evaluations, is equipment free of Yes potentially adverse seismic interaction effects?							
Other Advance Conditions							
Other Adverse Conditions 11. Have you looked for an adversely affect the sa	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes					
<u>Comments</u> Seismic walkdown team M. Delaney & P. Gazda 7/30/12 am							
Martin	ex Alb. 1						

	Mailere M Se	leny	`			
Evaluated by:		\cup	Marlene Delaney	Date:	10/1/2012	
	C.U. Mych	Philip C	Gazda		10/1/2012	

C-324

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2RH01PA
Equipment Class:	(6) Vertical Pumps
Equipment Description:	PUMP,2A RESIDUAL HEAT REMOVAL ASMBLY

Photos

2RH01PA 7-30-12 AM 032

2RH01PA 7-30-12 AM 033
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2RH01PA
Equipment Class:	(6) Vertical Pumps
Equipment Description:	PUMP,2A RESIDUAL HEAT REMOVAL ASMBLY



2RH01PA 7-30-12 AM 034



2RH01PA 7-30-12 AM 035

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2RH01PA			
Equipment Class:	(6) Vertical Pumps			
Equipment Description:	PUMP,2A RESIDUAL HEAT REMOVAL ASMBLY			ī



2RH01PA 7-30-12 AM 036

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2RH01PA-A	
Equipment Class: (21) Tanks and Heat Exchangers	· · · · · · · · · · · · · · · · · · ·
Equipment Description: RH PUMP 2A SEAL COOLER	· · ·
Project: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area): Auxiliary, 346.00 ft, ALL	
Manufacturer/Model:	· · · · · · · · · · · · · · · · · · ·
Instructions for Completing Checklist	· · · · · · · · · · · · · · · · · · ·
This checklist may be used to document the results of the Seismic Walkdown of an item of ex SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other com	quipment on the of judgments and ments.
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Mounted to skid. Well-anchored. 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No. 2RH01PA-A	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: RH PUMP 2A SEAL 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
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
<u>Comments</u> Seismic walkdown team M. Delaney & P. Gazda 7/30/12 am	
Evaluated by: Marlene Delaney Date: 10 C. U. Mych Philip Gazda 10	0/1/2012 0/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2RH01PA-A			
Equipment Class:	(21) Tanks and Heat Exchangers			
Equipment Description:	RH PUMP 2A SEAL COOLER			

Photos



2RH01PA-A 7-30-12 AM 030



2RH01PA-A 7-30-12 AM 031

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 2RH610 Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves Equipment Description: RHR PUMP 2A MINFLOW VLV ASMBLY Project: Braidwood 2 SWEL Location (Bldg, Elev, Room/Area): Auxiliary, 357.00 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? Not Applicable З. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable 4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable 5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

Seismic Walkdown Checklist	Status (SWC)	s: YNU
Equipment ID No :	2RH610	·
Equipment D No.	(8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description:	RHR PUMP 2A MINFLOW VLV ASMBLY	<u></u>
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
8. Are overhead equipme masonry block walls no Nearby block walls ar Nearby scaffolding is la damage equipment if it	nt, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment? e seismic. aterally supported with stand-offs on 3 walls. Cannot t were to move in the free direction.	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
10. Based on the above se potentially adverse sei	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for an adversely affect the sa <i>Valve is a MOV and i</i>	nd found no adverse seismic conditions that could fety functions of the equipment? <i>s robust.</i>	Yes
Comments Seismic walkdown team M. De	laney & P. Gazda 7/30/12 am	
Valve class changed from fluid	operated valve as indicated on SWEL.	
Evaluated by:	Marlene Delaney Date: 10/1/2012	2
G.0	Philip Gazda 10/1/2012	2

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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2RH610
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	RHR PUMP 2A MINFLOW VLV ASMBLY

Photos



2RH610 7-30-12 AM 018

2RH610 7-30-12 AM 019

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2RH610		
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves		
Equipment Description:	RHR PUMP 2A MINFLOW VLV ASMBLY		



2RH610 8-2-12 002

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2RH8716B	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: RH HX 2B DISCH CROSSTIE VLV ASMBLY	
Project: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area): Auxiliary, 364.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of e SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other corr	equipment on the of judgments and ments.
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

