Attachment D

AREA WALK-BY CHECKLISTS (AWCs)

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Attachment I
Page 2 of 16'

Area Walk-By Checklist (AWC)AWC- 001	Status: YX N U
Location: Bldg. AB Floor El. 93 Room, Area 1A102,07	
SWEL Components: SWEL1- 024,030	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one 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 co	judgments and findings.
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□
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? All anchor bolts from visually inspection seem to be in intact. The supports were coated and some mild oxidation/dirt was noticed on some anchor supports in the room but were no concerns to the anchors as they can still perform as designed. 	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)?	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 001</u>	Status: Y⊠ N□ U□
Location: Bldg. AB Floor El. 93 Room, Area 1A102,07	
Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments	
Pry bar behind column. Temporary scaffold was identified in this area be interaction issues. 18" line off RHR Heat exchanger A has a base period plate for the support. The pipe support is for horizontal load of to move in the vertical direction.	late that is not welded to
Evaluated by: Chase Wharton (h WA	Date: 10/8/2012
Fred Hopkins July Hopk	10/8/2012

Attachment D

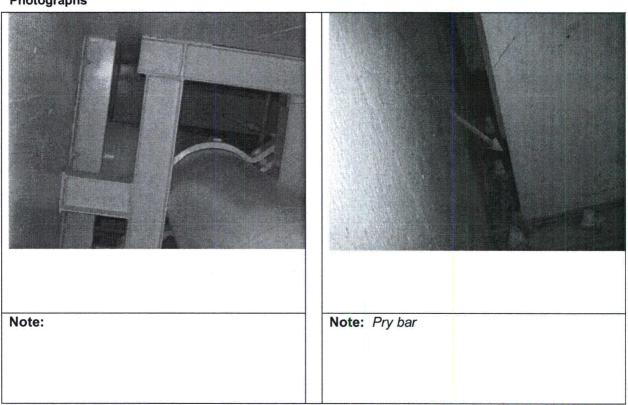
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Area Walk-By Checklist (AWC) __AWC- 001

Location: Bldg. AB Floor El. 93 Room, Area¹ 1A102,07

Photographs



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Area Walk-	·By Checklist ((AWC)/	AWC- 002	_		Status: Y⊠ N⊡ U	
Location: Bl	ldg. <u>AB</u>	Floor El.	93	Room, Area1	1A103,07		
SWEL Con	nponents: <u>SW</u>	EL1- 012,	033,072	_			
This checklis		document wing quest	the results ions may be	used to record	the results of	e or more SWEL items. Th f judgments and findings. mments.	ie
poter	anchorage of ec ntially adverse se ing cabinets)?					Y⊠ N□ U□ N/A□	
	s anchorage of ed ficant degraded o		the area ap	pear to be free	of	Y⊠ N□ U□ N/A□	
race\ seisn	ed on a visual insways and HVAC nic conditions (e. itions of cable tra	ducting app g., conditio	pear to be fre n of support	ee of potentially s is adequate a	y adverse and fill	Y⊠ N□ U□ N/A□	
spati	s it appear that th al interactions wi ighting)?					Y⊠ N□ U□ N/A□	

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Wa	ilk-By	Checkli	st (AWC)	AWC- 0	002	Si	tatus: Y⊠ N□ U□
Location:	Bldg.	AB	Floor El.	93	Room, Area ¹ 1A103,07		
					tentially adverse seismic spray in the area?	Y⊠	N U N/A
			t the area is fr uld cause a fi		tentially adverse seismic area?	Y⊠	N_ U_ N/A_
int po	eractio	ns associ equipmen	ated with hou	sekeepin	tentially adverse seismic ng practices, storage of llations (e.g., scaffolding, lead	Y⊠	N U UNA
					seismic conditions that could e equipment in the area?	Y⊠	N[] U[]
Commen	t <u>s</u>						
ter	for sca	affold tie o Id is seisn	ffs was lying (on cable	rea with a harness for climb pro tray and one light was identified cordance with procedures and l	d out in	this area. The
Evaluated	bу: <u>С</u>	ase Whai	ton (M	We	4	Date:	10/8/2012
,	Fre	ed Hopkin	s/ms	set	Hapley	-	10/8/2012

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Area Walk-By	Checklist (/	AWC)/	AWC- 002	_		Status:	Y⊠ N□ U□]
Location: Bldg.	AB	Floor El.	93	Room, Area ¹	1A103,07			200-2 0
			ens are marine a more					

Photographs	
Note:	Note:

Area Walk-By Checklist (AWC	AWC- 003	Status: Y⊠ N∐ U[
Location: Bldg. AB Floor	r El. <u>93</u> Room, Area	a¹ <u>1A104,AB</u>	
SWEL Components: SWEL1- (006,039		
	ment the results of the Area W juestions may be used to reco	Walk-By near one or more SWEL items. The ord the results of judgments and findings. menting other comments.	e
Does anchorage of equipment potentially adverse seismic concentration opening cabinets)?	ent in the area appear to be fre conditions (if visible without ne		
Does anchorage of equipment significant degraded conditions		ree of Y⊠ N□ U□ N/A□	
seismic conditions (e.g., cor	n from the floor, do the cable/og appear to be free of potentiandition of supports is adequate bear to be inside acceptable line.	ally adverse te and fill	
4. Does it appear that the area spatial interactions with other and lighting)?	is free of potentially adverse er equipment in the area (e.g.,		

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 003</u>	Status: Y N N U
Location: Bldg. AB Floor El. 93 Room, Area ¹ 1A104,	AB
Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ 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?	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 equipment, and temporary installations (e.g., scaffolding, leshielding)?	Y⊠ N∏ U∏ N/A∏ ead
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	ıld Y⊠ N□ U□
Comments	
Equipment stored in LDWA. Two lights are out. TIA Turbine Inboard	1 Axial Sensor is not mounted
Evaluated by: Chase Wharton Che What	Date: <u>10/4/2012</u>
Fred Hopkins July de Haple	10/4/2012

Attachment D

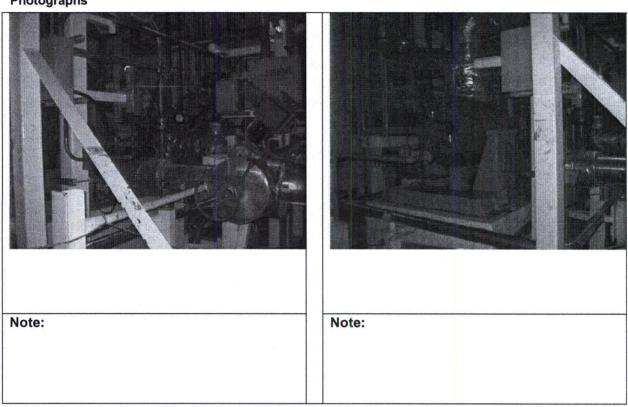
Page 10 of 167

Status: Y⊠ N□ U□	Status:	$Y \boxtimes$	$N\square$	U
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Area Walk-By Checklist (AWC) AWC- 003

Location: Bldg. <u>AB</u> Floor El. <u>93</u> Room, Area¹ <u>1A104.AB</u>

Photographs



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Status:	$Y \boxtimes$	N	U
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Area Walk-By Checklist (AWC) __AWC- 003

Location: Bldg.	AB	Floor El.	93	Room, Area ¹	1A104,AB	
Note:				Note:		

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Page	12	of	167

Area \	Walk-By Checklist	t (AWC) <u>AWC- 00</u>	4_		Status: Y⊠ N∟	U U
Location	on: Bldg. <u>AB</u>	Floor El. <u>93</u>	Room, Area ¹	1A105,08		
SWEL	. Components: <u>SV</u>	VEL1- 031,035				
This ch	below each of the fol	ng Checklist to document the resullowing questions may d at the end of this che	be used to record	the results of jud	dgments and findir	
1.		equipment in the area seismic conditions (if v			⊠ N∏ U∏ N/A	
2.	Does anchorage of significant degraded	equipment in the area	appear to be free	of Y	⊠ N□ U□ N/A	
3.	raceways and HVA0 seismic conditions (nspection from the floo C ducting appear to be e.g., condition of supp trays appear to be insi	free of potentially orts is adequate	y adverse and fill	⊠ N□ U□ N/A	
4.		the area is free of pote with other equipment i			⊠ N□ U□ N/A	

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area W	alk-By	Checklis	t (AWC)	AWC- 00	04		Status	s: YX N U
Location	: Bldg.	AB	Floor El.	93	Room, A	rea¹ <u>1A105,08</u>		
					entially adver spray in the ar		Y⊠ N[U N/A
			the area is fr uld cause a fi		entially adver: area?	se seismic	Y⊠ N□] U[] N/A[]
in pe	teractio	ns associa equipment	ited with hous	sekeeping	entially advers g practices, si ations (e.g., s		Y⊠ N□] U[N/A[]
ac	dversely	affect the		ons of the	e equipment in	ons that could n the area?	Y□ N⊠	V
Commer	<u></u>			——————————————————————————————————————				
Te	area. restrai an iss	There is s ined in the ue. Broke ment and t	tored scaffold area. The to n conduit sup	is in the s emporary port cond	safe storage a lighting has f luit has adequ	rea and the temp	orary scaffo eismic inter om any safe	action will not be ty related
Evaluate	d by: <u><i>Cf</i></u>	nase Whar	ton M	hes			Date: <u>10/</u>	/3/2012
	Fre	ed Hopkin.	Jul	l A	tes	·	<u>10/</u>	3/2012

Attachment D

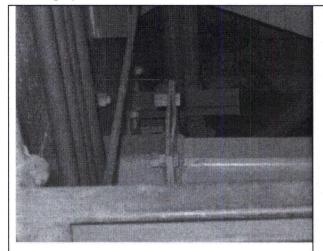
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Status:	$\mathbf{Y}\mathbf{X}$	$N\square$	$u\Box$
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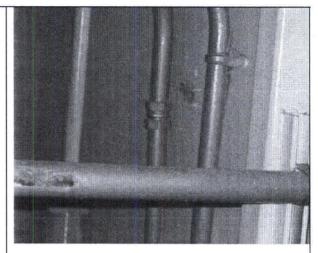
Area Walk-By Checklist (AWC) AWC- 004

Location: Bldg. <u>AB</u> Floor El. <u>93</u> Room, Area¹ <u>1A105,08</u>

Photographs



Note: Bent base plate.



Note: Broken conduit support.

Atta	chi	nei	nt D
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Area Wa	alk-By Checklis	t (AWC)A	WC- 005	_		Status	:: Y⊠ N∏ U∏
Location:	Bldg. <u>AB</u>	Floor El.	93	Room, Area ¹	<u>1A106,08</u>		
SWEL C	Components: <u>S\</u>	NEL1- 013,	092				
Instructi	ons for Completi	ng Checklist					
space be	cklist may be used slow each of the fo al space is provide	llowing questi	ons may be	used to record	d the results of	of judgment	
ро Ој 3	oes anchorage of otentially adverse pening cabinets)? nuts not fully engal 1318.	seismic condi	tions (if visi	ble without nec	essarily	Y□ N⊠	U[] N/A[]
	loes anchorage of Ignificant degraded		the area ap	ppear to be free	e of	Y⊠ N⊏] U N/A
ra Se	ased on a visual in aceways and HVA eismic conditions (onditions of cable	C ducting app e.g., condition	ear to be front of support	ee of potentiall	y adverse and fill	Y⊠ N□] U[N/A[]
s; a: <	Poes it appear that patial interactions nd lighting)? 1/2" spcing from a 0 and PDS0133, F	with other equ	uipment in the	he area (e.g., o Based on PDS0	eiling tiles	Y⊠ N□] U[] N/A[]

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 005</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. AB Floor El. 93 Room, Area 1A106,08	
Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ 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? There are wires attached to displacement transducers but the wires are covered, protected and not exposed to the environment, therefore would not create a fire hazard. The wires are flexible and will not create a seismic interaction issue.	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)? Long term scaffolding <2" away from valve. Scaffold was evaluated per the attached tag. Scaffold is also restrained in both N-S and E-W directions, and therefore does not cause an adverse seismic condition.	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments	
Temporary Scaffold in area. Threaded rod found leaning on column and to pipe support (CR-GGN-2012-11317).1E12F029B and 1E12F003B are down to 93' elevation. (CR-GGN-2012-11315) Light out between heat oxidation on drain pipe. Cracked grout in penetration (CR-GGN-2012-issues and oil was observed leaking from 108' elevation above down of floor elevation (CR-GGN-2012-11313).	leaking onto piping and exchangers. Mild surface 11316). Housekeeping
Evaluated by: <u>Chase Wharton</u>	Date: 10/3/2012
Fred Hopkins July Hall	10/3/2012

Rev. 0 Attachment D

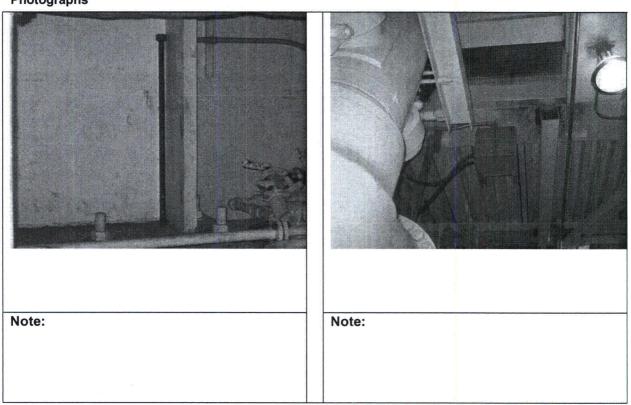
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Status: Y N U	Status:	YX	$N\square$	U
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A	Malla Day	Ole a alalian	(AIAIC)	AVAIO DOF
Area	walk-by	Checklist	(AVVC)	AWC- 005

Location: Bldg. AB Floor El. 93 Room, Area¹ 1A106,08

Photographs



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Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) __AWC- 005

Location: Bldg. AB Floor El. 93 Room, Area: 1A106,08

Room, Area: 1A106,08

Note: Note:

