Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	1FC8762B	
Equipment Class:		
- Equipment Description:	U1 SPENT FUEL PIT HX OUTLET VALVE	
Proje	ct: Braidwood 1 SWEL	
Location (Bldg, Elev, Room/Area	a): FH, 401.00 ft, ALL	
Manufacturer/Mod	el:	<u> </u>
Instructions for Completing C	hecklist	
SWEL. The space below each of findings. Additional space is pro-	ocument the results of the Seismic Walkdown of an item of of the following questions may be used to record the resul ovided at the end of this checklist for documenting other co	ts of judgments and
Anchorage		. N
<ol> <li>Is anchorage configuration of SWEL items requiring</li> </ol>	ion verification required (i.e., is the item one of the 50% g 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
	uration consistent with plant documentation? (Note: es if the item is one of the 50% for which an anchorage n is required.)	Not Applicable
6. Based on the above and potentially adverse seise	chorage evaluations, is the anchorage free of mic conditions?	Yes

.

		(2)((2))	Status: Y N U
Seismic Walkdow	/n Checklist	(SWC)	
Equipr	nent ID No.:	1FC8762B	
Equip	ment Class:	(0) Other	
Equipment	Description:	U1 SPENT FUEL PIT HX OUTLET VALVE	
Interaction Effect	<u>s</u>	·	
7. Are soft ta	rgets free fro	m impact by nearby equipment or structures?	Yes
		nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment?	Yes
9. Do attache	ed lines have	adequate flexibility to avoid damage?	Yes
		ismic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other Adverse C			
adversely		d found no adverse seismic conditions that could fety functions of the equipment? ported valve.	Yes

# **Comments**

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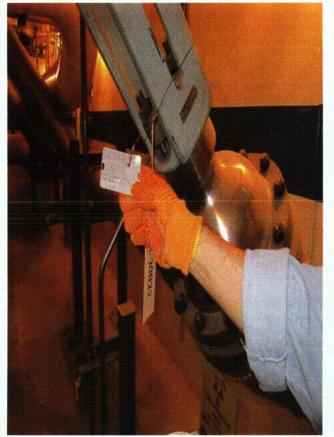
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Evaluated by:	Mailine Malery	Marlene Delaney	Date:	10/1/2012
	C.U. Mych Philip G	azda	_	10/1/2012

Status: Y N U

### Seismic Walkdown Checklist (SWC)

1FC8762B	
(0) Other	
U1 SPENT FUEL PIT HX OUTLET VALVE	
	(0) Other



1FC8762B 7-18-12 066



1FC8762B 7-18-12 067

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1FC8766	
Equipment Class: (0) Other	
Equipment Description: SPENT FUEL PIT FLTR DEMIN LOOP RTRN TO U-1 RWST	CHECK VLV
Project: Braidwood 1 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 equipse 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	judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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
<ol> <li>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.)</li> </ol>	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		Status: Y N U
	Equipment ID No.:	1FC8766	
•	Equipment Class:	(0) Other	
	Equipment Description:	SPENT FUEL PIT FLTR DEMIN LOOP RTRN TO U-1 RWST	CHECK VLV
Intera	ction Effects		
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.		nt, distribution systems, ceiling tiles and lighting, and tikely to collapse onto the equipment?	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.		ismic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other	Adverse Conditions		
11.	•	d found no adverse seismic conditions that could ety functions of the equipment? e	Yes
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	

# **Comments**

	Mailere M Su	lany		
Evaluated by:		Marlene Delaney	Date:	10/1/2012
	C.U. Mych	Philip Gazda		10/1/2012

Status:	Y	NU	J

# Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1FC8766
Equipment Class:	(0) Other
Equipment Description:	SPENT FUEL PIT FLTR DEMIN LOOP RTRN TO U-1 RWST CHECK VLV

### **Photos**



FC8766 7-19-12 Group 2 008

Seismic Walkdown Checklist (SV	NC)	Status: Y N U
Equipment ID No.: 1F	· · · · · · · · · · · · · · · · · · ·	
	) Other	
· · ·	PENT FUEL PIT PMP DISCH CHECK VALVE	. <u> </u>
Project:		
Location (Bldg, Elev, Room/Area):	· · · · · · · · · · · · · · · · · · ·	
Manufacturer/Model:		
Instructions for Completing Che	cklist	
This checklist may be used to docu SWEL. The space below each of t	ment the results of the Seismic Walkdown of an item of he following questions may be used to record the results ded at the end of this checklist for documenting other cor	s of judgments and
Anchorage		
<ol> <li>Is anchorage configuration of SWEL items requiring su</li> </ol>	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
	tion consistent with plant documentation? (Note: if the item is one of the 50% for which an anchorage required.)	Not Applicable
<ol><li>Based on the above anchor potentially adverse seismic</li></ol>	prage evaluations, is the anchorage free of conditions?	Yes

\_

		Status: Y N U		
Seismic Walkdown Checklist (SWC)				
Equipment ID No.:	1FC8793			
Equipment Class:	(0) Other			
Equipment Description:	SPENT FUEL PIT PMP DISCH CHECK VALVE			
Interaction Effects				
7. Are soft targets free free	om impact by nearby equipment or structures?	Yes		
	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		
	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 ifety functions of the equipment? fied on tag. No adverse seismic impact.	Yes		

## **Comments**

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	Marline M Selary		
Evaluated by:	Marlene Delaney	Date:	10/1/2012
	C. C. Ingch Philip Gazda	_	10/1/2012

Status:	Y	N	U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1FC8793
Equipment Class:	(0) Other
Equipment Description:	SPENT FUEL PIT PMP DISCH CHECK VALVE



1FC8793 7-18-12 072



1FC8793 7-18-12 073

Status:	Y	N	U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1FC8793
Equipment Class:	(0) Other
Equipment Description:	SPENT FUEL PIT PMP DISCH CHECK VALVE



1FC8793 7-18-12 074

Seismic Walkdown Checklist (SV	VC)	Status: Y N U
	C8794	
Equipment Class: (0)		
• · · · · · · · · · · · · · · · · ·	PENT FUEL PIT FLTR DEMIN LOOP INLT ISOL VALVE	· · · · ·
Project:		
Location (Bldg, Elev, Room/Area):	- FH, 401.00 π, ALL	
Manufacturer/Model:		
SWEL. The space below each of the	ment the results of the Seismic Walkdown of an item of e ne following questions may be used to record the results ed at the end of this checklist for documenting other com	of judgments and
Anchorage 1. Is anchorage configuration of SWEL items requiring su	verification required (i.e., is the item one of the 50% ich 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	ible cracks in the concrete near the anchors?	Not Applicable
	tion consistent with plant documentation? (Note: f the item is one of the 50% for which an anchorage required.)	Not Applicable
<ol> <li>Based on the above anchor potentially adverse seismic</li> </ol>	rage evaluations, is the anchorage free of conditions?	Yes

,

		Status: Y N U
Seismic Walkdown Checklist	(SWC)	
Equipment ID No.:	1FC8794	
Equipment Class:	(0) Other	
Equipment Description:	SPENT FUEL PIT FLTR DEMIN LOOP INLT ISOL VALVE	
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
	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
	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions	· · · · · · · · · · · · · · · · · · ·	
11. Have you looked for ar	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes

## **Comments**

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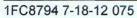
Evaluated by:	Mailere Marlene Delaney	Date:	10/1/2012
	C.U. Mych Philip Gazda		10/1/2012

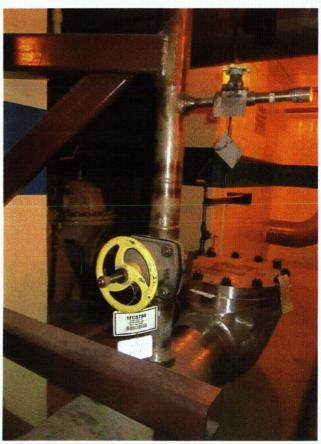
Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1FC8794
Equipment Class:	(0) Other
Equipment Description:	SPENT FUEL PIT FLTR DEMIN LOOP INLT ISOL VALVE







1FC8794 7-18-12 076

Seismic Walkdown Checklist (SWC)		Status: Y N U
Equipment ID No.: 1FT-0	101	
Equipment Class: (18) In		
	GING LINE D/P CELL FLOW XMITTR	· ······
	aidwood 1 SWEL	
Location (Bldg, Elev, Room/Area): Au	uxiliary, 364.00 ft, ALL	
Manufacturer/Model:		
Instructions for Completing Checklis	st	
SWEL. The space below each of the f	nt the results of the Seismic Walkdown of an item of e ollowing questions may be used to record the results at the end of this checklist for documenting other com	of judgments and
Anchorage	·	
<ol> <li>Is anchorage configuration ver of SWEL items requiring such</li> </ol>	ification required (i.e., is the item one of the 50% verification)?	No
2. Is the anchorage free of bent, I	broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corros	sion that is more than mild surface oxidation?	Not Applicable
. 4. Is the anchorage free of visible	e cracks in the concrete near the anchors?	Not Applicable
	consistent with plant documentation? (Note: e item is one of the 50% for which an anchorage uired.)	Not Applicable
<ol> <li>Based on the above anchorage potentially adverse seismic control</li> </ol>	e evaluations, is the anchorage free of nditions?	Yes

Instrument supported on Panel 1PL97J which is well-supported and braced

	Status: Y N U
Seismic Walkdown Checklist (SWC)	·
Equipment ID No.: 1FT-0121	
Equipment Class: (18) Instruments on Racks	
Equipment Description: CHARGING LINE D/P CELL FLOW XMITTR	
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
Overhead components including fire protection piping are well-supported.	
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?	163
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 performed week of 7/16/12 by M. Delaney & P. Gazda	