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Seism	ic Walkdown Checklist (SWC)	Status: Y]N U
	Equipment ID No.:	2RH8716B		
	- Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves		
	Equipment Description:	RH HX 2B DISCH CROSSTIE VLV ASMBLY		
Intera	ction Effects			
7.	Are soft targets free from	n impact by nearby equipment or structures?		Yes
8.	Are overhead equipmen masonry block walls not	t, distribution systems, ceiling tiles and lighting, and likely to collapse onto the equipment?	·	Yes
9.	Do attached lines have a	adequate flexibility to avoid damage?		Yes
10.	Based on the above seis potentially adverse seis	smic interaction evaluations, is equipment free of nic interaction effects?		Yes
Other	Adverse Conditions			
11.	Have you looked for and adversely affect the safe <i>Well-supported valve</i>	I found no adverse seismic conditions that could ty functions of the equipment?		Yes
Comm	nents			
Seism	ic walkdown team M. Dela	ney & P. Gazda 7/30/12 am		

F .1 11	Mailine M Silin	J-	Deter	10/1/0040
Evaluated by:	`	Marlene Delaney	Date:	10/1/2012
	C.U. Mych Phi	ilip Gazda		10/1/2012

C-336

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2RH8716B
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	RH HX 2B DISCH CROSSTIE VLV ASMBLY

Photos



C-337

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2RH8716B	
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description:	RH HX 2B DISCH CROSSTIE VLV ASMBLY	



2RH8716B 7-30-12 AM 045

Saismia Walkdown Chaoklist (Status: Y N U
Seisinic Walkdown Checklist (5446)	
Equipment ID No.:	2SI8801A	,
Equipment Class:	(7) Fluid-Operated Valves	
Equipment Description:	CHG PUMP TO COLD LEG INJ ISOL ASMBLY	
Projec	t: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area): Auxiliary, 375.00 ft, ALL	
Manufacturer/Mode	t:	
Instructions for Completing Ch This checklist may be used to do SWEL. The space below each o findings. Additional space is prov	ecklist cument the results of the Seismic Walkdown of an item of e f the following questions may be used to record the results vided at the end of this checklist for documenting other con	equipment on the of judgments and nments.
Anchorage		· .
 Is anchorage configuration of SWEL items requiring 	on verification required (i.e., is the item one of the 50% 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
5. Is the anchorage configu This question only applie configuration verification	ration consistent with plant documentation? (Note: s if the item is one of the 50% for which an anchorage is required.)	Not Applicable
 Based on the above ancl potentially adverse seism 	horage evaluations, is the anchorage free of nic conditions?	Yes

Seismic Walkdown Checklist	(SWC)	Status: Y N U
	29188010	
Equipment ID No.	(7) Eluid-Onerated Valves	
Equipment Description		· · ·
Interaction Effects		
7. Are soft targets free fro	m impact by nearby equipment or structures?	Yes
	· · · · · · · · · · · · · · · · · · ·	
8. Are overhead equipme masonry block walls no Gallery above is well-	nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment? supported	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
	· · · ·	
10. Based on the above se potentially adverse seis	ismic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for ar adversely affect the sa	d found no adverse seismic conditions that could ety functions of the equipment?	Yes
		· .
Comments		·
Seismic walkdown team M. De	aney & P. Gazda 8/2/12 am	
Maile	ie Maelenny	
Evaluated by:	Marlene Delaney Date:	10/1/2012
G.0	Mych Philip Gazda	10/1/2012

Philip Gazda

C-340

.

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2SI8801A	
Equipment Class:	(7) Fluid-Operated Valves	
Equipment Description:	CHG PUMP TO COLD LEG INJ ISOL ASMBLY	

Photos



C-341

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2SI8801A	
Equipment Class:	(7) Fluid-Operated Valves	
Equipment Description:	CHG PUMP TO COLD LEG INJ ISOL ASMBLY	
Equipment Description.	CHG FOMF TO COLD LEG INJ ISOL ASMIDET	



2SI8801A 8-2-12 017

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2SI8801B	
Equipment Class: (7) Fluid-Operated Valves	· · · · · · · · · · · · · · · · · · ·
Equipment Description: CHG PUMP TO COLD LEGS	INST ISOL VLV ASMBLY
Project: Braidwood 2 SWEL	· · · · · · · · · · · · · · · · · · ·
Location (Bldg, Elev, Room/Area): Auxiliary, 375.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Sei SWEL. The space below each of the following questions may findings. Additional space is provided at the end of this check	smic Walkdown of an item of equipment on the be used to record the results of judgments and list for documenting other comments.
Anchorage	
 Is anchorage configuration verification required (i.e., is of SWEL items requiring such verification)? 	the item one of the 50% No
2. Is the anchorage free of bent, broken, missing or loos	e hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than m	ild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete	near the anchors? Not Applicable
5. Is the anchorage configuration consistent with plant d This question only applies if the item is one of the 50% configuration verification is required.)	ocumentation? (Note: Not Applicable of or which an anchorage
6. Based on the above anchorage evaluations, is the an potentially adverse seismic conditions?	chorage free of Yes

