APPENDIX C AREA WALK-BY CHECKLISTS (AWCs)

	aul C. Rizzo Associ	iates, Inc.					Sheet 1 of 191
Area Walk-By	y Checklist (AWC))		Status:	\heartsuit	N	U
Room	#2 Battery R	oom	· · · · · · · · · · · · · · · · ·				
Floor El.	713	Bldg.	SRVB				
This checklist space below ea	ich of the following	ument the result questions may l	s of the Area Walk-By near one be used to record the results of cklist for documenting other co	judgments and fin			
				Y	N	U	N/A
			r to be free of e without necessarily	X]]
				Y	N	U	N/A
2. Does anchor degraded co		n the area appea	r to be free of significant	X			
				Y	N	U	N/A
raceways and seismic cond	visual inspection fro d HVAC ducting ap itions (e.g., condition f cable trays appear	pear to be free o on of supports is	of potentially adverse adequate and fill	X			<u></u>
1 Door it anno	or that the area is f	an of motorially	· o ducumo o colonnio cunctical	Y	N	U	N/A
interactions lighting)?	with other equipme	nt in the area (e	y adverse seismic spatial .g., ceiling tiles and		<u></u>	<u>.</u>	<u> </u>
0087, respectiv These calculat	vely. Block wall SB	1-10 is adequate llow-up seismic	on Calculations DSC-0086 and e based on calculation DSC-00 analysis in support of IE80-11				

Related equipment on SWEL for this area: BAT-1-2

ENGINEERS & CONSULTANTS Area Walk-By Checklist (AWC) #2 Battery Room Floor El. 713 Bldg. SRVB

Interaction Effects

Room

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? All piping are well supported in this area.

Paul C. Rizzo Associates, Inc.

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No ignition sources found in this area.

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary)

Evaluated by:

Eddie M. Guerra

hund Dellary

Adam L. Helffrich

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N/A Y N U Χ U N/A Y Ν Х N/A Y Ν U Χ Y Ν U Χ

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Status:

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9/28/2012

9/28/2012

Date:

Date:



Status: 🕲 N U

Area Walk-By Checklist (AWC)

Room #2 Battery Room

Floor El.

713

Bldg. SRVB



File Name: 1-59-1-4-01.jpeg Description: General



File Name: 1-60-1-4-01.jpeg Description: Block wall in area

DCR Paul C	C. Rizzo Associate	s, Inc.						Sheet 4 of 191
Area Walk-By Ch	ecklist (AWC)				Status:	$(\ \)$	N	U
Room	AC Equip RM							
Floor El.	713	Bldg.	SRVB					
space below each o	be used to docume of the following que	nt the results of stions may be	f the Area Walk-By used to record the re ist for documenting	sults of judgmen				
1. Does anchorage of equipment in the area appear to be free of				Г	Y X	<u>N</u>	U	N/A
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?			L	Α			- I	
					Y	N	U	N/A
2. Does anchorage degraded condition		e area appear to	be free of signification	it 📃	X			
				_	Y	N	U	N/A
raceways and HV seismic condition	AC ducting appear s (e.g., condition of	inspection from the floor, do the cable/conduit AC ducting appear to be free of potentially adverse (e.g., condition of supports is adequate and fill e trays appear to be inside acceptable limits)?		L	X			
	at the area is free or other equipment ir				Y X	<u>N</u>	U	N/A
lighting)?								

Related equipment on SWEL for this area: VS-AC-1A-BLOWER

Paul ENGIN	Il C. Rizzo Associates, Inc. NEERS & CONSULTANTS				Sheet 5 of 191
Area Walk-By (Checklist (AWC)	Status:	\heartsuit	N	U
Room	AC Equip RM				
Floor El.	713 Bldg. <u>SRVB</u>				
Interaction Effe	ects		N	ŦŦ	NT/A
interactions the	that the area is free of potentially adverse seismic at could cause flooding or spray in the area? and supported in this area.	Y X	<u>N</u>	U	N/A
interactions that	that the area is free of potentially adverse seismic at could cause a fire in the area? ces found in this area.	Y X	N	U	N/A
interactions as	that the area is free of potentially adverse seismic ssociated with housekeeping practices, storage of portable d temporary installations (e.g., scaffolding, lead shielding)?	Y X	N	U	N/A
adversely affe	ted for and found no other seismic conditions that could act the safety functions of the equipment in the area? litional pages may be added as necessary)	Y X	N	U]
Evaluated by:	Eddie M. Guerra	9/28/20	012		

Adam L. Helffrich

Date:

9/28/2012



Status: 🕲 N U

Area Walk-By Checklist (AWC)

Room AC Equip RM

Floor El.

713

Bldg. SRVB



File Name: 1-59-1-4-06.jpeg Description: General 1



File Name: 1-60-1-4-06.jpeg Description: General 2



Status: 🕅 N U

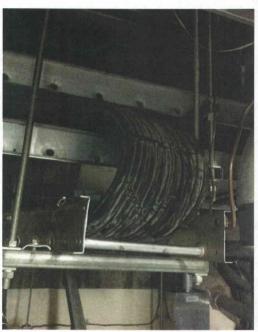
Area Walk-By Checklist (AWC)

 Room
 AC Equip RM

 Floor El.
 713

 Bldg.
 SRVB

File Name: 1-65-1-4-06.jpeg Description: Fire suppression system rugged



File Name: 1-66-1-4-06.jpeg Description: Cable trays in area full, but not overflowing

	Paul C. Rizzo Asso	ciates, Inc.					Sheet 8 of 19
Area Walk-B	y Checklist (AWC	C)		Status:	\odot	N	U
Room	AT QS-TK-	-1	<u> </u>	-			
Floor El.	735	Bldg.	YARD				
This checklist space below ea	ach of the followin	cument the result g questions may	s of the Area Walk-By near be used to record the result ecklist for documenting othe	s of judgments and fir			
				Y	N	U	N/A
	rage of equipment					X	
opening cab	inets)? rage of equipment		e without necessarily r to be free of significant	Y X	N	U	N/A
				Y	N	U	N/A
	visual inspection fr						X
seismic cond	d HVAC ducting a litions (e.g., conditi f cable trays appear	ion of supports is	•				
				Y	N	U	N/A
			y adverse seismic spatial .g., ceiling tiles and	X			
	ear tank is a possib and enough to be co		ower is judged to be far en dible.	ough			
Related equipr	nent on SWEL for	this area:					

LT-1QS-100A

Paul ENGINE	C. Rizzo Associates, Inc. R5 & CONSULTANTS				:	Sheet 9 of 191
Area Walk-By Cl	ecklist (AWC)		Status:	Ŷ	N	U
Room	AT QS-TK-1					
Floor El.	735 Bldg. YARD					
Interaction Effect	s		Y	N	U	N/A
	hat the area is free of potentially adverse seismic could cause flooding or spray in the area?	[X			
6. Does it appear the interactions that a No ignition source.	at the area is free of potentially adverse seismic could cause a fire in the area? <i>found in this area</i> .	[Y X	N	U	N/A
interactions asso	at the area is free of potentially adverse seismic ociated with housekeeping practices, storage of portable emporary installations (e.g., scaffolding, lead shielding)?	C	Y X	N	U	N/A
adversely affect	for and found no other seismic conditions that could the safety functions of the equipment in the area?	C	Y X	N	U	
Comments (Additi	onal pages may be added as necessary)					
Evaluated by:	Eddie M. Guerra	_Date:	9/28/20	12		
	Adam L. Helffrich	Date:	9/28/20	12		



 \heartsuit U Status: Ν

AT QS-TK-1

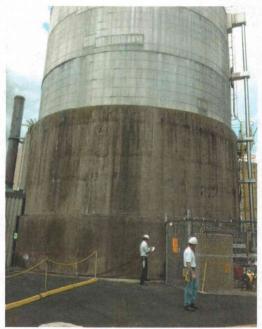
735

Room

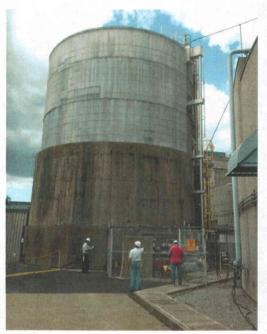
Floor El.

Area Walk-By Checklist (AWC)

Bldg. YARD



File Name: 1-59-1-4-09.jpeg **Description: General 1**



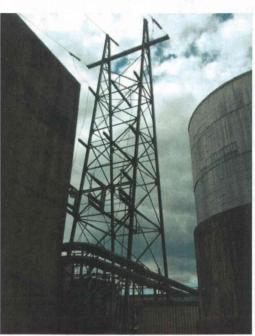
File Name: 1-60-1-4-09.jpeg Description: General 2



Status: 🕅 N U

Area Walk-By	Checklist (AWC)	
Room	AT QS-TK-1	

Floor El. <u>735</u> Bldg. <u>YARD</u>



File Name: 1-65-1-4-09.jpeg Description: Tower near by is judged rugged, interaction is not credible.

	C. Rizzo Associates 8 & CONSULTANTS	<u>, Inc.</u>					S	heet 12 of 191
Area Walk-By Cho	ecklist (AWC)				Status:	\odot	N	U
Room	B RS PMP CUB			_				
Floor El.	732	Bldg.	SFGB					
space below each of	be used to docume the following que	nt the results o stions may be	of the Area Walk-By nea used to record the resul list for documenting oth	s of judgment				
 Does anchorage of potentially advers opening cabinets) 	se seismic conditio		to be free of without necessarily		Y X	N	U	N/A
2. Does anchorage of degraded condition		area appear t	o be free of significant		Y X	N	U	N/A
3. Based on a visual raceways and HV, seismic conditions conditions of cable	AC ducting appear (e.g., condition of	to be free of provide to be free of provide the second sec	potentially adverse dequate and fill		Y X	N	U	N/A
	at the area is free o other equipment in		dverse seismic spatial , ceiling tiles and		Y X	N	U	N/A

Related equipment on SWEL for this area: RS-P-2B

Area Walk-By Checklist (AWC) (Y)Status: Room **B RS PMP CUB** Floor El. 732 Bldg. SFGB **Interaction Effects** Y Ν 5. Does it appear that the area is free of potentially adverse seismic Х interactions that could cause flooding or spray in the area?

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No ignition sources found in this area.

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary)

Evaluated by:

Eddie M. Guerra

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Adam L. Helffrich

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N/A

N/A

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Date:

Date:

9/28/2012

9/28/2012

All piping are well supported in this area.

Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS



Status: 🕅 N U

Area Walk-By Checklist (AWC)

Room B RS PMP CUB

Floor El.

732

Bldg. SFGB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-10.jpeg Description: General

Paul C ENGINEER	C. Rizzo Associates 8 & CONSULTANTS	, Inc.					S	Sheet 15 of 191
Area Walk-By Che	ecklist (AWC)				Status:	(a)	N	U
Room	BAT-1ROOM							
Floor El.	713	Bldg.	SRVB					
space below each of	be used to docume f the following que	nt the results stions may b	of the Area Walk-By ne e used to record the rest klist for documenting o	ults of judgmen	nts and find			
					Y	N	U	N/A
1. Does anchorage of			to be free of without necessarily		X		-	
opening cabinets)	? of equipment in the		to be free of significant	ı [Y X	N	U	N/A
					Y	N	U	N/A
3. Based on a visual raceways and HV, seismic conditions conditions of cable	AC ducting appear (e.g., condition of	to be free of supports is a	potentially adverse adequate and fill		X			
4. Does it appear that	at the area is free o	f potentially	adverse seismic spatial	C	Y X	N	U	N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Block wall SB1-11 and SB1-12 are adequate based on calculations DSC-0090 and DSC-0091, respectively. Block wall SB1-14 is adequate based on calculation DSC 0089_2. This calculation is part of a follow-up seismic analysis in support of IE8 calculations. All block walls in area are adequate.				ion DSC-	i			

Related equipment on SWEL for this area: BAT-1-1

	C. Rizzo Associat	es, Inc.					S	heet 16 of 191
Area Walk-By Ch					Status:	(N	U
Room	BAT-1ROOM							
Floor El.	713	Bldg.	SRVB					
Interaction Effect	S							
5. Does it appear the interactions that <i>All piping are well</i>	could cause flood	ling or spray in			Y X	<u>N</u>		N/A
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No ignition sources found in this area.					Y X	<u>N</u>	<u>U</u>	N/A
	ociated with house	ekeeping pract	adverse seismic ices, storage of port ffolding, lead shield		Y X	N	U	N/A
	the safety functio	ons of the equi	conditions that coul pment in the area?	ld	Y X	N	U	l
Comments (Additi	ional pages may b	e audeu as nec	cssary)					
Evaluated by:	Eddie M. Guerr	a and a state of the second se	handt	Date:	9/28/20	012		
	Adam L. Helffr	l <i>um)</i> ich	Allery)	Date:	9/28/20)12		



BAT-1ROOM

Status: 🕅 N U

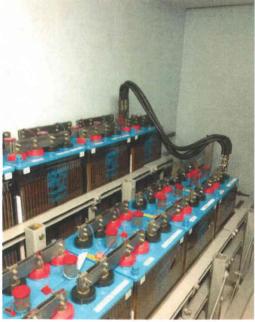
Area Walk-By Checklist (AWC)

Room

Floor El.

713

Bldg. SRVB



File Name: 1-59-1-4-11.jpeg Description: General



File Name: 1-60-1-4-11.jpeg Description: Block wall in area

	ul C. Rizzo Associ	iates, Inc.				S	Sheet 18 of 191
Area Walk-By	Checklist (AWC))		Status:	Ŷ	N	U
Room	Blender Room	m					
Floor El.	722	Bldg.	AXLB				
This checklist n space below eac	h of the following	ument the result questions may	s of the Area Walk-By near or be used to record the results o cklist for documenting other o	f judgments and find			
				Y	N	U	N/A
	ge of equipment ir			X			
opening cabir		litions (if visible	e without necessarily				
				Y	Ν	U	N/A
	. Does anchorage of equipment in the area appear to be free of significant						
degraded con	ditions?						
	1			Y	N	U	N/A
raceways and seismic condit	sual inspection fro HVAC ducting app ions (e.g., condition cable trays appear to	pear to be free o on of supports is	of potentially adverse adequate and fill	X			<u> </u>
				Y	N	U	N/A
			adverse seismic spatial	X			
lighting)?	thi other equipment	in m the area (e.	g., centing thes and				
Related equipme HCV-1CH-186	ent on SWEL for th	nis area:					

Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS

Area Walk-By Che	ecklist (AWC)	Status:	\heartsuit	N	U
Room	Blender Room				
Floor El.	722 Bldg. AXLB				
Interaction Effects			27	TT	27/4
interactions that c	t the area is free of potentially adverse seismic ould cause flooding or spray in the area? <i>upported in this area.</i>	Y X	<u>N</u>	U	N/A
		Y	N	U	N/A
	t the area is free of potentially adverse seismic ould cause a fire in the area? found in this area.	X			
		Y	N	U	N/A
interactions assoc	at the area is free of potentially adverse seismic ciated with housekeeping practices, storage of portable mporary installations (e.g., scaffolding, lead shielding)?	X			
	for and found no other seismic conditions that could he safety functions of the equipment in the area?	Y X	N	U	
Comments (Additio	nal pages may be added as necessary)				
Evaluated by:	Eddie M. Guerra	9/28/2	012	-	

Adam L. Helffrich

Date:

9/28/2012



722

Blender Room

Status: 🕅 N U

Area Walk-By Checklist (AWC)

Room

Floor El.

Bldg. AXLB



File Name: 1-59-1-4-12.jpeg Description: General



File Name: 1-60-1-4-12.jpeg Description: General 2



Status: 🕲 N U

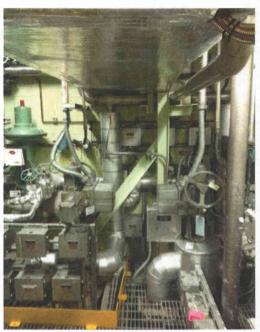
Area Walk-By Checklist (AWC)

Room Blender Room

Floor El. <u>722</u> Bldg. <u>AXLB</u>



File Name: 1-65-1-4-12.jpeg Description: Block wall right to room entrance. East wall



File Name: 1-66-1-4-12.jpeg Description: Block wall located front of entrance. North wall

	C. Rizzo Associat	tes, Inc.					S	heet 22 of 191
Area Walk-By Ch	ecklist (AWC)				Status:	Ŷ	N	U
Room	Boric Acid Pur	np Cubicle B						
Floor El.	752	Bldg.	AXLB					
space below each o	be used to docun f the following q	nent the results uestions may b	of the Area Walk-By near the used to record the results cklist for documenting othe	of judgm	ents and fin			
					Ŷ	N	U	N/A
1. Does anchorage					X			
opening cabinets)? of equipment in t		without necessarily to be free of significant		Y X	N	U	N/A
					Y	N	U	N/A
3. Based on a visua					X		_	
seismic condition conditions of cabl	s (e.g., condition	of supports is						
					Y	N	U	N/A
			adverse seismic spatial		X			
interactions with other equipment in the area (e.g., ceiling tiles and lighting)?								
Related equipment CH-P-2A	on SWEL for this	s area:						

-	Paul C. Rizzo Associates, Inc.	
Area Walk-I	By Checklist (AWC)	
Room	Boric Acid Pump Cubicle B	

Floor El. 752 Bldg. AXLB

Interaction Effects

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?