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Area Walk-By Checklist (AWC)AWC- 006_	Status: Y⊠ N_ U_
Location: Bldg. <u>AB</u> Floor El. <u>93</u> Room, Area¹ <u>1A115, 0</u>	09
SWEL Components: SWEL1- 022,057	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near space below each of the following questions may be used to record the results additional space is provided at the end of this checklist for documenting other spaces.	lts of judgments and findings.
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□
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)?	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checkli	st (AWC)AWC- 0	06	Status: YX N U
Location: Bldg. AB	Floor El. 93	Room, Area ¹ 1A115, 09	
	at the area is free of pot ould cause flooding or s	entially adverse seismic spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that interactions that or	ot the area is free of pot ould cause a fire in the	entially adverse seismic area?	Y⊠ N□ U□ N/A□
interactions associ	iated with housekeeping	entially adverse seismic g practices, storage of lations (e.g., scaffolding, lead	Y⊠ N□ U□ N/A□
		eismic conditions that could e equipment in the area?	Y⊠ N□ U□
Comments Temporary scaffold seismic conditio		over is not anchored, but does	not cause any adverse
Evaluated by: <u>Chase Wha</u>	non Chus		Date: <u>10/8/2012</u>
<u>Fred Hopkir</u>	ns ful H	>	10/8/2012 Page 2 of 4

Attachment D

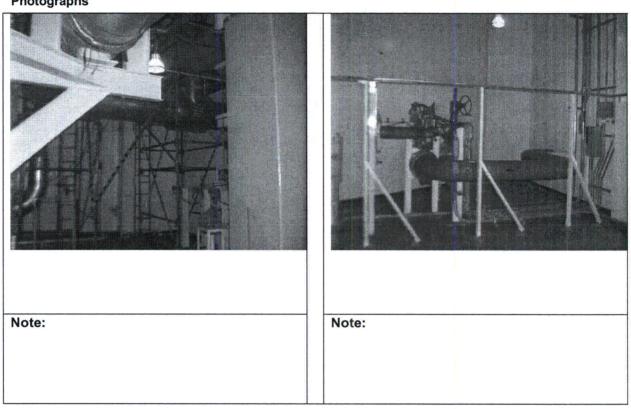
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Status:	YX	$N\square$	uП
otatus.		1.4	

Area Walk-By Checklist (AWC) __AWC- 006

Location: Bldg. AB Floor El. 93 Room, Area¹ 1A115, 09

Photographs



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Status: Y⊠ N⊟ U匚		YX	Status:
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Area Walk-By Checklist (AWC) __AWC- 006_

Location: Bldg. AB	Floor El. <u>93</u>	Room, Area ¹	1A115, 09
The Research Section 18 18 18 18			
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A SALE S			
想。不是	情量摄		
E water	計划。		
	May 1	The Section of the Control of the Co	
	推翻計畫		
新 Marin F			
Notes Circle with a second		N.	interviewe (in the National Cost) (2000), and (100 are constructed as a construction of the cost of the cost of
Note: Sink with cover		Note:	
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Area Wal	k-By Checklist (<i>l</i>	AWC) <u>AW</u>	C- 007		Status: Y⊠ N⊡ U	
Location:	Bldg. <u>AB</u>	Floor El. 93	Room	Area ¹ <u>1A116, 10</u>		
SWEL Co	mponents: <u>SWE</u>	L1- 059				
This check space belo	w each of the follow	document the	s may be used to		ne or more SWEL items. The of judgments and findings. omments.	e
pote	es anchorage of equentially adverse seing cabinets)?				Y⊠ N□ U□ N/A□	
2. Doe sign	es anchorage of equinificant degraded co	uipment in the anditions?	e area appear to	be free of	Y⊠ N□ U□ N/A□	
rac seis	sed on a visual insp eways and HVAC d smic conditions (e.g ditions of cable tray	ucting appea	r to be free of po f supports is ade	tentially adverse quate and fill	Y⊠ N□ U□ N/A□	
spa	es it appear that the tial interactions with I lighting)?				Y⊠ N□ U□ N/A□	

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 007</u>	Status: YX N U
Location: Bldg. AB Floor El. 93 Room, Area 1A116, 10	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)? Ladders are tied-off to the large pipe or structural steel. Also, there are ladder and hose laying on the floor. However these items doesn't pose a seismic concern; therefore acceptable. See photos.	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments Liquid was observed on the pedestal of pump E12C005B; however no ac See photo. (CR 2012-11309 initiated WR# 00285929)	tive leakage could be found.
Evaluated by: Kyong S. (Jason) Pak Jung S. On	Date: 10/3/2012
Tori Robinson Turc Lown Tori	10/3/2012

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Status: Y⊠ N□ U□

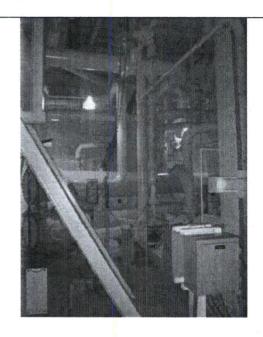
Area Walk-By Checklist (AWC) __AWC- 007

Location: Bldg. AB Floor El. 93 Room, Area¹ 1A116, 10

Photographs



Note: Ladder on the floor



Note: General view of the area

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Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) __AWC- 007

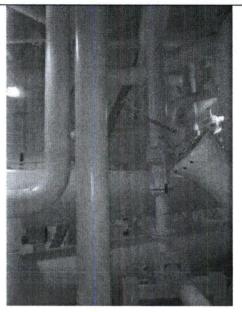
Location: Bldg. AB

Floor El. 93

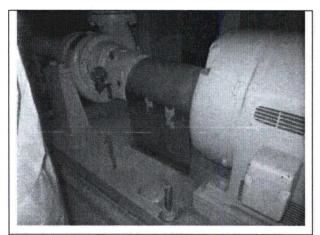
Room, Area¹ 1A116, 10



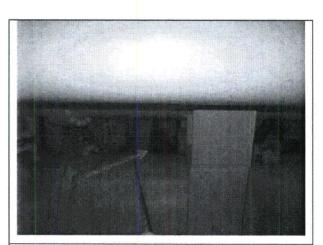
Note: Ladder in the area



Note: Ladder in the area



Note: Liquid on the pump/motor pedestal



Note: Hose on the floor

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Area Walk-By Checklist (AWC)AWC- 008	Status: Y⊠ N□ U□
Location: Bldg. <u>AB</u> Floor El. <u>93</u> Room, Area¹ <u>1/</u>	A120
SWEL Components: SWEL1- 043, 044	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walkspace below each of the following questions may be used to record the Additional space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for the space is provided the spac	ne results of judgments and findings.
Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without neces opening cabinets)?	
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? Anchorages are coated. 	Y⊠ N□ U□ N/A□
 Based on a visual inspection from the floor, do the cable/cond raceways and HVAC ducting appear to be free of potentially a seismic conditions (e.g., condition of supports is adequate and conditions of cable trays appear to be inside acceptable limits 	dverse I fill
4. Does it appear that the area is free of potentially adverse seis spatial interactions with other equipment in the area (e.g., ceili and lighting)?	

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

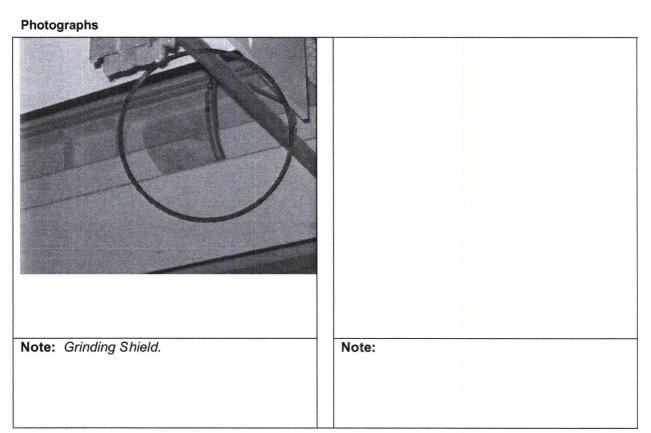
Area Walk-By Checklist (AWC) <u>AWC- 008</u>	Status: Y N N U
Location: Bldg. AB Floor El. 93 Room, Area ¹ 1A120	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments	
Welding/grinding Sheild in over head beam CR-GGN-2012-11123. Temp	orary scaffolding in area.
Evaluated by: Chase Wharton CyWA	Date: <u>9/27/2012</u>
Fred Hopkins / Red iz Hay by	9/27/2012

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Status: Y∑	7 IAIT	
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Area Walk-By Checklist (AWC) AWC- 008 Location: Bldg. AB Floor El. 93 Room, Area 1A120



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A Melle D Olesel	-!'-4 /ANA(O)	A14/0 000		St	atus: Y⊠ N⊟ U[
Area Walk-By Check			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
Location: Bldg. AB	Floor El.	103	_ Room, Area ¹ <u>1A121</u>	1, 07		
SWEL Components	SWEL1- 061					
Instructions for Comp	leting Checklis	t				
This checklist may be u space below each of the Additional space is prov	e following ques	tions may b	e used to record the re	sults of judgr	ments and findings.	
opening cabinet	rse seismic cond s)?	litions (if vis	ible without necessarily		N U N/A	
All anchorage is	in good condition	on. Panel is	welded to supports.			
Does anchorage significant degra			ppear to be free of	Y⊠	N□ U□ N/A□	
raceways and H seismic conditio conditions of cal	VAC ducting ap ns (e.g., condition to trays appear	pear to be f on of suppor to be inside	do the cable/conduit ree of potentially adver rts is adequate and fill e acceptable limits)? o be seismically restrai	rse	N□ U□ N/A□	
spatial interaction and lighting)? Overhead HVA	ons with other equivalent of the contract of t	uipment in s are adequ hard pipe,	ntially adverse seismic the area (e.g., ceiling ti nately supported. Ligh HVAC or supports in a the equipment.	iles ts in	N□ U□ N/A□	

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 009</u>	Status: Y X N U
Location: Bldg. AB Floor El. 103 Room, Area 1A121, 07	
 Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Fire water pipe seems to be adequately supported. Appropriate sheilding of fire sprinklers. 	Y⊠ N□ U□ N/A□
 Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Area is a combustible exclusion zone. Area is free of potential fire hazards. 	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
<u>Comments</u>	
None	
Evaluated by: Chase Wharon M WA	Date: 9/25/2012
Fred Hopkins func fa	9/25/2012
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	_		
Status:	VV	NII I	111 1
Status.		INI	U

Area Walk-By Checklist (AWC) __AWC- 009_

Location: Bldg.	ΔR	Floor El.	103	Room, Area ¹	14121 07
Location. Didg.	AD	I lool Li.	103	Noon, Alea-	IA121, UI

Photographs

Fiologiaphs Application of the second of th	
Note:	Note:

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Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) __AWC- 009

Note: Potential contact, no adverse seismic condition

Room, Area¹ 1A121, 07

Note: Potential contact, no adverse seismic condition

Note: Note:

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Area Walk-By Checklist (AWC)AWC- 010_	Status: Y⊠ N□ U□
Location: Bldg. <u>AB</u> Floor El. <u>119</u> Room, Area¹ <u>1A201, 07</u>	
SWEL Components: <u>SWEL1- 068, 069, 070, 071</u>	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other	s of judgments and findings.
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 anchorage of equipment in the area appear to be free of significant degraded conditions? Tube steel members supporting conduits running to the P11-F064 and P11-F065 shows surface corrosion. The corrosion was visually inspected and determined to be limited in extent and depth. Therefore it is judged to have negligible affects on the ability of the affected components. See photo.	
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□
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)? Clearance between tube steel member supporting tubing for level transmitter and the yoke of pump motor P11F067 (RWST XFER to CST) seems very close (~1/2" gap at top). See photo. Based on review of Stress Calculation No. 35, anchors near P11F067 valve/motor will prevent displacment (<1/8") during a seismic event.	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 010</u>	Status: Y N N U
Location: Bldg. AB Floor El. 119 Room, Area 1A201, 07	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments None	
Evaluated by: Kyong S. (Jason) Pak	Date: 9/25/2012
Tori Robinson July Columbon	9/25/2012

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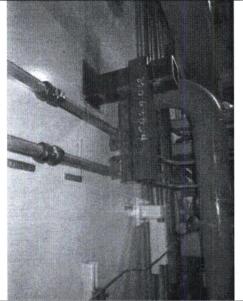
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Status: Y⊠ N□ U□

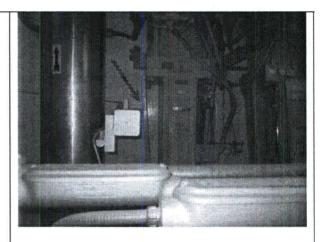
Area Walk-By Checklist (AWC) _ AWC- 010

Location: Bldg. AB Floor El. 119 Room, Area 1A201, 07

Photographs



Note: Surface corrosion on conduit support members



Note: Small gap between TS member and yoke of actuator (~1/2")

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Area Walk-By Checklist (AWC)AWC- 011	Status: Y⊠ N∐ U∐
Location: Bldg. AB Floor El. 119 Room, Area 1A204,08	
SWEL Components: SWEL1- 018	
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 co	f judgments and findings.
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□
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)?	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area V	Valk-By	Checklis	st (AWC)	AWC- 0	11_			St	atus: Y区 N U
Locatio	n: Bldg.	AB	Floor El.	119	Room	ı, Areaı	1A204,08		
5.	Does it a interaction	appear that ons that co	the area is fi uld cause flo	ree of pot oding or s	entially ad spray in the	verse sei e area?	smic	Υ⊠	N_ U_ N/A_
			t the area is fould cause a f			verse sei	smic	Y⊠	N U N/A
	interactio	ons associ equipmen	the area is frated with hou t, and tempor	sekeepin	g practices	s, storage	of	Y⊠	N_ U_ N/A_
8.	Have you adversel	u looked fo y affect the	or and found r e safety functi	no other s ions of the	eismic cor e equipme	nditions th	nat could area?	Y⊠	N□ U□
Comme	ents			······-	——————————————————————————————————————		·		·
	One light	t bulb is ou	t.						
Evaluat	ed by: <u><i>Ci</i></u>	hase Wha	ton (M	WA		· · · · · · · · · · · · · · · · · · ·		Date:	10/9/2012
	<u>Fr</u>	ed Hopkin	s Judi	a fa					10/9/2012