Colomia Welledown Choolaia	4 (ONIO)	Status: Y N U
Seismic Walkdown Checklis		
Equipment ID No.:	2SI8801B	
Equipment Class:	(7) Fluid-Operated Valves	
Equipment Description:	CHG PUMP TO COLD LEGS INST ISOL VLV ASMBLY	
Interaction Effects		
7. Are soft targets free fr	om impact by nearby equipment or structures?	Yes
8. Are overhead equipme masonry block walls n Overhead gallery is w	ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment? <i>well-supported</i>	Yes
9. Do attached lines hav	e adequate flexibility to avoid damage?	Yes
10. Based on the above s potentially adverse se	eismic interaction evaluations, is equipment free of ismic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for a adversely affect the sa	nd found no adverse seismic conditions that could afety functions of the equipment?	Yes
-		
<u>Comments</u>		
Seismic walkdown team M. De	elaney & P. Gazda 8/2/12 am	
Evaluated by:	Marlene Delaney Date: Marlene Delaney Date:	10/1/2012 10/1/2012

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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2SI8801B
Equipment Class:	(7) Fluid-Operated Valves
Equipment Description:	CHG PUMP TO COLD LEGS INST ISOL VLV ASMBLY

Photos



2SI8801B 8-2-12 018



2SI8801B 8-2-12 019

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No .	25X004	
Equipment Class	(8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description:	CC HX 2 INLT VLV ASMBLY	·····
Proje	ect: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Are	a): Auxiliary, 330.00 ft, ALL	
Manufacturer/Mod	el:	· · · · · · · · · · · · · · · · · · ·
Instructions for Completing C	hecklist	
This checklist may be used to d SWEL. The space below each findings. Additional space is pro	ocument the results of the Seismic Walkdown of an item of e of the following questions may be used to record the results ovided at the end of this checklist for documenting other com	equipment on the of judgments and iments.
Anchorage	· · · · · · · · · · · · · · · · · · ·	
 Is anchorage configurat of SWEL items requiring 	ion verification required (i.e., is the item one of the 50% g such verification)?	No
2. Is the anchorage free o	f bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free o	f corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free o	f visible cracks in the concrete near the anchors?	Not Applicable
5. Is the anchorage config This question only appl configuration verificatio	uration consistent with plant documentation? (Note: ies if the item is one of the 50% for which an anchorage n is required.)	Not Applicable
 Based on the above an potentially adverse seis 	chorage evaluations, is the anchorage free of mic conditions?	Yes

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	2SX004	
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description:	CC HX 2 INLT VLV ASMBLY	
Interaction Effects 7. Are soft targets free fro	m impact by nearby equipment or structures?	Yes
 Are overhead equipmer masonry block walls no 	nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment?	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
10. Based on the above se potentially adverse seis	ismic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other Adverse Conditions 11. Have you looked for an adversely affect the sat Robust valve on well-	d found no adverse seismic conditions that could ety functions of the equipment? supported pipe	Yes

<u>Comments</u>

Seismic walkdown team M. Delaney & P. Gazda 8/1/12 pm

Evaluated by:	Marlene M Seles	Harlene Delaney	Date:	10/1/2012
·	C.U. Mych P	hilip Gazda	-	10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2SX004
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	CC HX 2 INLT VLV ASMBLY

Photos



2SX004 8-1-12 PM 015



2SX004 8-1-12 PM 016

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2SX004
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	CC HX 2 INLT VLV ASMBLY



2SX004 8-1-12 PM 017

Seismic Walkdown Checklist (S	SWC)	Status: Y N U
Equipment ID No 2	2SX005	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	· · · · · · · · · · · · · · · · · · ·
Equipment Description:	J-0 CC HX INLET VLV ASMBLY	
Project	Braidwood 2 SWEL	· · · ·
Location (Bldg, Elev, Room/Area)	: Auxiliary, 330.00 ft, ALL	
Manufacturer/Model		
Instructions for Completing Ch This checklist may be used to doo SWEL. The space below each of findings. Additional space is prov	ecklist cument the results of the Seismic Walkdown of an item of the following questions may be used to record the results rided at the end of this checklist for documenting other co	equipment on the s of judgments and mments.
Anchorage	n verification required (i.e., is the item one of the 50%	No
of SWEL items requiring	such verification)?	140
2. Is the anchorage free of t	pent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of o	corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of v	visible cracks in the concrete near the anchors?	Not Applicable
5. Is the anchorage configuration only applier configuration verification	ration consistent with plant documentation? (Note: s if the item is one of the 50% for which an anchorage is required.)	Not Applicable
Based on the above anch potentially adverse seism	norage evaluations, is the anchorage free of hic conditions?	Yes