All piping are well supported in this area.

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No ignition sources found in this area.

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary)

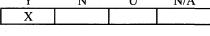
Evaluated by:

Eddie M. Guerra

lung Dellen

Adam L. Helffrich

 (\mathfrak{V}) U Status: Ν Y Ν U N/A Х Y U N/A Ν Х U N/A Y Ν



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Date:

Date:

9/28/2012

9/28/2012



Area Walk-By Checklist (AWC)

Status: 🕅 N U

Room	Boric Acid	Pump Cubicle B	
Floor El.	752	Bldg.	AXLB



File Name: 1-59-1-4-13.jpeg Description: General

Area Walk-B	y Checklist (AW	C)		Status:	(N	
Room	Boric Acid	Tank 1A					
Floor El.	752	Bldg.	AXLB				
This checklist space below ea	ach of the followin	ocument the result ng questions may	ts of the Area Walk-By near or be used to record the results o ecklist for documenting other o	f judgments and fir	tems. The idings.	e	
				Y	N	– U	
			ar to be free of e without necessarily	X			-
There is a sma tank. Gap is n	ll gap between on ot considered sign e north post of the	nificant. One anc	base on the east support post hor bolt is not fully engaged b r thread engagement issue is ju	y half			
				Y	N	U	
2. Does anchor degraded co		in the area appea	r to be free of significant	X		<u> </u>	
				Y	N	U	
raceways and seismic cond	l HVAC ducting a	appear to be free of tion of supports is	the cable/conduit of potentially adverse s adequate and fill eptable limits)?	X		I	1
				Y	N	U	
			y adverse seismic spatial .g., ceiling tiles and	X		<u> </u>	
Related equipn CH-TK-1A	nent on SWEL for	this area:					

Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS Area Walk-By Checklist (AWC) Boric Acid Tank 1A

Floor El. 752 Bldg. AXLB

Interaction Effects

Room

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?

All piping are well supported in this area.

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No ignition sources found in this area.

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary)

Evaluated by:

Eddie M. Guerra

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Adam L. Helffrich

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Y Ν U N/A Х U Y Ν N/A Х Y Ν U N/A X

(Y)

Status:

Y	Ν	U
X		

Date: 9/28/2012

Date:

9/28/2012



Status: 🕅 N U

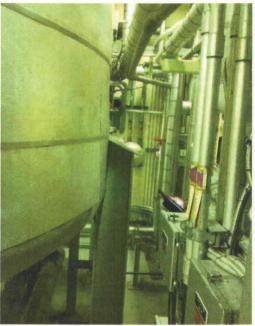
Area Walk-By Checklist (AWC)

Room Boric Acid Tank 1A

Floor El.

<u>752</u> Bldg.

dg. <u>AXLB</u>



File Name: 1-59-1-4-14.jpeg Description: General 1



File Name: 1-60-1-4-14.jpeg Description: General 2



Area Walk-By Checklist (AWC)

Room Boric Acid Tank 1A

Bldg.

Floor El.

752

AXLB



File Name: 1-65-1-4-14.jpeg Description: One anchor bolt not fully engaged on north post by half a thread.



File Name: 1-66-1-4-14.jpeg Description: Gap between nut and base on west post

Status: 🕅 N U

Paul C ENGINEER	C. Rizzo Associate	s, Inc.					:	Sheet 29 of 191
Area Walk-By Ch	ecklist (AWC)				Status:	\odot	N	U
Room	CCW Surge Tan	k		-				
Floor El.	768	Bldg.	AXLB					
space below each of	be used to docume f the following que	nt the results of estions may be	of the Area Walk-By near used to record the result list for documenting othe	s of judgmen	ts and find	ems. The lings.		
1. Does anchorage of					Y X	N	U	N/A
opening cabinets))? of equipment in the		vithout necessarily o be free of significant		Y X	N	U	N/A
3. Based on a visual raceways and HV seismic conditions conditions of cabl	AC ducting appear s (e.g., condition o	to be free of f f supports is ad	potentially adverse dequate and fill	C	Y X	<u>N</u>	<u>U</u>	N/A
4. Does it appear the interactions with lighting)?	at the area is free c other equipment ir	of potentially a a the area (e.g.	dverse seismic spatial , ceiling tiles and	C	Y X	N	U	N/A

Related equipment on SWEL for this area: CC-TK-1

Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS Area Walk-By Checklist (AWC) (\mathfrak{V}) Status: Ν Room CCW Surge Tank Floor El. 768 Bldg. AXLB **Interaction Effects** Y Ν U N/A 5. Does it appear that the area is free of potentially adverse seismic X interactions that could cause flooding or spray in the area? All piping are well supported in this area. Y U N/A Ν 6. Does it appear that the area is free of potentially adverse seismic Х interactions that could cause a fire in the area? No ignition sources found in this area. U N/A Y Ν 7. Does it appear that the area is free of potentially adverse seismic X interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y Ν U 8. Have you looked for and found no other seismic conditions that could X adversely affect the safety functions of the equipment in the area?

Evaluated by:

Eddie M. Guerra

Comments (Additional pages may be added as necessary)

hary Dellary

Adam L. Helffrich

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9/28/2012

9/28/2012

Date:

Date:

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Status: 🕅 N U

Area Walk-By Checklist (AWC)

Room CCW Surge Tank

Floor El.

768

Bldg. AXLB



File Name: 1-59-1-4-15.jpeg Description: General



File Name: 1-60-1-4-15.jpeg Description: General 2

	aul C. Rizzo Asso	ociates, Inc.					S	heet 32 of 191
Area Walk-By	Checklist (AW	C)			Status:	\heartsuit	Ν	U
Room	Charging P	ump Cubicle 1C		-				
Floor El.	722	Bldg.	AXLB					
This checklist a space below ea	ch of the followir	cument the result	s of the Area Walk-By near be used to record the results ecklist for documenting othe	s of judgmen	nts and find			
				-	Y	N	U	N/A
			r to be free of e without necessarily	L	X			
2. Does anchor degraded cor		in the area appea	r to be free of significant	E	Y X	N	U	N/A
raceways and seismic cond	-	appear to be free of the free of the supports is	of potentially adverse adequate and fill	C	Y X	N	U	N/A
interactions lighting)? Two valves wit 1C. The gap a piping does no could close the acceptable, as restraint, as we	with other equipm h reach rods throw t the wall penetra t have lateral supp gap at reach rod the pipe goes throw	nent in the area (e ugh the wall are o tion around each port and its poten wall penetration ough a ceiling pen the valves are ma	y adverse seismic spatial .g., ceiling tiles and on the supply piping to pump rod is approximately 1". Th tial movement in a seismic of and cause binding. Judged metration, which would prov anual valves with reach rod.	ne supply event l ide some	YX	N	U	N/A

Related equipment on SWEL for this area: CH-P-1C

	Paul C. Rizzo Asso	ociates, Inc.		
Area Walk-B	y Checklist (AW	C)		Status:
Room	Charging I	Pump Cubicle 1C		
Floor El.	722	Bldg.	AXLB	

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?

All piping are well supported in this area.

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No ignition sources found in this area.

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary)

Evaluated by:

Eddie M. Guerra

hum Defferry

Atter Mehner

Adam L. Helffrich

Date: 9/28/2012

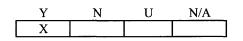
Date: 9/28/2012

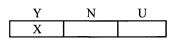
Y U N/A Ν X

Ν

 (\mathfrak{V})

Y U N/A Ν X





U



Status: 🕲 N U

Area Walk-By Checklist (AWC)

Room Charging Pump Cubicle 1C

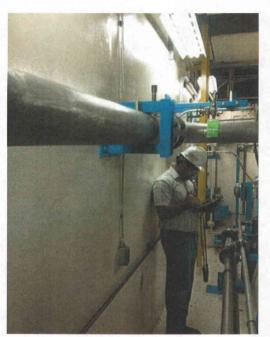
722

Floor El.

Bldg. AXLB



File Name: 1-59-1-4-17.jpeg Description: General



File Name: 1-60-1-4-17.jpeg Description: Pipe is not restrained in the longitudinal direction



U

Status:

(Y)

Ν

Area Walk-By Checklist (AWC)

Room	Charging P	ump Cubicle 1C	Sec. 7	
Floor El.	722	Bldg.	AXLB	



File Name: 1-65-1-4-17.jpeg Description: View of reach rod through wall penetration

	ul C. Rizzo Assoc	ciates, Inc.					S	Sheet 36 of 191
Area Walk-By	Checklist (AWC	C)		Sta	tus:	\odot	N	U
Room	Control Roc	om						
Floor El.	735	Bldg.	SRVB					
This checklist m space below eac	h of the following	cument the result g questions may	ts of the Area Walk-By near be used to record the results ecklist for documenting othe	of judgments an			-	
				Y		N	U	N/A
1. Does anchora	ge of equipment	in the area appea	ar to be free of	X				
potentially ad opening cabir		nditions (if visibl	e without necessarily					· · ·
				Y		N	U	N/A
2. Does anchora	ge of equipment i	in the area appea	ar to be free of significant	X				
raceways and seismic condit	sual inspection fr HVAC ducting ap	ppear to be free of on of supports is	the cable/conduit of potentially adverse s adequate and fill eptable limits)?	Y X		N	U	N/A
				Y		N	U	N/A
4. Does it appea	r that the area is f	free of potentially	y adverse seismic spatial	X				
interactions w lighting)? Control room c ~4' spacing. Ea its four corners SB3-5, SB3-8, a 0097, DSC-0103	rith other equipmo eiling main runne ch ceiling tile (i.e and judged not to nd SB3-9 are ade	ent in the area (e ers are supported e., egg grating) is be a potential fa quate based on a respectively. Th	.g., ceiling tiles and d from concrete ceiling by w s tied to the main runners at alling hazard. Block walls Si calculations DSC-0095_1, D uese calculations are part of	each of B3-1, ISC-				
Related equipme BB-A1	ent on SWEL for	this area:						

RK-NUC-INS-1 PNL-DC1-3 PNL-VITBUS1-2 PNL-VITBUS1-3 Area Walk-By Checklist (AWC) \odot Status: Ν Room Control Room Floor El. 735 Bldg. SRVB **Interaction Effects** Y Ν U Х 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? 6. Does it appear that the area is free of potentially adverse seismic Х interactions that could cause a fire in the area? U Y N 7. Does it appear that the area is free of potentially adverse seismic X interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Several fire extinguishers, chairs, tables, and trash cans in area are all unsecured, but are judged not significant interactions. U Y Ν 8. Have you looked for and found no other seismic conditions that could X adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary) All adjacent panels close to each other are bolted together.

Paul C. Rizzo Associates, Inc.

ENGINEERS & CONSULTANTS

Evaluated by:

Eddie M. Guerra

Churry Dellery

Adam L. Helffrich

the My hants

Date: 9/28/2012

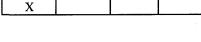
Date:

9/28/2012

N/A



Y	Ν	U	N/A	



Sheet 37 of 191

U

N/A



Area Walk-By Checklist (AWC)

Status: 🕅 N U

Room

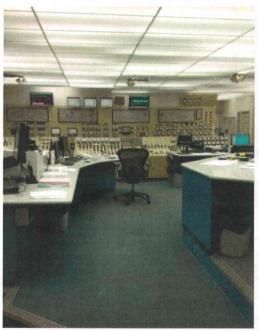
Floor El.

735

Control Room

Bldg. SRVB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-18.jpeg Description: General 1



File Name: 1-60-1-4-18.jpeg Description: Fire extinguisher near computer room



Area Walk-By Checklist (AWC)

Room Control Room

Floor El.

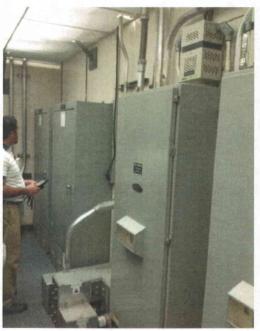
735

SRVB

Bldg.



File Name: 1-65-1-4-18.jpeg Description: Fire extinguisher near computer room



File Name: 1-66-1-4-18.jpeg Description: General 2



735

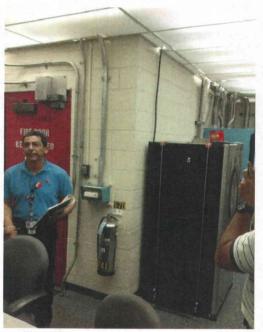
Control Room

Area Walk-By Checklist (AWC)

Room

Floor El.

Bldg. SRVB



File Name: 1-67-1-4-18.jpeg Description: Block wall near computer room



File Name: 1-68-1-4-18.jpeg Description: Fire extinguisher near computer room

Status: 🕅 N U



Area Walk-By Checklist (AWC)

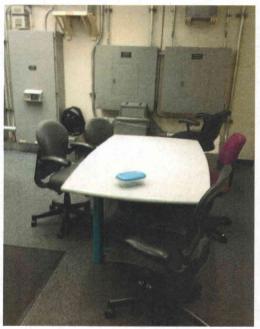
Room Control Room

Floor El.

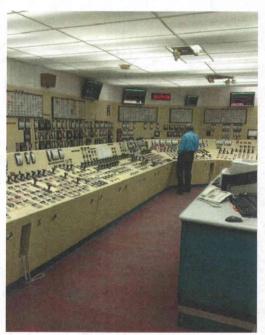
735

SRVB

Bldg.



File Name: 1-69-1-4-18.jpeg Description: Several unrestrained tables, chairs, and trash cans in vicinity



File Name: 1-70-1-4-18.jpeg Description: General 3



Area Walk-By Checklist (AWC)

Room Control Room

Floor El. 735 Bldg. SRVB

File Name: 1-71-1-4-18.jpeg Description: Several LCD screens are secure and are not a falling concern

Paul C. Rizzo Associates, Inc. ENCINEERS & CONSULTANTS			S	Sheet 43 of 191
Area Walk-By Checklist (AWC)	Status:	\odot	N	U
Room DG Room #1				
Floor El. 735 Bldg. DGBX				
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near on space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other c	judgments and find	ems. The ings.		
	Y	N	U	N/A
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?	X			<u> </u>]
	Y	N	U	N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	X			
	Y	N	U	N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	X			
4. Does it appear that the area is free of potentially adverse seismic spatial	Y	N	U	N/A
interactions with other equipment in the area (e.g., ceiling tiles and lighting)?		I		LJ
Related equipment on SWEL for this area: TI-1EE-301				

Area Walk-By Checklist (AWC) (Y)Status: Room DG Room #1 Floor El. 735 Bldg. DGBX **Interaction Effects** Y Ν 5. Does it appear that the area is free of potentially adverse seismic Х interactions that could cause flooding or spray in the area? All piping are well supported in this area. Y Ν 6. Does it appear that the area is free of potentially adverse seismic Х interactions that could cause a fire in the area? No ignition sources found in this area. Y Ν

- 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?
- 8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary)

Evaluated by:

Eddie M. Guerra

hung Dellanny

Adam L. Helffrich

9/28/2012

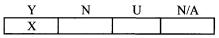
9/28/2012

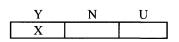
U

U N/A

N

U N/A





DCS	Paul C. Rizzo Associates, In	c.		
	ENGINEERS & CONSULTANTS			

the Mehre I

Date:

Date:



Area Walk-By Checklist (AWC)

Room DG Room #1

Floor El.

735

Bldg. DGBX

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-19.jpeg Description: General

Paul C. Rizzo Associates, Inc.			S	heet 46 of 191
Area Walk-By Checklist (AWC)	Status:	(\mathbf{Y})	N	U
Room DG Room Train A	_			
Floor El. 735 Bldg. DGBX			_	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By nea space below each of the following questions may be used to record the result Additional space is provided at the end of this checklist for documenting othe	ts of judgments and findi	ns. The ngs.		
	Y	N	U	N/A
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?	X			
	Y	N	U	N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	X			
	Y	N	U	N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	X			
	<u> </u>	N	U	N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	X			
Related equipment on SWEL for this area: 1EE-EG-1 EE-P-1A EE-TK-2A LS-1-EE-201-1 MCC-1-E7 MOV-1RW-113B PNL-DGEA-1 PNL-DIGEN-1				

	C. Rizzo Associat	es, Inc.					SI	neet 47 of 19
Area Walk-By Ch	ecklist (AWC)				Status:	\odot	N	U
Room	DG Room Trai	n A						
Floor El.	735	Bldg.	DGBX					
Interaction Effect	s							
5. Does it appear the interactions that <i>All piping are well</i>	could cause flood	ing or spray in			Y X	<u>N</u>	U	
		.			Y	N	U	N/A
6. Does it appear the interactions that c <i>Fuel oil day tank a</i>	could cause a fire	in the area?			X		1	
7. Does it appear th			,		Y X	N	<u>U</u>	N/A
equipment, and t Several unrestraine this area are well b from their wall supp 8. Have you looked adversely affect Soot on ceiling indi	emporary installated fire extinguished below 1g, it is judge ports, and therefor for and found no the safety function icates possible ext port is caused by a sit. This is normal	tions (e.g., scaf rs in the area, red that these e, re the interaction other seismic cons of the equips haust leak. A for downdraft that l and judged a	conditions that could ment in the area? ollow up with plant pe naturally occurs on t non issue.	g)? celerations in nt dislodge t dislodge	Y X	N	U	
Evaluated by:	Eddie M. Guerr		· · · · · · · · · · · · · · · · · · ·	Date:	9/28/2	012	-	
	Adam L. Helffr	hung De	Bray	Date:	9/28/2	012		

Sheat 17 91





735

Status: 🕅 N U

Area Walk-By Checklist (AWC)

Room DG Room Train A

Floor El.

