APPENDIX C AREA WALK-BY CHECKLISTS (AWCs)

C-1

Paul C. Rizzo Associates, Inc.			S	heet 1 o	f 123
		Stat	us(Y)	NU	
Area Walk-By Checklist (AWC)					
Room <u>105</u> Floor El. <u>545</u> Bldg.	AUX	<u>B</u>			
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one or more space below each of the following questions may be used to record the results of judgmen Additional space is provided at the end of this checklist for documenting other comments.	ts and findin				
	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)? 	X				
Anchorage for cover plate of E31-4 does not have nuts, see Photo 2. Concern has been judged not to represent an adverse coniditon regarding the component's seismic performance.					
	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	X		14	0	
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
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)?	<u>x</u>				
Related equipment on SWEL for this area:					
I) P42-1					
2) P58-1					
3) C31-4					



Area Walk-By Checklist (AWC)

Y X	N	U	N/A
X			
Y	N	U	N/A
X			
Y	N	U	N/A
		<u> </u>	1
Photo 3.			
Y X	N	U]
	X Y X Photo 3. Y	X N X N X Photo 3. Y N	X V N U Y N U V N U Photo 3. Y N U U V N U

Flooding Sources: Pump E198-1, Tanks T198-1, T199-1, Piping: Aux steam, comp cooling, cont spray, decay heat, demin water, fire protection, high press inject, prim water, makeup water, service water, reactor coolant

Evaluated by:

Eddie M. Guerra

7/25/2012

This UShnaft Brian A. Lucarelli

Date:

Date:

12 X	Paul C. Rizzo Associates, Ind	2.
	ENGINEERS & CONSULTANTS	-

Area	Walk-By	Checklist	(AWC)			

105

Room

Floor El.

545

AUXB

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



y

Bldg.

Photo 1 General View of Room 105 Area



Area Walk-By Checklist (AWC)

Room	105	Floor El.	545	Bldg.	AUXB

Supporting Photos (continued):



Photo 2 Missing Nuts on Cover of E31-4



Photo 3 Temporary Scaffolding Restrained

	Paul C. Rizzo Asso	ciates, Inc.					Sł	neet 5 of	: 123
							Status(Y)N U	
Area Walk-B	By Checklist (AWC	C)							
Room	113	Floor El.	545	Bldg.	A	UXB	-		
This checklist space below e	each of the followin	cument the results of g questions may be	used to record th	-By near one or mor he results of judgment ting other comments	nts and fir		e		
						Y	N	- U	N/A
	orage of equipment adverse seismic con binets)?			ly	C	X			
 Does ancho degraded co 	prage of equipment onditions?	in the area appear t	o be free of signi	ficant	C	Y X	N	U	N/A
						Y	N	U	N/A
raceways an seismic con	visual inspection fr ad HVAC ducting a ditions (e.g., condit of cable trays appear	ppear to be free of ion of supports is a	potentially adver dequate and fill	se	L	X			1
	ear that the area is b with other equipm					Y X	N 	U	N/A
Related equip	ment on SWEL for	this area:							
1) E27-1									
2) E27-2									

3) CC1469



Sheet 6 of 123

Status (Y) N U

Area Walk-By Checklist (AWC)

Room	113	Floor El.	545	Bldg.	AUXB			
Interaction Effec	ts				Y	N	U	N/A
		free of potentially ac ooding or spray in t			X			
 Does it appear t interactions that 		free of potentially ad fire in the area?	dverse seismic		Y X	N	U	N/A
interactions ass	ociated with he	free of potentially ad ousekeeping practic allations (e.g., scaff	es, storage of po	ortable	Y X	N	U	N/A
		d no other seismic c actions of the equipn			Y X	N	U]
		ay be added as neces	ssary)					
Fire Sources:	NO No fire soui	rces identified in are	ea.					
Flooding Sources		nurces identified in c	area.					

Evaluated by:

this My hime Eddie M. Guerra

Date:

7/25/2012

100 Brian A. Lucarelli

Date:

7/25/2012

,



113

Status (Y) N U

Area Walk-By Checklist (AWC)

Room

Floor El.

545

Bldg.

AUXB



Photo 1 General View of Room 113

	Rizzo Associ	ates, Inc.				31	neet o o	1 123
						Status	N U	
rea Walk-By Check	dist (AWC)							
Room <u>1</u>	22	Floor El.	570'3.0625"	Bldg.	AUXB	-		
nstructions for Com This checklist may be pace below each of the Additional space is pro-	used to docu the following	ment the results of questions may be	used to record the r	esults of judgme	nts and findings.	ie		
					Y	N	- U	N/A
. Does anchorage of e potentially adverses opening cabinets)?					X			
					Y	N	U	N/A
Does anchorage of a degraded conditions		the area appear t	o be free of significa	ant	X			
					Y	N	U	N/A
. Based on a visual in	spection from	m the floor, do th	e cable/conduit		X			
raceways and HVAC seismic conditions (conditions of cable t	e.g., conditio	n of supports is a	dequate and fill					
					Y	N	U	N/A
Does it appear that interactions with otl lighting)?				ial	X	<u> </u>		
	Masonry wal	ls identified in ar	ea.					
1	Walls identifi Walls 1157 a	ed as 1157, 1167 nd 1167 have bee						
Related equipment on	SWEL for the	nis area:						

0 . 6

1) SF1616A

.



Room	122	Floor El.	570'3.0625"	Bldg.	AUXB			
Interaction Effect					Y	N	U	N/A
5. Does it appear th interactions that		ee of potentially a oding or spray in			X			
6. Does it appear th	nat the area is fr	ee of potentially a	dverse seismic		Y	N	U	N/A
interactions that								
					Y	N	U	N/A
Does it appear the interactions associated as a second se			dverse seismic es, storage of portal	ble	X			
equipment, and t shielding)?	emporary insta	llations (e.g., scaf	folding, lead					
	Temporary s	caffolding installe	d in area, judged no	ot likely to cause i	interaction. Y	N	U	
		no other seismic c tions of the equip	conditions that could ment in the area?	1	X]
Comments (Additi	onal pages may	be added as nece	ssary)					
Fire Sources:	NO							
	No jire sourc	es identified in ar	ea.					
Flooding Sources:	NO							
	No flood sou	rces identified in a	area.					
Evaluated by:	-	The USh	matt	Date:	7/25/2012			
	Eddie M. Gu	erra						
	Brian A. Luc	5 Ap	ll	Date:	7/25/2012			
	Dian A. Due							

PC2	Paul C. Rizzo Asso	ciates, Inc.			Sheet 1	0 of 123
					Status (Y) N U	J
Area Walk-	By Checklist (AWC	2)				
Room	122	Floor El.	570'3.0625"	Bldg.	AUXB	



Photo 1 General View of Room 122

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? X X 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N 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		Paul C. Rizzo Asso	ciates, Inc.					She	eet 11 of	f 123
Room 208 Flor El. 565 Bdg. AUXB Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N 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 condition (s.g., condition of supports is adequate and fill conditions (if visible without necessarily opening) Y N U N 4. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N 5. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N b. Does it appear that the area is free of potentially adverse seismic spatial interaction with other equipment.								Status: Y)n u	
nstructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The pace below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. • Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N U	Area Walk-B	By Checklist (AWC	C)							
This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The pace below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. <	Room	208	Floor El.	565	Bldg.	A	UXB	-		
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? X X 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N 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 with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N 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)? Y N U N X	This checklist space below e	may be used to do ach of the followin	cument the results of g questions may be	e used to record the	results of judgme	nts and fin		e		
potentially adverse seismic conditions (if visible 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)? 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)? <i>Fire extinguisher is mounted on the wall and is not laterally supported. It is judged that since the vertical acceleration at this location is less than 1g, it is unlikely for the extinguisher to fall or cause significant interaction with nearby equipment. Related equipment on SWEL for this area:) FTHP3C</i>							Y	N	- U	N/A
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 of cable trays appear to be inside acceptable limits)? 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)? <i>Fire extinguisher is mounted on the wall and is not laterally supported. It is judged that since the vertical acceleration at this location is less than 1g, it is unlikely for the extinguisher to fall or cause significant interaction with nearby equipment. Related equipment on SWEL for this area: () FTHP3C </i>	potentially a	adverse seismic con					Х	<u> </u>		
degraded conditions? Y N U N b. Based on a visual inspection from the floor, do the cable/conduit X Image: Condition of the cable/conduit X Image: Condition of the cable/conduit acceways 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 b. 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)? Y N U N Fire extinguisher is mounted on the wall and is not laterally supported. It is judged that since the vertical acceleration at this location is less than 1g, it is unlikely for the extinguisher to fall or cause significant interaction with nearby equipment. Related equipment on SWEL for this area:))))) FTHP3C)))								N	U	N/A
Based on a visual inspection from the floor, do the cable/conduit X raceways and HVAC ducting appear to be free of potentially adverse x seismic conditions (e.g., condition of supports is adequate and fill x conditions of cable trays appear to be inside acceptable limits)? Y N Does it appear that the area is free of potentially adverse seismic spatial X Image: seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Fire extinguisher is mounted on the wall and is not laterally supported. It is judged that since the vertical acceleration at this location is less than 1g, it is unlikely for the extinguisher to fall or cause significant interaction with nearby equipment. Related equipment on SWEL for this area:)) FTHP3C)			in the area appear t	o be free of signifi	cant		X		1	
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)? 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)? <i>Fire extinguisher is mounted on the wall and is not laterally supported. It is judged that since the vertical acceleration at this location is less than 1g, it is unlikely for the extinguisher to fall or cause significant interaction with nearby equipment. Related equipment on SWEL for this area:) FTHP3C () IA-636</i>							Y	N	U	N/A
Y N U N . 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 X Fire extinguisher is mounted on the wall and is not laterally supported. It is judged that since the vertical acceleration at this location is less than 1g, it is unlikely for the extinguisher to fall or cause significant interaction with nearby equipment. Related equipment on SWEL for this area:) FTHP3C) IA-636	raceways an seismic conc	d HVAC ducting a ditions (e.g., condit	ppear to be free of ion of supports is a	potentially adverse dequate and fill	r		X			
interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Fire extinguisher is mounted on the wall and is not laterally supported. It is judged that since the vertical acceleration at this location is less than 1g, it is unlikely for the extinguisher to fall or cause significant interaction with nearby equipment. Related equipment on SWEL for this area:) FTHP3C) IA-636		r eacte any capped						N	U	N/A
Fire extinguisher is mounted on the wall and is not laterally supported. It is judged that since the vertical acceleration at this location is less than 1g, it is unlikely for the extinguisher to fall or cause significant interaction with nearby equipment. Related equipment on SWEL for this area:) FTHP3C) IA-636	interactions				tial		Х			
) FTHP3C 2) IA-636		acceleration	n at this location is	less than 1g, it is ı						
2) IA-636	Related equip	ment on SWEL for	this area:							
) FTHP3C									
) hp2c) IA-636									
) hp2c									