			Status: Y N U
Seismic Walkdown Checklist	(SWC)		
Equipment ID No.:	2SX005	·	
Equipment Class:	(8) Motor-Operated and Solenoid-Operate	ed Valves	
Equipment Description:	U-0 CC HX INLET VLV ASMBLY		
Interaction Effects			
7. Are soft targets free fro	m impact by nearby equipment or structure	s?	Yes
	· .		• •
8. Are overhead equipme masonry block walls no	nt, distribution systems, ceiling tiles and ligh t likely to collapse onto the equipment?	nting, and	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	·	Yes
		· ·	·
10. Based on the above se potentially adverse seis	ismic interaction evaluations, is equipment mic interaction effects?	free of	Yes
			• •
Other Adverse Conditions			
11. Have you looked for an adversely affect the sat <i>Robust, well-supporte</i>	d found no adverse seismic conditions that ety functions of the equipment? <i>d valve</i>	could	Yes
Comments		, 	
Seismic walkdown team M. Del	aney & P. Gazda 8/1/12 pm		
Evaluated by:	L M Selesy Marlene Delane	y Date:	10/1/2012
G.a.	Mayoh Philip Gazda		10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2SX005
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	U-0 CC HX INLET VLV ASMBLY

Photos



2SX005 8-1-12 PM 021



2SX005 8-1-12 PM 022

Seismic Walkdown Checklist (SWC)		Status: Y N U
Fauinment ID No 2SX01AA		
Equipment Class: (21) Tank	s and Heat Exchangers	
Equipment Description: 2A SX PU	JMP LUBE OIL COOLER	···
Project: Braidy	wood 2 SWEL	
Location (Bldg, Elev, Room/Area): Auxilia	ary, 330.00 ft, ALL	
Manufacturer/Model:		
Instructions for Completing Checklist	······································	
This checklist may be used to document the SWEL. The space below each of the follow findings. Additional space is provided at the	e results of the Seismic Walkdown of an item of e wing questions may be used to record the results ne end of this checklist for documenting other com	equipment on the of judgments and nments.
Anchorage	· · · · · · · · · · · · · · · · · · ·	
 Is anchorage configuration verifica of SWEL items requiring such veri 	ition required (i.e., is the item one of the 50% fication)?	No
2. Is the anchorage free of bent, brok	en, 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 cra	icks in the concrete near the anchors?	Not Applicable
 Is the anchorage configuration cor This question only applies if the ite configuration verification is require 	nsistent with plant documentation? (Note: or is one of the 50% for which an anchorage d.)	Not Applicable
6. Based on the above anchorage ev potentially adverse seismic conditi Equipment is an in-line mounted	valuations, is the anchorage free of ons? cooler with no anchorage details.	Yes

_

		Status: Y N U
Seismic Walkdown Checklist	(SWC)	
Equipment ID No.:	2SX01AA	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	2A SX PUMP LUBE OIL COOLER	
Interaction Effects		
7. Are soft targets free fro	m impact by nearby equipment or structures?	Yes
 Are overhead equipme masonry block walls no 	nt, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
10. Based on the above se potentially adverse seis	sismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for ar adversely affect the sa <i>Well-supported</i> <i>IR written on compone</i>	nd found no adverse seismic conditions that could fety functions of the equipment? Int (tagged) but no impact to seismic safety functions	Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/1/12 pm

Evaluated by:	Marlene M Selesy Marlene Delaney	Date	10/1/2012	
	C.C. Mych Philip Gazda		10/1/2012	-
				-

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2SX01AA
Equipment Class:	(21) Tanks and Heat Exchangers
Equipment Description:	2A SX PUMP LUBE OIL COOLER

Photos



2SX01AA 8-1-12 PM 008



2SX01AA 8-1-12 PM 009

Seismic Walkdown Checklist (SWC)	U
Equipment Dino 23A0 IFA	_
Equipment Description: DUMD 2A ESSENTIAL SED M/TD ASMRLY	
Project: Project 2 SWEL	
Project. Draidwood 2 SWEL	-
Monufacturer/Medel:	_
nstructions 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 indings. 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	;
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 Applicable This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.))
 Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions? Well-anchored 	>

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2SX01PA	
Equipment Class: (5) Horizontal Pumps	
Equipment Description: PUMP. 2A ESSENTIAL SER WTR ASI	MBLY
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or struct	ures? 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 potentially adverse seismic interaction effects?	ent free of Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions the adversely affect the safety functions of the equipment?	hat could Yes
Comments	