Bldg.

DGBX

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-20.jpeg Description: General 1



File Name: 1-60-1-4-20.jpeg Description: General 2



Area Walk-By Checklist (AWC)

Room DG Room Train A

Floor El.

735

Bldg.

DGBX



File Name: 1-65-1-4-20.jpeg Description: View of nearby fire extinguisher



File Name: 1-66-1-4-20.jpeg Description: View of nearby fire extinguisher



Area Walk-By Checklist (AWC)

Room DG Room Train A

Floor El.

735

DGBX

Bldg.



File Name: 1-67-1-4-20.jpeg Description: View of nearby fire extinguisher



File Name: 1-68-1-4-20.jpeg Description: Soot on ceiling indicates possible exhaust leak inside building

Status: 🕅 N U

Paul Paul	C. Rizzo Associate	es, Inc.					:	Sheet 51 of 191
Area Walk-By Ch	ecklist (AWC)				Status:	\heartsuit	N	U
Room	DG Room Train	BEast Wa	11	_				
Floor El.	735	Bldg.	DGBX					
space below each o	be used to docume of the following qu	ent the result estions may	s of the Area Walk-By nea be used to record the result cklist for documenting oth	s of judgme	ents and find			
 Does anchorage potentially adver opening cabinets 	se seismic condition		r to be free of e without necessarily	[Y X	N	U	N/A
degraded conditi	ons?		r to be free of significant nor and will not reduce the	[capacity	Y X	<u>N</u>	<u>U</u>	N/A
seismic condition	-	r to be free c of supports is	f potentially adverse adequate and fill	[Y X	N	U	N/A
			adverse seismic spatial g., ceiling tiles and	[Y X	<u>N</u>	U	N/A
Related equipment MCC-1-E8	on SWEL for this	area:						

Par ENGIN	Il C. Rizzo Asso	ciates, Inc.					S	heet 52 of
Area Walk-By (Checklist (AWC	C)			Status:	(Y)	N	U
Room	DG Room T	rain BEast Wall						
Floor El.	735	Bldg.	DGBX					
Interaction Effe	cts							
5. Does it appear	that the area is t	free of potentially ac	lverse seismic		Y X	N		N/A
interactions the	at could cause fl	ooding or spray in th	ne area?				.	
		tray causing spray. and is not a floodin	Tracing of the line ro g source.	eveals the				
					Y	N	U	N/A
	that the area is f t could cause a f	free of potentially ac	lverse seismic		X			
					Y	Ν	U	N/A
		ree of potentially ac			X		L.,	
equipment, and	d temporary insta	allations (e.g., scaffe	es, storage of portable olding, lead shielding) onsidered not significa					
					Y	N	U	
		no other seismic co						
Comments (Add	itional pages ma	y be added as neces	sary)					
Evaluated by:	Eddie M. Gu	erra	J.	Date:	9/28/2	012	-	
		Charry Deg	1. Martin	_Date:	9/28/2	012	-	

Adam L. Helffrich

Sheet 52 of 191



Area Walk-By Checklist (AWC)

Room	DG Room Train BEast Wall					
Floor El.	735	Bldg.	DGBX			

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-22.jpeg Description: General 1



File Name: 1-60-1-4-22.jpeg Description: General 2



Area Walk-By Checklist (AWC)

Status: 🕅

N U

Room	DG Room Train BEast Wall				
Floor El.	735	Bldg.	DGBX		

File Name: 1-65-1-4-22.jpeg Description: View of nearby fire extinguisher



File Name: 1-66-1-4-22.jpeg Description: View of nearby fire extinguisher



Area Walk-By Checklist (AWC)

DG Room Train BEast Wall					
735	Bldg	DGBX			
	DG Room				

File Name: 1-67-1-4-22.jpeg Description: View of nearby fire extinguisher



File Name: 1-68-1-4-22.jpeg Description: View of nearby fire extinguisher



Area Walk-By Checklist (AWC)

Room	DG Room Train BEast Wall				
Floor El.	735	Bldg.	DGBX		



File Name: 1-69-1-4-22.jpeg Description: Minor spalling underneath diesel generator



File Name: 1-70-1-4-22.jpeg Description: Fire pipe in proximity of cable tray, is a co2 line

Paul C ENGINEERS	C. Rizzo Associates	s, Inc.					S	heet 57 of 191
Area Walk-By Che	ecklist (AWC)				Status:	\odot	N	U
Room	East Cable Vaul	t						
Floor El.	735	Bldg.	SFGB					
space below each of	be used to docume the following que	nt the results estions may be	of the Area Walk-By near e used to record the results klist for documenting othe	s of judgmen	ts and find			
					Y	N	U	N/A
 Does anchorage o potentially advers opening cabinets) 	e seismic conditio		to be free of without necessarily	L	_X			J
					Y	N	U	N/A
2. Does anchorage o degraded condition		e area appear	to be free of significant		X			
2 Paged on a viewal	increation from 4	haflaan da (h		Г	Y v	N	U	N/A
3. Based on a visual raceways and HVA seismic conditions conditions of cable	AC ducting appear (e.g., condition o	r to be free of f supports is a	potentially adverse dequate and fill	L	X	<u>I</u>		<u> </u>
4. Does it appear tha interactions with lighting)?			adverse seismic spatial	C	Y X	<u>N</u>	U	N/A
Related equipment of MCC-1-E12 MCC-1-E6 TRS-BIP-PNL1	on SWEL for this a	area:						

	Paul C. Rizzo Associates, Inc.			S	heet 58 of 191
Area Walk-B	y Checklist (AWC)	Status:	\mathfrak{V}	N	U
Room	East Cable Vault				
Floor El.	735 Bldg. SFGB				
Interaction E	ffects				
5. Does it appo	ear that the area is free of potentially adverse seismic	Y	N	U	N/A
interactions	that could cause flooding or spray in the area? n pipe above TRS BIP PNL 1 judged to be rigidly supported.	_			<u> </u>
		Y	N	U	N/A
	ear that the area is free of potentially adverse seismic that could cause a fire in the area?	X			
7 Does it appe	ear that the area is free of potentially adverse seismic	Y	N	U	N/A
interactions	s associated with housekeeping practices, storage of portable and temporary installations (e.g., scaffolding, lead shielding)?				<u> </u>
Unrestrained j not significant	fire extinguishers and a poorly secured ladder in area are considere	ed			
		Y	N	U	
	ooked for and found no other seismic conditions that could ffect the safety functions of the equipment in the area?	X			
A mostly rod h MCC-1-E6 and	Additional pages may be added as necessary) nung cable tray (with minimal lateral supports) has a gap of about 4 d MCC-1-E12. It is judged that the available gap is adequate to action of the tray with these MCC's.	" <i>to</i>			

Date:

Date:

9/28/2012

9/28/2012

Evaluated by:

Etter Uchna It

Eddie M. Guerra

hum Dellary

Adam L. Helffrich



Area Walk-By Checklist (AWC)

Room East Cable Vault

Floor El.

735

Bldg. SFGB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-23.jpeg Description: General 1



File Name: 1-60-1-4-23.jpeg Description: General 2



Area Walk-By Checklist (AWC)

Room East Cable Vault

Floor El.

735

SFGB

Bldg.



File Name: 1-65-1-4-23.jpeg Description: Fire pipe over panel is rigidly supported



File Name: 1-67-1-4-23.jpeg Description: Fire extinguisher and loose ladder in area



Area Walk-By Checklist (AWC)

Status: 🏵 N U

Room	East Cable Vault		
		1	

Bldg.

Floor El.

735

SFGB



File Name: 1-68-1-4-23.jpeg Description: Fire extinguisher in area

Pa ENG	ul C. Rizzo Assoc	ciates, Inc.					S	heet 62 of 191
Area Walk-By	Checklist (AWC	()			Status:	Ŷ	N	U
Room	Emer Swgr	Room Train A						
Floor El.	713	Bldg.	SRVB					
This checklist m space below eac	ch of the following	cument the result g questions may	ts of the Area Walk-By near be used to record the results ecklist for documenting other	of judgments				
					Y	N	U	N/A
			ar to be free of e without necessarily	L	X			
					Y	N	U	N/A
2. Does anchora degraded con		in the area appea	r to be free of significant		X			
raceways and seismic condit		opear to be free on of supports is	of potentially adverse adequate and fill		Y X	N	U	N/A
					Y X	N	<u> </u>	N/A
interactions w lighting)? INV-VITBUS 1 and there will be small screws, bu SB1-11 and SB1 respectively. Blo	vith other equipme panel has a gap o e no impact to the at appears to be ri -12 are adequate pock wall SB1-15 is	ent in the area (e f 1" to a wall. In wall. HVAC gru ugged, it is not a under calculations s adequate under	y adverse seismic spatial .g., ceiling tiles and t is judged that this gap is ad ill over INV-Vitbus1-3 is held c credible fall hazard. Block on DSC-0090 and DSC-0091 r calculation DSC-0093. The sis in support of IE80-11	d with wall I,	_			
	ent on SWEL for							
BAT-CHG-3 BAT-CHG-1 480VUS-1-8-N 4KVS-1AE DC-SWBD1-1 DC-SWBD1-3	S. T	NL-AC1-E1 AF-SW-65 RANS-1-8N RF-1015						

DC-SWBD1-4 INV-VITBUS1-1 INV-VITBUS1-3

ENG	NEERS & CONSULTANTS					
Area Walk-By	Checklist (AW	C)		Status:	Ŷ	
Room	Emer Swg	r Room Train A		_		
Floor El.	713	Bldg.	SRVB			
Interaction Effe	ects			Y	N	
		free of potentially flooding or spray in			N	10
		free of potentially fire in the area?	v adverse seismic	Y	N	

Danger fire sign posted on battery room door. Batteries are well restrained and no potential interaction or falling of objects that could short the battery terminals and cause a fire were found. Judged adequate.

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Several unrestrained fire extinguishers in area are judged not significant.

Paul C. Rizzo Associates, Inc.

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary) In general, all cabinets appear to be bolted together if within proximity of another cabinet

Evaluated by:

the My have It

Eddie M. Guerra

Chury Dellary

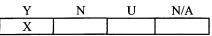
Adam L. Helffrich

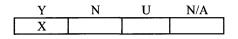
U

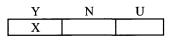
N/A

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9/28/2012

Date:

Date:

9/28/2012





Area Walk-By Checklist (AWC)

Room	Emer Swgr Room Train A			
Floor El.	713	Bldg.	SRVB	

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-25.jpeg Description: General 1



File Name: 1-60-1-4-25.jpeg Description: General 2



Area Walk-By Checklist (AWC)

Room	Emer Swgr Room Train A			
Floor El.	713	Bldg.	SRVB	

File Name: 1-65-1-4-25.jpeg Description: Block wall and unrestrained fire extinguisher in area.



File Name: 1-66-1-4-25.jpeg Description: View of nearby fire extinguisher



Area Walk-By Checklist (AWC)

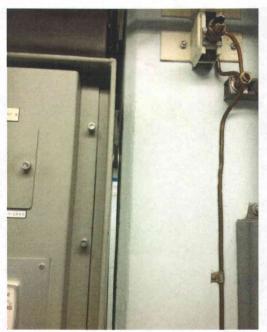
Room	Emer Swgr Room Train A		

Bldg.

Floor El.

713

SRVB



File Name: 1-67-1-4-25.jpeg Description: Gap of 1" between VITBUS 1 and wall judged adequate



File Name: 1-68-1-4-25.jpeg Description: Light has burn marks on it, appears disused. Considered a non issue.



Area Walk-By Checklist (AWC)

Room	Emer Swgr	Room Train A		1
Floor El.	713	Bldg.	SRVB	



File Name: 1-69-1-4-25.jpeg Description: View of nearby fire extinguisher



File Name: 1-70-1-4-25.jpeg Description: DC-SWGR-3 and DC-SWBD-3 are bolted together,



Area Walk-By Checklist (AWC)

Status: 🕅 N U

Room	Emer Swgr Room Train A				

Floor El. 713 Bldg. SRVB



File Name: 1-71-1-4-25.jpeg Description: HVAC grill over INV-VITBUS1-3 judged adequately restrained.



File Name: 1-72-1-4-25.jpeg Description: View of nearby fire extinguisher



Area Walk-By Checklist (AWC)

Status: 🕅 N U

Room	Emer Swgr Room Train A				
Floor El.	713	Bldg.	SRVB		



File Name: 1-75-1-4-25.jpeg Description: View of unused cables in cable tray.

	C. Rizzo Associa rs & consultants	ites, Inc.				S	heet 70 of 191
Area Walk-By Ch	ecklist (AWC)			Status:	\heartsuit	N	U
Room	Emer Swgr Ro	oom Train B					
Floor El.	713	Bldg.	SRVB			_	
space below each o	be used to docur of the following of	ment the results	s of the Area Walk-By near one be used to record the results of cklist for documenting other co	judgments and fine		_	
				Y	N	U	N/A
 Does anchorage potentially adver opening cabinets 	rse seismic condi	••	r to be free of e without necessarily	X			
				Y	N	U	N/A
		the area appear	r to be free of significant	X			
	I inspection fror AC ducting app as (e.g., condition	ear to be free on of supports is	f potentially adverse adequate and fill	Y X	<u>N</u>	U	N/A
				Y	N	U	N/A
			adverse seismic spatial g., ceiling tiles and	X			
lighting)? Block wall SB1-6, 1 0086 and DSC-008	SB1-7, and SB1- 87, respectively. ations are part o	8 are adequate Block wall SB f a follow-up se	under calculations DSC-0085 1-9 adequate under calculation eismic analysis in support of II	n DSC-			

EN	GINEERS & CONSULTANTS			
Area Walk-By	Checklist (AWC)			Status:
Room	Emer Swgr R	oom Train B		_
Floor El.	713	Bldg.	SRVB	

Interaction Effects

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Shower in area judged rugged and not a spray hazard.

Paul C. Rizzo Associates, Inc.

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?

Fire signs posted on battery room door. Batteries are well restrained and no potential interaction or falling of objects that could short the battery terminals and cause a fire were found. Judged adequate.

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

Potential falling from several fire extinguishers in area is judged not a concern.

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary) In general, all cabinets appear to be bolted together if within proximity of another cabinet

Evaluated by:

the Mahina &

Eddie M. Guerra

then Dellin

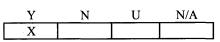
Adam L. Helffrich

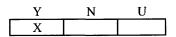
N/A Ν U Y X

(

N

Y	N	U	N/A
X			





Date:

Date:

9/28/2012

9/28/2012

U



713

Status: 🕅 N U

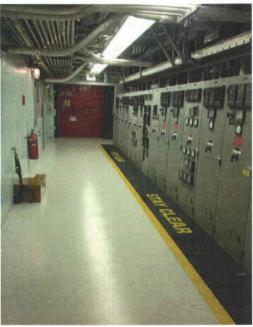
Area Walk-By Checklist (AWC)

Room Emer Swgr Room Train B

Floor El.

____ Bldg.

SRVB



File Name: 1-59-1-4-26.jpeg Description: General 1



File Name: 1-60-1-4-26.jpeg Description: General 2



Room	Emer Swgr	Room Train B		
Floor El.	713	Bldg.	SRVB	



File Name: 1-65-1-4-26.jpeg Description: Block wall, fire ext, fire danger sign



File Name: 1-66-1-4-26.jpeg Description: SUB STA 1-9 BUS 1P, with un-racked breaker



Room	Emer Swgr	Emer Swgr Room Train B				
Floor El.	713	Bldg.	SRVB			



File Name: 1-67-1-4-26.jpeg Description: SUB STA 1-9 BUS 1P, with un-racked breaker



File Name: 1-69-1-4-26.jpeg Description: View of unrestrained fire extinguisher, and properly secured box.



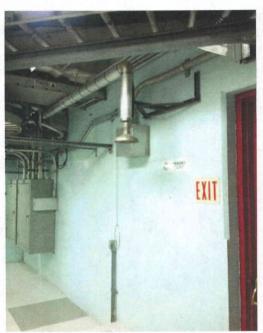
U

Status: 🕅 N

Room	Emer Swgr	Room Train B		
Floor El.	713	Bldg.	SRVB	



File Name: 1-70-1-4-26.jpeg Description: View of unrestrained fire ext, ladder is properly secured.