Attachment D

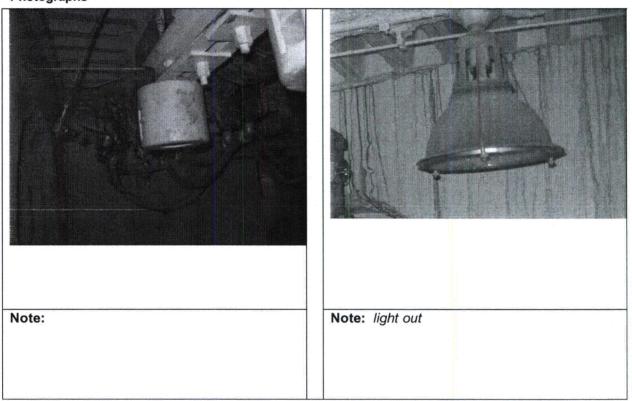
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Status:	$Y \boxtimes$	N	U

Area Walk-By Checklist (AWC) __AWC- 011

Location: Bldg. AB Floor El. 119 Room, Area 1A204,08

Photographs



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Area Walk-By Checklist (AWC)AWC- 012_	Status: Y⊠ N UU
Location: Bldg. AB Floor El. 119 Room, Area 1A205,08	
SWEL Components: <u>SWEL1- 032, 034, 036</u>	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one 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 co	f judgments and findings.
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□
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)?	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 012</u>	
Location: Bldg. AB Floor El. 119 Room, Area 1A205,08	
Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments Valve 1E12F130B has minor leakage. Wire spanning overhead. Minor o Pen#AEF7B and AEF6B does not require grout seal.	dammage to insulation.
Church	
Evaluated by: Chase Wharton W WA	Date: 10/4/2012
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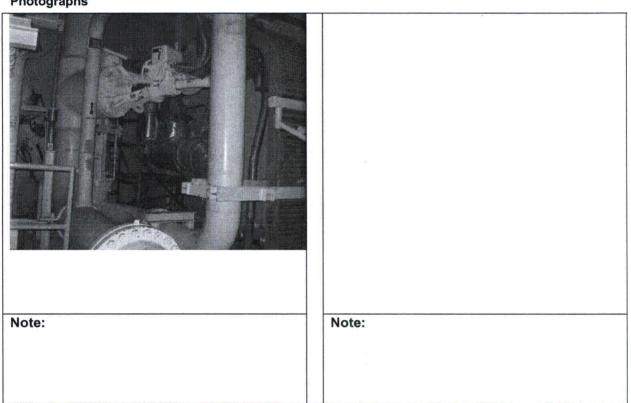
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Status:	$Y \boxtimes$	N	U

Area Walk-By Checklist (AWC) __AWC- 012

Location: Bldg. AB Floor El. 119 Room, Area 1A205,08

Photographs



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Area Walk-By Checklist (AWC) <u>AWC- 013</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. AB Floor El. 119 Room, Area 1A208, 07	
SWEL Components: SWEL1- 047, 076	
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 o Additional space is provided at the end of this checklist for documenting other co	f judgments and findings.
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□
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)? There are over 20 conduits routed from cable trays to the electrical boxes near the floor in this room. Only one conduit is not supported from the top unistrut before it enters to the cable tray, over 6'-6" of cantilever run. (CR 2012-11466) See photos.	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)? Multiple light fixtures in this room are hung with chain using S-hook. There are no sensitive equipment nearby, therefore it is judged to be acceptable.	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area	Walk-f	Зу	Checklist	(AWC)	AWC- 0	13		S	tatus: Y⊠ N□ U□
Locati	on: Bld	g.	AB	_ Floor El.	119		Room, Area ¹ 1A208, 07		
5.							ally adverse seismic	·Υ⊠	N U U N/A
6.				ne area is fr d cause a fi			ally adver s e seismic ?	Y⊠	N U N/A
7.	interac portab shieldi	tio le e ng)	ns associate equipment, a ?	ed with hous and tempor	sekeeping ary install	g pra	ally adverse seismic actices, storage of as (e.g., scaffolding, lead as eismic concern.	Y⊠	N U N/A
8.	advers Mason	ely ry i	affect the s block wall is	afety function	ons of the <i>n this ro</i> o	e equ	nic conditions that could uipment in the area? This wall is seismically	Y⊠	N U
Comm	ents			····					·
	None								
Evalua	ted by:	Ky	ong S. (Jas	on) Pak	faro	ag.	8. Oz	Date:	10/8/2012
		Tol	i Robinson	Fo	ri C	Ru	S. O.s.	-	10/8/2012

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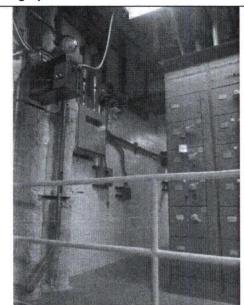
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Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) __AWC- 013

Location: Bldg. AB Floor El. 119 Room, Area 1A208, 07

Photographs



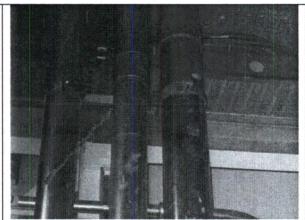
Note: General view of the area



Note: General view of the area, temporary scaffolding



Note: Conduits from cable tray



Note: Only conduit without unistrut support clamp at this location

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Area Walk-By Checklist (AWC)AWC- 014_	Status: Y⊠ N_ U_
Location: Bldg. AB Floor El. 119 Room, Area 1A215, 09	_
SWEL Components: SWEL1- 001	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near of space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other of the complete space is provided at the end of this checklist for documenting other of the complete space is provided at the end of this checklist for documenting other of the complete space is provided at the end of this checklist for documenting other of the complete space.	of judgments and findings.
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□
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)?	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 014</u>	Status: YX N U
Location: Bldg. AB Floor El. 119 Room, Area 1A215, 09	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)? Two temporary carts inside containment are secured using clamps on the wheel or tied-off to the stair structure. These items doesn't pose a seismic concern. See photos.	Y N U N/A
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments Water from condensation found on top of the insulation of air supply line v	valve. See photo.
Evaluated by: Kyong S. (Jason) Pak	Date: 9/25/2012
Tori Robinson Hell Columbon	9/25/2012

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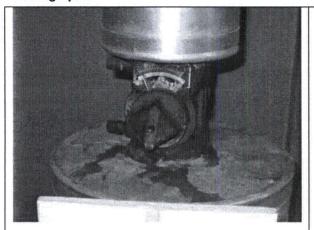
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Status:	$Y \boxtimes$	N	U
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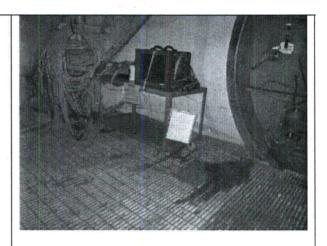
Area Walk-By Checklist (AWC) __AWC- 014

Location: Bldg. AB Floor El. 119 Room, Area¹ 1A215, 09

Photographs



Note: Air supply line, 1P71-F546, water from condensation



Note: Temporary Power Supplies, sensor cable (I&C EPU WO # 242339-02), wheels locked with clamps



Note: Temporary Power Supplies, sensor cable (I&C EPU WO # 242339-02), cart tied off to the stair structure

Note:

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Area Walk-By Checklist (AWC) <u>AWC- 015</u>	Status: Y⊠ N∏ U∏
Location: Bldg. <u>AB</u> Floor El. <u>119</u> Room, Area¹ <u>1A219, 09</u>	
SWEL Components: SWEL1- 088	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one 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 cor	judgments and findings.
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□
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? Surface corrosion has been observed on pipe. The corrosion was visually inspected and determined to be limited in extent and depth. Therefore, it is judged to have negligible affects on the ability of the affected components. See photos. 	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)?	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)? Multiple light fixtures in this room are hung with chain using S-hook. There are no sensitive equipment nearby, therefore it is judged to be acceptable.	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 015</u>	Status: Y N N U
Location: Bldg. AB Floor El. 119 Room, Area 1A219, 09	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	YM UU
Comments None	
Evaluated by: Kyong S. (Jason) Pak	Date: 10/8/2012
Tori Robinson Joli Robinson	10/8/2012
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Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) __AWC- 015

Location: Bldg. AB Floor El. 119 Room, Area 1A219, 09

Photographs



Note: General view of the area



Note: General view of the area

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Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) _ AWC- 015

Location: Bldg. AB Floor El. 119 Room, Area 1A219, 09



Note: Surface corrosion on pipe



Note: Surface corrosion on pipe

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Area Walk-By Checklist (AWC) <u>AWC- 016</u>	Status: Y⊠ N□ U□
Location: Bldg. AB Floor El. 119 Room, Area 1A220, 09	
SWEL Components: SWEL1- 026	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one 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 contains.	judgments and findings.
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 anchorage of equipment in the area appear to be free of significant degraded conditions? Surface corrosion has been observed on bolts and steel members. The corrosion was visually inspected and determined to be limited in extent and depth. Therefore, it is judged to have negligible affects on the ability of the affected components. See photos.	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)?	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC)AWC- 016	Status: Y⊠ N□ U□
Location: Bldg. AB Floor El. 119 Room, Area 1A220, 09	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□ .
Comments	
Missing light bulb	
Evaluated by: Kyong S. (Jason) Pak Jung S. Un	Date: 9/28/2012
Tori Robinson Heri Colunson	9/28/2012

Attachment D

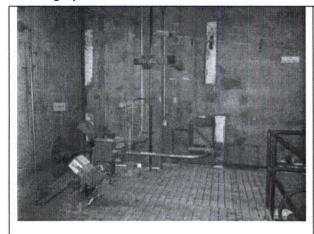
Page 55 of 167

Status: Y⊠ N□ U□

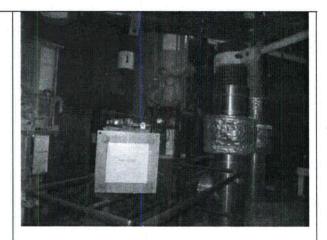
Area Walk-By Checklist (AWC) __AWC- 016

Location: Bldg. AB Floor El. 119 Room, Area 1A220, 09

Photographs



Note: General view of the area



Note: General view of the area

Nev. o
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Area Walk-By Checklist (AWC)AWC- 017	Status: Y N N U
Location: Bldg. AB Floor El. 119 Room, Area 1A221, 10	
SWEL Components: SWEL1- 003	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one 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 contains.	judgments and findings.
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 anchorage of equipment in the area appear to be free of significant degraded conditions?	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)?	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)? There are many light fixtures in this room nearby MCCs and LCCs. However, these light fixtures are not directly located over any safety related equipment and they are all well supported; therefore, doesn't pose a seismic concern. There are potential of fluorescent light bulbs fallout from fixture. However, falling light bulb doesn't pose a seismic concern to MCCs and LCCs nearby; therefore acceptable.	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 017</u>	Status: Y⊠ N□ U□
Location: Bldg. AB Floor El. 119 Room, Area 1A221, 10	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ 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?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments	
None	
Evaluated by: Kyong S. (Jason) Pak	Date: 9/28/2012
Tori Robinson Au Hunson	9/28/2012

Attachment D

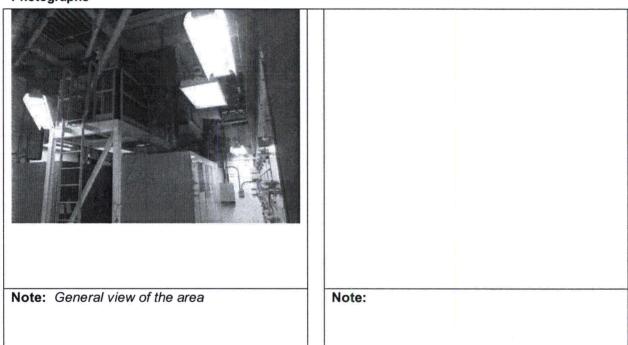
Page 58 of 167

Status:	$Y \boxtimes$	$N\square$	U
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Area Walk-By Checklist (AWC) __AWC- 017

Location: Bldg. AB Floor El. 119 Room, Area 1A221, 10

Photographs



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Area Walk-By Checklist (AWC)AWC- 018_	Status: Y⊠ N_ U_
Location: Bldg. AB Floor El. 139 Room, Area 1A304, 07	
SWEL Components: SWEL1- 015	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near of space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other of the complete space.	of judgments and findings.
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 anchorage of equipment in the area appear to be free of significant degraded conditions? Surface corrosion has been observed on many items (pipe, pipe support members, baseplate, hardware, etc.). The corrosion was visually inspected and determined to be limited in extent and depth. Therefore, it is judged to have negligible affects on the ability of the affected components. See photos.	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)?	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 018</u>	Status: YX N U
Location: Bldg. AB Floor El. 139 Room, Area 1A304, 07	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)? Housekeeping concern (see photos); however there are no sensitive equipments nearby such that it doesn't pose a seismic concern. (CR 2012-11467)	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments	
None .	
Evaluated by: Kyong S. (Jason) Pak	Date: <u>10/8/2012</u>
Evaluated by: Kyong S. (Jason) Pak Jung & Gr	10/8/2012

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Status: Y⊠ N□ U□

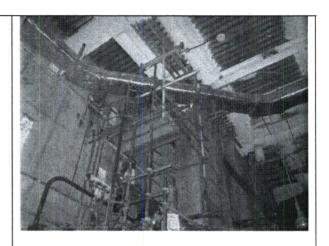
Area Walk-By Checklist (AWC) __AWC- 018

Location: Bldg. AB Floor El. 139 Room, Area 1A304, 07

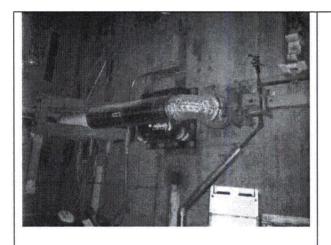
Photographs



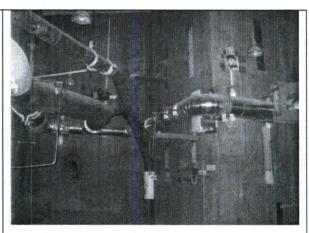
Note: General view of the area



Note: General view of the area



Note: General view of the area

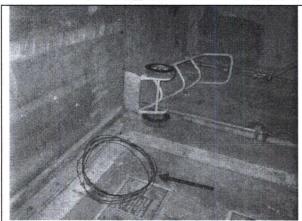


Note: General view of the area

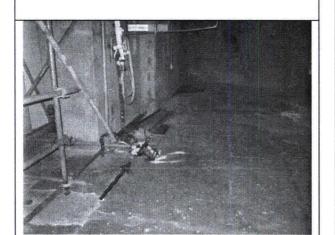
Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) __AWC- 018

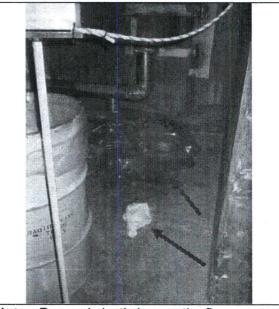
Location: Bldg. AB Floor El. 139 Room, Area 1A304, 07



Note: Cart and wire on the floor



Note: Harness on the floor



Note: Rag and plastic bag on the floor



Note: Cart on the floor

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Area Wa	alk-By	Checklist (AWC)/	AWC- 019	<u>) </u>		Status: YU	N⊠ U∐
Location:	Bldg.	AB	Floor El.	<u>139</u>	_ Room, Area¹	1A305, 07 and	1 08	
SWEL C	ompo	nents: <u>SW</u>	EL1- 010,	025, 027,	037, 038, 073			
This chec space be	klist ma	h of the follo	document wing quest	the result		I the results of	or more SWEL ite judgments and fin nments.	
pc	otentially				appear to be free sible without nec		Y NUUN	/A□
		horage of ed t degraded o		the area a	appear to be free	of	Y N U N	/A□
ra se	ceways	and HVAC onditions (e.	ducting app g., conditio	pear to be not of support	, do the cable/co free of potentially irts is adequate a e acceptable limi	adverse Ind fill	Y□ N□ U□ N	//A□
sp		teractions wi			ntially adverse se the area (e.g., co		Y NUUN	//A□ .