4) hp3c



Area Walk-By Checklist (AWC)

Interaction Effects		Y	N	U	N/A
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	E	X	T		
6. Does it appear that the area is free of potentially adverse seismic	г	Y	N	U	N/A
interactions that could cause a fire in the area?	L	^			1
	_	Y	N	U	N/A
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable	L	Х			
equipment, and temporary installations (e.g., scaffolding, lead shielding)?	lla had vaatuaivina a	haina			
equipment, and temporary installations (e.g., scaffolding, lead	sition found in the	room an			
equipment, and temporary installations (e.g., scaffolding, lead shielding)? A dolly was found unrestrained in the area. Since the dou on it, it was judged that it is temporarily located at the po	sition found in the	room an		U	
equipment, and temporary installations (e.g., scaffolding, lead shielding)? A dolly was found unrestrained in the area. Since the dou on it, it was judged that it is temporarily located at the po- will be returned to its storage location and tied when wor	sition found in the	room an sensitiv	2	U]
 equipment, and temporary installations (e.g., scaffolding, lead shielding)? A dolly was found unrestrained in the area. Since the dou on it, it was judged that it is temporarily located at the powill be returned to its storage location and tied when wor equipment found in the vicinity of this dolly. 8. Have you looked for and found no other seismic conditions that could 	sition found in the	room an sensitive Y	2	U]

Flooding Sources: No concerns identified regarding flood sources. The potential flood sources in the area are Coolers E26-1,E26-2, Tank T139-1, Piping: Aux system, borated water, component cooling, cont spray, decay heat, demin water, fire

Evaluated by:

The Mundt Eddie M. Guerra

Date:

7/25/2012

Date: Brian A. Lucarelli

7/25/2012

-



208

Status: (Y) N U

Area Walk-By Checklist (AWC)

Room

____ Floor El.

565

Bldg.

AUXB



Photo 1 General View of Room 208

Photo 2 Unrestrained Dolly in Area

Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS						Sheet 14 of 123				
						Status: (Y)n u			
Area Walk-B	By Checklist (AWC	C)								
oom	209	Floor El.	565	Bldg.	AUXB	-				
his checklist pace below e	each of the followin	cument the results og questions may be	e used to record th	By near one or mor e results of judgmer ing other comments	nts and findings.	e				
					Y	N	- U	N/A		
	orage of equipment adverse seismic con binets)?			ly	X					
					Y	N	U	N/A		
Does ancho degraded co	orage of equipment onditions?	in the area appear t	o be free of signi	ficant	X					
					Y	N	U	N/A		
. Based on a	visual inspection fi	rom the floor, do th	e cable/conduit		X					
seismic con	nd HVAC ducting a ditions (e.g., condit of cable trays appea	ion of supports is a	dequate and fill	se						
conditions	n eable trays appea	r to be inside decep	tuble mints).		Y	N	U	N/A		
	ear that the area is so with other equipm				X					
ngnung)?	acceleratio		less than 1g, it is	not laterally suppor unlikely for the ext						

interaction with nearby equipment. Related equipment on SWEL for this area:

1) BW10



Area Walk-By Checklist (AWC)

Room	209	Floor El.	565	Bldg.	AUXB	-		
Interaction Effe	cts				Y	N	U	N/A
		ree of potentially ac boding or spray in t			X			
					Y	N	U	N/A
	that the area is f t could cause a f	ree of potentially ac fre in the area?	lverse seismic		X			
					Y	N	U	N/A
		ree of potentially ac ousekeeping practice		ıble	X		I	
		allations (e.g., scaff						
		er cask cart unrestro						
				fluence of this cart a to be temporarily in t				
8 Have you look	ed for and found	no other seismic co	anditions that could	d	Y	N	U	1
		ctions of the equipm		u			1	J
Comments (Add	itional pages may	y be added as neces	sary)					
Fire Sources:		iping to Make Up T						
	No concerns	identified regardir	ng fire sources. Th	ne potential i gnition	sources in the ar	ea are 4tyd	trogen Pup	ing'to

 Make Up Tank

 Flooding Sources:
 No concerns identified regarding flood sources. The potential flood sources in the area are BWST Heater E34,

Piping: Aux steam, borated water, comp cooling, domestic water, Duratek, demin water, fire protection, high pressure injection, main steam, makeup, primary water, spent fuel clean waste

Evaluated by:

the Eddie M. Guerra

Date:

Date:

7/25/2012

Brian A. Lucarelli

LA X	Paul C. Rizzo Associates,	Inc.
	ENGINEERS & CONSULTANTS	

209

Status: (Y) N U

Area Walk-By Checklist (AWC)

Room

Floor El.

565

Bldg.

AUXB



Photo 1 General View of Room 209

Photo 2 Nuclear Filter Cask Cart Not Restrained

202	Paul C. Rizzo Asso	ciates, Inc.			Sheet 17 of 123					
							Sta	atus:(Y)n u	
rea Walk-E	By Checklist (AWC	;)								
loom	225	Floor El.	565	Bldg.	<u>A</u>	UXB	_;			
his checklist pace below e	each of the following	cument the results og questions may be	used to record th	c-By near one or mo he results of judgme tting other comment	ents and fir		Гhe			
	orage of equipment adverse seismic cor binets)?			ily		Y X		N	U	N/A
. Does ancho degraded co	orage of equipment i	in the area appear to	o be free of signi	ificant	C	Y X		N	U	N/A
. Based on a raceways an seismic con	visual inspection fr nd HVAC ducting a ditions (e.g., conditi of cable trays appear	opear to be free of j ion of supports is a	potentially adver dequate and fill	se	C	Y X		N	U	N/A
	Walls identi All walls ha	ent in the area (e.g. close to P372B. fied as 2047, 2427,	, ceiling tiles and , and 2437. y analyzed per Nu	d RC IE Bulletin 80-1	[] 1 (Ref. VB	Y X W06-B	2001-0	N 128, Rev	U 	N/A
elated equip) P372B	oment on SWEL for									
) DH9B										



Area Walk-By Checklist (AWC)

Room	225	Floor El. <u>565</u>	Bldg.	AUX	B	-		
Interaction	Effects		-		Y	N	U	N/A
		free of potentially adverse seismic ooding or spray in the area?			X			
					Y	N	U	N/A
	pear that the area is f s that could cause a f	free of potentially adverse seismic fire in the area?			x			
					Y	N	U	N/A
		free of potentially adverse seismic	bla		X			
	t, and temporary inst	busekeeping practices, storage of portal allations (e.g., scaffolding, lead	bie					
		l dolly not restrained.						
		uent visit to his area on the next day, it is properly restrained.	was observed that					
					Y	N	U	
		I no other seismic conditions that could ctions of the equipment in the area?			X			

Comments (Additional pages may be added as necessary)

Fire Sources: Lighting Transformer No concerns identified regarding fire sources. The potential ignition sources in the area are Lighting Transformer

Flooding Sources: No concerns identified regarding flood sources. The potential flood sources in the area are Lube oil coolers E188-1, E188-2, E212-1, E212-2, cooler E36, Accumulators T6406 &T 6407, Piping: Comp Cooling, Core flood, makeup, reactor coolant

Evaluated by:

atter My Shine

Date:

7/25/2012

Eddie M. Guerra

Date: Brian A. Lucarelli



225

Status: (Y) N U

Area Walk-By Checklist (AWC)

Room

Floor El.

. 565

Bldg.