File Name: 1-71-1-4-26.jpeg Description: Emergency shower is rugged, judged not a spray concern



Room	Emer Swgr R	loom Train B	Sec. Sec.	
Floor El.	713	Bldg.	SRVB	



File Name: 1-72-1-4-26.jpeg Description: Cable tray has long rod support, but is laterally braced and judged a non issue

Paul C ENGINEER	C. Rizzo Associates	<u>, Inc.</u>				S	heet 77 of 191
Area Walk-By Che	ecklist (AWC)			Status:	\heartsuit	N	U
Room	INTS Pump Cub	cle 1(A)					
Floor El.	705	Bldg.	INTS				
space below each of	be used to docume the following que	nt the results stions may be	of the Area Walk-By near one or used to record the results of jud klist for documenting other comn	gments and find			
1 Does anchorage o	f equipment in the	area annear i	to be free of	Y	N	U	N/A
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 			I		11		
2 Dece anahorace a	forming in the			Y X	N	U	N/A
2. Does anchorage of degraded condition Surface rust at base	ons?		to be free of significant ed acceptable.				11
				Y	N	U	N/A
3. Based on a visual raceways and HVA seismic conditions conditions of cable	AC ducting appear (e.g., condition of	to be free of supports is a	potentially adverse dequate and fill	X			
				Y	N	U	N/A
interactions with lighting)?	other equipment in PNL 1FP1 is in co	the area (e.g	adverse seismic spatial ., ceiling tiles and onduit. Lamp may impact condui	T,	I		<u> </u>

Related equipment on SWEL for this area: VS-D-57A1 WR-P-1A Area Walk-By Checklist (AWC)

Room	INTS Pum	p Cubicle 1(A)		
Floor El.	705	Bldg.	INTS	

Interaction Effects

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? *All piping are well supported in this area.*

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? *No ignition sources found in this area.*

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

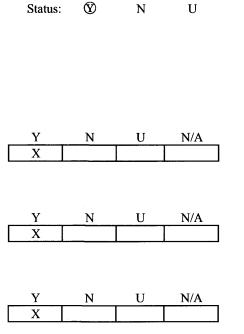
Comments (Additional pages may be added as necessary)

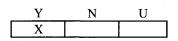
Evaluated by:

Eddie M. Guerra

hun Deller

Adam L. Helffrich





Atter Mehne It

Date:

Date:

9/28/2012

9/28/2012



Area Walk-By Checklist (AWC)

Room INTS Pump Cubicle 1(A)

705

Floor El.

Bldg. INTS



File Name: 1-59-1-4-27.jpeg Description: General



File Name: 1-60-1-4-27.jpeg Description: General 2



Room	INTS Pump	o Cubicle 1(A)		
Floor El.	705	Bldg.	INTS	



File Name: 1-65-1-4-27.jpeg Description: Light above Cabinet PNL 1FP1. Judged non-damaging.

	C. Rizzo Associat 8 & CONSULTANTS	es, Inc.				S	Sheet 81 of 191
Area Walk-By Che	ecklist (AWC)			Status:	\odot	N	U
Room	INTS Pump Cu	bicle 2(B)					
Floor El.	705	Bldg.	INTS			_	
space below each of	be used to docum the following qu	ent the results sestions may b	of the Area Walk-By near on e used to record the results of klist for documenting other co	judgments and fin		-	
				Y	N	U	N/A
1. Does anchorage of potentially adverse opening cabinets)	se seismic condit		to be free of without necessarily	X			
2 Daas anahamaa a	£		to be force of the force of	Y	N	U	N/A
2. Does anchorage of degraded condition		ne area appear	to be free of significant				
Minor surface rust of	on vertical pump	judged a non i	issue				
3. Based on a visual raceways and HV, seismic conditions conditions of cabl	AC ducting appe s (e.g., condition	ar to be free of of supports is a	f potentially adverse adequate and fill	Y X	<u>N</u>	U	N/A
			adverse seismic spatial g., ceiling tiles and	Y	<u>N</u>	U	N/A
Related equipment o VS-D-57B1 VS-F-57B WR-P-1B	on SWEL for this	area:					

EN	GINEERS & CONSULTANTS			
Area Walk-By Checklist (AWC)				
Room	INTS Pump (Cubicle 2(B)		_
Floor El.	705	Bldg.	INTS	

Interaction Effects

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?

Paul C. Rizzo Associates, Inc.

All piping are well supported in this area.

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No ignition sources found in this area.

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

Temporary scaffold are secured and judged a non issue. Nearby ladders are secure.

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary)

Evaluated by:

Atto Myhana X

Eddie M. Guerra

hum Dellan

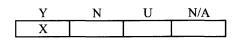
Adam L. Helffrich

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Y U N/A Ν X

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Sheet 82 of 191

Date:

Date:

9/28/2012

9/28/2012





705

Status: 🕅 N U

Area Walk-By Checklist (AWC)

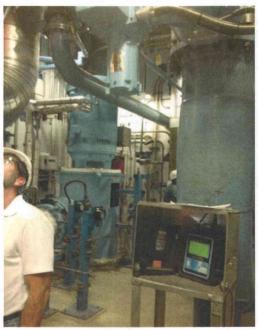
Room INTS Pump Cubicle 2(B)

Floor El.

Bldg. INTS



File Name: 1-59-1-4-28.jpeg Description: General



File Name: 1-60-1-4-28.jpeg Description: General 2



Room	INTS Pump Cubicle 2(B)				
Floor El.	705	Bldg.	INTS		



File Name: 1-65-1-4-28.jpeg Description: Surface rust on pump 1WR P 1B not an issue



File Name: 1-66-1-4-28.jpeg Description: Temporary scaffold not an issue

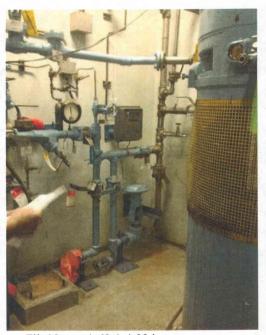




Room	INTS Pump	Cubicle 2(B)		_
Floor El.	705	Bldg.	INTS	



File Name: 1-67-1-4-28.jpeg Description: Ladders are secure



File Name: 1-68-1-4-28.jpeg Description: General 3

Paul ENGINE	C. Rizzo Associates, Inc. ERS & CONSULTANTS				S	heet 86 of 191
Area Walk-By C	hecklist (AWC)		Status:	Y	N	U
Room	INTS Pump Cubicle 3(C)					
Floor El.	<u>705</u> Bldg. <u>INTS</u>					
This checklist may space below each	Completing Checklist y be used to document the results of the Area Walk-By r of the following questions may be used to record the res s provided at the end of this checklist for documenting of	sults of judgment				
			Y	N	U	N/A
-	e of equipment in the area appear to be free of erse seismic conditions (if visible without necessarily ts)?	L	X			
			Y	N	U	N/A
degraded condi	has two bolts with significant corrosion. CR 2012-1390			X		LJ
		r	Y	N	U	N/A
raceways and H seismic condition	al inspection from the floor, do the cable/conduit VAC ducting appear to be free of potentially adverse ons (e.g., condition of supports is adequate and fill ble trays appear to be inside acceptable limits)?	L	X			<u> </u>
4 Does it appear	that the area is free of potentially adverse seismic spatia	ı [Y X	<u>N</u>	U	N/A
interactions with lighting)?	h other equipment in the area (e.g., ceiling tiles and					<u>.</u>
	eeder breaker 4B is not considered a significant interaction of the second state of th	tion				

VS-D-57C1

Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS Area Walk-By Checklist (AWC)

Room INTS Pump Cubicle 3(C) Floor El. 705 Bldg. INTS

Interaction Effects

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? All piping are well supported in this area.

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?

No ignition sources found in this area.

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Temporary scaffold judged non damaging to surrounding piping.

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary)

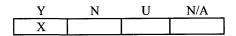
Evaluated by:

Eddie M. Guerra

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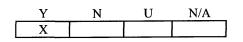
Adam L. Helffrich

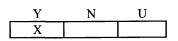
Status:



N

Y	Ν	U	N/A
X			





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Sheet 87 of 191

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9/28/2012

9/28/2012

Date:

Date:



Status: Y 🕅 U

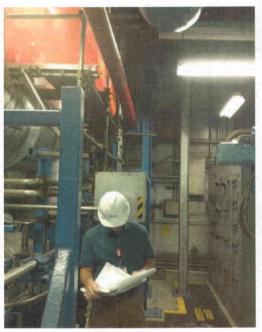
Area Walk-By Checklist (AWC)

 Room
 INTS Pump Cubicle 3(C)

 Floor El.
 705
 Bldg.
 INTS



File Name: 1-59-1-4-29.jpeg Description: General 1



File Name: 1-60-1-4-29.jpeg Description: General 2



Status: Y 🕲 U

Room	INTS Pump Cubicle 3(C)				
Floor El	705	Bldg	INTS		



File Name: 1-65-1-4-29.jpeg Description: View of light above feed breaker. Judged not a concern.



File Name: 1-66-1-4-29.jpeg Description: Temp scaffold judged non damaging to surrounding piping





Status: Y 🕅 U

Room	INTS Pump Cubicle 3(C)				
Floor El.	705	Bldg.	INTS		



File Name: 1-67-1-4-29.jpeg Description: Scaffold deficient tag



File Name: 1-68-1-4-29.jpeg Description: Corroded bolt near pump. Bolt hold nothing

	aul C. Rizzo Associ Gineers & consultants	ates, Inc.					S	heet 91 of 191
Area Walk-By	Checklist (AWC)				Status:	\heartsuit	N	U
Room	LHSI Pump	B						
Floor El.	751	Bldg.	SFGB					
This checklist r space below ea	ch of the following	ument the results questions may b	s of the Area Walk-By near o be used to record the results o cklist for documenting other o	of judgment				
				 	Y	<u>N</u>	U	N/A
			r to be free of e without necessarily	L	X	,		
2 December		41	ute ha free of significant	Г	Y X	N	U	N/A
2. Does anchor degraded cor		i the area appea	r to be free of significant	L				L
2 Pased on a v	visual inspection fro	m the floor de	the apple/conduit	· [Y X	<u>N</u>	U	N/A
raceways and seismic cond		pear to be free o on of supports is	f potentially adverse adequate and fill	L	<u> </u>	I		
					Y	N	U	N/A
			v adverse seismic spatial g., ceiling tiles and		X			

Related equipment on SWEL for this area: SI-P-1A

U Area Walk-By Checklist (AWC) Status: (Y)Ν Room LHSI Pump 1B Floor El. 751 Bldg. SFGB Y Ν U X 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? All piping are well supported in this area. Y Ν U Х 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No ignition sources found in this area. U Ν Y Х 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary)

Evaluated by:

Eddie M. Guerra

hang 10 Mary

Adam L. Helffrich

the When It

9/28/2012

9/28/2012

Date:

Date:

Interaction Effects

Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS

N/A

N/A

N/A

Y	Ν	U
X		



Area Walk-By Checklist (AWC)

Room LHSI Pump 1B

Floor El.

751

Bldg. SFGB



File Name: 1-59-1-4-31.jpeg Description: General

	aul C. Rizzo Asso	ciates, Inc.					S	heet 94 of 191
Area Walk-By	Checklist (AWC	C)		St	atus:	\odot	N	U
Room	Main Stean	n Valve Room		_				
Floor El.	751	Bldg.	SFGB					
This checklist a space below ea	ch of the followin	cument the result g questions may	s of the Area Walk-By nea be used to record the result ecklist for documenting othe	s of judgments ar				
				Y	•	N	U	N/A
1. Does anchor	age of equipment	in the area appea	r to be free of	X				
	dverse seismic con		e without necessarily					
				Y	,	N	U	N/A
2. Does anchor	age of equipment	in the area appea	r to be free of significant			1	0	
degraded co		in the area appea			<u> </u>			LJ
				Y		N	U	N/A
raceways and seismic cond	visual inspection fi HVAC ducting a itions (e.g., condit cable trays appea	ppear to be free of the free of the second s	of potentially adverse adequate and fill		<u> </u>			
				Y		N	U	<u>N/A</u>
interactions			y adverse seismic spatial .g., ceiling tiles and					
lighting)? A damaged pipe insulation near valve MOV-IMS-105 was judged to be due to servicing of the valve and not a seismic concern. A pipe connected to a containme penetration 89 (valve TV-ISV-100A is on this pipe) has a gap of 1/8" to a knee bra mounted on Safeguards Building. The effect of differential building displacements this elevation between the two buildings was investigated and found that the pipe of adequate flexibility to accommodate the demand seismic displacements of the two buildings.								
Related equipn MCC-1-E13 MOV-1MS-10 PCV-1MS-101 PNL-1MS-101 PNL-1MS-104 SV-MS-104B	C A	this area:						

SV-MS-104B TV-1MS-101C Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS

Area Walk-By Ch	ecklist (AWC)				Status:	0	N	U
Room	Main Steam Val	ve Room						
Floor El.	751	Bldg.	SFGB					
Interaction Effect	S				Y	N	U	N/A
5. Does it appear th interactions that All piping are well	could cause floodin	ng or spray in						
					Y	N	<u> </u>	N/A
6. Does it appear the interactions that constructions that constructions that construction sources and the sources of the sour	could cause a fire in	the area?	adverse seismic		X			
		6			Y X	N	U	N/A
 Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Ladder in lower area is loosely secured thus judged not to be a concern since there are no soft targets in the vicinity. Have you looked for and found no other seismic conditions that could 						N	U	
	the safety function							
Comments (Additi	onal pages may be	added as neco	essary)					
Evaluated by:	Eddie M. Guerra	Idio UZ	hinest	Date:	9/28/2	2012		
	Adam L. Helffrid	h	flerne Lerne	Date:	9/28/2	2012		





U (\mathbf{Y}) Ν Status:

Area Walk-By Checklist (AWC)

Room	Main Steam Valve Room			
Floor El.	751	Bldg.	SFGB	

Bldg.



File Name: 1-60-1-4-32.jpeg Description: General 1



Room	Main Stea	m Valve Room		6 . L.
Floor El.	751	Bldg.	SFGB	



File Name: 1-65-1-4-32.jpeg Description: Ducting in area adequately supported



Area Walk-By Checklist (AWC)

Room	Main Steam Valve Room				
Floor El.	751	Bldg.	SFGB		



File Name: 1-67-1-4-32.jpeg Description: General 3



File Name: 1-68-1-4-32.jpeg Description: General 4

Status: 🕅 N U



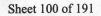
Room	Main Steam	n Valve Room		
Floor El.	751	Bldg.	SFGB	



File Name: 1-69-1-4-32.jpeg Description: Spalled grout on main steam support, not significant



File Name: 1-70-1-4-32.jpeg Description: Insulation damage believed to be due to valve servicing MOV 1 MS 105





Room	Main Steam Valve Room				
Floor El.	751	Bldg.	SFGB		



File Name: 1-71-1-4-32.jpeg Description: Boxes, secure.



File Name: 1-72-1-4-32.jpeg Description: Ladder, loosely secured.



U

Status: 🕲 N

Area Walk-By Checklist (AWC)

Room	Main Steam Valve Room	

Floor El.

751

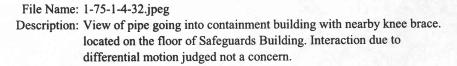
Bldg.

SFGB



File Name: 1-74-1-4-32.jpeg Description: Fire line is secure.





	ul C. Rizzo Associates, Inc.			Sh	eet 102 of 191
Area Walk-By	Checklist (AWC)	Status:	\odot	N	U
Room	Motor Generator Room				
Floor El.	713 Bldg. <u>SRVB</u>				
This checklist m space below eac	r Completing Checklist hay be used to document the results of the Area Walk-By near one ch of the following questions may be used to record the results of e is provided at the end of this checklist for documenting other co	judgments and find			
		Y	N	U	N/A
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?		X			<u> </u>
		Y	N	U	N/A
2. Does anchora degraded con	age of equipment in the area appear to be free of significant ditions?	X			II
2 Deceder of		Y	N	U	N/A
raceways and seismic condition	l inspection from the floor, do the cable/conduit AC ducting appear to be free of potentially adverse s (e.g., condition of supports is adequate and fill le trays appear to be inside acceptable limits)?	X			<u> </u>
		Y	N	U	N/A
	ar that the area is free of potentially adverse seismic spatial with other equipment in the area (e.g., ceiling tiles and	X			
lighting)?					