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

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	Attachincht	L
	Page 64 of 16	,
Status:	Y□ N⊠ U□	

Area Walk-By Checklist ((AWC) <u>AWC- 019</u>	_	
Location: Bldg. AB	Floor El. <u>139</u>	Room, Area ¹ 1A305, 07 a	and 08
Does it appear that the interactions that could	e area is free of potent I cause flooding or spra		Y
Does it appear that the interactions that could	e area is free of potent I cause a fire in the are		Y N U N/A
	ed with housekeeping p		Y N U N/A
	and found no other seis afety functions of the e	smic conditions that could equipment in the area?	Y_ N_ U_
<u>Comments</u>			
Evaluated by:			_ Date:

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Area Walk-By Ch	ecklist (AWC) <u>AWC- 019</u>	-	Status: Y∐ N⊠ U∐
Location: Bldg. AB	Floor El. <u>139</u>	Room, Area	1A305, 07 and 08
			*
Photographs			
			·
Note:		Note:	
Note.		Note.	

Attachment D

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Area Walk-By Checklist (AWC)AW	/C- 019	Status: Y☐ N⊠ U☐
Location: Bldg. <u>AB</u> Floor El. <u>13</u>	Room, Area	1A305, 07 and 08
Note:	Note:	

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Area Walk-By Checklist (AWC) AWC- 020	Status: Y⊠ N⊡ U⊡
Location: Bldg. AB Floor El. 139 Room, Area: 1A320, 08	
SWEL Components: SWEL1- 004	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one 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 contains the contains th	f judgments and findings.
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 anchorage of equipment in the area appear to be free of significant degraded conditions?	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)?	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)? There are many light fixtures in this room nearby MCCs and LCCs. However, these light fixtures are not directly located over any safety related equipment and they are all well supported; therefore, doesn't pose a seismic concern. There are potential of fluorescent light bulbs fallout from fixture. However, falling light bulb doesn't pose a seismic concern to MCCs and LCCs nearby; therefore acceptable.	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 020</u>	Status: Y N N U
Location: Bldg. AB Floor El. 139 Room, Area 1A320, 08	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ 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?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments None	
Evaluated by: Kyong S. (Jason) Pak	Date: 9/27/2012
Tori Robinson Jole Molenson	9/27/2012

Attachment D

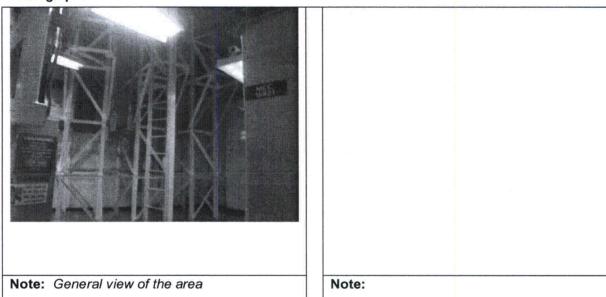
Page 69 of 167

Status:	$Y \boxtimes$	N	U
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Area Walk-By Checklist (AWC) __AWC- 020

Location: Bldg. AB Floor El. 139 Room, Area 1A320, 08

Photographs



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Area Walk	-By Checklist	(AWC) <u>AV</u>	NC- 021			Status: `	Y⊠ N□ U□
Location: B	ldg. <u>AB</u>	_ Floor El. <u>1</u>	66	Room, Area ¹	1A405, 08		
SWEL Cor	nponents: <u>SW</u>	EL1- 021					
This checkli space below	s for Completing st may be used to each of the follo pace is provided	o document the wing question	ns may be	used to record	the results of	judgments a	
pote	s anchorage of e ntially adverse se ning cabinets)?					Y⊠ N□ U	J□ N/A□
	s anchorage of e ficant degraded		ne area app	pear to be free	of	Y⊠ N□ U	J□ N/A□
race seisi	ed on a visual ins ways and HVAC mic conditions (e litions of cable tr	ducting appe	ar to be fre of supports	e of potentially is adequate a	y adverse and fill	Y⊠ N□ U	J□ N/A□
spat	s it appear that th ial interactions w lighting)?	ne area is free ith other equip	e of potentia pment in th	ally adverse so e area (e.g., c	eismic eiling tiles	Y⊠ N□ U	J□ N/A□

 $^{^{1}}$ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 021</u>	Status: Y N U
Location: Bldg. AB Floor El. 166 Room, Area 1A405, 08	
Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)? Ladder was laying on the floor unsecured, and tool box was on the floor secured to the platform support structure with wire rope but wasn't snug (CR 2012-11084 initiated WR# 00285020). See photo. However, there are no sensitive equipments nearby that could be	Y⊠ N□ U□ N/A□
 affected by these temporary items during seimic event; therefore acceptable. 8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? 	Y⊠ N□ U□
	·
Comments	
Light bulb was missing on (3) light fixtures in this room (CR 2012-11084 in	nitiated WR# 00285020).
Evaluated by: Kyong S. (Jason) Pak	Date: 9/26/2012
Evaluated by: Kyong S. (Jason) Pak July 8. (Ja	9/26/2012

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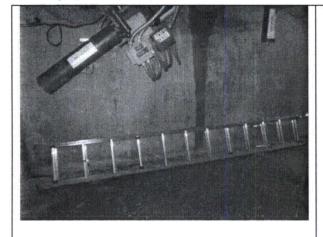
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Status:	$Y \boxtimes$	N	U
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Area Walk-By Checklist (AWC) __AWC- 021_

Location: Bldg. AB Floor El. 166 Room, Area¹ 1A405, 08

Photographs



Note: Ladder on the floor

Note:

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Area Walk-By Checklist (AWC) <u>AWC- 022</u>	Status: Y⊠ N∐ U∐
Location: Bldg. AB Floor El. 166 Room, Area¹ 1A407, 08	
SWEL Components: <u>SWEL1- 023</u>	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one 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 con	judgments and findings.
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□
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)?	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area V	Valk-By	Checkli	st (AWC) _	AWC- 0	22		S	Status: Y⊠ N□	U
Locatio	n: Bldg.	AB	Floor E	l. <u>166</u>	Room	, Area ¹ <u>1A407,</u>	08		
			t the area is ould cause fl			erse seismic area?	Υ⊠	N□ U□ N/A□	
6.	Does it a	appear tha	t the area is ould cause a	free of pot fire in the	tentially adv area?	verse seismic	Y⊠] N	
	interaction	ons assoc equipmer	iated with ho	ousekeepin	g practices	rerse seismic , storage of ., scaffolding, le] N	
	adversel Surface visually i Therefor	y affect th corrosion nspected e, it is jud	e safety fun- found on pip and determi	ctions of the pe (P41 systemed to be li negligible a	e equipmer stem). The imited in ex	ditions that coul nt in the area? corrosion was tent and depth. he ability of the	d Y⊠] N	
Comm	ents None				,				
Evalua	ted by: <u>K</u>	yong S. (J	lason) Pak	fuga	ng	R. 05	Date	e: <u>9/27/2012</u>	
	<u></u>	ori Robins	on S	Fori C	Poli	nson		9/27/2012	

Attachment D

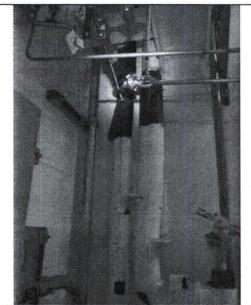
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Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) __AWC- 022

Location: Bldg. AB Floor El. 166 Room, Area 1A407, 08

Photographs



Note: Surface oxidation on pipe



Note: Surface oxidation on pipe

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Area W	alk-By Checklist	(AWC) A	WC- 023			Status:	Y⊠ N□ U□
	: Bldg. <u>AB</u>	_ Floor El.		Room, Area ¹	1A417, 08		
SWEL (Components: <u>SW</u>	/EL1- 066					
Instructi	ions for Completin	g Checklist				•	
space be	cklist may be used to elow each of the foll al space is provided	owing questi	ons may be	used to record	the results of	judgments	
р	Does anchorage of eotentially adverse spening cabinets)?					Y⊠ N□	U N/A
	Ooes anchorage of e ignificant degraded		the area ap	pear to be free	of	Y⊠ N□	U N/A
ra S	Based on a visual insaceways and HVAC eismic conditions (eonditions of cable tr	ducting app	ear to be fre	e of potentially is is adequate a	adverse and fill	Y⊠ N□	U□ N/A□
s	Does it appear that t patial interactions w and lighting)?					Y⊠ N□	U <u></u> N/A

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC)AWC- 023_	Status: Y N N U
Location: Bldg. AB Floor El. 166 Room, Area 1A417, 08	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments None	
Evaluated by: Kyong S. (Jason) Pak	Date: 0/27/2012
Evaluated by: Kyong S. (Jason) Pak Tori Robinson Tori Robinson	Date: 9/27/2012 9/27/2012

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Attachment D

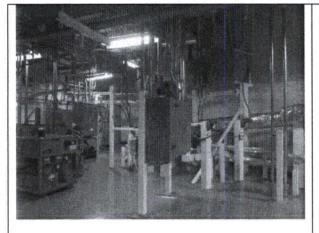
Page 78 of 167

Status:	$Y \boxtimes$	$N\square$	U
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Area Walk-By Checklist (AWC) AWC- 023

Location: Bldg. AB Floor El. 166 Room, Area 1A417, 08

Photographs



Note: General view of the area

Note:

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Area Walk-B	y Checklist (AWC) <u>AV</u>	VC- 024	_		Status:	Y⊠ N□ U□		
Location: Bldg	g. <i>CB</i>	Floor El. 1	11	Room, Area ¹	OC202,CB				
SWEL Comp	onents: <u>SW</u>	EL1- 005, 05	52, 054, 0	55, 089					
This checklist space below e	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.								
potentia				pear to be free ole without nec		Y⊠ N□	U□ N/A□		
	inchorage of ed ant degraded o		ве агеа ар	pear to be free	of	Y⊠ N□	U N/A		
racewa seismid	ays and HVAC conditions (e.	ducting appea g., condition o	ar to be fre	do the cable/colee of potentially s is adequate a acceptable limi	adverse Ind fill	Y⊠ N□	U N/A		
	interactions wi			ially adverse se ne area (e.g., co		Y⊠ N□	U□ N/A□		

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area W	Valk-B	y Check	list (AWC	>)	AWC-	- 024	Status: YM N U
ocation	n: Bldg	. <u>CB</u>	Floo	or El.	111	Room, Area ¹ OC202, CB	
						potentially adverse seismic or spray in the area?	Y⊠ N□ U□ N/A□
6. [i	Does it nteract	appear th ions that c	at the area could caus	a is fr s e a fi	ee of p re in th	potentially adverse seismic he area?	Y⊠ N□ U□ N/A□
i:	nteracti	ons asso	ciated with	hou:	sekeer	potentially adverse seismic ping practices, storage of stallations (e.g., scaffolding, lead	Y⊠ N□ U□ N/A□
						er seismic conditions that could the equipment in the area?	Y⊠ N□ U□
omme	nts						
L	ights o	ut. ladder	in area is	tied o	off.		
€valuate	ed by: <u>C</u>	Chase Wh	arton C	Li	برار		Date: <u>10/10/2012</u>
	E	red Hopk	ins /	ud	-u/4	Tople	10/10/2012

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Status:	$Y \boxtimes$	$N\square$	U

Area Walk-By Checklist (AWC) _ AWC- 024

Location: Bldg. <u>CB</u> Floor El. <u>111</u> Room, Area¹ <u>OC202,CB</u>

Photographs

Photographs O O O O O O O O O O O O O O O O O O O	
Note:	Note:

Rev. (

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Area \	Walk-By Checklist (A	AWC) <u>AWC- 02</u>	5	Status: Y⊠ N⊡ U⊡					
Location	on: Bldg. <u>CB</u>	Floor El. <u>111</u>	Room, Area ¹ OC207, CB						
SWEL	. Components: <u>SWE</u>	L1- 050, 053							
This ch	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 eq potentially adverse sei opening cabinets)?		appear to be free of isible without necessarily	Y⊠ N□ U□ N/A□					
2.	Does anchorage of eq significant degraded co		appear to be free of	Y⊠ N□ U□ N/A□					
3.		ducting appear to be g., condition of suppo	free of potentially adverse orts is adequate and fill	Y⊠ N□ U□ N/A□					
4.	and lighting)?	th other equipment in the beacuse of the rela	the area (e.g., ceiling tiles	Y⊠ N□ U□ N/A□					