AUXB

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



Photo 1 Dolly Not Restrained Photo 2 RP Cart Not Restrained

Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS					Sheet 20 of 123					
							Status: (Y)	N U		
Area Walk-B	By Checklist (AWC	C)								
Room	236	Floor El.	565	Bldg.	AUX	B	-			
This checklist space below e	each of the followin	cument the results of g questions may be	e used to record the	-By near one or mor he results of judgme tting other comments	nts and findin		he			
							N	U	N/A	
	adverse seismic co	in the area appear t nditions (if visible		ily	<u> </u>	[1		<u>I</u>	
					У	,	N	U	N/A	
2. Does ancho degraded co		in the area appear t	to be free of sign	ificant	<u>></u>	[1	
					Y	,	N	U	N/A	
3. Based on a	visual inspection f	rom the floor, do th	e cable/conduit		Х				I	
seismic con	ditions (e.g., condit	uppear to be free of tion of supports is a r to be inside accep	dequate and fill	rse						
4 Dece 34	and the table and in	Gran - Constantiallas		matial			N	U	N/A	
		free of potentially a nent in the area (e.g			<u> </u>	<u> </u>	L		1	
	acceleratio interaction Masonry w Walls ident per NRC II	n at this location is with nearby equip all in room, see Ph tified as 2317, 2327	e less than 1g, it i ment. oto 2. 7, 2337, and 2347 ef. VBW09-B001-	s not laterally suppor is unlikely for the ext 7. All walls seismica -049, Rev 8, VBW09 052, Rev 3).	tinguisher to f ally analyzed.	all o	r cause sig			

Related equipment on SWEL for this area:

1) hp2b



Area Walk-By Checklist (AWC)

Room	236	Floor El. <u>565</u> Bldg	g	AUXB	-		
	pear that the area is	free of potentially adverse seismic looding or spray in the area?	(Y X	N	- U	N/A
	bear that the area is that could cause a	free of potentially adverse seismic fire in the area?	[Y X	N	U	N/A
interaction	ns associated with h , and temporary ins	free of potentially adverse seismic ousekeeping practices, storage of portable tallations (e.g., scaffolding, lead	[Y X	N	U	N/A
		d no other seismic conditions that could nctions of the equipment in the area?	[Y X	N	U]
Comments (A Fire Sources:		ay be added as necessary)					

No fire sources identified in area.



Evaluated by:

Eddie M. Guerra

Date:

7/25/2012

Brian A. Lucarell

mall

Date:



236

Status: (Y) N U

Area Walk-By Checklist (AWC)

Floor El.

565

Bldg.

AUXB

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



Photo 1 General View of Room 236 Photo 2 Masonry Wall

	Paul C. Rizzo Assoc ngineers & consultants	ciates, Inc.				Sheet 23 of 12			
						Status:(Y) N U		
Area Walk-B	y Checklist (AWC)							
Room		Floor El.	565	Bldg.	AUXB				
This checklist space below e	ach of the following	cument the results og questions may be	used to record t	c-By near one or mor he results of judgment ting other comments	nts and findings.				
					Y	N	U	N/A	
	rage of equipment i adverse seismic con vinets)?			ily	X				
					Y	N	U	N/A	
2. Does ancho degraded co	rage of equipment i onditions?	in the area appear to	o be free of sign	ificant	X		1	L	
Pasad on a	visual inspection fro	om the fleer, do th	a aabla/aanduit		Y	N	U	N/A	
raceways and seismic conc	d HVAC ducting ap litions (e.g., conditi f cable trays appear	opear to be free of p on of supports is a	potentially adverted and fill	rse					
	ear that the area is f with other equipme				Y X	N	U	N/A	
Related equipr	ment on SWEL for	this area:							
) AF19									
2) PSL 106C									
) PSL4928A									
) FV6452									
i) P14-1									
6) MS5889A									
7) C73-1									



Sheet 24 of 123

Status: (Y) N U

Area Walk-By Checklist (AWC)

Interaction Effe	cts	Y	N	U	N/A
	that the area is free of potentially adverse seismic at could cause flooding or spray in the area?	X			
		Y		U	N/A
	that the area is free of potentially adverse seismic t could cause a fire in the area?	X			
		Y		U	N/A
interactions as	that the area is free of potentially adverse seismic sociated with housekeeping practices, storage of portable a temporary installations (e.g., scaffolding, lead	X			1
		Y		U	_
	ed for and found no other seismic conditions that could ct the safety functions of the equipment in the area?	X]
	itional pages may be added as necessary)				
Fire Sources:	NO No fire sources identified in area.				

No concerns identified regarding flood sources. The potential flood sources in the area are Oil cooler E194-1, Flooding Sources: condensate tank T217, Piping: Aux. feedwater, condensate, turbine plant cooling water, domestic water, main steam, Service water.

Evaluated by:

Date:

7/25/2012

Eddie M. Guerra

Titte Mahmett

Brian A. Lucarelli

Date:



Area Walk-By Checklist (AWC)

Room

237

Floor El. 565

Bldg.

AUXB



Photo 1 General View of Room 237



Photo 2 General View of Room 237

ENGINEERS & CONSULTANTS	Sheet 26 of 123					
		Status	∷YN U			
rea Walk-By Checklist (AWC)						
	AUX	B				
nstructions for Completing Checklist his checklist may be used to document the results of the Area Walk-By near one or m pace below each of the following questions may be used to record the results of judgm additional space is provided at the end of this checklist for documenting other commer	nents and findir					
	Ŋ	(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)?	2	<				
	y		U	N/A		
. Does anchorage of equipment in the area appear to be free of significant degraded conditions?		K				
		Ý N	U U	N/A		
. 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	2	K				
conditions of cable trays appear to be inside acceptable limits)?						
. Does it appear that the area is free of potentially adverse seismic spatial		Y N K		N/A		
interactions with other equipment in the area (e.g., ceiling tiles and		`				
lighting)?	orted It is ind	ged that sin		l		
Fire extinguisher is mounted on the wall and is not laterally supp acceleration at this location is less than 1g, it is unlikely for the e		fall or cause	acignificant			

1) P14-2

2) FV6451



Area Walk-By Checklist (AWC)

Status: (Y) N U

Room 238 Floor El. Bldg. 565 AUXB **Interaction Effects** N 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? U N/A N 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? U N/A 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)? Scaffolding in area appears to be adequately restrained. N 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? Comments (Additional pages may be added as necessary) Fire Sources: NO

No fire sources identified in area.

Flooding Sources: No concerns identified regarding flood sources. The potential flood sources in the area are Oll coders E/194-2. E30, seal water cooler T218, condensate tank T218, Piping: Aux. feedwater, condensate, turbine plant cooling water, domestic water, main steam, service water

Evaluated by:

Eddie M. Guerra

Date:

7/25/2012

Brian A. Lucarelli

Date:



Area Walk-By Checklist (AWC)

Room	238	Floor El.	565	Bldg.	AUXB

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



General View of Room 238

Paul C. Rizzo Associates, Inc.		Sheet 29 of 123			
		Status:Y) N U		
rea Walk-By Checklist (AWC)					
oom <u>PT</u> Floor El. <u>565</u> Bldg.	AUXB	-			
nstructions for Completing Checklist his checklist may be used to document the results of the Area Walk-By near one or m pace below each of the following questions may be used to record the results of judgm additional space is provided at the end of this checklist for documenting other commen	nents and findings.	ĥe			
	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)?	X		[]	
	Y	N	U	N/A	
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	X		1		
	Y	N	U	N/A	
. 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	X				
conditions of cable travs appear to be inside acceptable limits)?	Y	N	U	N/A	
conditions of cable trays appear to be inside acceptable limits)?	X				

Related equipment on SWEL for this area:

1) T10



Area Walk-By Checklist (AWC)

Room	PT	Floor El.	565	Bldg.	A	UXB	•	_	
Interaction Effects	l					Y	N	U	N/A
5. Does it appear the interactions that of		ree of potentially a boding or spray in t				Х			
						Y	N	U	N/A
6. Does it appear the interactions that c			dverse seismic			Х			
						Y	N	U	N/A
	ciated with ho	ree of potentially a usekeeping practic Illations (e.g., scaff	es, storage of po	rtable	L	X			
	Construction	n debris in area. N	lot likely to cause	e adverse interaction	1.				
						Y	N	U	
8. Have you looked adversely affect		no other seismic c ctions of the equipr				Х]
Comments (Additio	onal pages may	y be added as nece	ssary)						
Fire Sources:	· · · · · · · · · · · · · · · · · · ·			The potential ignitic	on sources	in the a	rea are Hy	odrogen Pi	ping to
Flooding Sources:		······································		. The potential floo High Pressuer Inject		in the a	rea are Bo	rated wate	er storag

Evaluated by:

attic Uhraft rra Date:

7/25/2012

Eddie M. Guerra

Date: Brian A. Lucarelli

000		
LC Z	Paul C. Rizzo Associates,	Inc.
	ENGINEERS & CONSULTANTS	

PT

Status: (Y) N U

Area Walk-By Checklist (AWC)

Room

Floor El.

565

AUXB

Bldg.