Related equipment on SWEL for this area: REAC-TR-SWGR-1A

Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS

EAN	SINTERS & CONSULTANTS				
Area Walk-By Checklist (AWC)			(\mathbf{Y})	Ν	U
Room	Motor Generator Room				
Floor El.	<u>713</u> Bldg. <u>SRVB</u>				
Interaction Ef	fects				
		Y	N	U	N/A
	ar that the area is free of potentially adverse seismic	X			
	that could cause flooding or spray in the area? well supported in this area.				
		Y	N	U	N/A
6. Does it appea	ar that the area is free of potentially adverse seismic	X			
	hat could cause a fire in the area?				
No ignition sou	rces found in this area.				
		Y	N	U	N/A
7 Does it appe	ar that the area is free of potentially adverse seismic	X			
interactions equipment, a	associated with housekeeping practices, storage of portable and temporary installations (e.g., scaffolding, lead shielding)?				
Unrestrained fi	re extinguishers in area are not considered significant.				
		Y	Ν	U	_
8. Have you loo	oked for and found no other seismic conditions that could	X			
adversely affect the safety functions of the equipment in the area?					
Comments (A	dditional pages may be added as necessary)				
	r supply cabinet, logic cabinet, power cabinet 1BD, and power cabinet				
	after market air conditioning units added to them. AC units appear to				
be lightweight	and judged not to affect the structural integrity of the cabinets.				

Evaluated by:

Eddie M. Guerra

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Atter Mahra It

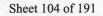
Date:

Date:

9/28/2012

9/28/2012

Adam L. Helffrich





Area Walk-By Checklist (AWC)

Room Motor Generator Room

Floor El.

713

Bldg. SRVB



File Name: 1-59-1-4-33.jpeg Description: General



File Name: 1-60-1-4-33.jpeg Description: General 2



Room	Motor Gene	erator Room		
Floor El.	713	Bldg.	SRVB	



File Name: 1-65-1-4-33.jpeg Description: View of carts, ladders and fire extinguisher in the area



File Name: 1-66-1-4-33.jpeg Description: View of AC units modification for several cabinets.

DCQ Pa ENC	IUI C. Rizzo Assoc	ciates, Inc.				Sh	eet 106 of 191
Area Walk-By Checklist (AWC) Status: 🕅					N	U	
Room	Normal Swi	tchgear Area					
Floor El.	713	Bldg.	SRVB				
This checklist n space below eac	ch of the following	cument the result g questions may	s of the Area Walk-By near on be used to record the results of cklist for documenting other co	judgments and find			
				Y	N	U	N/A
	age of equipment		r to be free of e without necessarily	X			
opening cabin2. Does anchora degraded con	age of equipment i	in the area appea	r to be free of significant	Y X	N	U	N/A
				Y	N	U	N/A
raceways and seismic condition	isual inspection fr HVAC ducting ap tions (e.g., conditi cable trays appear	ppear to be free c on of supports is	of potentially adverse adequate and fill	X			
				Y	N	U	N/A
			v adverse seismic spatial g., ceiling tiles and	X			[]
Related equipm	ent on SWEL for	this area:					

TRANS-1-8N1

ERS & CONSULTANTS			
Area Walk-By Checklist (AWC)			
Normal Switch	igear Area		
713	Bldg.	SRVB	
	necklist (AWC)	necklist (AWC)	necklist (AWC) Normal Switchgear Area

Interaction Effects

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? All piping are well supported in this area.

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No ignition sources found in this area.

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary)

Evaluated by:

Eddie M. Guerra

hung Dellarun

Adam L. Helffrich

U

N/A

N/A

N/A

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Y

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Y	Ν	U
X		

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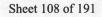
Date:

Date:

9/28/2012

9/28/2012

Paul C. Rizzo Associates, Inc.





Area Walk-By Checklist (AWC)

Room Normal Switchgear Area

713

Floor El.

Bldg. SRVB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-34.jpeg Description: General



File Name: 1-60-1-4-34.jpeg Description: Top entry conduit with flexible joints judged adequate



Area Walk-By Checklist (AWC)

Room	Normal Switchgear Area				
Floor El.	713	Bldg.	SRVB		



File Name: 1-66-1-4-34.jpeg Description: No connection between cage and transformer, approx 2 in gap, judged a non issue.



File Name: 1-67-1-4-34.jpeg Description: No connection between cage and transformer, approx 2 in gap, judged a non issue.

			Sh	eet 110 of 191	
Area Walk-B	y Checklist (AWC)	Status:	Y	\mathbb{N}	U
Room	Pipe Penetration C				
Floor El.	722 Bldg. SFGB				
This checklist space below ea	For Completing Checklist may be used to document the results of the Area Walk-By near one ach of the following questions may be used to record the results of ace is provided at the end of this checklist for documenting other co	judgments and find			
		Y	N	U	N/A
	rage of equipment in the area appear to be free of	X			
potentially a opening cab	adverse seismic conditions (if visible without necessarily pinets)?	Y	N	U	N/A
2. Does ancho degraded co	rage of equipment in the area appear to be free of significant onditions?	X			<u> </u>
		Y	N	U	N/A
raceways an seismic conc	visual inspection from the floor, do the cable/conduit d HVAC ducting appear to be free of potentially adverse ditions (e.g., condition of supports is adequate and fill f cable trays appear to be inside acceptable limits)?	X	I		
		Y	N	U	N/A
	ear that the area is free of potentially adverse seismic spatial with other equipment in the area (e.g., ceiling tiles and	X			<u>. </u>
Related equipt TV-1BD-1004 TV-1CV-102 TV-1CV-150F					

Paul C. Rizzo Associates, Inc. Area Walk-By Checklist (AWC) Pipe Penetration C 722 Bldg. SFGB

Interaction Effects

Room

Floor El.

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?

All piping are well supported in this area.

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No ignition sources found in this area.

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Several potential seismic interactions found (see Photos), all judged not significant, except one. Temporary bullet shield placed by Security poses risk to adjacent Pressure Transmitter. CR-2012-14020 was generated. A follow-up walkdown showed the barrier moved and properly secured.

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Several sources of minor corrosion in room (see photos). Only two instances were significant. CR-2012-13970 and CR-2012-13971 were generated to address corrosion on Component TV-1CC-110F2 and Valve 1AC-1150, respectively. Both valves are currently operable. Minor cracking on the east wall was judged as surface cracking and not significant.

Comments (Additional pages may be added as necessary)

Evaluated by:

titte Il fine 1%

Eddie M. Guerra

hund Deflore

Adam L. Helffrich

Y	N	U
	Х	

N X

Y U N/A Х

Y	N	U	N/A
X			

U

N/A

U

N

Status:

Y

Y

9/28/2012

9/28/2012

Date:

Date:



722

Pipe Penetration C

Status: Y 🕅 U

Area Walk-By Checklist (AWC)

Room

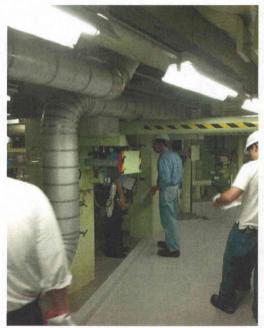
Floor El.

Bldg. SFGB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-38.jpeg Description: General



File Name: 1-60-1-4-38.jpeg Description: General 2



Status: Y 🕲 U

Area Walk-By Checklist (AWC)

Room Pipe Penetration C

Bldg.

Floor El.

722

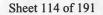
SFGB



File Name: 1-65-1-4-38.jpeg Description: Noted minor corrosion in area



File Name: 1-66-1-4-38.jpeg Description: Noted minor corrosion in area





Status: Y 🕲 U

Area Walk-By Checklist (AWC)

Room Pipe Penetration C

Floor El. <u>722</u> Bldg. <u>SFGB</u>



File Name: 1-67-1-4-38.jpeg Description: Noted minor corrosion in area



File Name: 1-68-1-4-38.jpeg Description: Noted minor corrosion in area



Status: Y 🕅 U

Area Walk-By Checklist (AWC)

 Room
 Pipe Penetration C

 Floor El.
 722
 Bldg.
 SFGB



File Name: 1-69-1-4-38.jpeg Description: Noted corrosion in area, CR-2012-13971 initiated



File Name: 1-70-1-4-38.jpeg Description: Noted corrosion in area, CR-2012-13970 initiated



Status: Y 🕅 U

Room	Pipe Penetration C		

Floor El. <u>722</u> Bldg. <u>SFGB</u>



File Name: 1-71-1-4-38.jpeg Description: Noted corrosion in area, CR-2012-13970 initiated



File Name: 1-72-1-4-38.jpeg Description: Noted corrosion in area, CR-2012-13970 initiated



Status: Y 🕅 U

Area Walk-By Checklist (AWC)

Room Pipe Penetration C

Floor El.

722

SFGB

Bldg.





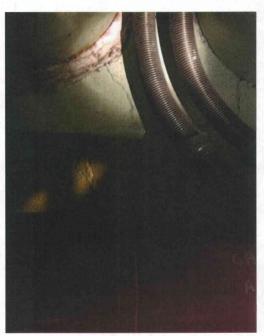


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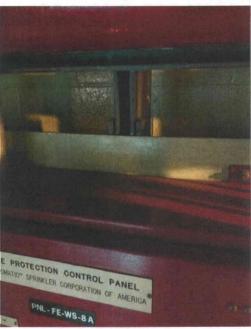
 Room
 Pipe Penetration C

 Floor El.
 722

 Bldg.
 SFGB



File Name: 1-76-1-4-38.jpeg Description: Wall with potential cracking, east wall, judged not significant



File Name: 1-77-1-4-38.jpeg Description: Wall with potential cracking judged not significant, east wall.

Status: Y 🕅 U

DCR Pau ENGI	II C. Rizzo Assoc	iates, Inc.				Sh	eet 119 of 191
Area Walk-By	Checklist (AWC))		Status:	\odot	N	U
Room	Room Prim. Aux. BLDG 722'6 NE Corner						
Floor El.	722	722 Bldg. AXLB					
This checklist m space below each	h of the following	ument the result questions may b	s of the Area Walk-By near one be used to record the results of cklist for documenting other co	judgments and find			
				Y	N	U	N/A
1. Does anchorag	ge of equipment i	n the area appea	r to be free of	X			
opening cabin	ets)? ge of equipment in	,	e without necessarily r to be free of significant	Y X	N	U	N/A
3. Based on a vis	sual inspection fro	om the floor do t	he cable/conduit	Y	<u>N</u>	U	N/A
raceways and l seismic condition		opear to be free o on of supports is	f potentially adverse adequate and fill				1
				Y	N	U	N/A
			adverse seismic spatial g., ceiling tiles and	X			<u> </u>

Related equipment on SWEL for this area: TCV-1CH-144

Pau ENGIN	I C. Rizzo Associa EERS & CONSULTANTS	ates, Inc.					Sh	eet 120 of 191
Area Walk-By C	Checklist (AWC)				Status:	\heartsuit	N	U
Room	Prim. Aux. Bl	LDG 722'6 NE	Corner					
Floor El.	722	Bldg.	AXLB					
Interaction Effe	cts				V	N	T	NI/A
5. Does it appear interactions tha <i>All piping are we</i>	t could cause floc	oding or spray i			Y X	N	U	N/A
					Y	N	U	N/A
6. Does it appear			y adverse seismic		X			
No ignition sourc	t could cause a fir <i>es found in this ar</i>							
7. Does it appear	dia i c	C (11	,		Y X	N	U	N/A
equipment, and Unsecured pole a interactions. 8. Have you looke	I temporary install and fire extinguish ed for and found n	lations (e.g., sc er in the area of to other seismic	tices, storage of portable affolding, lead shielding considered not to cause to c conditions that could)?	Y X	N	U	
adversely affect			ipment in the area? cessary)					
Evaluated by:	Eddie M. Gue	dun		Date: Date:	<u>9/28/2(</u> 9/28/2(



722

Area Walk-By Checklist (AWC)

Status: 🕅 N U

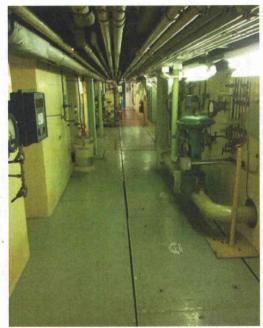
Room	Prim. Aux. BLDG 722'6 NE Corner

Floor El.

Bldg.

AXLB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-41.jpeg Description: General



File Name: 1-60-1-4-41.jpeg Description: Fire extinguisher in area



Status: 🕲 N U

Room	Prim. Aux. BLDG 722'6 NE Corner				
Floor El.	722	Bldg.	AXLB		



File Name: 1-65-1-4-41.jpeg Description: Loose pole could impact

Paul C. Rizzo Associates, Inc.						Sh	eet 123 of 191
Area Walk-By	Checklist (AWC))		Status:	(i)	N	U
Room	Prim. Aux. E	BLDG 722'6 BIT C	Cub				
Floor El.	722	722 Bldg. <u>AXLB</u>					
This checklist a space below ea	ch of the following	ument the results of questions may be	of the Area Walk-By near on used to record the results of list for documenting other co	judgments and find			
	age of equipment in dverse seismic con- inets)?			Y X	N	U	N/A
2. Does anchor degraded cor		n the area appear t	o be free of significant	Y X	N	U	N/A
raceways and seismic cond	visual inspection fro l HVAC ducting ap itions (e.g., conditions) cable trays appear	pear to be free of point of supports is ac	potentially adverse dequate and fill	Y X	N	U	N/A
interactions lighting)? Tank SI-TK-2 of Block wall AB	with other equipme	nt in the area (e.g. thes from wall not er reference DSC-	considered a credible impac 0001. This calculation is pa		<u>N</u>	<u>U</u>	N/A

Related equipment on SWEL for this area: SI-TK-2

Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS

Area Walk-By Che	ecklist (AWC)		Status:	\odot	N	U
Room	Prim. Aux. BLDG 722'6 BIT Cub.	_				
Floor El.	722 Bldg. AXLB					
Interaction Effects			V	N	TI	NT/A
interactions that c	at the area is free of potentially adverse seismic could cause flooding or spray in the area? <i>Supported in this area</i> .	Γ	Y X	 	<u>U</u>	N/A
interactions that c	at the area is free of potentially adverse seismic ould cause a fire in the area?	Ē	Y X	N	U	N/A
No ignition sources	found in this area.					
interactions asso	at the area is free of potentially adverse seismic ciated with housekeeping practices, storage of portable emporary installations (e.g., scaffolding, lead shielding)?	C	Y X	N	U	N/A
	for and found no other seismic conditions that could the safety functions of the equipment in the area?	E	Y X	N	U	
Comments (Addition	onal pages may be added as necessary)					
Evaluated by:	_Date: _	9/28/20)12			
	Adam L. Helffrich	Date:	9/28/20)12		



Status: 🕅 N U

Room	Prim. Aux.	Prim. Aux. BLDG 722'6 BIT Cub.				
Floor El.	722	Bldg.	AXLB			

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-42.jpeg Description: General 1



File Name: 1-60-1-4-42.jpeg Description: General 2



Status: 🕅 N U

Room	Prim. Aux.	Prim. Aux. BLDG 722'6 BIT Cub.				
Floor El.	722	Bldg.	AXLB			



File Name: 1-65-1-4-42.jpeg Description: SI TK 2 approximately 3 inches from block wall. Judged not a concern.

	ul C. Rizzo Associates, Inc.			Sh	eet 127 of 191
Area Walk-By	Checklist (AWC)	Status:	\mathbf{v}	N	U
Room	Prim. Aux. BLDG 722'6 E Cent.				
Floor El.	722 Bldg. AXLB				
This checklist m space below eac	r Completing Checklist hay be used to document the results of the Area Walk-By near one ch of the following questions may be used to record the results of j e is provided at the end of this checklist for documenting other cor	udgments and find			
		Y	N	U	N/A
	age of equipment in the area appear to be free of liverse seismic conditions (if visible without necessarily	X			
	nets)? achored at the base, but it is rod hung. Component is not Cat I and a credible impact to other components.	ł is			
		Y	N	U	N/A
2. Does anchora degraded con	nge of equipment in the area appear to be free of significant ditions?	X			
		Y	N	U	N/A
	sual inspection from the floor, do the cable/conduit HVAC ducting appear to be free of potentially adverse	X			
seismic condit	tions (e.g., condition of supports is adequate and fill cable trays appear to be inside acceptable limits)?				
		Y	N	U	N/A
	or that the area is free of potentially adverse seismic spatial with other equipment in the area (e.g., ceiling tiles and	X			
Block walls ABI DCS-0009, DCS	1-10, AB1-11, AB1-13, and AB1-15 are all qualified under referen S-0010, DCS-0012, and DCS-0014 respectively. These calculation low-up seismic analysis in support of IE80-11 calculations.				
Related equipme MOV-1RW-103	ent on SWEL for this area:				

MOV-1RW-103B MOV-1RW-114B MOV-1RW-117

	I C. Rizzo Associates, Inc. TERS & CONSULTANTS	
Area Walk-By Checklist (AWC)		Status:
Room	Prim. Aux. BLDG 722'6 E Cent.	

Floor El. <u>722</u> Bldg. <u>AXLB</u>

Interaction Effects

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? *All piping are well supported in this area.*

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? *No ignition sources found in this area.*

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary)

Evaluated by:

Eddie M. Guerra

hang Dellary

the My fine 1

Adam L. Helffrich

U

N/A

N/A

N/A

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U Y Ν Х U Y Ν X Y Ν U Χ

Y

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Date: 9/28/2012

Date:

9/28/2012





722

Status: 🕅 N U

Area Walk-By Checklist (AWC)

Room	Prim. Aux. BLDG 722'6 E Cent.		