	Mailure M Sela	()		
Evaluated by:	·	Marlene Delaney	Date:	10/1/2012
	C.U. Mych	Philip Gazda	_	10/1/2012

Status:	Y	N	U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1FT-0121	
Equipment Class:	(18) Instruments on Racks	
Equipment Description:	CHARGING LINE D/P CELL FLOW XMITTR	



1FT-0121 (AWB - Housekeeping) 7-18-12 023



1FT-0121 (AWB - Housekeeping)7-18-12 024

Status: Y N U

### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FT-0121

Equipment Class: (18) Instruments on Racks

Equipment Description: CHARGING LINE D/P CELL FLOW XMITTR



1FT-0121 7-18-12 022

Status:	Υ	N	U
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## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1F	T-0132	
Equipment Class: (18	3) Instruments on Racks	
Equipment Description: LE	TDOWN FLOW D/P CELL	
Project:	Braidwood 1 SWEL	
Location (Bldg, Elev, Room/Area):	Auxiliary, 383.00 ft, ALL	
Manufacturer/Model:		
Instructions for Completing Chec	klist	
SWEL. The space below each of the	ment the results of the Seismic Walkdown of an item of ne following questions may be used to record the result ed at the end of this checklist for documenting other co	s of judgments and
Anchorage		
<ol> <li>Is anchorage configuration of SWEL items requiring su</li> </ol>	verification required (i.e., is the item one of the 50% ch 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	ible cracks in the concrete near the anchors?	Not Applicable
	tion consistent with plant documentation? (Note: f the item is one of the 50% for which an anchorage required.)	Not Applicable
<ol><li>Based on the above ancho potentially adverse seismic</li></ol>	rage evaluations, is the anchorage free of conditions?	Yes

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1FT-0132	
Equipment Class: (18) Instruments on Racks	
Equipment Description: LETDOWN FLOW D/P CELL	
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>Seismic block walls</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	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? <i>minor discoloration and deterioration near equipment</i>	Yes

#### <u>Comments</u>

	Mailere M Selary		
Evaluated by:	Marlene Delaney	Date:	10/1/2012
	C.C. Mayoh Philip Gazda		10/1/2012

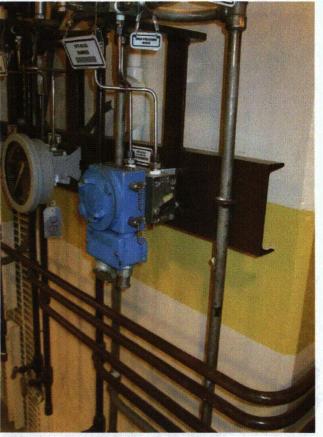
Status:	Y	N	U
	100000000000000000000000000000000000000	10,000,000,000	

### Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1FT-0132			
Equipment Class:	(18) Instruments on Racks			
Equipment Description:	LETDOWN FLOW D/P CELL			



1FTY-0132 (AWB concrete damage) 7-18-12 009



1FTY-0132 7-18-12 008

Status: Y N U

Seismic Walkdown Checklist (SWC)	5
Equipment ID No.: 1FT-AF014	
Equipment Class: (18) Instruments on Racks	
Equipment Description: AF TO SG 1B FLOW TRANSMITTER	· .
Project: Braidwood 1 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 SWEL. The space below each of the following questions may be used to record the result findings. Additional space is provided at the end of this checklist for documenting other co	s of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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 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? Instrument is securely attached to Rack 1PL84JB which is well-anchored and braced	

Seismic Walkdown Checklist (SW	C)			Status: Y	]N U
Equipment ID No.: 1FT	-AF014				
Equipment Class: (18)					
Equipment Description: AF		SMITTER			
Interaction Effects					
7. Are soft targets free from im	pact by nearby equipme	nt or structures?			Yes
8. Are overhead equipment, dis masonry block walls not like			d		Yes
9. Do attached lines have adec	quate flexibility to avoid c	lamage?			Yes
10. Based on the above seismic potentially adverse seismic i		is equipment free of			Yes
Other Adverse Conditions					
11. Have you looked for and fou adversely affect the safety fu					Yes
Comments Seismic walkdown performed week o	of 7/16/12 by M. Delane	y & P. Gazda			
Evaluated by:	Mailany ,	Marlene Delaney	Date:	10/1/2012	
Evaluated by:	hych Philip Gaze	da		10/1/2012	
Photos None					

· \_\_\_

Status:	Y	Ν	U

## Seismic Walkdown Checklist (SWC)

	Equipment ID No.: 1HS-FC001	
	Equipment Class: (18) Instruments on Racks	
	Equipment Description: SPENT FUEL PIT PUMP	
	Project: Braidwood 1 SWEL	
Locatio	tion (Bldg, Elev, Room/Area): FH, 401.00 ft, ALL	
	Manufacturer/Model:	·
Instru	uctions for Completing Checklist	
SWEL	checklist may be used to document the results of the Seismic V L. The space below each of the following questions may be us gs. Additional space is provided at the end of this checklist for	ed to record the results of judgments and
<u>Anchc</u>	orage	
1.	Is anchorage configuration verification required (i.e., is the it of SWEL items requiring such verification)?	tem one of the 50% No
2.	Is the anchorage free of bent, broken, missing or loose hard	ware? Yes
		· ·
3.	Is the anchorage free of corrosion that is more than mild sur	face oxidation? Yes
	· · ·	
4.	Is the anchorage free of visible cracks in the concrete near t	the anchors? Yes
5.	Is the anchorage configuration consistent with plant docume This question only applies if the item is one of the 50% for w	
	configuration verification is required.)	
6.		ge free of Yes
	potentially adverse seismic conditions? Anchored to seismic block wall.	

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Sajamia Walkdown Chacklist (SWC)	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.:1HS-FC001	
Equipment Class: (18) Instruments on Racks	
Equipment Description: SPENT FUEL PIT PUMP	
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?	100
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	
Other Adverse Conditions	V
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes

# **Comments**

	Mailere M Selary	<b>`</b>			
Evaluated by:	0	Marlene Delaney	Date:	10/1/2012	
	C.C. Mych Philip C	Gazda		10/1/2012	

Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No .:	1HS-FC001			_
Equipment Class:	(18) Instruments on Racks			
Equipment Description:	SPENT FUEL PIT PUMP			



1HS-FC001 7-18-12 058

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1IP02E	
Equipment Class: (4) Transformers	
Equipment Description: INSTRUMENT BUS 112 TRANSFORMER - DIV. 12	
Project: Braidwood 1 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 con	of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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
<ol> <li>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-0-3391K Revision AF</li> </ol>	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)         Equipment ID No.:       1IP02E         Equipment Class:       (4) Transformers         Equipment Description:       INSTRUMENT BUS 112 TRANSFORMER - DIV. 12         Interaction Effects       7. Are soft targets free from impact by nearby equipment or structures?       Yes
Equipment Class: (4) Transformers Equipment Description: INSTRUMENT BUS 112 TRANSFORMER - DIV. 12 Interaction Effects
Equipment Description: INSTRUMENT BUS 112 TRANSFORMER - DIV. 12 Interaction Effects
Interaction Effects
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and Yes
masonry block walls not likely to collapse onto the equipment?
Seismic block walls
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 performed week of 7/16/12 by M. Delaney & P. Gazda
Mailier MARIA
Maille M Selesy
Evaluated by: Marlene Delaney Date: 10/1/2012
Evaluated by: C.U. March Bhilip Gazda 10/1/2012
Evaluated by: Philip Gazda 10/1/2012

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Seismic Walkdown Checklist	(SWC) Status: Y N U
Equipment ID No.:	1IP02E
Equipment Class:	(4) Transformers
Equipment Description:	INSTRUMENT BUS 112 TRANSFORMER - DIV. 12





1IP02E 7-16-12 058

1IP02E 7-16-12 057

0			Status: Y N U
Seismi	c Walkdown Checklist (S)	VC)	
	Equipment ID No.: 11	P02J	
	Equipment Class: (1	4) Distribution Panels	
E	Equipment Description: 12	0 VAC INSTRUMENT BUS DISTRIBUTION PANEL 112 -	· DIV. 12
	Project:	Braidwood 1 SWEL	
Locatio	n (Bldg, Elev, Room/Area):	Auxiliary, 451.00 ft, ALL	
	Manufacturer/Model:		
Instruc	tions for Completing Che	cklist	· ·
SWEL.	The space below each of t	ment the results of the Seismic Walkdown of an item of en he following questions may be used to record the results of led at the end of this checklist for documenting other comm	of judgments and
Anchor	age		<u></u>
1.	Is anchorage configuration of SWEL items requiring so	verification required (i.e., is the item one of the 50% uch verification)?	Yes
2.	Is the anchorage free of be	nt, broken, missing or loose hardware?	Yes
3.	Is the anchorage free of co	rrosion that is more than mild surface oxidation?	Yes
4.	Is the anchorage free of vis	sible cracks in the concrete near the anchors?	Yes
	Attached to safety related	block wall.	
5.			Yes
6.	Based on the above anchor potentially adverse seismic	rage evaluations, is the anchorage free of conditions?	Yes

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		Status: Y N U
Seism	ic Walkdown Checklist (SWC)	— <u> </u>
	Equipment ID No.: 1IP02J	
	Equipment Class: (14) Distribution Panels	
	Equipment Description: 120 VAC INSTRUMENT BUS DISTRIBUTION PANEL 112	- DIV. 12
Interac	ction 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?	
	Seismic block walls	
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?	
<u> </u>		·
<u>Other</u>	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**

	Mailere M Selary		
Evaluated by:	Marlene Delaney	Date:	10/1/2012
	C.C. Mayoh Philip Gazda		10/1/2012

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Status: Y N U

Seismic	Walkdown	Checklist (	(SWC)
<b>OCIDITIIC</b>	TAINGONI	OHECKHOL	

Equipment ID No.: 1IP02J

Equipment Class: (14) Distribution Panels

Equipment Description: 120 VAC INSTRUMENT BUS DISTRIBUTION PANEL 112 - DIV. 12

<u>Photos</u>

None.