Photo 1 General View of PT

ENGINEERS & CONSULTANTS		6.	heet 32	
		Status: Y) n u	
rea Walk-By Checklist (AWC)				
oom <u>303</u> Floor El. <u>585</u> Bldg.	AUX	<u>B</u>		
nstructions for Completing Checklist his checklist may be used to document the results of the Area Walk-By near one or bace below each of the following questions may be used to record the results of jud dditional space is provided at the end of this checklist for documenting other comm	gments and finding			
	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)?	X			1
Small gap (~1/4") between grout and anchor plate. Judged to be	pe acceptable, see	Photo 2.		
CS16, a checkvalve, has several nuts with what appears to be l thread engagement in that the threads do not extend beyond th		h		
	e nui, iney are jius	n.		
Concluded that is acceptable per procedure DB-MM-09266.	Y	N	U	N/A
		N	U	N/A
Concluded that is acceptable per procedure DB-MM-09266. Does anchorage of equipment in the area appear to be free of significant	Y X	N	1	1
Concluded that is acceptable per procedure DB-MM-09266. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y	N		N/A
Concluded that is acceptable per procedure DB-MM-09266. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 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	Y X Y	N	1	1
Concluded that is acceptable per procedure DB-MM-09266. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse	Y X Y X	N	U J	N/A
Concluded that is acceptable per procedure DB-MM-09266. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 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)? Does it appear that the area is free of potentially adverse seismic spatial	Y X Y	N N N	1	1
Concluded that is acceptable per procedure DB-MM-09266. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 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)?		N N N	U J	N/#
Concluded that is acceptable per procedure DB-MM-09266. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 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)? 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		N N N	U J	N/A
Concluded that is acceptable per procedure DB-MM-09266. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 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)? 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)?		N N N	U J	N/A
Concluded that is acceptable per procedure DB-MM-09266. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 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)? 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)? elated equipment on SWEL for this area:		N N N	U J	N/A
Concluded that is acceptable per procedure DB-MM-09266. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 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)? 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)? elated equipment on SWEL for this area: AF608		N N N	U J	N/A
Concluded that is acceptable per procedure DB-MM-09266. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 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)? 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)? elated equipment on SWEL for this area: AF608		N N N	U J	N/A



Area Walk-By Checklist (AWC)

Room	303	Floor El. <u>585</u>	Bldg.	AUXB			
Interaction Effe	ects			Y	N	U	N/A
		free of potentially adverse seismic ooding or spray in the area?		X			
				Y	N	U	N/A
	that the area is at could cause a	free of potentially adverse seismic fire in the area?		X			
				Y	N	U	N/A
interactions a	ssociated with h	free of potentially adverse seismic ousekeeping practices, storage of po allations (e.g., scaffolding, lead	ortable	X			
				Y	N	U	-
		d no other seismic conditions that conditions of the equipment in the area?		X			J
Comments (Add Hydrogen line in		y be added as necessary) supported.					
Fire Sources:	NO						
	No fire sou	rces identified in area.					

Flooding Sources: No concerns identified regarding flood sources. The potential flood sources in the area are Moisture Accumulation tank T216, Piping: Aux. feedwater, Containment Spray, Fire Protection, Feedwater

Evaluated by:

the US Eddie M. Guerra

Date:

7/25/2012

inat

Brian A. Lucarelli

Date:



Area Walk-By Checklist (AWC)

Room	303	Floor El	585	Bldg.	AUXB
Room	505	TIOOT EI.	505	2108.	



Photo 1 General View of Room 303



Photo 2 Gap Between Grout and Anchor Plate

	Paul C. Rizzo Associates, Inc.					Sheet 35 of 123				
						Status: Y)N U			
rea Walk-B	y Checklist (AWC	C)								
toom	304	Floor El.	585	Bldg.	AUXB					
This checklist pace below ea	ach of the followin	cument the results of g questions may be	e used to record th	-By near one or mor ne results of judgmer ting other comments	nts and findings.	ie				
					Y	N	U	N/A		
. Does anchor	rage of equipment	in the area appear t	o be free of		X		Ű			
potentially a opening cab		nditions (if visible v	without necessari	ly						
					Y	N	U	N/A		
Does anchor degraded co		in the area appear t	o be free of signi	ficant	X					
					Y	N	U	N/A		
raceways and seismic cond	d HVAC ducting a litions (e.g., condit	rom the floor, do the ppear to be free of ion of supports is a r to be inside accep	potentially adverside and fill	se	X					
Dess it apps	on that the area is	free of notontially a	duoreo esignio e		Y	N		N/A		
interactions		free of potentially a ent in the area (e.g.					1	I		
lighting)?			, coning they and							
elated equipn	nent on SWEL for	this area:								
)E11B										
) YE2B										
) BW21										
) SF11										


Status:(Y) N U

Area Walk-By Checklist (AWC)

Room	304	Floor El.	585	Bldg.	AUXB			
Interaction I	Effects				Y	N	U	N/A
	pear that the area is f s that could cause fl				X			
					Y	N	U	N/A
• •	pear that the area is f s that could cause a f		dverse seismic		X			
					Y	N	U	N/A
interaction	pear that the area is f ns associated with he , and temporary inst ?	ousekeeping practic	ces, storage of po	ortable	X			
					Y	N	U	
	looked for and found affect the safety fun				X			
	Degraded in	nsulation observed	on domestic wat	er line. Judged not t	o be a concern.			

Comments (Additional pages may be added as necessary)

 Fire Sources:
 Transformer above L3701, Transformer above L4801

 No concerns identified regarding fire sources.
 The potential ignition sources in the area are Transformer above L3701, Transformer above L4801

Flooding Sources: No concerns identified regarding flood sources. The potential flood sources in the area are Abandoned tank E72, Piping: Aux. Feedwater, Aux. Steam, Borated Water, Domestic water, Duratek, Demin water, fire protection, main feedwater, makeup, primary water, SPF pool cooling,

Evaluated by:

This My Date:

7/25/2012

Eddie M. Guerra

Date: Brian A. Lucarelli

LA V	Paul C. Rizzo Associates,	Inc.
	ENGINEERS & CONSULTANTS	

304

Status: (Y) N U

Area Walk-By Checklist (AWC)

			Č																		

Floor El.

585

Bldg.

AUXB

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



General View of Room 304

ENG								
						Status: Y) n u	
rea Walk-By	Checklist (AWC	5)						
Room	312	Floor El.	590'6"	Bldg.	AUXB			
This checklist m pace below each	h of the following	cument the results of g questions may be	of the Area Walk-I e used to record the clist for documenti	results of judgmen	nts and finding			
					Y	N	– U	N/A
	verse seismic con	in the area appear t nditions (if visible v	to be free of without necessarily	,	X			I
		significant seismic	r for the floor plug	. Liter eyer e, this fit	Jung to Junget			
2. Does anchora; degraded cond	ge of equipment i		to be free of signifi	cant	Y X	N	U	N/A
	ge of equipment i ditions? <i>Minor corre</i>	in the area appear t	to be free of signifi		X	N	U	N/A
degraded cond	ge of equipment i ditions? Minor corro Deemed not	in the area appear to osion noted in anch t a significant degre	to be free of signifi horage supporting aded condition.		X Photo 3. Y	N		
degraded cond B. Based on a vis raceways and b seismic condit	ge of equipment i ditions? <i>Minor corre</i> <i>Deemed not</i> sual inspection fr HVAC ducting ap ions (e.g., conditi	in the area appear to posion noted in anch to a significant degree om the floor, do th	to be free of signifi- horage supporting haded condition. he cable/conduit potentially adverse helequate and fill	sensor panel, see F	X Photo 3. X	N	U	N/A N/A
degraded cond B. Based on a vis raceways and l seismic condit conditions of c I. Does it appear interactions w	ge of equipment i ditions? <i>Minor corre</i> <i>Deemed not</i> sual inspection fr HVAC ducting ap ions (e.g., conditi cable trays appear r that the area is f	in the area appear to be a significant degree om the floor, do the ppear to be free of ion of supports is a r to be inside accep	to be free of signifi- horage supporting raded condition. The cable/conduit potentially adverse radequate and fill otable limits)?	sensor panel, see F	X Photo 3. Y			
degraded cond B. Based on a vis raceways and l seismic condit conditions of c b. Does it appear	ge of equipment i ditions? <i>Minor corre</i> <i>Deemed not</i> sual inspection fr HVAC ducting ap ions (e.g., conditi cable trays appear r that the area is f vith other equipment <i>Masonry we</i> <i>Walls identi</i>	in the area appear to osion noted in anch t a significant degree om the floor, do th ppear to be free of ion of supports is a r to be inside accept free of potentially a ent in the area (e.g. all in area, see Pho- ified as 3227, 3247	to be free of signifi- horage supporting raded condition. The cable/conduit potentially adverse radequate and fill otable limits)?	sensor panel, see F atial ic adequacy. 7, 3297, 3357, 3367	X Photo 3. Y X Y X 7, 3417, 3427.	N	U	N/A
degraded cond B. Based on a vis raceways and I seismic condit conditions of c b. Does it appear interactions w lighting)?	ge of equipment i ditions? <i>Minor corre</i> <i>Deemed not</i> sual inspection fr HVAC ducting ap ions (e.g., conditi cable trays appear r that the area is f vith other equipment <i>Masonry we</i> <i>Walls identi</i>	in the area appear to osion noted in anch t a significant degre om the floor, do th ppear to be free of ion of supports is a r to be inside accep free of potentially a ent in the area (e.g. all in area, see Pho ified as 3227, 3247 s exempt. All other	to be free of signifi- horage supporting aded condition. he cable/conduit potentially adverse idequate and fill btable limits)? adverse seismic spa ., ceiling tiles and pto 1. Check seismic 7, 3257, 3267, 3277	sensor panel, see F atial ic adequacy. 7, 3297, 3357, 3367	X Photo 3. Y X Y X 7, 3417, 3427.	N	U	N/A
degraded cond B. Based on a vis raceways and I seismic condit conditions of c I. Does it appear interactions w lighting)?	ge of equipment i ditions? <i>Minor corre</i> <i>Deemed not</i> sual inspection fr HVAC ducting ap ions (e.g., conditi cable trays appear r that the area is f vith other equipment <i>Masonry we</i> <i>Walls identi</i> <i>Wall 3427 i.</i>	in the area appear to osion noted in anch t a significant degre om the floor, do th ppear to be free of ion of supports is a r to be inside accep free of potentially a ent in the area (e.g. all in area, see Pho ified as 3227, 3247 s exempt. All other	to be free of signifi- horage supporting aded condition. he cable/conduit potentially adverse idequate and fill btable limits)? adverse seismic spa ., ceiling tiles and pto 1. Check seismic 7, 3257, 3267, 3277	sensor panel, see F atial ic adequacy. 7, 3297, 3357, 3367	X Photo 3. Y X Y X 7, 3417, 3427.	N	U	N/A
degraded cond B. Based on a vis raceways and I seismic condit conditions of c b. Does it appear interactions w lighting)?	ge of equipment i ditions? <i>Minor corre</i> <i>Deemed not</i> sual inspection fr HVAC ducting ap ions (e.g., conditi cable trays appear r that the area is f vith other equipment <i>Masonry we</i> <i>Walls identi</i> <i>Wall 3427 i.</i>	in the area appear to osion noted in anch t a significant degre om the floor, do th ppear to be free of ion of supports is a r to be inside accep free of potentially a ent in the area (e.g. all in area, see Pho ified as 3227, 3247 s exempt. All other	to be free of signifi- horage supporting aded condition. he cable/conduit potentially adverse idequate and fill btable limits)? adverse seismic spa ., ceiling tiles and pto 1. Check seismic 7, 3257, 3267, 3277	sensor panel, see F atial ic adequacy. 7, 3297, 3357, 3367	X Photo 3. Y X Y X 7, 3417, 3427.	N	U	N/A