	Mailere Marlery		
Evaluated by:	Marlene Delaney	_ Date:	10/1/2012
	Calle La.		
	C.C. Myerk Philip Gazda		10/1/2012

C-357

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2SX01PA			
Equipment Class:	(5) Horizontal Pumps			
Equipment Description:	PUMP, 2A ESSENTIAL SER WTR ASMBLY			

Photos



2SX01PA 8-1-12 PM 011

2SX01PA8-1-12 PM 010

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 29	SX01PA-C	, <u> </u>			
Equipment Class: (5)	: (5) Horizontal Pumps				
Equipment Description: PL	Equipment Description: PUMP, 2A SX AUX LUBE OIL PP				
Project: Braidwood 2 SWEL					
Location (Bldg, Elev, Room/Area): Auxiliary, 330.00 ft, ALL					
Manufacturer/Model:					
Instructions for Completing Chee	cklist				
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 of SWEL items requiring su 	verification required (i.e., is the item one of the 50% uch verification)?	No			
2. Is the anchorage free of be	ent, broken, missing or loose hardware?	Not Applicable			
3. Is the anchorage free of co	prrosion that is more than mild surface oxidation?	Not Applicable			
4. Is the anchorage free of vis	sible cracks in the concrete near the anchors?	Not Applicable			
 Is the anchorage configura This question only applies configuration verification is 	tion consistent with plant documentation? (Note: if the item is one of the 50% for which an anchorage required.)	Not Applicable			
6. Based on the above ancho potentially adverse seismic Equipment is mounted to	orage evaluations, is the anchorage free of c conditions? oil reservoir. Well-anchored.	Yes			

Saismia Walkdown Chasklig		Status: Y N U
Equipment ID No.:	2SX01PA-C	
Equipment Class:	(5) Horizontal Pumps	·
Equipment Description: PUMP 2A SX AUX LUBE OIL PP		
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
8. Are overhead equipme masonry block walls no	ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes
10. Based on the above se potentially adverse sei	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		•
11. Have you looked for an adversely affect the sa	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/1/12 pm

Evaluated by	Mailere M Sel	rig-	Marlene Delanev	Date	10/1/2012
Evaluated by.			Mariene Delaney	- Date.	10/1/2012
	C.O. Mych	Philip G	azda	_	10/1/2012
				-	· · · · · · · · · · · · · · · · · · ·

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2SX01PA-C	
Equipment Class:	(5) Horizontal Pumps	
Equipment Description:	PUMP, 2A SX AUX LUBE OIL PP	

Photos



2SX01PA-C 8-1-12 PM 006
Braidwood Station Unit 2 12Q0108.10-R-002 Rev. 0 Correspondence No.: RS-12-159 Sheet 1 of 4

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2SX033	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: ESSENTIAL SERVICE WTR PMP 2A CROSSTIE VLV AS	MBLY
Project: Braidwood 2 SWEL	
Location (Bldg, Elev, Room/Area): Auxiliary, 330.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of e SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other com	equipment on the of judgments and iments.
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Braidwood Station Unit 2 12Q0108.10-R-002 Rev. 0 Correspondence No.: RS-12-159 Sheet 2 of 4

Seismic Walkdown Checklist	t (SWC)	YN U
Equipment ID No.:	2SX033	
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves	· · · · · · · · · · · · · · · · · · ·
Equipment Description:	ESSENTIAL SERVICE WTR PMP 2A CROSSTIE VLV ASMBLY	
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
 Are overhead equipme masonry block walls no 	nt, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
10. Based on the above se potentially adverse seis	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for an adversely affect the sat <i>Robust, well-supporte</i>	nd found no adverse seismic conditions that could fety functions of the equipment? ad valve	Yes
<u>Comments</u> Seismic walkdown team M. Del	laney & P. Gazda 8/1/12 pm	
Mailes	re Marleny	. -
Evaluated by:	Marlene Delaney Date: 10/1/2012	
G.0.	Philip Gazda 10/1/2012	
	· · ·	

Braidwood Station Unit 2 12Q0108.10-R-002 Rev. 0 Correspondence No.: RS-12-159 Sheet 3 of 4

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2SX033
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	ESSENTIAL SERVICE WTR PMP 2A CROSSTIE VLV ASMBLY

Photos



2SX033 (NP-6695) 8-1-12 PM 020

2SX033 8-1-12 PM 018

Braidwood Station Unit 2 12Q0108.10-R-002 Rev. 0 Correspondence No.: RS-12-159 Sheet 4 of 4

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2SX033
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	ESSENTIAL SERVICE WTR PMP 2A CROSSTIE VLV ASMBLY



2SX033 8-1-12 PM 019