Status:	Y	Ν	U

## Seismic Walkdown Checklist (SWC)

.

•

Equipment ID No.: 1IP06E	
Equipment Class: (16) Battery Chargers and Inverters	
Equipment Description: INSTRUMENT BUS 112 INVERTER - DIV. 12	
Project: Braidwood 1 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 SWEL. The space below each of the following questions may be used to record the results of judgments findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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:	Yes
This question only applies if the item is one of the 50% for which an anchorage	165
configuration verification is required.)	
Drawing 20E-0-3391BK Revision D Detail 19271	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
potentially adverse seisme conditions:	

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1IP06E	
Equipment Class: (16) Battery Chargers and Inverters	
Equipment Description: INSTRUMENT BUS 112 INVERTER - DIV. 12	
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? Seismic block walls	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>

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	Mailere M Selary		
Evaluated by:	Marlene Delaney	Date:	10/1/2012
	C.U. Ingh Philip Gazda		10/1/2012

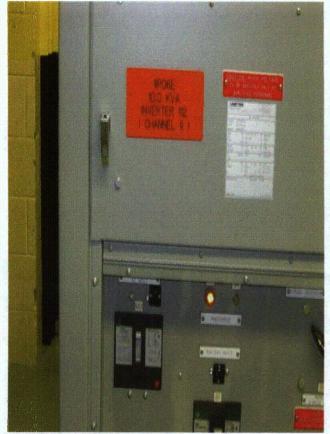
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Status: Y N U

### Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1IP06E	
Equipment Class:	(16) Battery Chargers and Inverters	
Equipment Description:	INSTRUMENT BUS 112 INVERTER - DIV. 12	

#### **Photos**



1IP06E 7-16-12 053



1IP06E 7-16-12 054

Status: Y	NU
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1IP08E	
Equipment Class: (16) Battery Chargers and Inverters	
Equipment Description: INSTRUMENT BUS 114 INVERTER - DIV. 12	
Project: Braidwood 1 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 t SWEL. The space below each of the following questions may be used to record the results of judgments a findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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:	Yes
This question only applies if the item is one of the 50% for which an anchorage	
configuration verification is required.) <i>Drawing 20E-0-3391BK Revision D Detail 19271</i>	
Drawing 202-0-339 IDK REVISION D Detail 1921 1	
6. Based on the above anchorage evaluations, is the anchorage free of	Yes
potentially adverse seismic conditions?	

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			Status: Y N U
Seisn	nic Walkdown Checklist	SWC)	
	Equipment ID No.:	1IP08E	
•	Equipment Class:	(16) Battery Chargers and Inverters	
	Equipment Description:	INSTRUMENT BUS 114 INVERTER - DIV. 12	·
Intera	ction Effects		
7.	Are soft targets free fror	n impact by nearby equipment or structures?	Yes
8.		t, 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 nic interaction effects?	Yes
Other	Adverse Conditions		
<u>0 (11)</u> 11:	Have you looked for and	I found no adverse seismic conditions that could ty functions of the equipment?	Yes

#### **Comments**

	Mailere M Selary		
Evaluated by:	Marlene Delaney	Date:	10/1/2012
	C.C. March Philip Gazda		10/1/2012

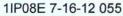
Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1IP08E
Equipment Class:	(16) Battery Chargers and Inverters
Equipment Description:	INSTRUMENT BUS 114 INVERTER - DIV. 12

#### **Photos**







1IP08E 7-16-12 056

	Status: Y N U	
· ·		

Equipment Description: REF WTR STG TK LVL D/P XMTTR Project: Braidwood 1 SWEL Location (Bldg, Elev, Room/Area): Auxiliary, 379.00 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 No 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Not Applicable 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? 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.) Yes 6. Based on the above anchorage evaluations, is the anchorage free of

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1LT-0932

potentially adverse seismic conditions?

Equipment Class: (18) Instruments on Racks

Seismic Walkdown Checklis	+ (SWIC)	Status: Y N U
Equipment ID No.:		
	(18) Instruments on Racks	
Equipment Description:	REF WTR STG TK LVL D/P XMTTR	
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
	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
	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions	· · · · · · · · · · · · · · · · · · ·	
adversely affect the sa	nd found no adverse seismic conditions that could fety functions of the equipment? ussion on water leak in tunnel	Yes
· · · · · · · · · · · · · · · · · · ·		
Comments		

Evaluated by:	Mailere M See	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.:	1LT-0932			_
Equipment Class:	(18) Instruments on Racks			_
Equipment Description:	REF WTR STG TK LVL D/P XMTTR			

## Photos



1LT-0932 (AWB - water leak from hatch) 7-19-12 017

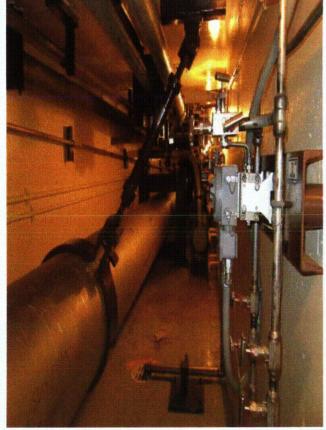


1LT-0932 7-19-12 015

Status:	Y	Ν	U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1LT-0932		
Equipment Class:	(18) Instruments on Racks		
Equipment Description:	REF WTR STG TK LVL D/P XMTTR		



1LT-0932 7-19-12 016

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1MS001A	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: MS ISOL VLV LOOP 1A ASMBLY; 30-1/4"	<u> </u>
Project: Braidwood 1 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 eq SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comm	f judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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
<ol> <li>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.)</li> </ol>	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.:	1MS001A	
Equipment Class:	(7) Fluid-Operated Valves	
Equipment Description:	MS ISOL VLV LOOP 1A ASMBLY; 30-1/4"	
Interaction Effects		
7. Are soft targets free fro	m impact by nearby equipment or structures?	Yes
	nt, distribution systems, ceiling tiles and lighting, and tikely to collapse onto the equipment?	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**

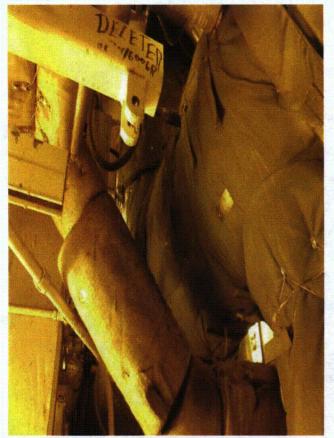
	Mailere M Selary	
Evaluated by:	Marlene Delaney Date: 10/1/20	12
	C. U. Mayoh Philip Gazda 10/1/20	12

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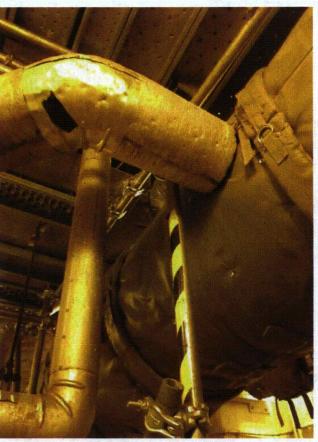
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Seismic Walkdown Checklist		atus:	Y	Ν	U
Equipment ID No.:	1MS001A	_			
Equipment Class:	(7) Fluid-Operated Valves				
Equipment Description:	MS ISOL VLV LOOP 1A ASMBLY; 30-1/4"				

## Photos



1MS001A 7-17-12 011



1MS001A 7-17-12 012

# U Status: Ν Seismic Walkdown Checklist (SWC) Equipment ID No.: 1MS018A Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves Equipment Description: S/G 1A PORV ASMBLY; 8" Project: Braidwood 1 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** 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 Not Applicable 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.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1MS018A	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: S/G 1A PORV ASMBLY; 8"	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
9 Are every advingent distribution systems, spilling tiles and lighting, and	Yes
<ol> <li>Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?</li> </ol>	Tes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
	100
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? Valve is robust.	

## <u>Comments</u>

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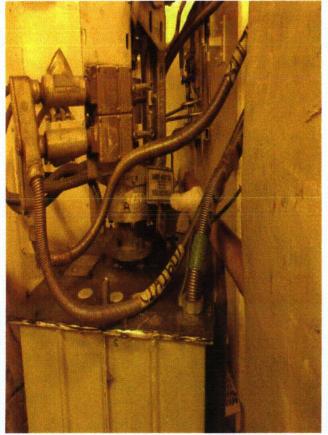
	Mailere M Selary		······································	
Evaluated by:	0	Marlene Delaney	Date:	10/1/2012
	C.U. Mych Philip	Gazda	_	10/1/2012

Status:	Y	N	U

### Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1MS018A
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	S/G 1A PORV ASMBLY; 8"

### **Photos**



1MS018A 7-17-12 008



1MS018A 7-17-12 009

Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment Class: (8) Mot Equipment Description: S/G 1A	tor-Operated and Solenoid-Operated Valves
Equipment Description: S/G 1A	A PORV ASMBLY; 8"
· Martin	

1MS018A 7-17-12 010

Seism	ic Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 1MS018B	
	Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
	Equipment Description: S/G 1B PORV ASMBLY; 8"	
	Project: Braidwood 1 SWEL	· · · · · · · · · · · · · · · · · · ·
Locatio	on (Bldg, Elev, Room/Area): Auxiliary, 401.00 ft, ALL	
	Manufacturer/Model:	
Instru	ctions for Completing Checklist	
SWEL	necklist may be used to document the results of the Seismic Walkdown of an item of e The space below each of the following questions may be used to record the results s. Additional space is provided at the end of this checklist for documenting other com	of judgments and
Ancho		
1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	· No
2.	Is the anchorage free of bent, broken, missing or loose hardware?	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 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