Status YN U

Area Walk-By Checklist (AWC)

Room	312	Floor El.	590'6"	Bldg.	AUXB	-		
Interaction Effect	S				Y	N	U	N/A
		free of potentially a odding or spray in t			X			
					Y	N	U	N/A
6. Does it appear the interactions that of the formation		free of potentially a fire in the area?	dverse seismic		X			3
					Y	N	U	N/A
interactions ass	ociated with he	free of potentially a busekeeping practic allations (e.g., scaft	es, storage of porta	able	X			
	Judged not	as cannisters loose a concern since str n place thus no dire	aps and chains wil		xpected.			
					Y	N	U	
		d no other seismic c ctions of the equip		ld	X		1	
Comments (Addit	ional pages ma	y be added as nece	ssary)					
Fire Sources:	NO							
	No fire sour	rces identified in ar	ea.					
Flooding Sources:	No concern	s identified regardi	ing flood sources	The potential flood	sources in the a	rea are H)	(F23_1 F	23-2

Flooding Sources: No concerns identified regarding flood sources. The potential flood sources in the area are HX E23-1, E23-2, Pumps P247, P248, P249 & P250, Piping: Component cooling, Decay heat, domestic water, demin water, spent fuel

Evaluated by:

the la Eddie M. Guerra

Date:

Date:

7/25/2012

Brian A. Lucarelli

PCZ	Paul C. Rizzo Asso	ciates, Inc.			Sheet 40 of 123
					Status: Y N U
Area Walk-E	By Checklist (AWC	C)			
Room	312	Floor El.	590'6"	Bldg.	AUXB

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



Photo 1 General View of Room 312 Showing Masonry Walls



Photo 2 Missing Anchor Bolts



Sheet 41 of 123

Status Y N U

Area Walk-By Checklist (AWC)

Supporting Photos (continued):





Photo 3 Minor Corrosion on Anchor Plate Photo 4 Cart Containing Gas Canisters Loosely Restrained

Paul ENGIN	I C. Rizzo Associ	iates, Inc.					Sh	eet 42 d	of 123
							Status: Y	NU	
Area Walk-By C	Checklist (AWC)								
Room	314	Floor El.	585	Bldg.	AUX	KΒ	_		
This checklist ma pace below each	of the following	ument the results o questions may be	used to record th	By near one or more e results of judgmen ing other comments.	ts and findir				
						Y	N	U	N/A
	erse seismic conc	n the area appear to litions (if visible w		у			X		
		on conduit, see Ph							
	Condition rej	port issued : CR-2	012-10920		,	Y	N	U	N/A
2. Does anchorag degraded condi		n the area appear to	be free of signif	icant		x			Γ
					•	Y	N	U	N/A
		m the floor, do the				X			
seismic conditio	ons (e.g., conditio	pear to be free of p on of supports is ac to be inside accept	lequate and fill	e					
						Y	N	U	N/A
		ee of potentially ad nt in the area (e.g.,		atial		X			
	nt on SWEL for t	his area:							

1) RC3701



Status: Y NU

Area Walk-By Checklist (AWC)

Room	314	Floor El. <u>585</u>	Bldg.	AUXB			
Interaction Effe	ects			Y	N	- U	N/A
		free of potentially adverse seismic looding or spray in the area?		X			
6 Does it appear	that the area is	free of potentially adverse seismic		Y	N	U	N/A
		fire in the area?					
				Y	N	U	N/A
interactions a	ssociated with h	free of potentially adverse seismic ousekeeping practices, storage of port tallations (e.g., scaffolding, lead	able	X			
				Y	N	U	1
		d no other seismic conditions that counctions of the equipment in the area?	ld	X]
	······	ay be added as necessary)					
Hydrogen line in		ll supported.					
Fire Sources:	NO						
	No fire sou	rces identified in area.					

Flooding Sources: No concerns identified regarding flood sources. The potential flood sources in the area are Piping: Aux feedwater, Aux. steam, Component Cooling, Core Flood, Containment Spray, Decay Heat Removal, Fire Protection, High

Evaluated by:

Attion Mymedle Tra E M N

Date:

7/25/2012

Eddie M. Guerra

Brian A. Lucarelli

Date:

000		
LX X	Paul C. Rizzo Associates,	Inc.
	ENGINEERS & CONSULTANTS	

314

Status: Y NU

Area Walk-By Checklist (AWC)

Room

Floor El.

585

Bldg.

AUXB

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



Photo 1 Nut Missing on Conduit

	Paul C. Rizzo Asso	ciates, Inc.				S	heet 45	of 123
						Status)n u	
Area Walk-B	y Checklist (AWC)						
Room	318	Floor El.	_585	Bldg.	AUXB	-		
This checklist pace below e	ach of the following	cument the results of g questions may be	used to record t	x-By near one or mo he results of judgme tting other comment	ents and findings.	ìhe		
					Y	N	- U	N/A
	rage of equipment i adverse seismic cor binets)?			ily	X			
	rage of equipment	n the area appear t	o be free of sign	ificant	Y X	N	U	N/A
degraded co	onditions?							
Deced on a	visual inspaction fr	om the fleer de th	a aabla/aanduit		Y	N	U	N/A
raceways an	visual inspection fr d HVAC ducting aj ditions (e.g., conditi	opear to be free of	potentially adver	se		I	1	1
conditions o	f cable trays appear	to be inside accep	table limits)?					
D					Y	N	U	N/A
	ear that the area is f with other equipme				X		L	1
	acceleration interaction Masonry wa All walls ha	a at this location is with nearby equipn alls identified as 30 ve been seismically	less than 1g, it i nent. 98D, 309D, 310D v analyzed per N	not laterally suppor s unlikely for the ext 0, 311D, and 338D. RC IE Bulletin 80-1 Rev 3, VBW13-B001-	tinguisher to fall o 1 (Ref. VBW12-B(or cause sig 201-068, R	gnificant ev 3,	
Related equipr	ment on SWEL for	this area:						
) F108-1								
) E12B								
) C11-1								
) K5-1								
TE 5300								

- 5) TE-5329
- 6) C3615

7) DA-3783



Status (Y) N U

Area Walk-By Checklist (AWC)

Room	318	Floor El. <u>585</u> Bl	ldg.	AUXB	_		
Interaction H	Effects			Y	N	U	N/A
		free of potentially adverse seismic looding or spray in the area?		Х	1		
				Y	N	U	N/A
	bear that the area is that could cause a	free of potentially adverse seismic fire in the area?		X			
7 Does it apr	hear that the area is	free of potentially adverse seismic	, nites - 1	Y	N	U	N/A
interaction	ns associated with h, and temporary inst	ousekeeping practices, storage of portable tallations (e.g., scaffolding, lead			1		
		d no other seismic conditions that could nctions of the equipment in the area?		Y X	N	U]
Comments (A Fire Sources:		ay be added as necessary)					

No fire sources identified in area.

No concerns identified regarding flood sources. The potential flood sources in the area are EDG Jacket Codter Flooding Sources: E10-1, DG Oil Cooler E94-1, DG Jacket Water T121-1, Piping: Component Cooling, Domestic water, Diesel Fuel Oil, Demin Water, Fire Protection

Evaluated by:

Eddie M. Guerra

Date:

7/25/2012

Brian A. Lucarelli

Date:



318

Status (Y) N U

Area Walk-By Checklist (AWC)

Room

Floor El.

585

Bldg.