Floor El.

Bldg.

Other supporting or relevant documents and photos (if any):

AXLB



File Name: 1-59-1-4-43.jpeg Description: General 1



File Name: 1-60-1-4-43.jpeg Description: General 2



Area Walk-By Checklist (AWC)

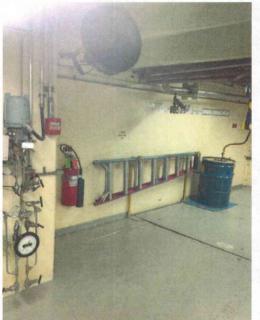
Room	Prim. Aux. BLDG 722'6 E Cent.

Floor El.

722

AXLB

Bldg.



File Name: 1-66-1-4-43.jpeg Description: Block wall East



Area Walk-By Checklist (AWC)

Room	Prim. Aux.	BLDG 722'6 E C	Cent.
Floor El.	722	Bldg.	AXLB



File Name: 1-67-1-4-43.jpeg Description: Blocks wall North



File Name: 1-68-1-4-43.jpeg Description: Block walls, South



Room	Prim. Aux.	BLDG 722'6 E C	ent.	
Floor El.	722	Bldg.	AXLB	

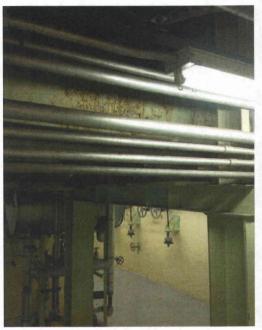


File Name: 1-69-1-4-43.jpeg Description: Block wall West

Status: 🕅 N U



Room	Prim. Aux.	BLDG 722'6 E C	ent.
Floor El.	722	Bldg.	AXLB



File Name: 1-71-1-4-43.jpeg Description: Surface corrosion identified on large pipes. Judged not a concern.



File Name: 1-72-1-4-43.jpeg Description: Unanchored tank, but rod hung. No interaction concern. (The tank is not Cat I)



Area Walk-	By Check	klist (AWC)
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Room	Prim. Aux. BLDG 722'6 E Cent.			
Floor El.	722	Bldg.	AXLB	



File Name: 1-74-1-4-43.jpeg Description: Unanchored tank, but rod hung. No interaction concern. (The tank is not Cat I)



File Name: 1-75-1-4-43.jpeg Description: Unanchored tank, but rod hung. No interaction concern. (The tank is not Cat I)

	Paul C. Rizzo Associates, Inc.			Sh	eet 135 of 19
Area Walk-B	y Checklist (AWC)	Status:	\heartsuit	N	U
Room	Prim. AUX. BLDG 735'6				
Floor El.	735 Bldg. AXLB				
This checklist space below early a space below	or Completing Checklist may be used to document the results of the Area Walk-By near one ach of the following questions may be used to record the results of j ace is provided at the end of this checklist for documenting other co	udgments and find			
		Y	N	U	N/A
	rage of equipment in the area appear to be free of adverse seismic conditions (if visible without necessarily pinets)?	X	; ;	<u> </u>	J
		Y	<u>N</u>	_ <u>U</u>	N/A
2. Does ancho degraded co	rage of equipment in the area appear to be free of significant onditions?	X		L	
		Y	N	U	N/A
raceways an seismic cono	visual inspection from the floor, do the cable/conduit d HVAC ducting appear to be free of potentially adverse ditions (e.g., condition of supports is adequate and fill f cable trays appear to be inside acceptable limits)?	X		I	
	ear that the area is free of potentially adverse seismic spatial with other equipment in the area (e.g., ceiling tiles and	Y X	N	U	N/A

Sheet 135 of 191

Related equipment on SWEL for this area: 1CC-E-1A

Paul C. Rizzo Associates, Inc. ENCINEERS & CONSULTANTS

Area Walk-By Ch	Status:	(Ν	U	
Room	Prim. AUX. BLDG 735'6				
Floor El.	<u>735</u> Bldg. <u>AXLB</u>				
Interaction Effect	S	Y	N	U	N/A
interactions that	hat the area is free of potentially adverse seismic could cause flooding or spray in the area? supported in this area.	X			
	the area is free of potentially adverse seismic could cause a fire in the area?	Y X	<u>N</u>	U	N/A
7. Does it appear th interactions asso equipment, and t	Y X	N	U	N/A	
adversely affect	for and found no other seismic conditions that could the safety functions of the equipment in the area? fonal pages may be added as necessary)	Y X	<u>N</u>	U	
Evaluated by:	Eddie M. Guerra	9/28/20	012	-	

Adam L. Helffrich

Date:

9/28/2012



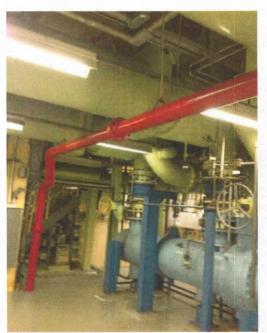
Area Walk-By Checklist (AWC)

Room	Prim. AUX	BLDG 735'6		
Floor El.	735	Bldg.	AXLB	

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-44.jpeg Description: General



File Name: 1-60-1-4-44.jpeg Description: Rod hung fire pipe is sufficiently rugged



Area Walk-By Checklist (AWC)

Room	Prim. AUX. BLDG 735'6					
Floor El.	735	Bldg.	AXLB			



File Name: 1-65-1-4-44.jpeg Description: Cart properly restrained

DCR Pat	ul C. Rizzo Associa NEERS & CONSULTANTS	ites, Inc.					She	eet 139 of 191
Area Walk-By	Checklist (AWC)			ç	Status:	${f V}$	N	U
Room	Prim Aux Bld	g 735'6 HX Inl	et					
Floor El.	735	Bldg.	AXLB		- 100-			
This checklist m space below eac	h of the following of	ment the results questions may b	s of the Area Walk-By near be used to record the results cklist for documenting other	of judgments				
	ge of equipment in		r to be free of e without necessarily		Y X	N	U	N/A
opening cabin	eets)? ge of equipment in		r to be free of significant		Y X	N	U	N/A
raceways and seismic condit	sual inspection from HVAC ducting app ions (e.g., condition cable trays appear t	ear to be free on of supports is	f potentially adverse adequate and fill		Y X	N	U	N/A
			adverse seismic spatial g., ceiling tiles and		Y X	<u>N</u>	U	N/A

Related equipment on SWEL for this area: PT-1RW-113A

ピ	Paul (C. Rizzo	Associates,	Inc.
	ENGINEE	RS & CONSULT	TANTS	

ENGINEER	S& CONSULTANTS							
Area Walk-By Che	ecklist (AWC)				Status:	\heartsuit	N	U
Room	Prim Aux Bldg	735'6 HX Inle	et	_				
Floor El.	735	Bldg.	AXLB					
Interaction Effects	5				Y	N	U	N/A
5. Does it appear the	at the area is free	of potentially	adverse seismic	Г	X			
interactions that of All piping are wells	could cause flood	ing or spray in		L	L.			----
					Y	N	U	N/A
6. Does it appear the	at the area is free	of potentially	adverse seismic		X			
interactions that c No ignition sources								
				_	Y	N	<u> </u>	N/A
7. Does it appear th					Х			
			ices, storage of portable ffolding, lead shielding)?					
					Y	N	U	
8. Have you looked	for and found no	other seismic	conditions that could		X			
adversely affect	the safety function	ns of the equi	pment in the area?					
Comments (Addition	onal pages may b	e added as nec	cessary)					
Evaluated by:		- deter MS	the	Date:	9/28/2	012		

9/28/2012

Date:

Eddie M. Guerra

Churry Defferry

Adam L. Helffrich



Status: 🕅 N U

Prim Aux Bldg 735'6 HX Inlet					
735	Bldg	AXLB			

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-45.jpeg Description: General



File Name: 1-60-1-4-45.jpeg Description: Fire system identified to be adequately supported.

	Il C. Rizzo Asso VEERS & CONSULTANTS	ciates, Inc.			Sł	neet 142	of 191
Area Walk-By (Checklist (AW	C)		Status:	\heartsuit	Ν	U
Room	Prim. Aux	Bldg 735'6 E Cer	itral				
Floor El.	735	Bldg.	AXLB				
space below each	ay be used to do to of the following	cument the result	ts of the Area Walk-By near one be used to record the results of ju ecklist for documenting other con	dgments and fine		-	
				Y	N	U	N/A
1. Does anchorag				X			
potentially adv opening cabine		nditions (if visibl	e without necessarily				
				Y	N	U	N/A
		in the area appea	r to be free of significant	X			
degraded cond Some component		ninor surface cor	rosion, judged a non issue.				
				Y	N	U	N/A
raceways and H seismic conditi conditions of c Missing bolt iden 2012-14047 was Support H-70 wa concluded that th missing bolt was	HVAC ducting a ons (e.g., condit able trays appea ntified on hange issued to addre is performed (Ru ne base plate wa noted. Therefor	appear to be free 6 ion of supports is in to be inside accorr (H-70) close to ss the situation. A ef: Calculation 1 is qualified with f we this is only a co	the cable/conduit of potentially adverse a adequate and fill septable limits)? <i>MOV-RW-187. Condition report</i> <i>A review of calculation for Pipe</i> 3387.02-S (B)-24CC2-B) and it five bolts configuration and the onfiguration issue and not a plan Il compliance with the design bas	t			
				Y	N	U	N/A
		•	y adverse seismic spatial .g., ceiling tiles and				
Related equipme RW-183	nt on SWEL for	this area:					

Status: Area Walk-By Checklist (AWC) Prim. Aux Bldg 735'6 E Central Floor El. 735 Bldg. AXLB

Interaction Effects

Room

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? All piping are well supported in this area.

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?

No ignition sources found in this area.

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Gas bottle with only one chain at top is near Post Accident Sampling panel PA5C1 judged not to cause an interaction concern.

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary)

Evaluated by:

Eddie M. Guerra

Chang Dellaran

Adam L. Helffrich

the Myhine I

9/28/2012

9/28/2012

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U N/A Y Ν X

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N

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U N/A Y N

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Х

Date:

Date:

U

N/A

Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS



735

Status: 🕅 N U

Area Walk-By Checklist (AWC)

Room	Prim. Aux Bldg 735'6 E Central

Floor El.

Bldg.

Other supporting or relevant documents and photos (if any):

AXLB



File Name: 1-59-1-4-46.jpeg Description: General



File Name: 1-60-1-4-46.jpeg Description: Fire system is rugged.



Area Walk-By Checklist (AWC)

Status: 🕅 N U

Room	Prim. Aux Bldg 735'6 E Central					
Floor El.	735	Bldg.	AXLB			



File Name: 1-65-1-4-46.jpeg Description: HSS hung cable tray is adequately braced



File Name: 1-66-1-4-46.jpeg Description: HSS hung cable tray is axially braced and judged a non issue.



Area Walk-By Checklist (AWC)

Room	Prim. Aux Bldg 735'6 E Central					
Floor El.	735	Bldg.	AXLB			



File Name: 1-67-1-4-46.jpeg Description: Gas bottle with only one chain at top near Post Accident Sampling panel PA5C1 judged OK.



File Name: 1-68-1-4-46.jpeg Description: Surface corrosion, judged a non issue



Area W	alk-By	Checklist	(AWC)	
--------	--------	-----------	-------	--

Prim. Aux Bldg 735'6 E Central				
735	Bldg	AXLB		
		Prim. Aux Bldg 735'6 E Cen 735 Bldg.		

File Name: 1-69-1-4-46.jpeg Description: Support for CC Water Pump outlet is missing 1 bolt. Mounted on column near MOV RW 187. CR 2012-14047 was generated

Par ENGE	11 C. Rizzo Assoc	iates, Inc.					Sh	eet 148 of 191
Area Walk-By	Checklist (AWC)			Status:	\heartsuit	N	U
Room	Prim Aux Bl	ldg 735'6 W. Wa	11	_				
Floor El.	735	Bldg.	AXLB					
This checklist m space below each	h of the following	ument the result gquestions may l	s of the Area Walk-By nea be used to record the result cklist for documenting oth	ts of judgments				
					Y	N	U	N/A
			r to be free of e without necessarily		X	I		
					Y	N	U	N/A
2. Does anchorage degraded concerned		n the area appea	r to be free of significant	L	X	_		
				Ē	Y	N	U	N/A
raceways and I seismic conditi		opear to be free o on of supports is	of potentially adverse adequate and fill	L	X			
interactions w			adverse seismic spatial g., ceiling tiles and		Y X	N	U	N/A
			p braced by the top entry on the interaction concern.	conduit				
Related equipme	ent on SWEL for t	this area:						

MCC-1-E4

Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS

DC

Area Walk-By Che	ecklist (AWC)				Status:	\heartsuit	N	U
Room	Prim Aux Bldg 7	35'6 W. Wall		_				
Floor El.	735	Bldg.	AXLB					
Interaction Effects	3				Y	N	U	N/A
5. Does it appear the interactions that of <i>All piping are well</i> s	could cause floodin	g or spray in t			X			
6. Does it appear th interactions that c No ignition sources	ould cause a fire in	• •	dverse seismic	C	Y X	N	U	N/A
	ciated with housek	eeping practic	dverse seismic es, storage of portable folding, lead shielding)?	C	Y X	N	U	N/A
adversely affect	the safety functions	s of the equip		C	Y X	<u>N</u>	U	
Comments (Additio	onal pages may be	added as nece	ssary)					
Evaluated by:	Eddie M. Guerra	the US		_Date:	9/28/20	012		

Date:

9/28/2012

Adam L. Helffrich



N U Status:

Area Walk-By Checklist (AWC)

Room	Prim Aux Bldg 735'6 W. Wall				
Floor El.	735	Bldg.	AXLI		

Bldg. AXLB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-47.jpeg **Description: General**



File Name: 1-60-1-4-47.jpeg Description: MCC 1-E4 approximately 1 in from panel judged to have no interaction

	aul C. Rizzo Associates GINEERS & CONSULTANTS	s, Inc.				Sh	eet 151 of 193
Area Walk-By	Checklist (AWC)			Status:	Y	\mathbb{N}	U
Room	QS-AFW Pump	Room					
Floor El.	735	Bldg.	SFGB				
This checklist r space below ea	ch of the following que	nt the result estions may	s of the Area Walk-By near on be used to record the results of cklist for documenting other co	judgments and find			
				Y	N	U	N/A
	age of equipment in the dverse seismic conditio nets)?			X			
2. Does anchor degraded cor		e area appea	r to be free of significant	Y X	N	U	N/A
raceways and seismic condi	isual inspection from the HVAC ducting appear itions (e.g., condition of cable trays appear to b	r to be free c f supports is	of potentially adverse adequate and fill	Y X	<u>N</u>	U	N/A
	ar that the area is free o with other equipment ir		y adverse seismic spatial .g., ceiling tiles and	Y X	<u>N</u>	U	N/A
Related equipm	nent on SWEL for this a	area:					

FCV-1FW-103B FW-59 FW-P-2 FW-P-3A FW-T-2 MOV-1FW-151E QS-P-1B

	aul C. Rizzo Asso	ociates, Inc.		
Area Walk-By	y Checklist (AW	C)		
Room	QS-AFW I	Pump Room		
Floor El.	735	Bldg.	SFGB	

Interaction Effects

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? All piping are well supported in this area.

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?

No ignition sources found in this area.

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Fire extinguishers located in the area. Judged not to present an interaction concern. Scaffold in vicinity of pumps identified not to present a significant concern for nearby

components.

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Corrosion identified on several valves noted in the area. Several deficient tags to repair corrosion are dated as old as 2003. CR 2012-13972, and CR 2012-13974 are generated to deal with corroded valves. All valves are still operable.

Comments (Additional pages may be added as necessary)

Evaluated by:

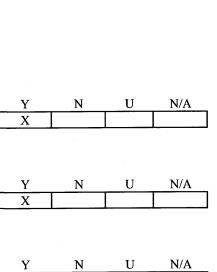
the My his I

Eddie M. Guerra

Chury Dellarge

Adam L. Helffrich

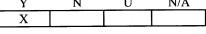
U



N

Status:

Y



Y	Ν	U
	X	

9/28/2012

9/28/2012

Date:

Date:





Status: Y 🕲 U

Area Walk-By Checklist (AWC)

Room QS-AFW Pump Room

Floor El.

735

Bldg. SFGB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-50.jpeg Description: General 1



File Name: 1-60-1-4-50.jpeg Description: General 2



U

Status: Y 🕅

Area Walk-By Checklist (AWC)

Room	QS-AFW P	ump Room		
Floor El.	735	Bldg.	SFGB	



File Name: 1-65-1-4-50.jpeg Description: View of fire extinguisher located in the area



File Name: 1-66-1-4-50.jpeg Description: Corroded valve identified. CR-2012-13972 issued to address this condition.



Status: Y 🕅 U

Area Walk-By Checklist (AWC)

Room	QS-AFW P	ump Room		
Floor El.	735	Bldg.	SFGB	



File Name: 1-67-1-4-50.jpeg Description: Corroded valve identified. CR-2012-13972 issued to address this condition.