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 025</u>	Status: Y⊠ N□ U□
Location: Bldg. <u>CB</u> Floor El. <u>111</u> Room, Area¹ <u>OC207, CB</u>	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
<u>Comments</u> None	
Evaluated by: Chase Wharton Ch	Date: 10/9/2012
Fred Hopkins July & Joyle	10/9/2012

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Attachment D

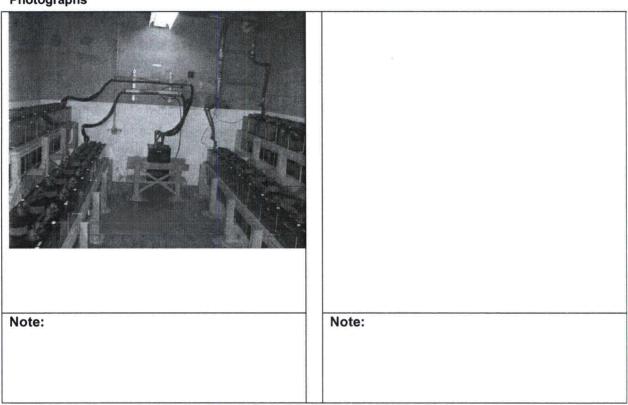
Page 84 of 167

Status:	$Y \boxtimes$	N	U

Area Walk-By Checklist (AWC) __AWC- 025

Location: Bldg. <u>CB</u> Floor El. <u>111</u> Room, Area¹ <u>OC207, CB</u>

Photographs



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Area Walk-By Checklist (AWC) <u>AWC- 026</u>	Status: Y⊠ N⊡ U⊡ -
Location: Bldg. <u>CB</u> Floor El. <u>111</u>	Room, Area¹ OC208, CB
SWEL Components: SWEL1- 087	
	of the Area Walk-By near one or more SWEL items. The used to record the results of judgments and findings. list for documenting other comments.
Does anchorage of equipment in the area appotentially adverse seismic conditions (if visi opening cabinets)?	
Does anchorage of equipment in the area apsignificant degraded conditions?	pear to be free of Y⊠ N□ U□ N/A□
 Based on a visual inspection from the floor, or raceways and HVAC ducting appear to be fr seismic conditions (e.g., condition of support conditions of cable trays appear to be inside 	ee of potentially adverse s is adequate and fill
4. Does it appear that the area is free of potent spatial interactions with other equipment in to and lighting)?	

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC)AWC- 026	Status: YX N U
Location: Bldg. CB Floor El. 111 Room, Area ¹ OC208, CB	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ Ü□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments	
Comments	
None .	
Evaluated by: Chase Wharton Cul	Date: <u>10/10/2012</u>
Fred Hopkins Judot Hop	10/10/2012

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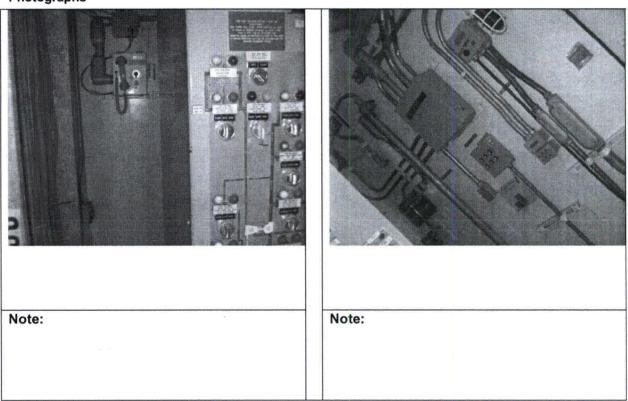
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Status:	YX	N	uП
otatus.		1.4	

Area Walk-By Checklist (AWC) __AWC- 026_

Location: Bldg. <u>CB</u> Floor El. <u>111</u> Room, Area¹ <u>OC208, CB</u>

Photographs



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Area \	Walk-By Checklis	st (AWC) <u>AW</u>	/C- 027	Si	tatus: Y⊠ N□ U□				
Location	on: Bldg. <u>CB</u>	Floor El. <u>13</u>	Room, Area	OC302, CB					
SWEL	. Components: <u>S</u>	WEL1- 045, 04	6						
This ch	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.		seismic conditio	e area appear to be frens (if visible without ne		N□ U□ N/A□				
2.	Does anchorage of significant degrade		e area appear to be fre	e of Y⊠	N□ U□ N/A□				
3.	raceways and HVA seismic conditions	C ducting appea (e.g., condition o	he floor, do the cable/car to be free of potential of supports is adequate be inside acceptable lin	lly adverse and fill	N□ U□ N/A□				
4.	spatial interactions and lighting)?	with other equip es <i>in this room a</i>	of potentially adverse s ment in the area (e.g., re hung with chain using be acceptable.	ceiling tiles	N ☐ U ☐ N/A ☐				

 $^{^{\}scriptscriptstyle 1}$ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 027</u>	Status: YX N U
Location: Bldg. CB Floor El. 133 Room, Area OC302, CB	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Masonry block walls are observed in this room. These walls are seismically qualified per calculation C-T457.1.	Y⊠ N□ U□
Comments Water on the floor are observed during walkdown, however "Wet Floor" si (see photo). Therefore, no action taken related to this item.	igns were already in place
Evaluated by: Kyong S. (Jason) Pak Tori Robinson Tori Robinson	Date: 10/9/2012
Tori Robinson Avi Robenson	10/9/2012

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Status: Y⊠ N□ U□

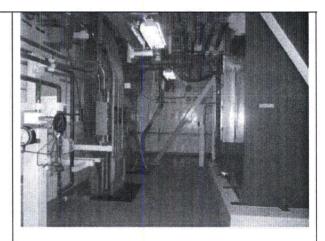
Area Walk-By Checklist (AWC) __AWC- 027_

Location: Bldg. <u>CB</u> Floor El. <u>133</u> Room, Area¹ <u>OC302, CB</u>

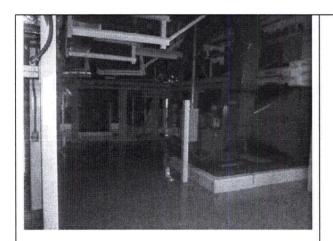
Photographs



Note: General view of the area



Note: General view of the area



Note: General view of the area



Note: Water on the floor

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Area Walk-By Checklist (AWC)AWC- 028_	Status: Y⊠ N_ U_
Location: Bldg. <u>CB</u> Floor El. <u>166</u> Room, Area¹ <u>OC503, CB</u>	
SWEL Components: <u>SWEL1- 086</u>	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one 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 con	judgments and findings.
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□
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)?	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC)AWC- 028_	Status: Y⊠ N∐ U∐
Location: Bidg. CB Floor El. 166 Room, Area OC503, CB	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
There are working chairs/tables/stands around this room; signs indicated that these items are qualified under procedure 01-S-07-43 and these items are not to be left near safety related equipment except for short breaks.	
Fire extinguishers are supported to the wall using open hook. One of the bracket holding fire extinguisher is loose from the wall. However, this condition doesn't pose a seismic concern. (CR 2012-12041 initiated WR# 00289368) See photos.	
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments	
None	•
Evaluated by: Kyong S. (Jason) Pak Juong 8. Cy	Date: <u>10/11/2012</u>
Tori Robinson Feri Robenson	10/11/2012

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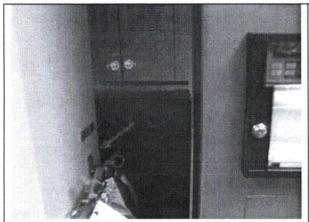
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Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) __AWC- 028

Location: Bldg. <u>CB</u> Floor El. <u>166</u> Room, Area¹ <u>OC503, CB</u>

Photographs



Note: Loose bracket on the wall supporting fire extinguisher



Note: Loose bracket on the wall supporting fire extinguisher

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	Status: Y⊠ N⊟ U⊟
Area Walk-By Checklist (AWC) <u>AWC- 029</u>	
Location: Bldg. CB Floor El. 166 Room, Area¹ OC504, C	SB
SWEL Components: <u>SWEL1- 078, 081, 084, 085</u>	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near 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 other	ts of judgments and findings.
 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□
One of the screw (total 4) in a plate on the back of E31AT5 (Oscilator) inside the panel H13P642 is loose. See photo. CR 2012-11254 (initiated WR #00285762) has been written to tighten the screw in place. These screws are a part of the component mounting. These screws are required to transfer seismic loads to the panel anchorage.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)? In general, cables inside panel are wrapped around with plastic tiewrap, which is attached to adhesive sticky bracket. One of the sticky bracket holding cable inside the panel H13P642 fell off from the panel wall. However there are other supports nearby on both sides such the cable is sufficiently supprted. Therefore, this condition doesn't pose a seismic concern.	at
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/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area '	Wa	ik-By	Checkli	st (AWC) _	AWC-	029	_			S	tatus:	YM NU (ا ـــار
Locati	on:	Bldg.	СВ	Floor E	l. <u>166</u>		Room	Area	OC504, CB	<u> </u>			
5.				t the area is ould cause fl					eismic	Υ⊠	N	U N/A	
6.				t the area is ould cause a				erse se	eismic	Y⊠	N	U[N/A[
7.	inte poi shi Th ind and	eraction rtable (elding) ere are licated of these	ns associ equipmen)? e working that thes	t the area is ated with ho t, and tempo chairs/tables e items are o all not be le	usekeep orary ins s/stands qualified	oing pr tallation aroun under	actices, ons (e.g. ad this re proced	storag , scaffo com; signer	e of olding, lead gns S-07-43	Y⊠	N 🗌	U[N/A[
8.				or and found e safety fund						Y⊠	N	∪□	
Comm	ent	<u></u>											
				rician) open gs (#38230)	•			of the p	oanels H13F	P618, H	13P69	94, etc.	
Evalua	ted	bу: <u>Ку</u>	ong S. (J	ason) Pak	Ke	ny	s.	0=	>	_ Date:	10/2	/2012	
		<u>To</u>	ri Robins	on J	ori(R	be	nso	<u>^</u>	-	10/2	/2012	

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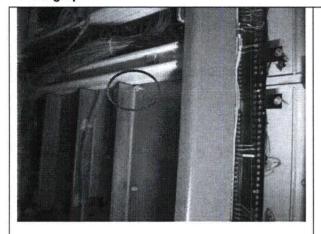
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Status: Y⊠ N□ U□

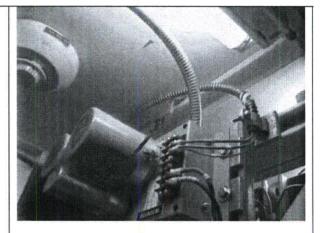
Area Walk-By Checklist (AWC) __AWC- 029

Location: Bldg. <u>CB</u> Floor El. <u>166</u> Room, Area¹ <u>OC504, CB</u>

Photographs



Note: Loose bolt supporting E31AT5 (Isolator) inside the panel 1H13P642



Note: Loose/open tie-wrap (not supporting any cable)

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Area V	Valk-By	Checklist ((AWC)	AWC- 030	_		Status: `	Y⊠ N□ U□
Locatio	n: Bldg.	СВ	_ Floor El.	189	Room, Area ¹ (OC703, CB		
SWEL	Compo	nents: <u>SW</u>	EL1- 079,	080, 082, 0	83,091			
This ch	ecklist ma	ch of the follo	o document wing quest	the results ions may be	of the Area Walk used to record list for documen	the results of j	udgments a	VEL items. The and findings.
	potentiall				pear to be free oble without nece		Y⊠ N□ L	J□ N/A□
		chorage of e		the area ap	pear to be free o	of `	Y⊠ N□ U	J□ N/A□
	raceways seismic o	s and HVAC conditions (e.	ducting app g., conditio	pear to be fre n of support	do the cable/condee of potentially is adequate an acceptable limits	adverse nd fill	Y⊠ N□ U	J□ N/A□
	spatial in and lighti Multiple I However	teractions wi ng)? ight fixtures i , these light i	th other equi in this room fixtures are	uipment in th are hung w not directly	ally adverse seine area (e.g., ceinith chain using Solocated over any is judged to be a	iling tiles S-hook. v safety	Y⊠ N□ l	J□ N/A□

 $^{^{1}}$ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area '	Wall	k-By	Checkli	ist (AWC)	AWC-	030			S	tatus:	YM NU UU
Location	on: E	Bldg.	CB	Floor El.	189		Room, Area	OC703, CB			
5.				at the area is frould cause floo					Y⊠	NΠ	U[N/A[
6.				nt the area is frould cause a fi				ei smic	Y⊠	N□	U[] N/A[]
7.	interport shie The item to be	ractionable of able of are	ns associ equipment)? e working e qualified near safe	at the area is friated with house it, and tempora chairs/tables I under proced ety related equi all items were	sekeepi ary inst in this ro ure 01- ipment	ing pra allation room; s ·S-07-4 except	ctices, storages (e.g., scaffings indicates) and these short breaks	ge of olding, lead d that these itmes are not s. At the	Y⊠	N.	U
8.	seis Hav	<i>mic c</i> e you	oncern. Llooked f	es on the floor, or and found n e safety function	o other	seismi	c conditions	that could	Υ⊠	NΠ	U[]
Comm	ents Non	•					·		,		
Evalua	ted b	ру: <u>Кұ</u>	ong S. (J	lason) Pak	her	ng	8. O,	4	Date:	10/9	/2012
		<u>To</u>	ri Robins	on Fu	il	Po	lvenso	` <u>`</u>		10/9	/2012

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Status: Y⊠ N□ U□

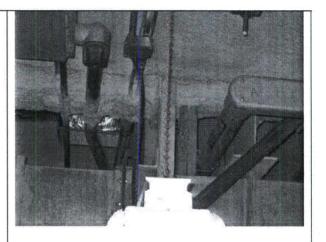
Area Walk-By Checklist (AWC) AWC- 030

Location: Bldg. <u>CB</u> Floor El. <u>189</u> Room, Area¹ <u>OC703, CB</u>

Photographs



Note: One of panel in this room.



Note: Light fixture hung with chain using Shook.