AUXB

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



Photo 1 Masonry Wall

Paul C. Rizzo Associates, Inc.		S	heet 48	of 123
		Status Y)n u	
Area Walk-By Checklist (AWC)				
Room <u>319</u> Floor El. <u>585</u> Bldg.	AUXB			
nstructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one or mo pace below each of the following questions may be used to record the results of judgme Additional space is provided at the end of this checklist for documenting other comment	ents and findings.	`he		
	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)?	X			
	Y	N	U	N/A
. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	X	I		
	Y	N	U	N/A
. 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			
	Y	N	U	N/A
b. 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			
Fire extinguisher is mounted on the wall and is not laterally suppo acceleration at this location is less than 1g, it is unlikely for the ex- interaction with nearby equipment. Block walk 304D and 307D identified in norm				21
Block walls 304D and 307D identified in room. All walls have been seismically analyzed per NRC IE Bulletin 80-1 and VBW12-B001-067, Rev 7).	1 (Ref. VBW12-B	001-064, R	Rev 8,	
Related equipment on SWEL for this area:				
) YF1				
2) K5-2				

3) C25-3



Status (Y) N U

Area Walk-By Checklist (AWC)

319	Floor El.	585	Bldg.	A	UXB	-		
ffects					Y	N	U	N/A
				L	Х			
ar that the area is	free of potentially	adverse seismic			Y	N	U	N/A
		auverse seisinie			^			
				_	Y	N	U	N/A
associated with h	ousekeeping practi	ces, storage of po	ortable	L	X			
oked for and foun	d no other seismic	conditions that co	ould		Y	N	U	1
					Λ	L	L	J
dditional pages ma	ay be added as nece	essary)						
	fects ar that the area is that could cause fl ar that the area is hat could cause a ar that the area is associated with h and temporary inst oked for and foun- fect the safety fur iditional pages ma	fects ar that the area is free of potentially a that could cause flooding or spray in ar that the area is free of potentially a hat could cause a fire in the area? ar that the area is free of potentially a associated with housekeeping practi- ind temporary installations (e.g., scaf oked for and found no other seismic of fect the safety functions of the equip dditional pages may be added as nece	Fects ar that the area is free of potentially adverse seismic that could cause flooding or spray in the area? ar that the area is free of potentially adverse seismic hat could cause a fire in the area? ar that the area is free of potentially adverse seismic associated with housekeeping practices, storage of po- ind temporary installations (e.g., scaffolding, lead oked for and found no other seismic conditions that co fect the safety functions of the equipment in the area?	Fects ar that the area is free of potentially adverse seismic that could cause flooding or spray in the area? ar that the area is free of potentially adverse seismic hat could cause a fire in the area? ar that the area is free of potentially adverse seismic hat could cause a fire in the area? ar that the area is free of potentially adverse seismic associated with housekeeping practices, storage of portable ind temporary installations (e.g., scaffolding, lead oked for and found no other seismic conditions that could fect the safety functions of the equipment in the area? dditional pages may be added as necessary)	fects ar that the area is free of potentially adverse seismic that could cause flooding or spray in the area? ar that the area is free of potentially adverse seismic hat could cause a fire in the area? ar that the area is free of potentially adverse seismic hat could cause a fire in the area? ar that the area is free of potentially adverse seismic associated with housekeeping practices, storage of portable ind temporary installations (e.g., scaffolding, lead oked for and found no other seismic conditions that could fect the safety functions of the equipment in the area? dditional pages may be added as necessary)	fects Y ar that the area is free of potentially adverse seismic X that could cause flooding or spray in the area? Y ar that the area is free of potentially adverse seismic X hat could cause a fire in the area? Y ar that the area is free of potentially adverse seismic X hat could cause a fire in the area? Y ar that the area is free of potentially adverse seismic X associated with housekeeping practices, storage of portable X und temporary installations (e.g., scaffolding, lead Y oked for and found no other seismic conditions that could X oked for and found no other seismic conditions that could X ifect the safety functions of the equipment in the area? House and be added as necessary)	Fects Y N ar that the area is free of potentially adverse seismic X X ar that the area is free of potentially adverse seismic X X hat could cause a fire in the area? Y N ar that the area is free of potentially adverse seismic X X hat could cause a fire in the area? Y N ar that the area is free of potentially adverse seismic X X ar that the area is free of potentially adverse seismic X X ar that the area is free of potentially adverse seismic X X ar that the area is free of potentially adverse seismic X X ar that the area is free of potentially adverse seismic X X ar that the area is free of potentially adverse seismic X X ar that the area is free of potentially adverse seismic X X ar that the area is free of potentially adverse seismic X X ar that the area is free of potentially adverse seismic X X ar that the area is free of potentially adverse seismic X X bed of the area is free of potentially adverse seismic X X	fects Y N U ar that the area is free of potentially adverse seismic X

No fire sources identified in area.

Flooding Sources: No concerns identified regarding flood sources. The potential flood sources in the area are EDG Jacket Codter E10-2, DG Lube oil HX E94-2, DG Jacket water T121-2, Piping: Component cooling, Domestic water, Diesel Fuel oil, demin water, fire protection

Evaluated by:

delle Eddie M. Guerra

Date:

7/25/2012

Brian A. Lucarelli

Date:

PCQ	Paul C. Rizzo Asso	ciates, Inc.		Sheet 5			
				Status	U		
Area Walk-I	By Checklist (AWC	C)					
Room	319	Floor El.	585	Bldg.	AUXB		

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



Photo 1 General View of Room 319

Paul C. Rizzo Associates, Inc. Shu							heet 51	eet 51 of 123			
						Status)n u				
Area Walk-By	Checklist (AWC))									
Room	<u>321A</u>	Floor El.	585	Bldg.	AUXB	•					
This checklist n pace below eac	ch of the following	ument the results of questions may be	e used to record t	c-By near one or mo he results of judgme nting other comment	ents and findings.	he					
					Y	N	U	N/A			
	age of equipment in dverse seismic cono nets)?			ily	X		Ι	<u> </u>			
					Y	N	U	N/A			
2. Does anchora degraded con	age of equipment in aditions?	n the area appear t	to be free of sign	ificant	X			1			
					Y	N	U	N/A			
raceways and seismic condi	isual inspection fro HVAC ducting ap tions (e.g., condition cable trays appear	pear to be free of on of supports is a	potentially advertion advertion of the second s	rse	X		<u> </u>				
4. Does it appea	ar that the area is fr	ee of potentially a	adverse seismic s	spatial	Y	N	U	N/A			
interactions v lighting)?	with other equipme Masonry wa Walls identif All walls hav	nt in the area (e.g. II, see Photo 1. fied as 305D and 2 be been seismicall B001-066, Rev 6)	., ceiling tiles and 306D. Both have y analyzed per N			001-065, K	Rev 5,				
1) LT-2787											

00

2) T46-1



Status (Y) N U

Area Walk-By Checklist (AWC)

Room	<u>321A</u>	Floor El.	585	Bldg.	AUXB	_		
Interaction E	ffects				Y	N	U	N/A
	ear that the area is f that could cause flo				X			
					Y	N	U	N/A
	ear that the area is f that could cause a f	· · · · · · · · · · · · · · · · · · ·	adverse seismic		X	1		
	ear that the area is f s associated with ho			table	Y	N	U	N/A
	and temporary insta			lable				
					Y	N	U	1
	ooked for and found affect the safety fun			uld	X		1	J

Comments (Additional pages may be added as necessary)

Fire Sources: EMERGENCY DIESEL GENERATOR DAY TANK 1-1 No concerns identified regarding fire sources. The potential ignition sources in the area are EMERGENCY DIESEL GENERATOR DAY TANK 1-1

Flooding Sources: No concerns identified regarding flood sources. The potential flood sources in the area are EDG Day Tark T46-1, Piping: Diesel Fuel Oil, Fire Protection

Evaluated by:

delle Eddie M. Guerra

Date:

7/25/2012

Brian A. Lucarelli

Date:

7/25/2012

-

LA K	Paul C. Rizzo Associates,	Inc.
	ENGINEERS & CONSULTANTS	

321A

Status Y N U

Area Walk-By Checklist (AWC)

D	00						
K	00) [[]					

Floor El.

585

Bldg.

AUXB

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



Photo 1 Masonry Wall

	Paul C. Rizzo Assoc ENGINEERS & CONSULTANTS	ciates, Inc.				S	heet 54	of 123
						Status)n u	
Area Walk-B	By Checklist (AWC)						
Room	323	Floor El.	585	Bldg.	AUXB			
This checklist space below e	for Completing Ch may be used to doc each of the following ace is provided at th	cument the results g questions may be	e used to record th	he results of judgme	ents and findings.	he		
					Y	N	U	N/A
	orage of equipment i adverse seismic con binets)?			ily	X			
					Y	N	U	N/A
2. Does ancho degraded co	orage of equipment i onditions?	in the area appear	to be free of signi	ificant	X		[
					Y	N	U	N/A
	visual inspection fr				X			
seismic con	nd HVAC ducting and ditions (e.g., condition of cable trays appear	ion of supports is a	adequate and fill	se				
					Y	N	U	N/A
	bear that the area is f s with other equipm			5,	X			

Fire extinguisher is mounted on the wall and is not laterally supported. It is judged that since the vertical acceleration at this location is less than 1g, it is unlikely for the extinguisher to fall or cause significant interaction with nearby equipment.

Related equipment on SWEL for this area:

1) D1



Status (Y) N U

Area Walk-By Checklist (AWC)

Room	323	Floor El.	585	Bldg.	AUXB			
Interaction Effe	ects				Y	N	- U	N/A
		free of potentially a looding or spray in			X		Ι	
					Y	N	U	N/A
	r that the area is at could cause a	free of potentially a fire in the area?	dverse seismic		X	[L.	I
					Y	N	U	N/A
interactions a	ssociated with h	free of potentially a ousekeeping practic allations (e.g., scaf	ces, storage of porta	ble	X			
		inet left open, see P is cabinet is anchoi	hoto 2. red and judged not	to cause any inter	action with nearl	y equipme	ent.	
					Y	N	U	
		d no other seismic on the equipse	conditions that could ment in the area?	d	X			J
Comments (Add	litional pages ma	ay be added as nece	ssary)					
Fire Sources:	NO							
	No fire sou	rces identified in ar	ea.					
Flooding Source	es: NO							

No flood sources identified in area.