-

			Status: Y N U
Seism	ic Walkdown Checklist	(SWC)	
	Equipment ID No.:	1MS018B	
	Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves	
	Equipment Description:	S/G 1B PORV ASMBLY; 8"	
Interac	ction Effects		
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.	masonry block walls no Scaffolding near equip	nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment? Inment is well-supported.	Yes
	, All overhead componer	its are well-supported.	
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.		ismic interaction evaluations, is equipment free of mic interaction effects?	Yes
	Adverse Conditions		
11.	•	d found no adverse seismic conditions that could ety functions of the equipment?	Yes

### **Comments**

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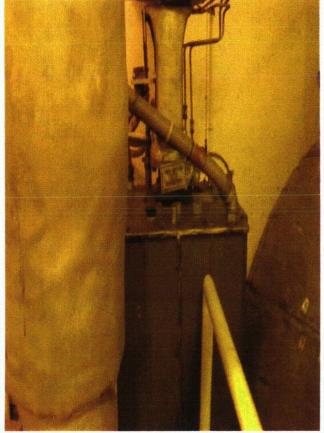
Evaluated by:	Mailere M Seles	Marlene Delaney	Date:	10/1/2012
	C.U. Mych ,		-	10/1/2012

Status: Y N U

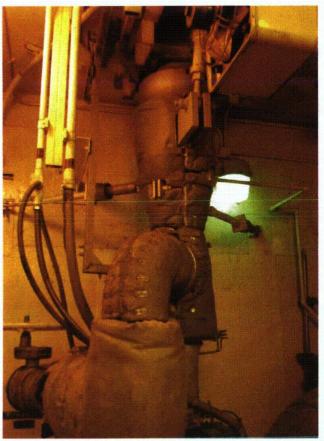
#### Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1MS018B
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	S/G 1B PORV ASMBLY; 8"

#### **Photos**



1MS018B 7-17-12 004



1MS018B 7-17-12 005

Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1MS018B

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

Equipment Description: S/G 1B PORV ASMBLY; 8"



1MS018B 7-17-12 006

1MS018B 7-17-12 007

Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PA01J	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: PROTECTION SYSTEM CABINET (I&E Prot. Cab. CH 1)	
Project: Braidwood 1 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 t SWEL. The space below each of the following questions may be used to record the results of judgments a findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
Welded detail	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
	103
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
Floor is tile so cracks can't be seen exterior to cabinet. Details are welded.	
5. Is the anchorage configuration consistent with plant documentation? (Note:	Yes
This question only applies if the item is one of the 50% for which an anchorage	
configuration verification is required.) Drawing 20E-0-3391C Revision BM Detail for miscellaneous racks	
<ol><li>Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?</li></ol>	Yes

Seism	ic Walkdown Checklist	(SWC)	Status: Y N U
	Equipment ID No.:		
		(20) Instrumentation and Control Panels and Cabinets	
	Equipment Description:	PROTECTION SYSTEM CABINET (I&E Prot. Cab. CH 1)	
	ction Effects		
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.		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.		ismic interaction evaluations, is equipment free of smic interaction effects?	Yes
<u>Other</u> 11.	-	d found no adverse seismic conditions that could fet for the equipment?	Yes

#### <u>Comments</u>

Evaluated by:	Mailere M Selary	Marlene Delaney	Date:	10/1/2012	
	C.C. Ingch Philip	Gazda		10/1/2012	

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	1PA01J	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	PROTECTION SYSTEM CABINET (I&E Prot. Cab. CH 1)	

#### **Photos**





1PA01J 7-16-12 008

1PA01J 7-16-12 009

Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1PA01J
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	PROTECTION SYSTEM CABINET (I&E Prot. Cab. CH 1)

1PA01J 7-16-12 010

Seismi	ic Walkdown Checklist	(SW		Status: YNU
	Equipment ID No.:	1PA	03J	
	Equipment Class:	(20)	Instrumentation and Control Panels and Cabinets	
	Equipment Description:	PRO	DTECTION SYSTEM CABINET (I&E Prot. Cab. CH 3)	
	Proje	ect:	Braidwood 1 SWEL	
Locatio	n (Bldg, Elev, Room/Are	a):	Auxiliary, 451.00 ft, ALL	
	Manufacturer/Mod	del:		
Instruc	ctions for Completing C	heck	list	
SWEL.	The space below each	of the	ent the results of the Seismic Walkdown of an item of eque following questions may be used to record the results of d at the end of this checklist for documenting other comm	judgments and
<u>Ancho</u> 1.			erification required (i.e., is the item one of the 50% h verification)?	Yes
2.	Is the anchorage free o <i>Welded detail</i>	f ben	, broken, missing or loose hardware?	Yes
3.	Is the anchorage free o	f corr	osion that is more than mild surface oxidation?	Yes
4.	Is the anchorage free o Tile floor	f visit	ble cracks in the concrete near the anchors?	Yes
5.	Is the anchorage config	juratio	on consistent with plant documentation? (Note:	Yes

configuration verification is required.) Drawing 20E-0-3391C Revision BM Detail for miscellaneous racks

This question only applies if the item is one of the 50% for which an anchorage

6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

		Status: Y N U
Seismic Walkdown Checklist (	SWC)	
Equipment ID No.:	1PA03J	
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 from	n impact by nearby equipment or structures?	Yes
8. Are overhead equipmen	t, distribution systems, ceiling tiles and lighting, and	Yes
masonry block walls not	likely to collapse onto the equipment?	
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	I found no adverse seismic conditions that could ty functions of the equipment?	Yes

## **Comments**

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Evaluated by:	Mailere M Sels	Ť	Marlene Delaney	Date:	10/1/2012
	C.C. Mych	Philip Ga	azda	_	10/1/2012

Seismic Walkdown Checklist	(SWC)		Status: Y N U
Equipment ID No.:			
		nd Control Panels and Cabinets	
Equipment Description:	PROTECTION SYSTE	M CABINET (I&E Prot. Cab. CH 3)	
Photos			
CABINET NO PROTECTION	· 3		
1PA03J 7-16-12 011		1PA03J 7-16-12 012	

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Seismic Walkdown Checklist	(SWC)	Status: Y	NU
Equipment ID No.:			
	(20) Instrumentation and Control Panels and Cabinets		
	PROTECTION SYSTEM CABINET (I&E Prot. Cab. CH 3)		
Phosad 2-16-12 013			

Status:	Y N U
Seismic Walkdown Checklist (SWC) Equipment ID No.: 1PA07J	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: PROC I&C RACK CONT GRP 3 CAB 7	
Project: Braidwood 1 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 of SWEL. The space below each of the following questions may be used to record the results of judgmer findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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
<ol> <li>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.) <i>Drawing 20E-0-3391C Revision BM Detail for miscellaneous racks</i></li> </ol>	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.: 1PA07J	
Equipment Class: (20) Instrumentation and Control Panels	s and Cabinets
Equipment Description: PROC I&C RACK CONT GRP 3 CAB 7	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structu	ires? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and I masonry block walls not likely to collapse onto the equipment?	ighting, and Yes
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?	nt free of Yes
Other Adverse Conditions 11. Have you looked for and found no adverse seismic conditions the	nat could Yes
adversely affect the safety functions of the equipment?	

## **Comments**

	Marline M Se	()		
Evaluated by:		Marlene Delaney	Date:	10/1/2012
,	C.C. Mych	Philip Gazda	_	10/1/2012

Status: Y N U

#### Seismic Walkdown Checklist (SWC)

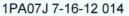
 Equipment ID No.:
 1PA07J

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

 Equipment Description:
 PROC I&C RACK CONT GRP 3 CAB 7

Photos





1PA07J 7-16-12 015

Status: Y N U

Seismic Walkdown	Checklist (SWC)
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	Equipment ID No.:	1PA14J	
	Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
	Equipment Description:	ESF SEQUENCING & ACTUATION CABINET TRAIN B	
	Proje	ect: Braidwood 1 SWEL	
Locat	ion (Bldg, Elev, Room/Are	a): Auxiliary, 451.00 ft, ALL	•
	Manufacturer/Mod		
Instru	ctions for Completing (	Checklist	
SWEI	. The space below each	locument the results of the Seismic Walkdown of an item of equi of the following questions may be used to record the results of ju ovided at the end of this checklist for documenting other comme	udgments and
Anch	orage		
<b>1</b> .	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 c	of bent, broken, missing or loose hardware?	Yes
3.	Is the anchorage free o	of corrosion that is more than mild surface oxidation?	Yes
4.	Is the anchorage free c	of visible cracks in the concrete near the anchors?	Yes
	Tile floor so cracks ca	n't be seen	
. 5.	This question only app configuration verification Drawing 20E-0-33910 1PA14J	C Revision BM Mounting of Sequencing & Act. Cabinet	Yes
-	Weld exceeds drawing		
6.	Based on the above ar potentially adverse sets	chorage evaluations, is the anchorage free of smic conditions?	Yes

Seismic Walkdown Checklist (S	(WC)	Status: Y N U
Equipment ID No.: 1		
	20) Instrumentation and Control Panels and Cabinets	
Equipment Description: E	ESF SEQUENCING & ACTUATION CABINET TRAIN B	
Interaction Effects		
7. Are soft targets free from	impact by nearby equipment or structures?	Yes
		•
•••	distribution systems, ceiling tiles and lighting, and kely to collapse onto the equipment?	Yes
9. Do attached lines have a	dequate flexibility to avoid damage?	Yes
10. Based on the above seisr potentially adverse seism	nic interaction evaluations, is equipment free of ic interaction effects?	Yes
Other Adverse Conditions		
•	found no adverse seismic conditions that could y functions of the equipment?	Yes