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Area Walk-By Checklist (AWC)AWC- 031	Status: Y☐ N⊠ U☐
Location: Bldg. CTMT Floor El. 135 Room, Area¹ 1A112, CTMT	
SWEL Components: <u>SWEL1- 009, 042, 067</u>	· · · · · · · · · · · · · · · · · · ·
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one space below each of the following questions may be used to record the results of j Additional space is provided at the end of this checklist for documenting other complete.	udgments and findings.
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_
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)?	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)?	Y

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

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Area Walk-By Checklist (AWC)AWC- 031	Status: Y☐ N⊠ U☐
Location: Bldg. CTMT Floor El. 135 Room, Area 1A112, CTM	Τ
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y_ N_ U_ N/A_
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y N U N/A
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y_ N_ U_
Comments	
Evaluated by:	Date:

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Area Walk-By Checklist (AWC)AWC- 031_	_	Status: Y☐ N⊠ U☐
Location: Bldg. CTMT Floor El. 135	Room, Area ¹ 1A112, CTMT	•
Photographs		
Note:	Note:	

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Area Walk-By Checklist	+ (AWC) - AWC - 031			Status: Y	$N \boxtimes U \square$
· · · · · · · · · · · · · · · · · · ·					
Location: Bldg. CTMT	Floor El. <u>135</u>	Room, Are	a¹ <u>1A112, CTMT</u>		
Note:		Note:			

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Area Walk-By Checklist (A	WC) <u>AWC- 032</u>	-	Status: Y⊠ N∐ U∐			
Location: Bldg. CTMT	Floor El. <u>135</u>	Room, Area ¹ 1A311, CTM1	•			
SWEL Components: SWE	L1- 014, 029, 065, 0	75				
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.						
Does anchorage of equipotentially adverse seis opening cabinets)?			Y⊠ N□ U□ N/A□			
Does anchorage of equivalent degraded considerations		pear to be free of	Y⊠ N□ U□ N/A□			
Based on a visual inspraceways and HVAC d seismic conditions (e.g conditions of cable tray	ucting appear to be fre ., condition of supports	ee of potentially adverse s is adequate and fill	Y⊠ N□ U□ N/A□			
4. Does it appear that the spatial interactions with and lighting)?		ally adverse seismic ne area (e.g., ceiling tiles	Y⊠ N□ U□ N/A□ .			

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC)AWC- 032	Status: Y⊠ N∐ U∐
Location: Bldg. CTMT Floor El. 135 Room, Area 1A311, CTM7	
Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments Bent support plate for M51SVF502B. Temporary cable with appropriate tag hose at AZ-285 area. CR-GGN-2012-11122	gs in area. temporary pipe/
Evaluated by: Chase Wharton W	Date: <u>9/27/2012</u> 9/27/2012
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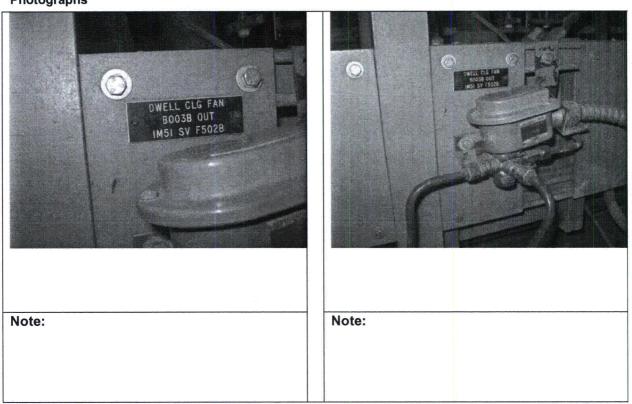
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Status: Y⊠ N□ U[

Area Walk-By Checklist (AWC) AWC- 032

Location: Bldg. <u>CTMT</u> Floor El. <u>135</u> Room, Area¹ <u>1A311, CTMT</u>

Photographs



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		Page 107
	Status: Y⊠	N U
Area Walk-By Checklist (AWC)AWC- 033		
Location: Bldg. <u>CTMT</u> Floor El. <u>135</u> Room, Area¹ <u>1A313, CTMT</u>		
SWEL Components: <u>SWEL1- 058, 060, 074</u>		
Instructions for Completing Checklist		
This checklist may be used to document the results of the Area Walk-By near one space below each of the following questions may be used to record the results of j Additional space is provided at the end of this checklist for documenting other companies.	judgments and fin	
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	I/A
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N	I/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)? 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)?

Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area V	Valk-By	y Checklis	t (AWC) <u>A</u>	WC- 033	_	S	Status: Y N N U
Locatio	n: Bldg	. CTMT	Floor El.	135	Room, Area ¹ 1A313	3. CTMT	
			the area is free uld cause flood		ially adverse seismic ly in the area?	Y⊠	N
6.			the area is free		ially adverse seismic a?	Y⊠	N_ U_ N/A_
	interacti	ons associa equipment	ited with house	keeping pi	ially adverse seismic ractices, storage of ons (e.g., scaffolding,		N U U N/A
	pose se		rn since there		ver this condition doe sitive equipment near		
8.					mic conditions that co quipment in the area?		N_ U_
	distance depth.	a away, the Therefore, it	corrosion was	determined ave negligi	visual inspection from If to be limited in exten ble affects on the abili	nt and	
Comm	ents						
		uns betwee	•) around the area. Se high; unprotected fror	•	CR 2012-11129) mping on it (dark area).
Evalual	ted by: <u>K</u>	(yong S. (Ja	son) Pak	yon	8.03	Date	: <u>9/27/2012</u>
	I	ori Robinso	n Fo	ri C	Robinson		9/27/2012

Attachment D

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Status:	$Y \boxtimes$	N	U
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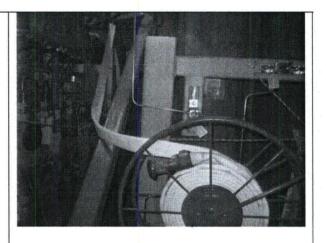
Area Walk-By Checklist (AWC) __AWC- 033

Location: Bldg. CTMT Floor El. 135 Room, Area 1A313, CTMT

Photographs



Note: Broken strap for fire extinguisher



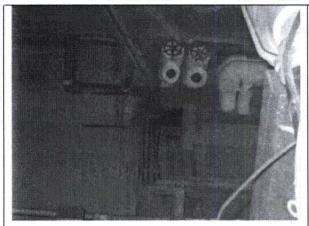
Note: Loose fire hose

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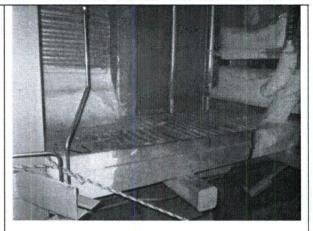
Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) __AWC- 033_

Location: Bldg. CTMT Floor El. 135 Room, Area 1A313, CTMT



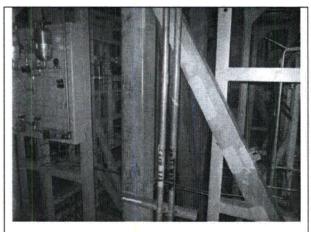
Note: Rusted pipe



Note: Pencil and trash on top of cable tray



Note: Tubing running between two instrument rack



Note: Tubing running between two instrument rack

	Attachn	nent D
	Page 111	of 167
tue:		

Area '	Walk-By Checklis	t (AWC) <u>AWC-</u>	034		Status: Y X N U	Ţ	
Location	on: Bldg. <u>CTMT</u>	Floor El. <u>161</u>	Room, Area	1A445, CTMT			
SWEI	Components: S	WEL1- 017, 019, 0	20, 064			_	
This cl	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.		equipment in the ar seismic conditions ('⊠ N□ U□ N/A□		
2.	Does anchorage of significant degrade	equipment in the ar d conditions?	ea appear to be free	of Y	∕⊠ N□ U□ N/A□		
3.	raceways and HVA seismic conditions conditions of cable	nspection from the fact ducting appear to (e.g., condition of su trays appear to be in and ducts are adequate.	be free of potentially apports is adequate a aside acceptable lim	y adverse and fill	∕⊠ N□ U□ N/A□		
4.	spatial interactions and lighting)?	the area is free of p with other equipmer ntact with the insulat e.	nt in the area (e.g., c	eiling tiles	∕⊠ N□ U□ N/A□		

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Wal	k-By	Checklis	(AWC) _	AWC- 0	34_		Si	tatus: Y⊠ N∐ U∐
Location: I	Bldg.	CTMT	Floor El.	. 161	Room, A	rea ¹ 1A445, C	TMT	
					tentially adver spray in the a		Y⊠	N□ U□ N/A□
inte	ractio	ns that cou	ld cause a f	ire in the	entially adver area? CR-GGN-201		Y⊠	N_ U_ N/A_
inte port shie	raction able e Iding)	ns associal equipment, ?	ed with hou and tempor	sekeepin ary instal	entially adver g practices, s lations (e.g., s quate tied do	torage of scaffolding, lead		N_ U_ N/A_
					eismic condit e equipment i	ions that could n the area?	Υ⊠	N_ U[
Comments App	•	shrinkage (crack in con	ocrete. Co	nduit Penetra	tion is not labled	d.CR-GG	N-2012-11153
Evaluated b			on Clu	WA	- Ast		Date:	9/28/2012
	<u> </u>	d Hopkins	a provi	14	100	\rightarrow		9/28/2012 Page 2 of
								raye Z UI

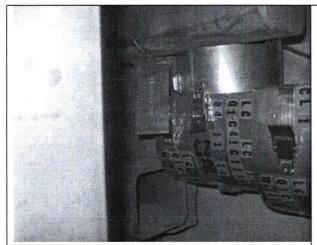
Attachment D Page 113 of 167

Status:	$Y \boxtimes$	N	U
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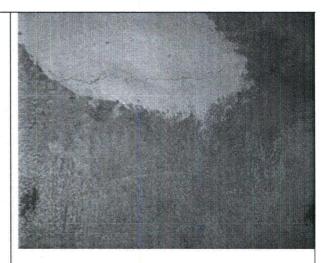
Area Walk-By Checklist (AWC) __AWC- 034_

Location: Bldg. CTMT Floor El. 161 Room, Area 1A445, CTMT

Photographs



Note: Potential contact with tube steel and insulation. Tube steel and pipe are adequately supported and pipe has adequate clearance.



Note: Surface crack.

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Status:	$Y \boxtimes$	N	U
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Area Walk-By Checklist (AWC) __AWC- 034_

Location: Bldg. CTMT	Floor El. <u>161</u>	Room, Area	1A445, CTMT	**************************************
Note: Exposed coppe	r wire.	Note:		=
l .				

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Area Walk-By Checklist (AWC)AWC- 035	Status: Y N N U
Location: Bldg. CTMT Floor El. 185 Room, Area 1A509, CTMT	
SWEL Components: SWEL1- 016	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one space below each of the following questions may be used to record the results of j Additional space is provided at the end of this checklist for documenting other complete.	udgments and findings.
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□
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)?	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 035</u>	Status: YX N U
Location: Bldg. <u>CTMT</u> Floor El. <u>185</u> Room, Area ¹ <u>1A509, CTM</u>	T
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)? Temporary installation (lighting with extension cord, drain hose on the floor, etc); doesn't pose a seismic concern.	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	YM U
Comments	
None	
Evaluated by: Kyong S. (Jason) Pak Kyong S. Oz Tori Robinson For Policinson	Date: 10/4/2012
Tori Robinson Fore Robenson	10/4/2012

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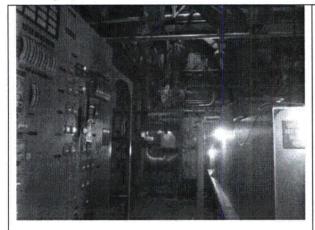
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Status:	VM	$N\square$	ПП
Status.		IN	

Area Walk-By Checklist (AWC) __AWC- 035_

Location: Bldg.	CTMT	Floor El.	185	Room, Area1	1A509, CTMT

Photographs



Note: General view of the area, temporary lighting

Note:

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Area Walk-By Checklist (AWC)AWC- 036	Status: Y⊠ N□ U□
Location: Bldg. CTMT Floor El. 185 Room, Area 1A509, CT	MT
SWEL Components: SWEL1- 040	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other	of judgments and findings.
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□
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)?	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area W	/alk-By	Checklis	st (AWC) <u>AWC</u>	- 036	Status: Y⊠ N□ U□
Location	n: Bldg.	CTMT	Floor El. <u>185</u>	Room, Area ¹ 1A509, 0	CTMT
5. C	Does it a	ppear that ons that co	the area is free of puld cause flooding of	potentially adverse seismic or spray in the area?	Y⊠ N□ U□ N/A□
6. E	Does it a	ppear that ons that co	the area is free of puld cause a fire in the	potentially adverse seismic he area?	Y⊠ N□ U□ N/A□
ii p s	nteractio ortable hielding	ons associa equipment)?	ated with housekeep , and temporary ins	potentially adverse seismic ping practices, storage of stallations (e.g., scaffolding, leadesn't pose a seismic concern.	
8. F	łave you idversely	u looked fo y affect the	r and found no othe safety functions of	er seismic conditions that could f the equipment in the area?	Y⊠ N□ U□
Comme	nts	, , , , , , , , , , , , , , , , , , , 			
٨	lone				
Evaluate	ed by: <u>K</u>	vong S. (Ja	ison) Pak	De S. O.	Date: 10/4/2012
	<u>To</u>	ori Robinso	n fari	Robenson	10/4/2012

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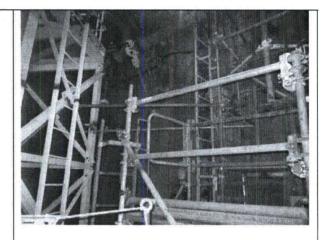
	Status:	$Y \boxtimes$	$N \square$	UL
Area Walk-By Checklist (AWC)AWC- 036_				

Location: Bldg. CTMT _ Floor El. <u>185</u> Room, Area¹ 1A509, CTMT

Photographs



Note: General view of the area



Note: General view of the area

Rev. (

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Area Walk-By Checklist (AWC) <u>AWC- 037</u>	Status: Y⊠ N∐ U∐				
Location: Bldg. CTMT Floor El. 185 Room, Area 1A512, CTM	AT				
SWEL Components: SWEL1- 051					
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.					
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□				
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? Floor is coated. Surface hairline crack in the coating nearby baseplate found at multiple locations. See photo. (CR 2012-11335) 	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)?	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)?	Y⊠ N□ U□ N/A□				