Evaluated by:

atter Mehnatt

Date:

Date:

7/25/2012

7/25/2012

Eddie M. Guerra

Brian A. Lucarelli

PCS	Paul C. Rizzo Asso	ociates, Inc.		Sheet 56 of 12				
					Status Y N U			
Area Walk-	By Checklist (AWC	C)						
Room	323	Floor El.	585	Bldg.	AUXB			

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



Photo 1 General View of Room 323 Photo 2 Supply Cabinet Left Open

Paul C. Rizzo Associates, Inc.		Sheet 57 of 123						
	Status							
Area Walk-By Checklist (AWC)								
Room 325 Floor El. 585 Bldg.	AUXB	-						
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one or r space below each of the following questions may be used to record the results of judg Additional space is provided at the end of this checklist for documenting other comme	ments and findings.	he						
	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)? 	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	X		1					
conditions of cable trays appear to be inside acceptable limits)?	v	N		21/4				
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)?				•				
Fire extinguisher is mounted on the wall and is not laterally sup acceleration at this location is less than 1g, it is unlikely for the interaction with nearby equipment.	· · · · · · · · · · · · · · · · · · ·							
Flourescent lights ovserved above sensitive equipment.								
Flourescent lights jusdged as OK based on testing of lights performed at the second se	ormed for IPEEE.							

1) C3645

2) C1



Status (Y)N U

Area Walk-By Checklist (AWC)

Room	325	Floor El.	585	Bldg.	AUX	B		_	
Interaction l	Effects				Y	7	N	U	N/A
	pear that the area is s that could cause fl					{			
					,	ł	N	U	N/A
	pear that the area is s that could cause a		adverse seismic			<			
					,	7	N	U	N/A
interaction	pear that the area is ns associated with h , and temporary inst ?	ousekeeping practi	ces, storage of po	rtable		(
	looked for and foun affect the safety fur					(K	N	U]

Comments (Additional pages may be added as necessary)

Fire Sources: Screens per FAQ 07-0031; 30 kVA No concerns identified regarding fire sources. The potential ignition sources in the area are Screens per FAQ 07-0031; 30 kVA

NO Flooding Sources:

No flood sources identified in area.

Evaluated by:

atte Eddie M. Guerra

Date:

7/25/2012

Brian A. Lucarelli

Date:

LC Z	Paul C. Rizzo Associates, Inc.
	ENGINEERS & CONSULTANTS

325

Status (Y)N U

Area Walk-By Checklist (AWC)

Room			

Floor El.

585

Bldg.

AUXB

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



General View of Room 325

	Paul C. Rizzo Associates, Inc. ENGINEERS & CONSULTANTS							Sheet 60 of 123				
							St	atus (Y)n u			
rea Walk-B	y Checklist (AWC	C)										
oom	328	Floor El.	585	Bldg.	AU	JXB	-					
his checklist bace below ea	ach of the followin	cument the results of g questions may be	e used to record the	-By near one or more he results of judgmen ting other comments.	ts and find							
						Y		N	U	N/A		
potentially a	Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?											
optining the	Need to ver	rify anchorage of E						N		N1/A		
Anchorage confirmed to be consistent with design documentation. Does anchorage of equipment in the area appear to be free of significant degraded conditions?						Y X	1	N	U	N/A		
						Y		N	U	N/A		
raceways and seismic conc	d HVAC ducting a litions (e.g., condit	rom the floor, do th appear to be free of tion of supports is a r to be inside accep	potentially adver dequate and fill	se		Х	1					
						Y		N	U	N/A		
		free of potentially a nent in the area (e.g		-		Х	1		I			
	acceleratio interaction Masonry w Walls ident per NRC II	n at this location is with nearby equip all adjacent to E22 tified as 3307, 3347	s less than 1g, it i ment. 7, see Photo 1. 7, 3397, and 3407 ef. VBW17-B001-	not laterally support s unlikely for the extin 7. All walls have beer -088, Rev 6, VBW18-1 95, Rev 10).	nguisher t n seismica	o fall lly an	or ca nalyze	ause sig				
Related equip	ment on SWEL for	this area:										

1) E22-1

2) E22-2

3) P43-2



Area Walk-By Checklist (AWC)

Status (Y)N U

Room	328	Floor El.	585	Bldg.	A	UXB	-		
Interaction Eff	fects					Y	N	U	N/A
	Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?					Х			
6 Doos it anno	or that the area is	free of notentially a	duarra gaignia			Y	N	U	N/A
	at could cause a t	free of potentially a fire in the area?	auverse seismic		L	X			1
						Y	N	U	N/A
interactions a	associated with he	free of potentially a ousekeeping practic allations (e.g., scaf	ces, storage of po	ortable	L	X			
	Scaffolding	and stepladders in	area appear to	be properly restrain	ed	Y	N	U	
	8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?					X]
Comments (Ad <i>Fire Sources:</i>	ditional pages ma	ay be added as nece	essary)						
The bources.		rces identified in ar	rea.						

Flooding Sources: No concerns identified regarding flood sources. The potential flood sources in the area are CCW HX E22-1, E22-2, E23-3, Chem pot feeder T13, Piping: Fire Protection, Component Cooling, Demin water, service water.

Evaluated by:

Eddie M. Guerra

Date:

7/25/2012

Brian A. Lucarelli

no

Date:

PCQ	Paul C. Rizzo Asso	ciates, Inc.		Sheet 62 of 123	
					Status YN U
Area Walk-I	By Checklist (AWC	()			
Room	328	Floor El.	585	Bldg.	AUXB

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



Photo 1 General View of Room 328 Masonry Wall Adjacent to Heat Exchange E22-1

	Paul C. Rizzo Assoc ngineers & consultants		Sheet 63 of 12					
						Status:) N U	
Area Walk-B	y Checklist (AWC)						
Room	427	Floor El.	603	Bldg.	AUXB	-		
This checklist space below e	for Completing Ch may be used to doc ach of the following ace is provided at th	cument the results g questions may be	e used to record the	e results of judgme	ents and findings.	Гhe		
					Y	N	- U	N/A
potentially a	Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?							
					Y	N	U	N/A
2. Does ancho degraded co	rage of equipment i onditions?	in the area appear	to be free of signif	icant	X			
					Y	N	U	N/A
3. Based on a	visual inspection from	om the floor, do th	e cable/conduit		X			
seismic cond	d HVAC ducting ap ditions (e.g., conditi f cable trays appear	ion of supports is a	dequate and fill	e				
1.0					Y	N	U	N/A
	ear that the area is f with other equipme			atial	X			
	acceleration		on the wall and is r less than 1g, it is ment	A construction of the second state of the second state of the second state of the second state of the second st				ıl
	on the contraction of the contra							

Related equipment on SWEL for this area:

1) F11A



Area Walk-By Checklist (AWC)

Status: (Y) N U

Room	<u>427</u> Floor El. <u>603</u>	Bldg.	AUXB			
Interaction Effects			Y	N	U	N/A
	It the area is free of potentially adverse seismic ould cause flooding or spray in the area?		X			
	t the area is free of potentially adverse seismic		Y X	N	U	N/A
interactions that c	ould cause a fire in the area?					
			Y	N	U	N/A
interactions asso	at the area is free of potentially adverse seismic ciated with housekeeping practices, storage of portable mporary installations (e.g., scaffolding, lead <i>Ladder is stored adjacent to MCC and is tied loosely, s</i>	see Photo 2.				
	Recommended to be tighten but judged not a significant	nt adverse condition	1.			
	for and found no other seismic conditions that could he safety functions of the equipment in the area?		Y X	N	U]
Comments (Addition <i>Fire Sources:</i>	nal pages may be added as necessary) Transformer Feed to DP4502, 480V Transformer for N No concerns identified regarding fire sources. The pot DP4502, 480V Transformer for MCC YF2		rces in the a	area are T	ransform	er Feed to
Flooding Sources:	No concerns identified regarding flood sources. The p Fire Protection	potential flood sour	ces in the a	rea are Pi	ping: Ma	in Steam,
Evaluated by:	Eddie M. Guerra	Date:	7/25/2012			

Brian A. Lucarelli Date:

	Paul C. Rizzo Asso	ciates, Inc.		Sheet 65 of 12.	3	
					Status: Y N U	
Area Walk-I	By Checklist (AWC	C)				
Room	427	Floor El.	603	Bldg.	AUXB	

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



Photo 1 General View of Room 427



Photo 2 Ladder Loosely Tied Adjacent to MCC F11A

	Paul C. Rizzo Associates, Inc. ENCIPEERS & CONSULTANTS					
				Status:)n u	
Area Walk-By Checklis	t (AWC)					
Room <u>428</u>	Floor El. <u>603</u>	Bldg.	AUXB	-		
space below each of the f	eting Checklist ed to document the results of the Area Wal following questions may be used to record ded at the end of this checklist for docume	the results of judgmen	nts and findings.	ìhe		
			Y	N	- U	N/A
	aipment in the area appear to be free of smic conditions (if visible without necessa	ırily	X			
			Y	N	U	N/A
2. Does anchorage of equ degraded conditions?	ipment in the area appear to be free of sig	nificant	X		1	1
			Y	N	U	N/A
-	ection from the floor, do the cable/conduit		X			
seismic conditions (e.g	ucting appear to be free of potentially advo ., condition of supports is adequate and fill vs appear to be inside acceptable limits)?					
1 Doos it oppose that the	area is free of potentially adverse seismic	enotial	Y	N	U	N/A
	equipment in the area (e.g., ceiling tiles a			1	1	
Firacc	e extinguisher is mounted on the wall and eleration at this location is less than 1g, it eraction with nearby equipment.					ıl
Ma Blo	sonry walls adjacent to components, see P ck walls identified as walls 4016, 4026, 40 walls have been seismically analyzed per J	036, 4046, 4786, 4796			Pev 14	
	W21-B001-102, Rev 13, VBW25-B001-125			001-100, N		

VBW27-B001-135, Rev 19, VBW27-B001-136, Rev 3 and VBW28-B001-137, Rev 3.