#### **Comments**

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	Mailere M Selary			
Evaluated by:	Marlene Delaney	_ Date:	10/1/2012	
•	C. C. Ingoh Philip Gazda	_	10/1/2012	
	Philip Gazda		10/1/2012	

	Status: Y N	U
Seismic Walkdown Checklist		
Equipment ID No.:	1PA14J	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	ESF SEQUENCING & ACTUATION CABINET TRAIN B	
Bhotos		

# Photos





1PA14J 7-16-12 017

Status:	Y	N U

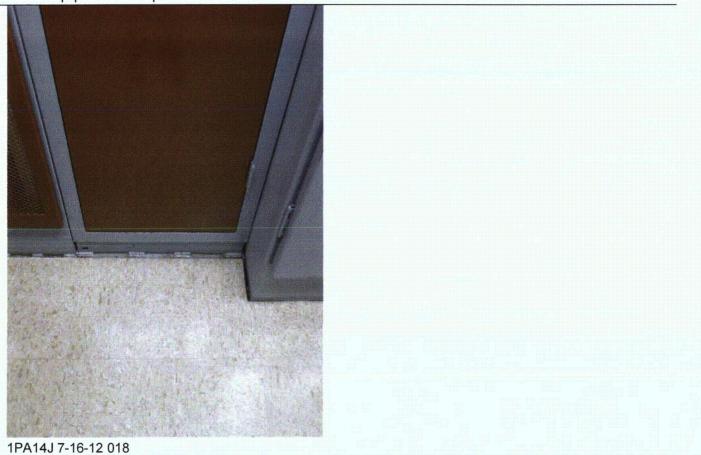
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#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PA14J

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

Equipment Description: ESF SEQUENCING & ACTUATION CABINET TRAIN B



Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1PA28J	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: AUX SAFEGUARD RELAY CABINET (B)	
Project: Braidwood 1 SWEL	
Location (Bldg, Elev, Room/Area): Auxiliary, 451.00 ft, ALL	· · ·
Manufacturer/Model:	
Instructions for Completing Checklist	<u></u>
This checklist may be used to document the results of the Seismic Walkdown of an item of e SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other com	of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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
<ol> <li>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.) Weld exceeds drawing dimensions. Drawing 20E-0-3391C Revision BM Mounting Detail for Miscellaneous Racks</li> </ol>	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.:	1PA28J	
	Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	<u></u>
Eq	uipment Description:	AUX SAFEGUARD RELAY CABINET (B)	
Interactio	on Effects		
7. A	re soft targets free fro	m impact by nearby equipment or structures?	Yes
		nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment?	Yes
9. D	o attached lines have	adequate flexibility to avoid damage?	Yes
		ismic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other Ad	verse Conditions		
	•	d found no adverse seismic conditions that could ety functions of the equipment?	Yes
	· .		
Commen	ts		
		eek of 7/16/12 by M. Delaney & P. Gazda	

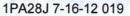
	Mailere M Su	lany		
Evaluated by:	·	Marlene Delaney	Date:	10/1/2012
	C.C. Mych	Philip Gazda		10/1/2012

C-272

U

		Status: Y N
Seis	mic Walkdown Checklist	(SWC)
	Equipment ID No.:	1PA28J
	Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
	Equipment Description:	AUX SAFEGUARD RELAY CABINET (B)
Pho	tos	







1PA28J 7-16-12 020

Status: Y N U

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#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PA28J

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

Equipment Description: AUX SAFEGUARD RELAY CABINET (B)



1PA28J 7-16-12 021

Status: Y N U

Seismic Walkdown Checklist (SWC)			
Equipment ID No.: 1PA34J			
Equipment Class: (20) Instrumentation and Control Panels and Cabinets			
Equipment Description: CONTROL SYSTEM CABINET ESF DIV. 12			
Project: Braidwood 1 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			
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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		
<ol> <li>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.)</li> <li>Weld exceeds drawing dimensions. Drawing 20E-0-3391C Revision BM Mounting Detail for Misc. Racks</li> </ol>	Yes		
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes		

Seism	ic Walkdown Checklist	(SWC)	Status: Y N U
	Equipment ID No.:	1PA34J	
	Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	· · · · · · · · · · · · · · · · · · ·
	Equipment Description:	CONTROL SYSTEM CABINET ESF DIV. 12	
Interac	ction Effects	· ·	
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
	See AWC 3 for discus	sion on test cabinet.	
<b>8</b> .		nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment? ds and secure.	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.		ismic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other	Adverse Conditions		·
11.	•	d found no adverse seismic conditions that could ety functions of the equipment?	Yes

# <u>Comments</u>

Marlene Delaney Date:	10/1/2012
da	10/1/2012

Status: Y N U

-...-

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1PA34J
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	CONTROL SYSTEM CABINET ESF DIV. 12

## **Photos**



1PA34J (AWB Test Panel) 7-16-12 024



1PA34J (AWB Test Panel)7-16-12 025

YN	U
	YN

#### Seismic Walkdown Checklist (SWC)

 Equipment ID No.:
 1PA34J

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

 Equipment Description:
 CONTROL SYSTEM CABINET ESF DIV. 12

 Image: Control Panels and Cabinets

 Image: Control Panels

 </

Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1PI-0627				
Equipment Class:	(18) Instruments on Racks				
Equipment Description:	GAUGE; PRESSURE, U.S. GAUGE CO.,0-160 PSIG				
Proje	ect: Braidwood 1 SWEL				
Location (Bldg, Elev, Room/Are	ea): FH, 401.00 ft, ALL				
Manufacturer/Mod	del:				
Instructions for Completing (	Checklist				
SWEL. The space below each	locument the results of the Seismic Walkdown of an item o of the following questions may be used to record the result ovided at the end of this checklist for documenting other co	ts of judgments and			
<u>Anchorage</u>					
<ol> <li>Is anchorage configura of SWEL items requirin</li> </ol>	tion verification required (i.e., is the item one of the 50% g such verification)?	No			
2. Is the anchorage free c	of bent, broken, missing or loose hardware?	Not Applicable			
3. Is the anchorage free c	of corrosion that is more than mild surface oxidation?	Not Applicable			
	fuisible angels in the comparts may the angels of 0				
4. Is the anchorage free c	of visible cracks in the concrete near the anchors?	Not Applicable			
	guration consistent with plant documentation? (Note: lies if the item is one of the 50% for which an anchorage	Not Applicable			
configuration verification					
6. Based on the above ar	nchorage evaluations, is the anchorage free of	Yes			
potentially adverse seis	smic conditions?				

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Seism	nic Walkdown Checklist	(SWC)	Status: Y N U
	Equipment ID No.:	1PI-0627	
	Equipment Class:	(18) Instruments on Racks	
	Equipment Description:	GAUGE; PRESSURE, U.S. GAUGE CO.,0-160 PSIG	
Intera	ction Effects		
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.	· · ·	nt, distribution systems, ceiling tiles and lighting, and It likely to collapse onto the equipment?	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.		ismic interaction evaluations, is equipment free of smic interaction effects?	Yes
	•	d found no adverse seismic conditions that could fety functions of the equipment?	Yes

# **Comments**

	Mailine M S.	lang		
Evaluated by:		Marlene Delaney	Date:	10/1/2012
	C.U. Mayok	Philip Gazda		10/1/2012

Seismic Walkdown Checklist	(SWC)	Status: Y N	U
Equipment ID No.:	1PI-0627		
Equipment Class:	(18) Instruments on Racks		
Equipment Description:	GAUGE; PRESSURE, U.S. GAUGE CO.,0-160 PSIG		
Photos			
None.			

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1PI-0633	
Equipment Class: (18) Instruments on Racks	
Equipment Description: SPENT FUEL PIT PUMP SUCTION PRESSURE INDICA	ТО
Project: Braidwood 1 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 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	ts of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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
<ol> <li>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.)</li> </ol>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Instrument attached a rack that is well-anchored to the wall.	Yes

•

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1PI-0633	
Equipment Class: (18) Instruments on Racks	
Equipment Description: SPENT FUEL PIT PUMP SUCTION PRESSURE INDICAT	0
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 AWC 30 for discussion on seismic housekeeping issue	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes

### **Comments**

· · · ·	Mailere M Selary				
Evaluated by:	$\cup$	Marlene Delaney	Date:	10/1/2012	
	C.C. Mych Philip	Gazda		10/1/2012	

Status:	Y	N	U
orarao.	•		-

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1PI-0633
Equipment Class:	(18) Instruments on Racks
Equipment Description:	SPENT FUEL PIT PUMP SUCTION PRESSURE INDICATO

# Photos



1PI-0633 (AWB - housekeeping) 7-18-12 080



1PI-0633 7-18-12 079

Status: Y N U

Seismic	Walkdown	Checklist (	(SWC)
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Equipment ID No.: 1PL08J	
Equipment Class: (20) Instrumentation and Control Panels and	Cabinets
Equipment Description: 1B DG CONTROL PANEL	
Project: Braidwood 1 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 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 document	ord the results of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one o of SWEL items requiring such verification)?</li> </ol>	f the 50% No
<ol> <li>Is the anchorage free of bent, broken, missing or loose hardware? welded at base</li> </ol>	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxid	ation? Yes
4. Is the anchorage free of visible cracks in the concrete near the ancho	rs? Yes
<ol> <li>Is the anchorage configuration consistent with plant documentation? ( This question only applies if the item is one of the 50% for which an a configuration verification is required.)</li> </ol>	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

.....