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Wa	lk-By	Checklis	t (AWC)	AWC- 037	<u> </u>		Status:	Y⊠ N□ U□
Location:	Bldg.	CTMT	Floor El.	185	_ Room, Area ¹ 1A5	512, CTMT		
					ntially adverse seism ray in the area?	ic `	∕⊠ n□	U□ N/A□
int Ab eg	eractio ondon	ns that cou tubings fo nts nearby;	ild cause a fi <i>und in the ar</i>	re in the are	ntially adverse seismi ea? are no soft target nose no seismic cond		∕⊠ N□	U_ N/A_
inte po	eractio	ns associa equipment	ted with hou	sekeeping (ntially adverse seismi practices, storage of tions (e.g., scaffolding		′⊠ N□	U N/A
					smic conditions that e equipment in the area		⊠ N□ (ı□
Comment Liq		oping from	FME bag ne	ar the valve	e P41FX255. (CR 20	012-11337 i	nitiated W	R #00286062)
Evaluated		ong S. (Ja:	to	hich	g S. Cz.	D	ate: <u>10/4/</u> 10/4/	

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Status: Y⊠ N□ U□

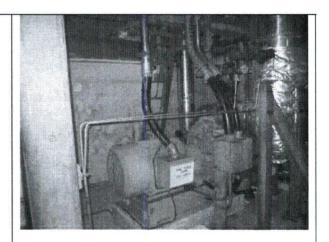
Area Walk-By Checklist (AWC) __AWC- 037

Location: Bldg. CTMT Floor El. 185 Room, Area 1A512, CTMT

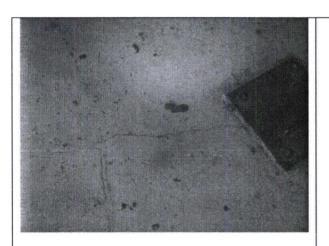
Photographs



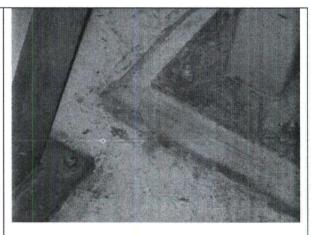
Note: Liquid on FME bag, surface oxidation on pipe



Note: Abandon tubing



Note: Hairline crack on coating of the concrete floor



Note: Hairline crack on coating of the concrete floor

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Area Walk-By Checklist (AWC)AWC- 038	Status: Y⊠ N⊡ U⊡					
Location: Bldg. <u>CTMT</u> Floor El. <u>185</u> Room, Area¹ <u>1A514, CTI</u>	MT					
SWEL Components: SWEL1- 028						
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.						
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? The plate on the wall (G36F030A) doesn't have any anchor bolts (all other similar plates in this room are bolted to the wall) and no visible welds. However, the plate is snug and not loose on the wall. Also, the nut for the manual operator is missing. See photo. (CR 2012-11334 initiated WR# 00286070) 	Y□ N⊠ U□ N/A□					
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? Minor surface corrosion found on pipe/baseplate/steel members. The corrosion was visually inspected and determined to be limited in extent and depth. Therefore, it is judged to have negligible affects on the ability of the affected components. See photos. 	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)?	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)?	Y⊠ N□ U□ N/A□					

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist	(AWC) <u>AWC- 038</u>	Status: Y⊠ N☐ U☐
Location: Bldg. CTMT	Floor El. 185 Room, Area ¹	1A514, CTMT
	ne area is free of potentially adverse seid d cause flooding or spray in the area?	smic Y⊠ N□ U□ N/A□
Does it appear that the interactions that could	ne area is free of potentially adverse seind cause a fire in the area?	smic Y⊠ N□ U□ N/A□
interactions associate portable equipment, a shielding)? Temporary ladder, us	ne area is free of potentially adverse seined with housekeeping practices, storage and temporary installations (e.g., scaffol sed light bulb, tools, temporary lead shie wever doesn't pose seismic concern on See photo.	of ding, lead elding, etc.
	and found no other seismic conditions the afety functions of the equipment in the a	
Comments Missing light bulb.		
Evaluated by: <u>Kyong S. (Jasc</u> <u>Tori Robinson</u>	Alie Rolunso	Date: 10/4/2012

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Status: Y⊠ N□ U□

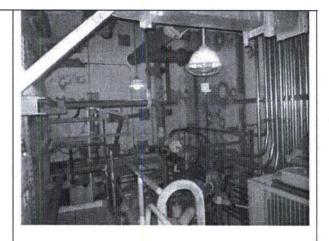
Area Walk-By Checklist (AWC) __AWC- 038

Location: Bldg. <u>CTMT</u> Floor El. <u>185</u> Room, Area¹ <u>1A514, CTMT</u>

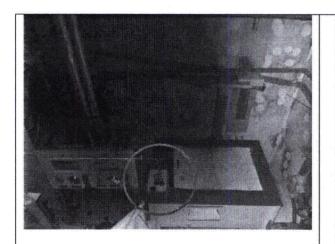
Photographs



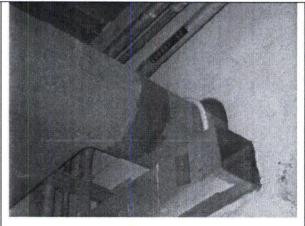
Note: General view of the area



Note: General view of the area



Note: Tools laying on top of equipment



Note: Surface corrosion on pipe

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Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) __AWC- 038

Location: Bldg. CTMT

Floor El. <u>185</u>

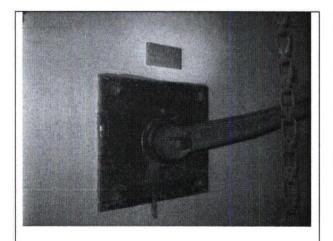
Room, Area¹ 1A514, CTMT



Note: Temporary ladder on the platform



Note: Used light bulb on top of the support beam



Note: Missing anchor bolts / missing nut on the manual operator handle



Note: Surface corrosion

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Area Walk-E	By Checklist ((AWC) <i>A</i>	WC- 039	_		Status:	YX NU UU
Location: Bld	g. <i>DG</i>	Floor El.	133	Room, Area ¹	1D302, DSL		
SWEL Com	ponents: <u>SW</u>	EL1- 063					
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.							
potent	anchorage of ed ally adverse se g cabinets)?					Y N	U N/A
	anchorage of ec cant degraded o		the area app	pear to be free	of	Y	U N/A
racewa seismi	on a visual ins ays and HVAC c conditions (e. ons of cable tra	ducting app g., condition	ear to be fre n of supports	e of potentially is is adequate a	/ adverse and fill	Y	U N/A
spatial	t appear that th interactions wi hting)?					Y N	U N/A

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC)AWC- 039_	Status: YX N_ U_
Location: Bldg. DG Floor El. 133 Room, Area 10302, DSL	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y NU UNA
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y NUUN/A
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y[] N[] U[]
Comments	
Room 1D302 and 1D310 are in same Div. 1 DG room, therefore AWC per AWC of Room 1D310 for this room.	formed only once. See
Evaluated by: Kyong S. (Jason) Pak	Date: <u>9/26/2012</u>
Tori Robinson Sore Cobenson	9/26/2012

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Area Walk-By Checklist (AWC)AWC- 0	Status: Y⊠ N⊡ U[940_			
Location: Bldg. DG Floor El. 133	Room, Area ¹ 1D308, DSL			
SWEL Components: SWEL1- 090				
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.				
 Does anchorage of equipment in the area potentially adverse seismic conditions (if opening cabinets)? 				
Does anchorage of equipment in the area significant degraded conditions?	a appear to be free of Y☐ N☒ U☐ N/A☐			
Minor hairline indication found in the coa pedestal. The visual crack doesn't line u 11126).				
Degraded grout (anchor bolt exposed) un baseplate (P75 system) near the DG (CF 00285189). See photos.				
 Based on a visual inspection from the flo raceways and HVAC ducting appear to b seismic conditions (e.g., condition of sup conditions of cable trays appear to be ins 	pe free of potentially adverse sports is adequate and fill			
Conduit is not straight at one of support I CMPR Control Panel (SBY DSL GEN 12 considered to be acceptable based on re	SKID B). However, conduit is			
One of conduit support clamp is very closs supporting unistrut; however this condition See photo.				
4. Does it appear that the area is free of po spatial interactions with other equipment and lighting)?				
Open-S hooks were identified as an IPE fixtures in this room are hung with chain this condition is judged to be acceptable, not directly above any soft targets.	using open S-hook. However,			

 $^{^{1}}$ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC)AWC- 040_	Status: Y⊠ N□ U□
Location: Bldg. DG Floor El. 133 Room, Area 1D308, DSL	,
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Found temporary items, Operations Locker and Rag Basket, resting on the floor; however these items had sign indicating that they are qualified by procedure 01-S-07-43; therefore acceptable. See photos.	
Fire extinguishers are supported to the wall using open hook. However, this condition doesn't pose a seismic concern; therefore acceptable.	
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
<u>Comments</u>	
Blake Rice (NRC Inspector) came with us to the walkdown. Found visual oil mark and oil spill mats on the floor (CR 2012-11010). Als equipment 1P75A001D and on the floor are observed during walkdown (Cphotos.	o, paint chips on pedestal of R 2012-11009). See
Evaluated by: Kyong S. (Jason) Pak	Date: 9/27/2012
Tori Robinson For Wobenson	9/27/2012

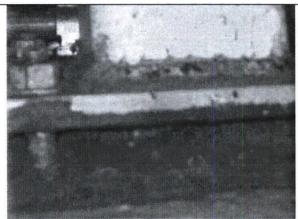
Attachment D Page 132 of 167

Status: Y⊠ N□ U□

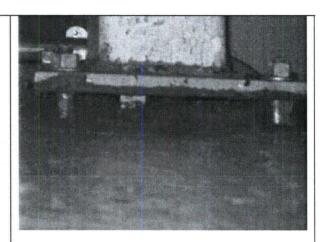
Area Walk-By Checklist (AWC) __AWC- 040

Location: Bldg. <u>DG</u> Floor El. <u>133</u> Room, Area¹ <u>1D308, DSL</u>

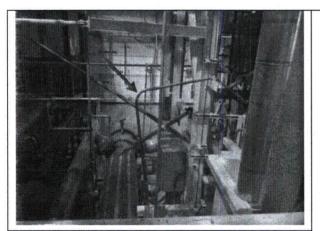
Photographs



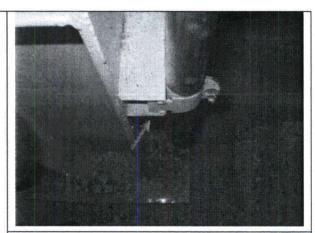
Note: Degraded grout under the baseplate of pipe support



Note: Degraded grout under the baseplate of pipe support



Note: 1" conduit with potential overspan concern and uncommon way of routing conduit



Note: Conduit clamp being close to the edge of the supporting unistrut

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Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) __AWC- 040

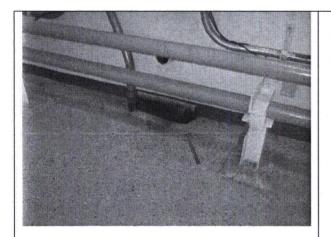
Location: Bldg. DG Floor El. 133 Room, Area¹ 1D308, DSL



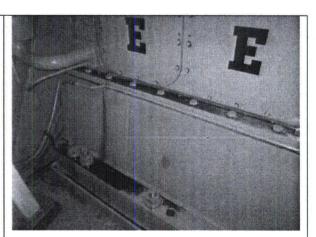
Note: Operations Locker on floor



Note: Rag Basket on floor



Note: Oil Mat on the floor



Note: Visible oil mark

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Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) __AWC- 040

Location: Bldg. DG Floor El. 133 Room, Area¹ 1D308, DSL

Note: paint chips on the concrete pedestal

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Area Walk-By Checklist (AWC) <u>AWC- 0</u>	Status: Y⊠ N□ U□ 41_
Location: Bldg. <u>DG</u> Floor El. <u>133</u>	Room, Area ¹ 1D310, DSL
SWEL Components: <u>SWEL1-002, 011, 05</u>	6, 093
	ults of the Area Walk-By near one or more SWEL items. The y be used to record the results of judgments and findings. ecklist for documenting other comments.
Does anchorage of equipment in the area potentially adverse seismic conditions (if opening cabinets)?	
 Does anchorage of equipment in the area significant degraded conditions? Minor hairline indication found in the coat pedestal. The visual crack doesn't line up 11077). Degraded grout (anchor bolt exposed) un (near valve P75-F069B) near the DG (CF) 	ting on the DG concrete to with the bolt holes (CR 2012- anderneath the pipe support
 Based on a visual inspection from the floor raceways and HVAC ducting appear to be seismic conditions (e.g., condition of supp conditions of cable trays appear to be ins 	e free of potentially adverse ports is adequate and fill
4. Does it appear that the area is free of pot spatial interactions with other equipment and lighting)? Open S-hooks were identified as an IPEE fixtures in this room are hung with chain these light fixtures are not directly located equipment. Therefore, this condition is juited.	in the area (e.g., ceiling tiles EE vulnerability. Multiple light using open S-hook. However, d over any safety related

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 041</u>	Status: Y⊠ N□ U□
Location: Bldg. <u>DG</u> Floor El. <u>133</u> Room, Area ¹ <u>1D310, D</u> :	SL
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)? Found temporary items, Operations Locker and Rag Basket, resting or the floor; however these items had sign indicating that they are qualified.	า
by procedure 01-S-07-43; therefore acceptable. See photo. Fire extinguishers are supported to the wall using open hook. However, this condition doesn't pose a seismic concern; therefore acceptable. 8. Have you looked for and found no other seismic conditions that could	Y⊠ N□ U□
adversely affect the safety functions of the equipment in the area? .	
Comments	
Dried oil residue in the area (CR 2012-11079), and soaked oil mats und attached to the valve 1P75F501A is peeling off (CR 2012-11081 initiated Paint on bottom of duct is peeling off (CR 2012-11078 initiated WR# 00 See photos.	ed WR# 00285018).
Evaluated by: Kyong S. (Jason) Pak	Date: <u>9/26/2012</u>
Tori Robinson Fori Polunson	9/26/2012