Related equipment on SWEL for this area:

1) C4606	9) DBC2P	17) DC1
2) F12A	10) F1	18) Y1
3) FD1062	11) D233	
4) D2_ED	12) XDF1-2	
5) D2P	13) C4605	
6) Y2	14) D233	
7) YV2	15) DBC1PN	
8) YV4	16) DBC2PN	



Status: (Y) N U

Area Walk-By Checklist (AWC)

Room	428	Floor El.	603	Bldg.	AUX	В	•		
Interaction B	Effects				Ŋ	7	N	U	N/A
	Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?								
						7	N	U	N/A
	bear that the area is f that could cause a f	free of potentially adve fire in the area?	rse seismic		>	(
							N	U	N/A
interaction	ns associated with he , and temporary inst	Tree of potentially adve busekeeping practices, allations (e.g., scaffold	storage of portable			{			
	Electrical c	art and tools unrestrai ment were found to be serviced.			١	Ţ.	N	U	
		I no other seismic cond ctions of the equipmen			>	(
	Door to cal	vinet DCB-2P observed	open. See Photo	4.					

Judged okay as the equipment was being serviced.

Comments (Additional pages may be added as necessary)

Fire Sources: No concerns identified regarding fire sources. The potential ignition sources in the area are Power Transformer for Substation F2 &F1, Transformer for H3602 and H4602, Lighting Station Transformer, Constant Voltage Transformer XY2, Static Voltage Regulator

Flooding Sources: NO

No flood sources identified in area.

Evaluated by:

1410 Eddie M. Guerra

Date:

7/25/2012

Brian A. Lucarelli

7/25/2012

No concerns identified regarding fire sources. The potential ignition sources in the area are Power Transformer for

Date:

PCQ	Paul C. Rizzo Assoc	tiates, Inc.		Sheet 68 of 123	
					Status: (Y) N U
Area Walk-B	y Checklist (AWC)			
Room	428	Floor El.	603	Bldg.	AUXB

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



Photo 1 General View of Room 428

Photo 2 Masonry Wall Adjacent to Components

000		
Re r	Paul C. Rizzo Associates, I	lnc.
	ENGINEERS & CONSULTANTS	

428

Status: (Y) N U

Area Walk-By Checklist (AWC)

Room

Fl

Floor El. 603

Bldg.

AUXB

Supporting Photos (continued):



Photo 3 Unrestrained Work Cart

Photo 4 Cabinet DCB-2P Door Left Open

	ANTS						
					Status: Y)n u	
rea Walk-By Checklist (A	WC)						
Room <u>428A</u>	Floor El.	603	Bldg.	AUXB			
nstructions for Completing This checklist may be used to pace below each of the follo Additional space is provided	o document the results o wing questions may be	e used to record t	he results of judgme	ents and findings.	'ne		
				Y	N	- U	N/A
Does anchorage of equipm potentially adverse seismic opening cabinets)?			ily	X			
				Y	N	U	N/A
2. Does anchorage of equipm degraded conditions?	ent in the area appear t	o be free of sign	ificant	X		1	
				Y	N	U	N/A
B. Based on a visual inspection				X	I		
raceways and HVAC ducti seismic conditions (e.g., co conditions of cable trays ap	ondition of supports is a	dequate and fill	se				
• •	•			Y	N	U	N/A
D 's d sd	a is free of potentially a			X			
interactions with other equ lighting)?	inpinent in the area (e.g.						

1) 2P

2) 2N

3) C78-2



Status: (Y) N U

Area Walk-By Checklist (AWC)

Room	428A	Floor El.	603	Bldg.	AUXB	-		
Interaction H	Effects				Y	N	- U	N/A
	bear that the area is that could cause fl				X]		
					Y	N	U	N/A
	bear that the area is to that could cause a t		adverse seismic		X			
					Y	N	U	N/A
7. Does it app	ear that the area is t	free of potentially a	adverse seismic		X			
	s associated with he and temporary inst	· · · ·	• • •	oortable				

shielding)?

Wooden scaffolding was found near battery rack which could represent a potential adverse condition. Control process confirmed scaffold is temporary and complies with work period.

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

Ŷ	N U
-	
v	

Comments (Additional pages may be added as necessary) Fire Sources: NO No fire sources identified in area.

Flooding Sources: NO

No flood sources identified in area.

Evaluated by:

detie 4 no

Date:

Date:

7/25/2012

Eddie M. Guerra

Brian A. Lucarelli

DOD	
LA X	Paul C. Rizzo Associates, Inc.
_	ENGINEERS & CONSULTANTS

428A

Status: (Y) N U

Area Walk-By Checklist (AWC)

Room

Floor El.

603

Bldg.

AUXB

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



General View of Room 428A

							Status: Y)n u	
Area Walk-l	By Checklist (AWC))							
Room	428B	Floor El.	603	Bldg.	A	UXB			
This checklis	for Completing Cha t may be used to docu each of the following bace is provided at the	ument the results of t questions may be us	sed to record the	results of judgme	ents and fir		he		
Dessarah		41	- frag of			Y X	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)?					L			1	1
						Y	N	U	N/A
. Does anche degraded c	orage of equipment in onditions?	1 the area appear to b	be free of signific	cant		Х			
						Y	N	U	N/A
	visual inspection fro					Х		1	
seismic con	nd HVAC ducting ap iditions (e.g., condition of cable trays appear	on of supports is ade	quate and fill						
conunions					_	Y	N	U	N/A
		ee of potentially adv	arca caismia sna	tial		Х			

CIL

-

1 72

6100

Walls in the area identified as 4016 and 4026, both seismically analyzed per NRC IE Bulletin 80-11 (Ref. VBW20-B001-100, Rev 14).

Related equipment on SWEL for this area:

1) D2N

.



Status: YN U

Area Walk-By Checklist (AWC)

Room	<u>428B</u> Floor El. <u>603</u> Bldg.	AUXB			
Interaction Effects		Y	N	U	N/A
	at the area is free of potentially adverse seismic could cause flooding or spray in the area?	X			
	at the area is free of potentially adverse seismic ould cause a fire in the area?	Y X	N	U	N/A
		Y	N	U	N/A
interactions asso	at the area is free of potentially adverse seismic ciated with housekeeping practices, storage of portable emporary installations (e.g., scaffolding, lead				1
	for and found no other seismic conditions that could the safety functions of the equipment in the area?	Y X	N	U]
C omments (Addition Fire Sources:	onal pages may be added as necessary) NO No fire sources identified in area.				
Flooding Sources:	NO No flood sources identified in area.				
Evaluated by:	Eddie M. Guerra Date:	7/25/2012			
	Brian A. Lucarelli Date:	7/25/2012		•	

	Paul C. Rizzo Asso	ciates, Inc.			S	Sheet 75 of 123
					Status:) n u
Area Walk-l	By Checklist (AWC	C)				
Room	428B	Floor El.	603	Bldg.	AUXB	

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



General View of Room 428B

Paul C. R ENGINEERS & C	Lizzo Associate	es, Inc.					SI	heet 76	of 123
							Status:)n u	
Area Walk-By Check	list (AWC)								
Room <u>4</u>	29	Floor El.	603	Bldg.	A	UXB	-		
Instructions for Comp This checklist may be a space below each of the Additional space is pro	used to docum e following qu	ent the results lestions may be	e used to record the	he results of judgn	nents and fir		The	-	
						Y	N	U	N/A
Does anchorage of e potentially adverse s opening cabinets)?				ily		Х			
						Y	N	U	N/A
 Does anchorage of e degraded conditions 		ne area appear	to be free of sign	ificant		X		I	
						Y	N	U	N/A
B. Based on a visual instruction raceways and HVAC seismic conditions (e conditions of cable tr	ducting appeal.g., condition	ar to be free of of supports is a	potentially adver dequate and fill	se		X			
4. Does it appear that the interactions with oth lighting)?						Y X	N	U	N/A
Related equipment on	SWEL for this	area:							
1) Y105									
2) D1_ED									
3) YRF1									
0.51									
4) E1									



Status: (Y) N U

Area Walk-By Checklist (AWC)

Room	429	Floor El. <u>603</u>	Bldg.	AUXB	•		
Interaction Ef	fects			Y	N	- U	N/A
		free of potentially adverse seismic looding or spray in the area?		X		I	
6. Does it appe	ar that the area is	free of potentially adverse seismic		Y	N	U	N/A
	hat could cause a					Leven	
				Y	N	U	N/A
interactions	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)?		ortable	<u> </u>			
				Y	N	U	-
		d no other seismic conditions that on the equipment in the area		X	[J

Comments (Additional pages may be added as necessary)

Fire Sources: Power Transformer For Substation E2 & E1, Constant Voltage Transformer, Static Voltage Regulator No concerns identified regarding fire sources. The potential ignition sources in the area are Power Transformer For Substation E2 & E1, Constant Voltage Transformer, Static Voltage Regulator

Flooding Sources: NO

No flood sources identified in area.

Evaluated by:

Eddie M. Guerra

Date:

7/25/2012

Brian A. Lucarella

Date:

PCS	Paul C. Rizzo Asso	ociates, Inc.			Sheet 78	
						Status: YN U
Area Walk-l	By Checklist (AWG	C)				
Room	429	Floor El.	603	Bldg.	AUXB	

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

Sheet 78 of 123



General View of Room 429