		Status: Y N U
Seismic Walkdown Checklist (SWC)	)	
Equipment ID No.: 1PL08	BJ	
Equipment Class: (20) In	nstrumentation and Control Panels and Cabinets	
Equipment Description: 1B DG	G CONTROL PANEL	
Interaction Effects		
7. Are soft targets free from impact	act by nearby equipment or structures?	Yes
· · · · · · · · · · · · · · · · · · ·		
	whether exchange colling tiles and lighting, and	Yee
	ibution systems, ceiling tiles and lighting, and to collapse onto the equipment?	Yes
9. Do attached lines have adequa	ate flexibility to avoid damage?	Yes
	nteraction evaluations, is equipment free of	Yes
potentially adverse seismic inte	eraction effects?	
·		
Other Adverse Conditions		· · · · · ·
<ol> <li>Have you looked for and found adversely affect the safety func</li> </ol>	d no adverse seismic conditions that could ctions of the equipment?	Yes
		•
· ·		
Comments	7/16/12 by M. Dolonov & D. Cordo	
Seismic walkdown performed week of		
Mailey A	Aller	
Mailere M		
Evaluated by:		1/2012

C. C. Angeh Philip Gazda

10/1/2012

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Status: Y N U

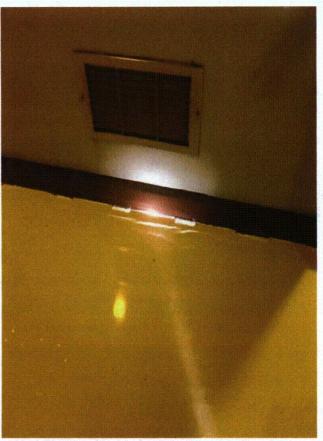
### Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1PL08J	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	1B DG CONTROL PANEL	

#### **Photos**



1PL08J 7-16-12 081



1PL08J 7-16-12 082

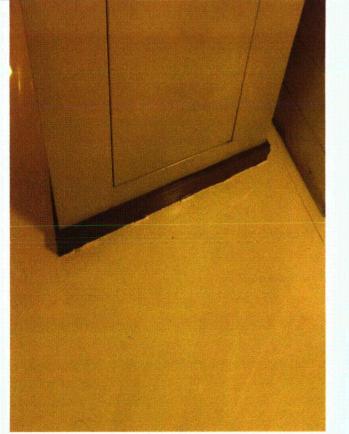
Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PL08J

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

Equipment Description: 1B DG CONTROL PANEL



1PL08J 7-16-12 083

Status:	Υ	Ν	U
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## Seismic Walkdown Checklist (SWC)

	Equipment ID No.:	1P	ЛО5Ј	
	Equipment Class:	(20	) Instrumentation and Control Panels and Cabinets	
Ec	quipment Description:	MA	IN CONTROL BOARD	
	Proje	ect:	Braidwood 1 SWEL	
Location	(Bldg, Elev, Room/Are	ea):	Auxiliary, 451.00 ft, ALL	
	Manufacturer/Mod	del:		
Instructi	ons for Completing C	Chec	klist	
SWEL. 1	The space below each	of th	nent the results of the Seismic Walkdown of an item of equipme e following questions may be used to record the results of judgr ed at the end of this checklist for documenting other comments.	
Anchora	ige			
	s anchorage configura of SWEL items requirin		verification required (i.e., is the item one of the 50% ch verification)?	Yes
2. I	s the anchorage free o	of bei	nt, broken, missing or loose hardware?	Yes
3. 1	s the anchorage free c	of coi	rosion that is more than mild surface oxidation?	Yes
4. l	s the anchorage free o	of vis	ble cracks in the concrete near the anchors?	Yes
	Exterior to panel is ca	rpete	ed so cracking cannot be seen.	
ר כ כ נ נ נ	This question only appl configuration verificatio Back of panel opened one cabinet opened du	lies i on is d at a le to d on o otabl	I locations and weld detail verified. Front of panel, accessibility issues. Outer cabinet weld detail exterior visual inspection. Based on the inspection, o.	Yes
6. E	-	nchoi	age evaluations, is the anchorage free of	Yes

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Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:		
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	MAIN CONTROL BOARD	
	· · · · · · · · · · · · · · · ·	
Interaction Effects	· · · · · · · · · · · · · · · · · · ·	
7. Are soft targets free fro	m impact by nearby equipment or structures?	Yes
Adjacent cabinets (1F	PM05J and 1PM06J) are bolted together.	
	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
	ismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		· · ·
	d found no adverse seismic conditions that could fety functions of the equipment?	Yes

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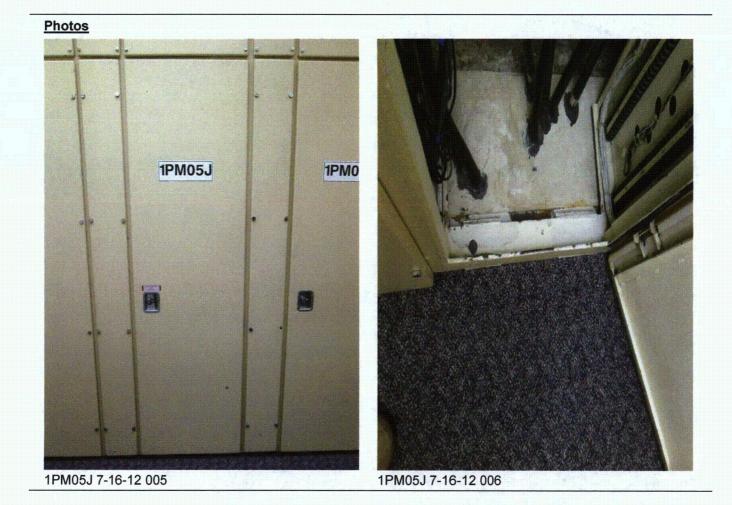
### **Comments**

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



Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PM05J

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

Equipment Description: MAIN CONTROL BOARD



1PM05J 7-16-12 007

Stat Seismic Walkdown Checklist (SWC)	tus: YNU
Equipment ID No.: 1PT-0516	
Equipment Class: (18) Instruments on Racks	
Equipment Description: S/G LOOP 1A STM PRESS XMTTR	<u> </u>
Project: Braidwood 1 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 equipr SWEL. The space below each of the following questions may be used to record the results of jud findings. Additional space is provided at the end of this checklist for documenting other comment	Igments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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
<ol> <li>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.)</li> </ol>	Not Applicable
<ol> <li>Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Instrument mounted to rack with detail specified on Drawing M-33 Sheet 108. Rack is well-anchored.</li> </ol>	Yes

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	1PT-0516	
Equipment Class:	(18) Instruments on Racks	<u> </u>
Equipment Description:	S/G LOOP 1A STM PRESS XMTTR	
Interaction Effects		
<ol> <li>Are soft targets free fro</li> </ol>	m impact by nearby equipment or structures?	Yes
masonry block walls no	nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment? tied off to prevent contact. Other plant components inpacting instrument.	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		
-	d found no adverse seismic conditions that could ety functions of the equipment?	Yes

# **Comments**

	Mailere M Sela	1		
Evaluated by:	P	Marlene Delaney	Date:	10/1/2012
	C.C. Mych	Philip Gazda	_	10/1/2012
			_	

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<b>.</b>		Status: Y N U
Seismic Walkdown Checklist	(SWC)	
Equipment ID No.:	1PT-0516	
Equipment Class:	(18) Instruments on Racks	
Equipment Description:	S/G LOOP 1A STM PRESS XMTTR	
<u>Photos</u>		
None.		

Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RH01PB	
Equipment Class: (6) Vertical Pumps	
Equipment Description: PUMP,1B RESIDUAL HEAT REMOVAL ASMBLY	
Project: Braidwood 1 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 equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments a findings. Additional space is provided at the end of this checklist for documenting other comments.	
<ul> <li>Anchorage</li> <li>1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ul>	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
<ol> <li>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</li> </ol>	Yes
<ol> <li>Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?</li> </ol>	Yes

		Status: Y N U
Seismic Walkdown Checklist	(SWC)	
Equipment ID No.:	1RH01PB	
Equipment Class:	(6) Vertical Pumps	
Equipment Description:	PUMP,1B RESIDUAL HEAT REMOVAL ASMBLY	
Interaction Effects		,
7. Are soft targets free from	m impact by nearby equipment or structures?	Yes
	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	d found no adverse seismic conditions that could ety functions of the equipment?	Yes

## **Comments**

	Marline M Se	leny	`		
Evaluated by:		$\mathbf{\nabla}$	Marlene Delaney	Date:	10/1/2012
	C.U. Mych	Philip (	Gazda	_	10/1/2012

Status:	Y	NU	J

. . . . . .

### Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1RH01PB
Equipment Class:	(6) Vertical Pumps
Equipment Description:	PUMP,1B RESIDUAL HEAT REMOVAL ASMBLY

#### **Photos**



1RH01PB 7-19-12 001



1RH01PB 7-19-12 002

Status: Y N U

No

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Seismi	ic Walkdown Checklist	(SWC)	Status: Y N
	Equipment ID No.:		
		(21) Tanks and Heat Exchangers	
	Equipment Description:	RH PUMP 1B SEAL COOLER VALVE	
· · · · ·	Proje		
Locatio	-	ea): Auxiliary, 346.00 ft, ALL	· · · · · · · · · · · · · · · · · · ·
20000.0	Manufacturer/Moo		
Instruc	ctions for Completing C	•••••	
SWEL.	The space below each s. Additional space is pr	ocument the results of the Seismic Walkdown of an item of of the following questions may be used to record the results ovided at the end of this checklist for documenting other co	s of judgments and
<u>Ancho</u>			
1.	Is anchorage configura of SWEL items requirin <i>Component is a valve</i>	-	1
2.	Is the anchorage free o	f bent, broken, missing or loose hardware?	Not Applicat
3.	Is the anchorage free c	f corrosion that is more than mild surface oxidation?	Not Applicat
· 4.	Is the anchorage free c	of visible cracks in the concrete near the anchors?	Not Applicat
5.		guration consistent with plant documentation? (Note: ies if the item is one of the 50% for which an anchorage n is required.)	Not Applicat
6.	Based on the above ar potentially adverse seis	chorage evaluations, is the anchorage free of smic conditions?	Y

Yes

Salamia Walkdown Chaaklig		Status: Y N U
Seismic Walkdown Checklist		
Equipment ID No.:	1RH01PB-A	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	RH PUMP 1B SEAL COOLER VALVE	· · · · · · · · · · · · · · · · · · ·
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
• •	ent, distribution systems, ceiling tiles and lighting, and	Yes
	ot likely to collapse onto the equipment?	
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes
	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions	· ·	
-	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes

# <u>Comments</u>

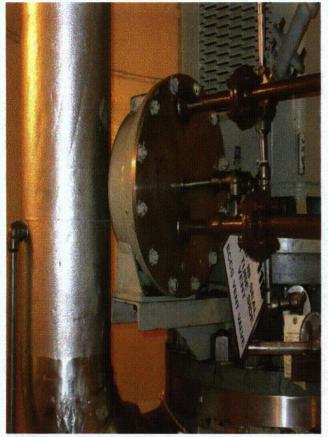
	Mailine M Sel	any -				
Evaluated by:		$\cup$	Marlene Delaney	Date:	10/1/2012	
	C.C. Mych	Philip G	azda		10/1/2012	

Status:	Y	N	U
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## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1RH01PB-A
Equipment Class:	(21) Tanks and Heat Exchangers
Equipment Description:	RH PUMP 1B SEAL COOLER VALVE

# Photos



1RH01PB-A 7-19-12 006

•

Seismic Walkdown Checklist (SWC)		Status: Y N U
Equipment ID No.: 1RH60	7	
· · · · · · · · · · · · · · · · · · ·	id-Operated Valves	
<u> </u>	UAL HEAT REMOVAL HX 1B FLOW CONT VLV ASI	 MBL Y: 8"
	aidwood 1 SWEL	
Location (Bldg, Elev, Room/Area): Au		
Manufacturer/Model:		· · · · · · · · · · · · · · · · · · ·
Instructions for Completing Checklis	t	
This checklist may be used to documen SWEL. The space below each of the fo	t the results of the Seismic Walkdown of an item of ea llowing questions may be used to record the results o at the end of this checklist for documenting other comr	of judgments and
Anchorage		
<ol> <li>Is anchorage configuration verified of SWEL items requiring such v</li> </ol>	fication required (i.e., is the item one of the 50% verification)?	No
2. Is the anchorage free of bent, b	roken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosi	on 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
÷ -	consistent with plant documentation? (Note: item is one of the 50% for which an anchorage uired.)	Not Applicable
<ol> <li>Based on the above anchorage potentially adverse seismic con</li> </ol>	evaluations, is the anchorage free of ditions?	Yes

.

.

Seism	ic Walkdown Checklist	(SWC)	Status: Y N U
	Equipment ID No.:	1RH607	
	Equipment Class:	(7) Fluid-Operated Valves	
	Equipment Description:	RESIDUAL HEAT REMOVAL HX 1B FLOW CONT VLV	ASMBLY; 8"
-	<u>ction Effects</u> Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.	masonry block walls no	nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment? ted including tube track directly above valve	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.		ismic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other	Adverse Conditions		
11.	•	d found no adverse seismic conditions that could ety functions of the equipment?	Yes

### **Comments**

Evaluated by:	Marline M Sel	Marlene Delaney Date	e: 10/1/2012
	C.U. Mych	Philip Gazda	10/1/2012

	Status:	Y	Ν	U
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### Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1RH607
Equipment Class:	(7) Fluid-Operated Valves
Equipment Description:	RESIDUAL HEAT REMOVAL HX 1B FLOW CONT VLV ASMBLY; 8"

### **Photos**





1RH607 7-19-12 007

1RH607 7-19-12 008

Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SI01T	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: REFUELING WATER STORAGE TANK	
Project: Braidwood 1 SWEL	
Location (Bldg, Elev, Room/Area): FH Out, 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 equ 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 comme	judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	No
The RWST is a reinforced concrete tank that is anchored into a reinforced	
concrete pad via reinforcing steel dowels. No anchorage can be verified for	
this component. Details shown on Drawing S-1402 Revision J and S-1404 Revision W	
<ol> <li>Is the anchorage free of bent, broken, missing or loose hardware?</li> </ol>	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
<ol> <li>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.)</li> </ol>	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.: 1SI01T	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: REFUELING WATER STORAGE TANK	
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
Scaffolding adjacent to the tank is well-supported. Would not adversely impact robust tank if scaffold fell.	
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	· · · · · · · · · · · · · · · · · · ·
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes

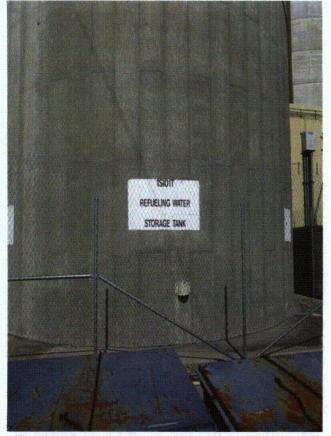
# **Comments**

	Mailure MA.	lang				
Evaluated by:		U	Marlene Delaney	Date:	10/1/2012	•
	C.U. Mayoh	Philip	Gazda		10/1/2012	

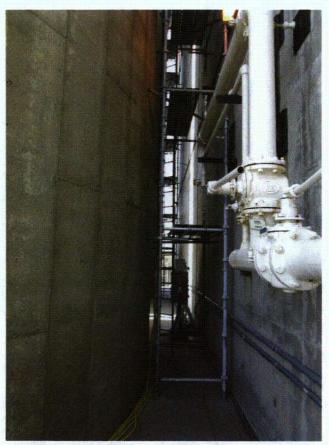
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Seis	mic Walkdown Checklist	(SWC)	NU
	Equipment ID No.:	1SI01T	
	Equipment Class:	(21) Tanks and Heat Exchangers	
	Equipment Description:	REFUELING WATER STORAGE TANK	

### **Photos**



1SI01T 7-17-12 001



1SI01T 7-17-12 002

Status:	Y	Ν	U

### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SI01T

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: REFUELING WATER STORAGE TANK



1SI01T 7-17-12 003

	_		
Status:	Y	N	U

Seismic	Walkdown	Checklist	(SWC)

.

Equipment ID No.: 1SI8801B	
Equipment Class: (7) Fluid-Operated Valves	
CHG PMP TO COLD LEGS INJECTION ISOL VLV (C/S A Equipment Description: ASMBLY; 4"	T 1PM05J)
Project: Braidwood 1 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 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	of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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
<ol> <li>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.)</li> </ol>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

.

Seismic Wa	Ikdown Checklist (SWC)	Status: Y	] N U
	Equipment ID No.: 1SI8801B		
	Equipment Class: (7) Fluid-Operated Valves		
	CHG PMP TO COLD LEGS INJECTION ISOL	VLV (C/S AT 1PM05J)	
	ment Description: ASMBLY; 4"		
nteraction I			
7. Are s	soft targets free from impact by nearby equipment or structures?	· · ·	Yes
		•	
9 Are	everbeed environment distribution eveterns, colling tiles and lighting	and	Vaa
	overhead equipment, distribution systems, ceiling tiles and lighting, onry block walls not likely to collapse onto the equipment?	and	Yes
			•
9. Do a	ttached lines have adequate flexibility to avoid damage?		Yes
		•	
,			
			·
	ed on the above seismic interaction evaluations, is equipment free o ntially adverse seismic interaction effects?	of	Yes
Other Adver	rse Conditions		
11. Have	e you looked for and found no adverse seismic conditions that could ersely affect the safety functions of the equipment?	i i i	Yes
	gged valve		
	·		- <u>-</u>
<u>Comments</u>			
Seismic walk	cdown performed week of 7/16/12 by M. Delaney & P. Gazda		
	N A		
	pailed Malasy		
	()		
Evaluated by	/: Marlene Delaney	Date: 10/1/2012	
	C. L. Mayan Philip Gazda	10/1/2012	
			-

Status:	Y	NU
Status.		

# Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1SI8801B
Equipment Class:	(7) Fluid-Operated Valves
	CHG PMP TO COLD LEGS INJECTION ISOL VLV (C/S AT 1PM05J)
Equipment Description:	ASMBLY; 4"

## Photos



1SI8801B 7-19-12 Group 2 005



1SI8801B 7-19-12 Group 2 006

Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SI880	04B	
Equipment Class: (8) Mo	tor-Operated and Solenoid-Operated Valves	
Equipment Description: ASSY	- MOV 1B RH HX TO 1B SI PP SUCT HDR ISOL VI	_V
Project: Br	aidwood 1 SWEL	
Location (Bldg, Elev, Room/Area): Au	uxiliary, 364.00 ft, ALL	
Manufacturer/Model:		
Instructions for Completing Checklis	st	
SWEL. The space below each of the for	nt the results of the Seismic Walkdown of an item of o blowing questions may be used to record the results at the end of this checklist for documenting other con	of judgments and
<u>Anchorage</u>		
<ol> <li>Is anchorage configuration veri of SWEL items requiring such verices</li> </ol>	fication required (i.e., is the item one of the 50% verification)?	No
2. Is the anchorage free of bent, t	proken, missing or loose hardware?	Not Applicable
		· ·
3. Is the anchorage free of corros	ion 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
	·	
	consistent with plant documentation? (Note: e item is one of the 50% for which an anchorage uired.)	Not Applicable
6. Based on the above anchorage potentially adverse seismic cor	e evaluations, is the anchorage free of iditions?	Yes

ie Wellederen Obereldiet	(0)((0)	Status: Y N U
nic walkdown Checklist	(SWC)	•
Equipment ID No.:	1SI8804B	
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description:	ASSY - MOV 1B RH HX TO 1B SI PP SUCT HDR ISOL VLV	/
ction Effects		
Are soft targets free fro	m impact by nearby equipment or structures?	Yes
		Yes
Overhead components	are well-supported	
Do attached lines have	adequate flexibility to avoid damage?	Yes
		Yes
adversely affect the sat	ety functions of the equipment?	Yes
	Equipment ID No.: Equipment Class: Equipment Description: ction Effects Are soft targets free fro Are overhead equipment masonry block walls no Seismic block walls Overhead components Do attached lines have Based on the above se potentially adverse seis Adverse Conditions Have you looked for an adversely affect the safe	Are soft targets free from impact by nearby equipment or structures? Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? <i>Seismic block walls</i> <i>Overhead components are well-supported</i> Do attached lines have adequate flexibility to avoid damage? Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