Ben : Let Rust Cooles Volve has inadequate thread engagement a prices stude

File Name: 1-68-1-4-50.jpeg Description: Example of very old deficiency tag.

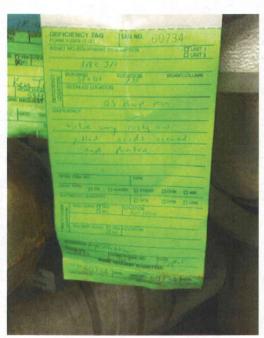


Status: Y 🕅 U

Area Walk-By Checklist (AWC)

Room <u>QS-AFW Pump Room</u>

Floor El. 735 Bldg.



SFGB

File Name: 1-69-1-4-50.jpeg Description: Very old deficiency tag



Status: Y 🕅 U

Area Walk-By Checklist (AWC)

Room	QS-AFW P	ump Room		
Floor El.	735	Bldg.	SFGB	

File Name: 1-71-1-4-50.jpeg Description: Scaffold identified in the area. Judged not a seismic concern.



File Name: 1-72-1-4-50.jpeg Description: Fire pipe system appears secure, no risk identified.

	C. Rizzo Associate	s, Inc.					Sh	eet 158 of 191
Area Walk-By Ch	ecklist (AWC)				Status:	\odot	N	U
Room	Service Building	g Floor 725		_				
Floor El.	725	Bldg.	SRVB					
space below each o	be used to docume of the following que	ent the results estions may be	of the Area Walk-By nea e used to record the resul klist for documenting oth	ts of judgmer	nts and find			
1. Does anchorage	of aquinment in th		to be free of	Г	Y X	N	U	N/A
	se seismic condition		without necessarily	L	<u> </u>	I		
				_	Y	N	U	N/A
2. Does anchorage degraded condition		e area appear	to be free of significant	L	X			
3. Based on a visua	l inspection from t	he floor, do th	e cable/conduit	Г	Y X	N	U	N/A
raceways and HV seismic condition		r to be free of f supports is a	potentially adverse dequate and fill	L				
					Y	N	U	N/A
	at the area is free other equipment i		adverse seismic spatial ., ceiling tiles and	L	X			
ngnung):								

Related equipment on SWEL for this area: 1VS-F-55A

Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS

Area Walk-By Ch	ecklist (AWC)				Status:	(i)	Ν	U
Room	Service Building Floor 725			_				
Floor El.	725	Bldg.	SRVB					
Interaction Effects	\$					27		NT/A
5. Does it appear th interactions that of <i>All piping are well</i> .	could cause flood	ing or spray in			Y X	<u>N</u>	U	N/A
					Y	N	U	N/A
6. Does it appear th interactions that c <i>No ignition sources</i>	ould cause a fire	in the area?	adverse seismic		X	<u>·</u>	<u> </u>	
	ciated with house emporary installa	keeping pract	adverse seismic ices, storage of portable ffolding, lead shielding)?		Y X	N	U	<u>N/A</u>
			conditions that could pment in the area?		Y	N	U	
Comments (Additi	onal pages may b	e added as nec	essary)					
Evaluated by:	Eddie M. Guerr	a date My	handt	_Date:	9/28/2	2012		
	Adam L. Helffr	l <i>um) 10.</i> ich	All well	_Date:	9/28/2	012	-	



Area Walk-By Checklist (AWC)

Room	Service Bu	ilding Floor 725	
Floor El.	725	Bldg.	SRVB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-56.jpeg Description: General



File Name: 1-60-1-4-56.jpeg Description: Table, secured



U

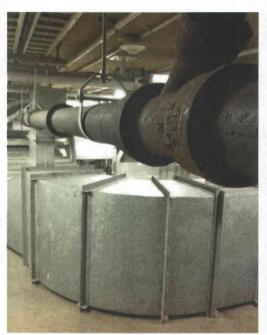
Area Walk-By Checklist (AWC)

Status: 🕅 N

Room	Service Bu	ilding Floor 725		
Floor El.	725	Bldg.	SRVB	



File Name: 1-65-1-4-56.jpeg Description: General view of cable trays in the area



File Name: 1-66-1-4-56.jpeg Description: View of cast iron pipe located in the area.

	ul C. Rizzo Asso	ciates, Inc.				Sh	leet 162 of 191
Area Walk-By	Checklist (AW	C)		Status:	\odot	N	U
Room	Valve Pit 6	88					
Floor El.	747	Bldg.	SFGB				
This checklist n space below eac	ch of the followin	cument the result g questions may	ts of the Area Walk-By near on be used to record the results of ecklist for documenting other c	judgments and fin			
				Y	N	U	N/A
	age of equipment lverse seismic co	••	r to be free of e without necessarily	X			
opening cabi			,				
				Y	N	U	N/A
2. Does anchora degraded con		in the area appea	r to be free of significant	X			
2 Pased on a tri	iqual increation f	on the floor de	4h	Y	N	U	N/A
raceways and seismic condi	HVAC ducting a	ppear to be free of ion of supports is	the cable/conduit of potentially adverse a adequate and fill eptable limits)?		· .		LJ
4 Does it annea	ar that the area is	free of notentially	y adverse seismic spatial	Y X	N	U	N/A
			.g., ceiling tiles and		1		<u> </u>
Related equipm MOV-1SL-860 MOV-1SL-862		this area:					

	Il C. Rizzo Associa	ites, Inc.					Sh	eet 163 of 191
Area Walk-By (Checklist (AWC)				Status:	\heartsuit	N	U
Room	Valve Pit 688							
Floor El.	747	Bldg.	SFGB					
Interaction Effe	ects							
	that the area is fre at could cause floo			[Y X	N	U	N/A
	that the area is fre		adverse seismic	[Y X	N	U	N/A
	t could cause a fire			-	Y	N	U	N/A
interactions as equipment, and Unsecured fire e.	d temporary install	sekeeping practi ations (e.g., sca ot considered sig	ces, storage of por ffolding, lead shiel gnificant. Unsecur	ding)?	<u> </u>			
adversely affe Found deficient t issued to address	ect the safety function ag from 2003 for 1	ons of the equip MOV-1SI-864B.	Condition report (-	Y X	N	U	
Evaluated by:	Eddie M. Gue		·····	Date:	9/28/20)12		
	Adam L. Helf	duny D.	Mary	Date:	9/28/20)12		



Area Walk-By Checklist (AWC)

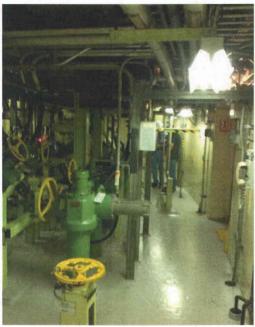
Room Valve Pit 688

Floor El.

747

Bldg. SFGB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-58.jpeg Description: General 1



File Name: 1-60-1-4-58.jpeg Description: General 2



Area Walk-By Checklist (AWC)

Room Valve Pit 688

Floor El.

747

SFGB

Bldg.



File Name: 1-65-1-4-58.jpeg Description: Lifting hook unsecured. Judged not to cause interaction concerns.



File Name: 1-66-1-4-58.jpeg Description: Fire extinguisher



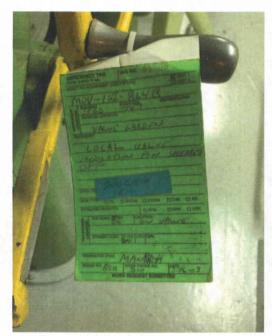
Area Walk-By Checklist (AWC)

 Room
 Valve Pit 688

 Floor El.
 747
 Bldg.
 SFGB



File Name: 1-67-1-4-58.jpeg Description: Fire extinguisher



File Name: 1-69-1-4-58.jpeg Description: Deficient tag out of date.

	ul C. Rizzo Associates, Inc.			Sh	eet 167 of 191
Area Walk-By	Checklist (AWC)	Status:	\odot	Ν	U
Room	Fuel Building				
Floor El.	735 Bldg. FULB			_	
This checklist n space below eac	r Completing Checklist hay be used to document the results of the Area Walk-By near one or r th of the following questions may be used to record the results of judg e is provided at the end of this checklist for documenting other comm	ments and find		-	
		Y	N	U	N/A
	ge of equipment in the area appear to be free of	X			
opening cabin	,				
Small gap under an issue of conc	r base of one of the saddles of heat exchanger FC-E-1B judged not be eern	2			
		Y	N	<u> </u>	N/A
2. Does anchora degraded con	nge of equipment in the area appear to be free of significant ditions?	X			
		Y	N	<u> </u>	N/A
raceways and seismic condit	sual inspection from the floor, do the cable/conduit HVAC ducting appear to be free of potentially adverse tions (e.g., condition of supports is adequate and fill cable trays appear to be inside acceptable limits)?	X			
	r that the area is free of potentially adverse seismic spatial vith other equipment in the area (e.g., ceiling tiles and	Y X	N	U	N/A
lighting)?					
of ~3/16" betwe nozzle piping an	1FC-102B is on a 6" diam. nozzle out of HX FC-E-1B. There is a gap en this temp. gage and rigid HVAC support. It is judged that the ad HVAC support would not displace by 3/16" in a seismic event and	0			
	ent on SWEL for this area:				
1FC-E-1A 1FC-P-1A					
1PC-145					
1PC-1FC-102A					

	II C. Rizzo Assoc	iates, Inc.					Sh	eet 168 of 1	91
Area Walk-By (Checklist (AWC)			Status:	\heartsuit	N	U	
Room	Fuel Buildin	g							
Floor El.	735	Bldg.	FULB						
Interaction Effe	ets				V	N	ŤŤ	NT/A	
			y adverse seismic	[Y X	N	U	N/A	
A space heater at heater in a seism nearby large diat Lighting transfor	ic event would co meter pipe, which mer LTG-TFMR he spray zone of	iping in the area ause an interact h could potentia -F2 and lighting this piping and J	in the area? a are rod hung. Displaced ion between its inlet pipir lly cause spray concern i g panel AC-LTG-PNL-F2 iudged acceptable. Also,	ng and n the area. are judged					
				г	<u>Y</u>	N	U	N/A	
	that the area is f at could cause a f		y adverse seismic	L	X			LJ	
					Y	N	U	N/A	
interactions as equipment, and	ssociated with ho d temporary insta <i>xtinguisher and p</i>	usekeeping prac Illations (e.g., sc	y adverse seismic ctices, storage of portable affolding, lead shielding) e seismic interactions. Sco		X			[]	
					Y	N	U		
-			c conditions that could	[X				
One of ten bolts of have full thread of acceptable, as the	connecting the bo engagement (app e valve is very lig	onnet of manual roximately one- ght and has a ve	ipment in the area? valve 1CCR-106 to its bo half thread is not engage ry low moment arm. Sim d judged acceptable as-is	d). Judged ilar thread					
Comments (Add	litional pages ma	y be added as ne	ecessary)						

Date:

Date:

9/28/2012

9/28/2012

Evaluated by:

the Mina I

Eddie M. Guerra

(Juny) Dellaring Adam L. Helffrich





Area Walk-By Checklist (AWC)

Room Fuel Building

Floor El.

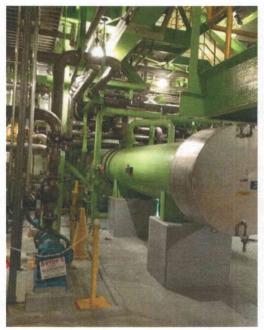
735

Bldg. FULB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-3-4-60.jpeg Description: General



File Name: 1-60-3-4-60.jpeg Description: General 2



Area Walk-By	Checklist	(AWC)
--------------	-----------	-------

Room	Fuel Buildi	ng	Second State	1.1
Floor El.	735	Bldg.	FULB	



File Name: 1-65-3-4-60.jpeg Description: Nut at 12 o'clock not engaged on underside. Judged acceptable.



File Name: 1-66-3-4-60.jpeg Description: Underside of not engaged nut. Judged acceptable.



Area Walk-By Checklist (AWC)

Room Fuel Building

Floor El. 735 Bldg. FULB



File Name: 1-67-3-4-60.jpeg Description: One nut with one-half thread engagement missing, judged acceptable.



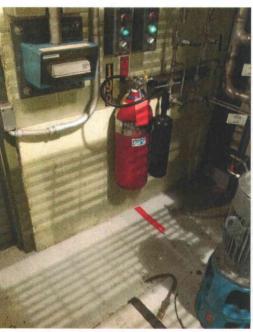
File Name: 1-68-3-4-60.jpeg Description: Small gap under base of FC-E-1B judged not a concern.

Status: 🕅 N U

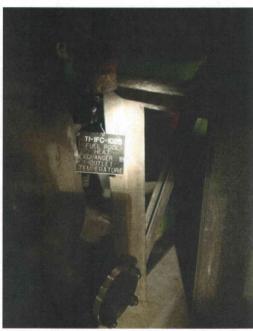


Area Walk-By Checklist (AWC)

Room	Fuel Building				
Floor El.	735	Bldg.	FULB		



File Name: 1-69-3-4-60.jpeg Description: Fire extinguisher in area



File Name: 1-70-3-4-60.jpeg Description: Temperature gage near HVAC supports judged acceptable



Area Walk-By Checklist (AWC)

Room Fuel Building

Floor El.

735

FULB

Bldg.



File Name: 1-72-3-4-60.jpeg Description: Scaffold in area is adequately braced.



Area Walk-By Checklist (AWC)

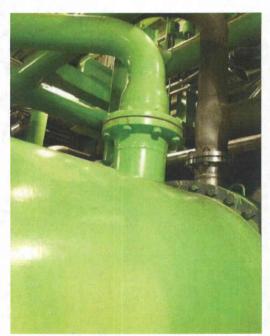
 Room
 Fuel Building

 Floor El.
 735

 Bldg.
 FULB



File Name: 1-74-3-4-60.jpeg Description: Posts located near component. Judged not a significant seismic concern.

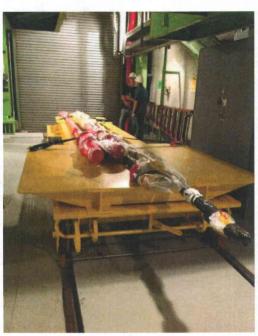


File Name: 1-75-3-4-60.jpeg Description: Thread engagement at heat exchanger FC-E-1B nozzle is judged acceptable.



Area Walk-By Checklist (AWC)

Room	Fuel Building					
Floor El.	735	Bldg.	FULB			



File Name: 1-76-3-4-60.jpeg Description: Cart, ladder, and fire pipe, all secured, judged a non issue.



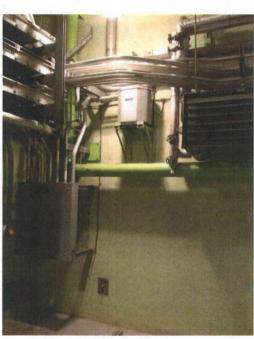
File Name: 1-77-3-4-60.jpeg Description: View of space heater in the area.



Area Walk-By Checklist (AWC)

Room Fuel Building

Floor El. <u>735</u> Bldg. <u>FULB</u>



File Name: 1-78-3-4-60.jpeg Description: Lighting transformer and lighting panel are judged to be outside of potential spray hazard zone of the space heater

	Paul C. Rizzo Asso	ociates, Inc.				Sł	neet 177 of 1
Area Walk-B	y Checklist (AW	C)		Status	: 🕅	N	U
Room	Aux bldg70	58		_			
Floor El.	768	Bldg.	AXLB				
This checklist space below e	ach of the followir	cument the result	ts of the Area Walk-By nea be used to record the result ecklist for documenting oth	ts of judgments and f		ue U	N/A
	rage of equipment			X			
potentially a	adverse seismic co	nditions (if visibl	e without necessarily				

- opening cabinets)?
- 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?
- 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?
- Y N U N/A

Ν

Ν

U

U

N/A

N/A

Y

Х

Y

X

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?

Block wall AB4-2, and AB4-3 are adequate by reference DSC-0055, and DSC-0056, respectively. These calculations are part of a follow-up seismic analysis in support of IE80-11 calculations.

Related equipment on SWEL for this area: CH-BL-2

Par ENGE	II C. Rizzo Assoc NEERS & CONSULTANTS	ciates, Inc.					Sh	eet 178 of 191
Area Walk-By (Checklist (AWC)			Status:	\heartsuit	N	U
Room	Aux bldg76	8						
Floor El.	768	Bldg.	AXLB					
Interaction Effe	ects				Y	N	U	N/A
interactions th	at could cause flo area is not secure	ooding or spray i ed and may tip a	y adverse seismic n the area? nd spill. Spill from wa	ter heater is				
					Y	N	U	N/A
	that the area is f at could cause a f		y adverse seismic		X			
7. Does it appear	that the area is f	ree of notentially	vadverse seismic		Y	N	U	N/A
equipment, and Fire extinguisher area are secured cause any interact 8. Have you look	d temporary insta in area unsecur with only one ch ction concerns. ed for and found	allations (e.g., sc eed, considered n hain at top and a no other seismid	tices, storage of portab affolding, lead shieldir ot significant. Gas bo re judged acceptable a c conditions that could ipment in the area?	ng)? ttles in the	Y X	<u>N</u>	U	
Comments (Add	litional pages ma	y be added as ne	cessary)					
Evaluated by:	Eddie M. Gu	Ierra	the It	Date:				
	Adam L. He	(Juny) b	di finan	Date:				





Area Walk-By Checklist (AWC)

Room Aux bldg768

768

Floor El.