# <u>Comments</u>

	Mailere M See	lany		
Evaluated by:		Marlene Delaney	Date:	10/1/2012
	C.U. Mych	Philip Gazda		10/1/2012

Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1SI8804B	
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description:	ASSY - MOV 1B RH HX TO 1B SI PP SUCT HDR ISOL VLV	



1SI8804B 7-19-12 011



1SI8804B 7-19-12 012

Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1SI8804B
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	ASSY - MOV 1B RH HX TO 1B SI PP SUCT HDR ISOL VLV



1SI8804B 7-19-12 013



1SI8804B 7-19-12 014

Status: Y N U

Equipment ID No.: 1S	I8809B				
Equipment Class: (8)	Motor-Operated and Solenoid-Operated Valves				
Equipment Description: RH TO COLD LEGS 1B/1C ISOL VLV (1PM06J) ASMBLY; 8"					
Project:					
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 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 of SWEL items requiring su	verification required (i.e., is the item one of the 50% ch 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	ible cracks in the concrete near the anchors?	Not Applicable			
	ion consistent with plant documentation? (Note: f the item is one of the 50% for which an anchorage required.)	Not Applicable			
<ol> <li>Based on the above anchor potentially adverse seismic</li> </ol>	rage evaluations, is the anchorage free of conditions?	Yes			

Salamia Walkdown Chaeklist	(5)4(0)	Status: Y N U
Seismic Walkdown Checklist	(SWC)	
Equipment ID No.:	1SI8809B	
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description:	RH TO COLD LEGS 1B/1C ISOL VLV (1PM06J) ASMBLY;	8"
Interaction Effects		
7. Are soft targets free fro	m impact by nearby equipment or structures?	Yes
	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
	ismic interaction evaluations, is equipment free of mic interaction effects?	Yes
-	d found no adverse seismic conditions that could ety functions of the equipment?	Yes

# **Comments**

	Mailere M Selary
Evaluated by:	Marlene Delaney Date: 10/1/2012
	C.U. Mych Philip Gazda 10/1/2012

Status: Y N U

### Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1SI8809B
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	RH TO COLD LEGS 1B/1C ISOL VLV (1PM06J) ASMBLY; 8"



1SI 8809B 7-19-12 Group 2 007

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1SX004	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: CC HX 1 INLT VLV ASMBLY; 30"	
Project: Braidwood 1 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 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 con	s of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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
<ol> <li>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.)</li> </ol>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

• •			Status: Y N U
Seismic W	/alkdown Checklist	(SWC)	
	Equipment ID No.:	1SX004	
	Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves	
Equ	ipment Description:	CC HX 1 INLT VLV ASMBLY; 30"	
Interaction	n Effects		
7. Are	e soft targets free fro	m impact by nearby equipment or structures?	Yes
ma	• •	nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment? e well-supported	Yes
9. Do	attached lines have	adequate flexibility to avoid damage?	Yes
		smic interaction evaluations, is equipment free of mic interaction effects?	Yes
11. Ha ad <sup>v</sup>	•	d found no adverse seismic conditions that could ety functions of the equipment? ear valve	Yes

# **Comments**

	Mailere M Sel	any t		
Evaluated by:		Marlene Delaney	Date:	10/1/2012
· · · ·	C.U. Mych	Philip Gazda		10/1/2012

Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1SX004
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	CC HX 1 INLT VLV ASMBLY; 30"



1SX004 7-18-12 049

Seismic Walkdown Checklis	t (SWC)	Status: Y N U
Equipment ID No.:	1SX005	
	(8) Motor-Operated and Solenoid-Operated Valves	· · · · · · · · · · · · · · · · · · ·
Equipment Description:	U-0 CC HX INLT VLV ASMBLY; 30"	
Proj	ject: Braidwood 1 SWEL	· · ·
Location (Bldg, Elev, Room/Ar	ea): Auxiliary, 330.00 ft, ALL	
Manufacturer/Mo	del:	
SWEL. The space below each findings. Additional space is p	Checklist document the results of the Seismic Walkdown of an item of n of the following questions may be used to record the results rovided at the end of this checklist for documenting other con	of judgments and
<u>Anchorage</u>		,
<ol> <li>Is anchorage configura of SWEL items requiring</li> </ol>	ation verification required (i.e., is the item one of the 50% ng 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
· · · · · · · · · · · · · · · · · · ·	guration consistent with plant documentation? (Note: plies if the item is one of the 50% for which an anchorage on is required.)	Not Applicable
<ol> <li>Based on the above a potentially adverse sei</li> </ol>	nchorage evaluations, is the anchorage free of ismic conditions?	Yes

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Caiamia Malkdown Chaoki		Status: Y N U
Seismic Walkdown Checkl	ist (SWC)	
Equipment ID No	p.: 1SX005	
Equipment Clas	s: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Descriptio	n: U-0 CC HX INLT VLV ASMBLY; 30"	
Interaction Effects		
7. Are soft targets free	from impact by nearby equipment or structures?	Yes
	ment, distribution systems, ceiling tiles and lighting, and not likely to collapse onto the equipment? <i>protection piping</i>	Yes
9. Do attached lines ha	ave adequate flexibility to avoid damage?	Yes
	e seismic interaction evaluations, is equipment free of seismic interaction effects?	Yes
Other Adverse Conditions	······	
11. Have you looked for	and found no adverse seismic conditions that could safety functions of the equipment?	Yes

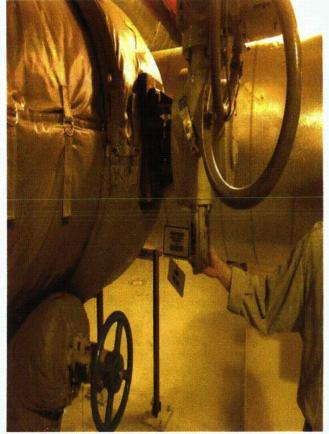
# **Comments**

	Mailere M Selan	<b>h</b>		
Evaluated by:	U	Marlene Delaney	Date:	10/1/2012
	C.C. Mych Phi	ilip Gazda	_	10/1/2012

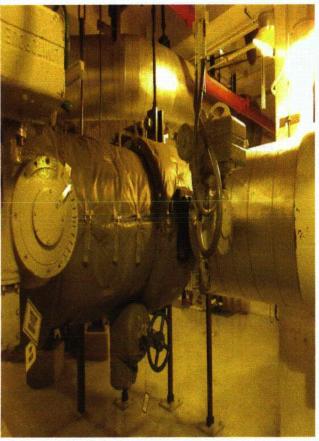
Status: Y N U

### Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1SX005
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	U-0 CC HX INLT VLV ASMBLY; 30"



1SX005 7-18-12 039



1SX005 7-18-12 040

Status:	Y	N	U
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# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX01FB	
Equipment Class: (0) Other	
Equipment Description: 1B SX PP DSCH STRN	
Project: Braidwood 1 SWEL	
Location (Bldg, Elev, Room/Area): Auxiliary, 330.00 ft, ALL	<u>.                                </u>
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 an findings. Additional space is provided at the end of this checklist for documenting other comments.	
<ul> <li>Anchorage</li> <li>1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ul>	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.) <i>Drawing M-1218 Revision AA</i>	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

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Seismic Walkdown Ch	ecklist (SV	VC)	Status: Y N U
Equipment I		SX01FB	
Equipment	Class: (0)	) Other	
Equipment Descr	iption: 18	SX PP DSCH STRN	· · · · · · · · · · · · · · · · · · ·
Interaction Effects	<u> </u>		<u> </u>
7. Are soft targets	free from ir	npact by nearby equipment or structures?	Yes
		listribution systems, ceiling tiles and lighting, and ely to collapse onto the equipment?	Yes
9. Do attached line	es have ade	equate flexibility to avoid damage?	Yes
		ic interaction evaluations, is equipment free of interaction effects?	Yes
Other Adverse Condition	ons		
11. Have you looked	d for and fo	und no adverse seismic conditions that could functions of the equipment?	Yes

# <u>Comments</u>

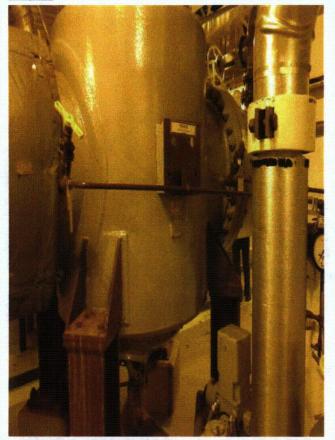
	Mailere M Selary			
Evaluated by:	0	Marlene Delaney	Date:	10/1/2012
	C.C. Mych Philip	Gazda		10/1/2012

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		Status:	Y	N	U
Seismic Walkdown Checklist	(SWC)				
Equipment ID No.:	1SX01FB				
Equipment Class:	(0) Other				
Equipment Description:	1B SX PP DSCH STRN				

#### **Photos**



1SX01FB 7-18-12 032