Bldg.

Other supporting or relevant documents and photos (if any):

AXLB



File Name: 1-59-4-4-60.jpeg Description: General



File Name: 1-60-4-4-60.jpeg Description: Fire pipe looks secured judged a non issue



Area Walk-By Checklist (AWC)

Room	Aux bldg76	8		
Floor El.	768	Bldg.	AXLB	



File Name: 1-65-4-4-60.jpeg Description: Unsecured poles, not heavy significant



File Name: 1-66-4-4-60.jpeg Description: Fire extinguisher in area and chained gas bottle judged not to be interaction concerns



Area Walk-By Checklist (AWC)

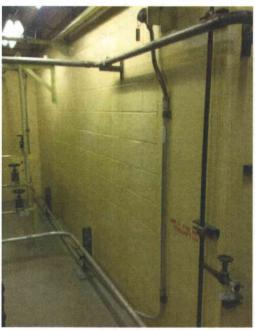
Room Aux bldg768

Floor El.

768

Bldg.

AXLB



File Name: 1-67-4-4-60.jpeg Description: Block wall in area



File Name: 1-68-4-4-60.jpeg Description: Unsecured water heater may fall and flood

Pau ENGIN	I C. Rizzo Assoc	iates, Inc.					Sh	leet 182 of 191
Area Walk-By (Checklist (AWC)			Status:	\odot	N	U
Room	West Cable	Vault - SE Corne	r					
Floor El.	735	Bldg.	SFGB					
space below each	ay be used to doc of the following	ument the results gquestions may b	of the Area Walk-By near be used to record the results cklist for documenting othe	of judgmen	SWEL ite	ems. The ings.		
					Y	N	U	N/A
 Does anchorag potentially adv opening cabine 	erse seismic con		to be free of without necessarily		X			
					Y	<u>N</u>	U	N/A
2. Does anchorag degraded cond		n the area appear	to be free of significant	L	X			
2 Deced on a vise					Y	<u>N</u>	U	N/A
	IVAC ducting ap	pear to be free of	f potentially adverse		X			
conditions of ca Cable Tray above	able trays appear e MCC-E11 is ro 5 inches is less th							
				_	Y	N	U	N/A
			adverse seismic spatial g., ceiling tiles and		X			L]
lighting)?			-					

Related equipment on SWEL for this area: 1FW-PNL-100B

	l C. Rizzo Associ EERS & CONSULTANTS	ates, Inc.					She	eet 183 of 191
Area Walk-By C	hecklist (AWC)				Status:	(N	U
Room	West Cable V	/ault - SE Corne	er					
Floor El.	735	Bldg.	SFGB					
Interaction Effec	ets				Y	N	U	N/A
5. Does it appear interactions tha <i>All piping are web</i>	t could cause flo	oding or spray in			X			
6. Does it appear interactions that No ignition source	could cause a fin	re in the area?	adverse seismic		Y X	N	U	N/A
equipment, and	sociated with hou temporary instal cured at ladder st	isekeeping pract lations (e.g., sca tation 34. Fire e	tices, storage of port affolding, lead shield extinguishers in area	ling)?	Y X	N	U	N/A
			conditions that cou pment in the area?	ld	Y X	N	U	
Comments (Addi	tional pages may	be added as nec	cessary)					
Evaluated by:	Eddin M. Co	- the US	the	Date:	9/28/20)12	-	
	Eddie M. Guo	hury 1	allaray -	Date:	9/28/20)12		
	Auani L. Hell	men						





Area Walk-By Checklist (AWC)

Status: 🕅 N U

 Room
 West Cable Vault - SE Corner

 Floor El.
 735
 Bldg.
 SFGB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-4-60.jpeg Description: General



File Name: 1-60-1-4-60.jpeg Description: General 2



Area Walk-By Checklist (AWC)

Room	West Cable	e Vault - SE Corn	er

Floor El. <u>735</u> Bldg. <u>SFGB</u>



File Name: 1-65-1-4-60.jpeg Description: Poorly secured ladder at ladder station 34



File Name: 1-66-1-4-60.jpeg Description: Fire extinguisher unsecured in area



Area Walk-By Checklist (AWC)

Room	West Cable	e Vault - SE Corne	er
Floor El.	735	Bldg.	SFGB



File Name: 1-67-1-4-60.jpeg Description: Cable tray is rod hung with minimal lateral support.



File Name: 1-68-1-4-60.jpeg Description: MCC-E11 and nearby cable tray



Area Walk-By Checklist (AWC)

Room	West Cable	Vault - SE Corne	er
Floor El.	735	Bldg.	SFGB



File Name: 1-69-1-4-60.jpeg Description: MCC-E11 and nearby cable tray

Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS							Sh	eet 188 of 191
Area Walk-By	v Checklist (AW	C)			Status:	\heartsuit	N	U
Room	Relay Roor	n						
Floor El.	713	Bldg.	AXLB					
This checklist is space below ear	ich of the followin	cument the result	ts of the Area Walk-By near be used to record the results ecklist for documenting othe	of judgmen	ts and find			
					Y	N	U	N/A
	age of equipment		r to be free of e without necessarily		X			
opening cabi								
				_	Y	N	U	N/A
2. Does anchor degraded cor		in the area appea	ar to be free of significant	L	X			
3 Based on a 1	visual increation f	rom the floor do	the cable/conduit	Г	Y X	N	U	N/A
raceways and seismic cond	HVAC ducting a	appear to be free of the free of the supports is the supports is the support of t	of potentially adverse s adequate and fill	L				_
4. Does it appe	ar that the area is	free of potentiall	y adverse seismic spatial	Γ	Y X	N	U	N/A
interactions lighting)?	with other equipn	nent in the area (e	.g., ceiling tiles and	_				
Related equipn PNL-AC1-BU	nent on SWEL for S-1E	r this area:				、		

Area Walk-By Checklist (AWC) Status: Room Relay Room Floor El. 713 Bldg. AXLB **Interaction Effects**

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?

Paul C. Rizzo Associates, Inc.

ENGINEERS & CONSULTANTS

- 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?
- 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?
- 8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Comments (Additional pages may be added as necessary)

Evaluated by:

Eddie M. Guerra

Charry Dellary

Adam L. Helffrich

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N/A Y Ν U X Y Ν U N/A Х Y Ν U N/A Χ

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Date:

9/28/2012

9/28/2012

Date:





Area Walk-By Checklist (AWC)

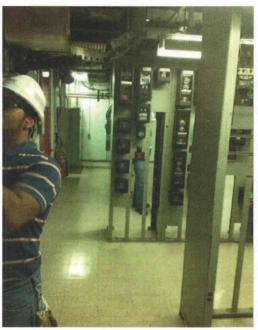
Room Relay Room

Floor El.

713

Bldg. AXLB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-5-4-60.jpeg Description: General 1



File Name: 1-60-5-4-60.jpeg Description: General 2



Area Walk-By Checklist (AWC)

 Room
 Relay Room

 Floor El.
 713
 Bldg.
 AXLB



File Name: 1-65-5-4-60.jpeg Description: Fire extinguisher



File Name: 1-66-5-4-60.jpeg Description: Fire extinguisher

Status: 🕅 N U

APPENDIX D COMPONENT LIST FOR ANCHORAGE CONFIGURATION CHECK

Component ID	References			
1CC-E-1A	Drawings RV-0076A and RV-0076B			
1EE-EG-1	Calculation 52233-C-018, page 4/17			
1EE-EG-2	Calculation 52233-C-018, page 4/17			
1VS-F-55A	Vibration Eliminator Calculation for Models 55A-B			
BAT-1-1	Drawing 8700-1.24-1E and Calculation 52233-C-016			
BAT-1-2	Drawing 8700-1.24-1E and Calculation 52233-C-016			
BAT-CHG-1-1	Calculation DSC-6698			
CH-P-1C	Calculations CH-P-1C and 52233-C-007			
CH-TK-1A	Calculation 52233-C-031			
DC-SWBD1-1	Calculation 52233-C-014			
DC-SWBD1-2	Calculation 52233-C-014			
DC-SWBD1-3	Calculation 52233-C-014			
DC-SWBD1-4	Calculation 52233-C-014			
EE-P-1A	Calculation 52233-C-007			
EE-TK-2A	Drawing RS-0019Q			
FW-P-2	Drawing 08700-02.040-0005, Rev. E.			
FW-P-3A	Drawing 02.040-0011B Drawing 8700-RC-21M Calculation 52233-C-007			
INV-VITBUS1-1	Drawing RE-0038D Calculation 52233-C-017			
INV-VITBUS1-3	Drawing RE-0038D Calculation 52233-C-017			
INV-VITBUS1-4	Drawing RE-0038D Calculation 52233-C-017			
MCC-1-E1	Calculation 52233-C-001			
MCC-1-E12	Calculation 52233-C-001			
MCC-1-E13	Calculation 52233-C-002			
MCC-1-E6	Calculation 52233-C-001			
MCC-1-E7	Calculation 52233-C-001			
MCC-1-E8	Calculation 52233-C-001			
PNL-1MS-101A	PNL-1MS-101A SEWS			
PNL-1MS-101B	PNL-1MS-101B SEWS			
PNL-DC1-3	Calculation PNL-DC1-3 Calculation 52233-C-015			

Component ID	References		
PNL-DGEA-1	PNL-DGEA-1 SEWS Calculation 52233-C-022		
PNL-DIGEN-1	PNL-DIGEN-1 SEWS Calculation 52233-C-025		
PNL-DIGEN-2	PNL-DIGEN-2 SEWS Calculation 52233-C-025		
REAC-TR-SWGR-1A	Calculation 52233-C-003		
RK-AUX-RPTST-A	RK-AUX-RPTST-A SEWS Calculation 52233-C-023		
RK-NUC-INS-1	Calculation 52233-C-023		
TRANS-1-8N1	Calculation 52233-C-006		
VS-F-57B	Calculation 52233-C-010		
WR-P-1A	Drawing 2C-5011 Calculation 52233-C-008		
WR-P-1B	Drawing 2C-5011 Calculation 52233-C-008		

APPENDIX E MASONRY BLOCK WALLS VERIFIED UNDER IE BULLETIN 80-11

Elevation	Building	Wall	Seismically Analyzed	Reference
		SB1-10	Yes	Calculation DSC-0089_1
		SB1-11	Yes	Calculation DSC-0090
		SB1-12	Yes	Calculation DSC-0091
		SB1-13	Yes	Calculation DSC-0092
		SB1-14	Yes	Calculation DSC-0089_2
		SB1-15	Yes	Calculation DSC-0093
	SERVICE	SB1-1	Yes	Calculation DSC-0080
713'-6"	BUILDING	SB1-2	Yes	Calculation DSC-0081
		SB1-3	Yes	Calculation DSC-0082
		SB1-4	Yes	Calculation DSC-0083
		SB1-5	Yes	Calculation DSC-0084
		SB1-6	Yes	Calculation DSC-0085
		SB1-7	Yes	Calculation DSC-0086
		SB1-8	Yes	Calculation DSC-0087
		SB1-9	Yes	Calculation DSC-0088
722'-6"	AUX.	AB1-1	Yes	Calculation DSC-0001
	BUILDING	AB1-3	Yes	Calculation DSC-0002
		AB1-4	Yes	Calculation DSC-0003
		AB1-5	Yes	Calculation DSC-0004
		AB1-6	Yes	Calculation DSC-0005
		AB1-7	Yes	Calculation DSC-0006
		AB1-8	Yes	Calculation DSC-0007
		AB1-9	Yes	Calculation DSC-0008
		AB1-10	Yes	Calculation DSC-0009
		AB1-11	Yes	Calculation DSC-0010
		AB1-12	Yes	Calculation DSC-0011
		AB1-13	Yes	Calculation DSC-0012
		AB1-14	Yes	Calculation DSC-0013
		AB1-15	Yes	Calculation DSC-0014
		AB1-16	Yes	Calculation DSC-0015
		AB1-17	Yes	Calculation DSC-0016
		AB1-18	Yes	Calculation DSC-0017
		AB1-19	Yes	Calculation DSC-0018
		AB1-20	Yes	Calculation DSC-0019
		AB1-21	Yes	Calculation DSC-1-21
		AB1-22	Yes	Calculation DSC-0021

Elevation	Building	Wall	Seismically Analyzed	Reference
		AB1-23	Yes	Calculation DSC-0022
		AB1-24	Yes	Calculation DSC-0023
		AB1-25	No Wall	N/A
		AB1-26	Yes	Calculation DSC-0024
		AB1-27	Yes	Calculation DSC-0025
		AB1-28	Yes	Calculation DSC-0026
		AB1-29	Yes	Calculation DSC-0027
		AB1-30	Yes	Calculation DSC-0028
		AB1-31	Yes	Calculation DSC-0029
		AB1-32	Yes	Calculation DSC-0030
		AB1-33	Yes	Calculation DSC-0031
		AB1-34	Yes	Calculation DSC-0032
		CV1-1	Yes	Calculation DSC-0069
		CV1-2	Yes	Calculation DSC-0070
		CV1-3	Yes	Calculation DSC-0071
	CABLE VAULT	CV1-4	Yes	Calculation DSC-0072
	VAULI	CV1-5	Yes	Calculation DSC-0073
		CV1-6	Yes	Calculation DSC-0074
		CV1-7	Yes	Calculation DSC-0075
725'-6"	SERVICE BUILDING	SB2-1	Yes	Calculation DSC-0094
735'-6"		AB2-1	Yes	Calculation DSC-0035
		AB2-2A	Yes	Calculation DSC-0036
		AB2-2B	Yes	Calculation DSC-0037
		AB2-3	Yes	Calculation DSC-0038
	AUX.	AB2-4	Yes	Calculation DSC-0039
	BUILDING	AB2-5	Yes	Calculation DSC-0040
		AB2-6	Yes	Calculation DSC-0041
		AB2-7	Yes	Calculation DSC-0042
		AB2-8	Yes	Calculation DSC-0043
	FUEL	FB1-1	Yes	Calculation DSC-0078
	BUILDING	FB1-2	Yes	Calculation DSC-0079
	SERVICE	SB3-1	Yes	Calculation DSC-0095 1
	BUILDING	SB3-10	Yes	Calculation DSC-0104
		SB3-11	Yes	Calculation DSC-0105
		SB3-12	Yes	Calculation DSC-0106
		SB3-13	Yes	Calculation DSC-0107
		SB3-2	Yes	Calculation DSC-0096
		SB3-3	Yes	Calculation DSC-0097

Elevation	Building	Wall	Seismically Analyzed	Reference
		SB3-4	Yes	Calculation DSC-0098
		SB3-5	Yes	Calculation DSC-00991
		SB3-6	Yes	Calculation DSC-0100
		SB3-7	Yes	Calculation DSC-0101
		SB3-8	Yes	Calculation DSC-0102
		SB3-9	Yes	Calculation DSC-0103
	CABLE	CV2-1	Yes	Calculation DSC-0076
	VAULT	CV2-2	Yes	Calculation DSC-0077
743'-6"	AUX. BUILDING	AB1-35	Yes	Calculation DSC-0033
		AB1-36	Yes	Calculation DSC-0034
752'-6"	AUX. BUILDING	AB3-1	Yes	Calculation DSC-0044
		AB3-10	Yes	Calculation DSC-0053
		AB3-11	Yes	Calculation DSC-0053Z
		AB3-2	Yes	Calculation DSC-0045
		AB3-3	Yes	Calculation DSC-0046
		AB3-4	Yes	Calculation DSC-0047
		AB3-5	Yes	Calculation DSC-0048
		AB3-6	Yes	Calculation DSC-0049
		AB3-7	Yes	Calculation DSC-0050
		AB3-8	Yes	Calculation DSC-0051
		AB3-9	Yes	Calculation DSC-0052
768'-7"	AUX. BUILDING	AB4-1	Yes	Calculation DSC-0054
		AB4-10	Yes	Calculation DSC-0063
		AB4-11	Yes	Calculation DSC-0064
		AB4-12	Yes	Calculation DSC-0065
		AB4-13	Yes	Calculation DSC-0066
		AB4-14	Yes	Calculation DSC-0067
		AB4-15	Yes	Calculation DSC-0068
		AB4-2	Yes	Calculation DSC-0055
		AB4-3	Yes	Calculation DSC-0056
		AB4-4	Yes	Calculation DSC-0057
		AB4-5	Yes	Calculation DSC-0058
		AB4-6	Yes	Calculation DSC-0059
		AB4-7	Yes	Calculation DSC-0060
		AB4-8	Yes	Calculation DSC-0061
		AB4-9	Yes	Calculation DSC-0062