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Status: Y⊠ N□ U□

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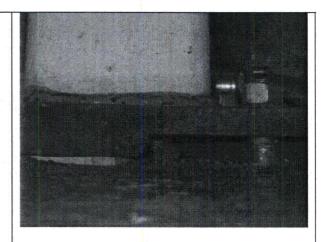
Area Walk-By Checklist (AWC) __AWC- 041

Location: Bldg. <u>DG</u> Floor El. <u>133</u> Room, Area¹ <u>1D310, DSL</u>

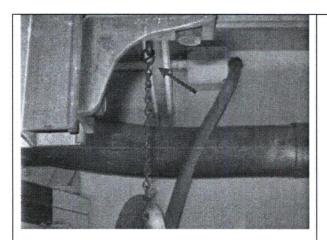
Photographs



Note: Degraded grout under the baseplate of pipe support



Note: Degraded grout under the baseplate of pipe support



Note: Light fixture mounted using S-hook



Note: Operations Lockers and Rag Can

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Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) AWC- 041

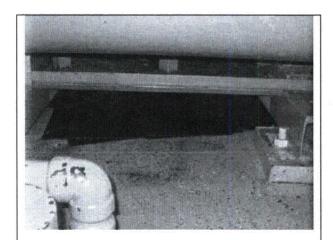
Location: Bldg. <u>DG</u> Floor El. <u>133</u> Room, Area¹ <u>1D310, DSL</u>



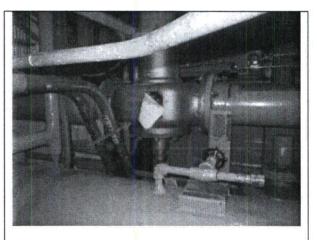
Note: Oil spill on the floor



Note: Oil spill on the floor



Note: Soaked oil mat under the DG



Note: Sign peeling off from the valve

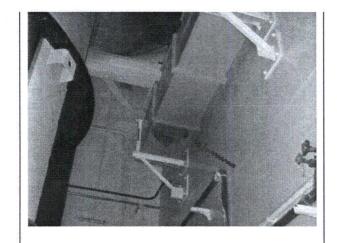
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Status:	$Y \boxtimes$	N	U
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Area Walk-By Checklist (AWC) AWC- 041

Location: Bldg. DG Floor El. 133 Room, Area¹ 1D310, DSL



Note: Paint peeling off from bottom of the duct

Note:

			Attachment D
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Status	vM	NI	

Area Walk-By Checklist (AWC)AWC- 042_	Status. F N N U			
Location: Bldg. <u>DG</u> Floor El. <u>158</u> Room, Area¹ <u>1D403, DSL</u>				
SWEL Components: <u>SWEL1- 049</u>				
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.				
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□			
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)?	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)?	Y⊠ N□ U□ N/A□			

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 042</u>	Status: Y N N U
Location: Bldg. <u>DG</u> Floor El. <u>158</u> Room, Area¹ <u>1D403, DSL</u>	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)? Temporary stand frame found; however it's tied-off to the handrail using wire rope. Temporary scaffolding (connected to the permanent platform structure) and control for the overhead hoist (see photo) found in this area doesn't pose a seismic concern.	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
<u>Comments</u>	
One of the light fixture is missing light bulb.	
Evaluated by: Kyong S. (Jason) Pak	Date: 9/26/2012
Tori Robinson Fair Orbenson	9/26/2012

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Status: Y⊠ N□ U□

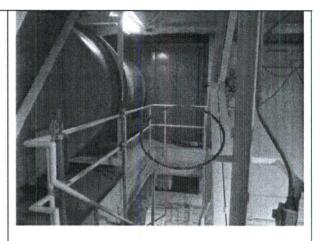
Area Walk-By Checklist (AWC) __AWC- 042

Location: Bldg. <u>DG</u> Floor El. <u>158</u> Room, Area¹ <u>1D403, DSL</u>

Photographs



Note: General view of area



Note: Controls for the overhead hoist.

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Area Walk-By Checklist (AWC)AWC- 043	Status: Y⊠ N□ U□
Location: Bldg. <u>SSW</u> Floor El. <u>133</u> Room, Area¹ <u>1M110, SSW</u>	
SWEL Components: SWEL1- 007, 048	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near one 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 contains the containing of the containing	judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Found many baseplates in this area with mix of using anchors (concrete wall) and weld connections (embeded plate). See photos. Later walkdown revealed these are typical througout the plant. 	Y⊠ N□ U□ N/A□
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? Surface corrosion has been observed on several pipe supports. The corrosion was visually inspected and determined to be limited in extent and depth. Therefore, it is judged to have negligible affects on the ability of the affected components. (CR 2012-11008). See photo. 	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)?	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 043</u>	Status:	
Location: Bldg. <u>SSW</u> Floor El. <u>133</u> Room, Area ¹ <u>1M110, SSW</u>		
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□	U N/A
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)? Fire extinguishers are supported to the wall using open hook. However, this doesn't pose a seismic concern; therefore acceptable.	Y⊠ N□	U N/A
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□	υ□
Comments Pump room door wouldn't open (CR 2012-11007).		
Evaluated by: Kyong S. (Jason) Pak	Date: <u>9/24</u>	//2012
Tori Robinson Fori Policinson	<u>9/24</u>	/2012

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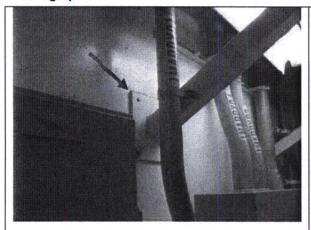
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Status: Y⊠ N□ U□

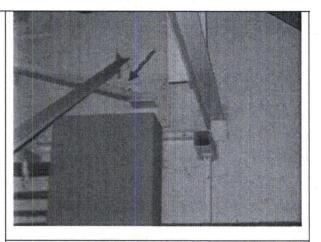
Area Walk-By Checklist (AWC) __AWC- 043

Location: Bldg. <u>SSW</u> Floor El. <u>133</u> Room, Area¹ <u>1M110, SSW</u>

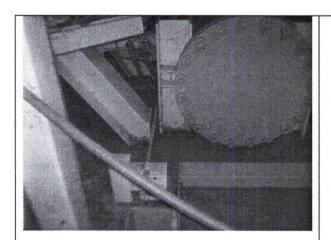
Photographs



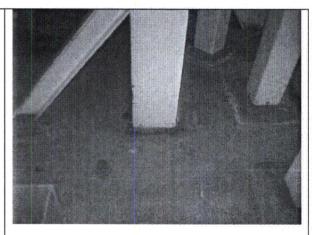
Note: Baseplate on the wall using anchor bolts (bottom side) and weld connection (top side), verified.



Note: Baseplate missing one anchor bolt, couldn't verify whether weld exists at that location.



Note: Coating deficiencies and surface corrosion found on column/baseplate of pipe supports



Note: Coating deficiencies and surface corrosion found on column/baseplate of pipe supports

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Area Walk-By Checklist (AWC)AWC- 044_	Status: Y⊠ N∐ U∐			
Location: Bldg. SSW Floor El. 133 Room, Area 1M111, SSI	<i>N</i>			
SWEL Components: SWEL1- 008				
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.				
Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?	Y			
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y			
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			
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/A_			

 $^{^{\}scriptscriptstyle 1}$ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 044</u>	Status: YK N U
Location: Bldg. SSW Floor El. 133 Roc	om, Area¹ <u>1M111, SSW</u>
Does it appear that the area is free of potentially a interactions that could cause flooding or spray in the spray in	adverse seismic Y□ N□ U□ N/A□ he area?
Does it appear that the area is free of potentially a interactions that could cause a fire in the area?	rdverse seismic Y□ N□ U□ N/A□
7. Does it appear that the area is free of potentially a interactions associated with housekeeping practic portable equipment, and temporary installations (a shielding)?	es, storage of
Have you looked for and found no other seismic c adversely affect the safety functions of the equipm	onditions that could Y☐ N☐ U☐ lent in the area?
Comments Room 1M110 and 1M111 are in same area, there 1M110 for this room.	fore AWC performed only once. See AWC of Room
Evaluated by: Kyong S. (Jason) Pak	P 03 Date: 9/24/2012
Tori Robinson Fari Co	unson 9/24/2012

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Area Walk-By Checklist (AWC) <u>AWC- 045</u>	·	Status: Y⊠ N□ U□
Location: Bldg. SSW Floor El. 133	Room, Area ¹ 1M112, SSW	
SWEL Components: SWEL1- 041, 062		
Instructions for Completing Checklist This checklist may be used to document the results space below each of the following questions may b Additional space is provided at the end of this checklist	e used to record the results of ju	udgments and findings.
Does anchorage of equipment in the area a potentially adverse seismic conditions (if vis opening cabinets)?		∕⊠ N□ U□ N/A□
Does anchorage of equipment in the area a significant degraded conditions?	ppear to be free of	∕⊠ N□ U□ N/A□
 Based on a visual inspection from the floor, raceways and HVAC ducting appear to be fi seismic conditions (e.g., condition of suppor conditions of cable trays appear to be inside 	ree of potentially adverse ts is adequate and fill	'⊠ N□ U□ N/A□
4. Does it appear that the area is free of poten spatial interactions with other equipment in and lighting)? There is a fire exstinguisher on an open how other equipment.	the area (e.g., ceiling tiles	∕⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 045</u>	Status: Y N N U
Location: Bldg. <u>SSW</u> Floor El. <u>133</u> Room, Area ¹ <u>1M1</u>	12, SSW
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	C Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Heaters mounted overhead have adequate clearance and will no interact with other equipment.	
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 shielding)? A temporary coupon rack is in the area, but no intercation. A wet cone is in the area, but does not cause an adverse seismic condition.	, lead
8. Have you looked for and found no other seismic conditions that c adversely affect the safety functions of the equipment in the area There is a temporary corrosion coupon rack attached to plant equipment with a flexible line. This is located on a friction pad approximately 4.5' from any other plant equipment. The friction peliminates the concern of sliding during a seismic event. The couprack is less that 3' tall and will therefore not interact with other equipment if overturned.	could Y⊠ N⊡ U⊡ ? ad
<u>Comments</u>	
None	
Evaluated by: Chase Wharton Chu U	Date: <u>9/24/2012</u>
Fred Hopkins Judit	9/24/2012

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Attachment D

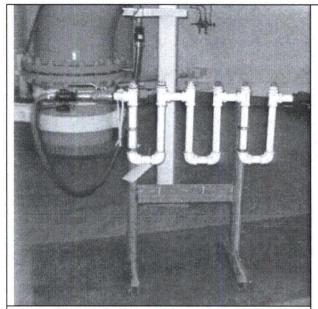
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Status:	$Y \boxtimes$	N	\cup
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Area Walk-By Checklist (AWC) __AWC- 045

Location: Bldg. SSW Floor El. <u>133</u> Room, Area¹ 1M112, SSW

Photographs



Note: Temporary Coupon Rack



Note: Lighting

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Status:	$Y \boxtimes$	N	U
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Area Walk-By Checklist (AWC) __AWC- 045_

Location:	Bldg.	SSW	_ Floor El.	133	Room, Area ¹	1M112, SSW
Note: H	natar				Note:	
	outo,					

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Area Walk-By Checklist (AWC) <u>AWC- 046</u>	Status: Y N N U
Location: Bldg. SSW Floor El. 133 Room, Area ¹ 2M110, SS	W
SWEL Components: SWEL1- 077	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near of space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other of the complete space is provided at the end of this checklist for documenting other of the complete space is provided at the end of this checklist for documenting other of the complete space is provided at the end of this checklist for documenting other of the complete space.	of judgments and findings.
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□
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)? Abondon conduit and tubings found in the room. There are no soft target equipments nearby, therefore these items pose no seismic concern. See photos.	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 046</u>	Status: Y⊠ N∐ U∐
Location: Bldg. SSW Floor El. 133 Room, Area 2M110, SSW	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ 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?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)? Fire extinguishers are supported to the wall using open hook. However, this condition doesn't pose a seismic concern; therefore acceptable.	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments None	
	Date: <u>9/24/2012</u>
Tori Robinson Selve Polenson	9/24/2012

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Status: Y⊠ N□ U□

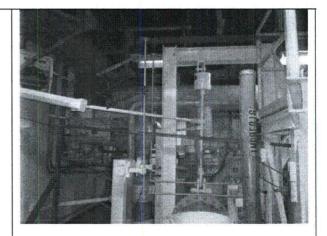
Area Walk-By Checklist (AWC) AWC- 046

Location: Bldg. <u>SSW</u> Floor El. <u>133</u> Room, Area¹ <u>2M110, SSW</u>

Photographs



Note: Abandon conduit



Note: Abandon tubing

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Area Walk-By Checklist (AWC)AWC- 047		tatus: Y⊠ N∐ U∐
Location: Bldg. AB Floor El. 166	Room, Area ¹ 1A428	
SWEL Components: SWEL2- 005, 007		
Instructions for Completing Checklist This checklist may be used to document the results space below each of the following questions may be Additional space is provided at the end of this checklist	e used to record the results of judg	ments and findings.
Does anchorage of equipment in the area a potentially adverse seismic conditions (if vis opening cabinets)?		N□ U□ N/A□
 Does anchorage of equipment in the area a significant degraded conditions? All anchorage is coated. 	ppear to be free of Y⊠	N U N/A
 Based on a visual inspection from the floor, raceways and HVAC ducting appear to be fi seismic conditions (e.g., condition of suppor conditions of cable trays appear to be inside 	ree of potentially adverse ts is adequate and fill	N U N/A
4. Does it appear that the area is free of poten spatial interactions with other equipment in and lighting)?		N U N/A

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 047</u>	Status: Y⊠ N∐ U∐
Location: Bldg. AB Floor El. 166 Room, Area 1A428	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ 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? Area is a combustible exclution area.	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments	
Crack in penetratioin grout. Pen. # AP-58D. CR-GGN-2012-11083	
Evaluated by: Chase Wharton	Date: <u>9/26/2012</u>
Fred Hopkins	9/26/2012

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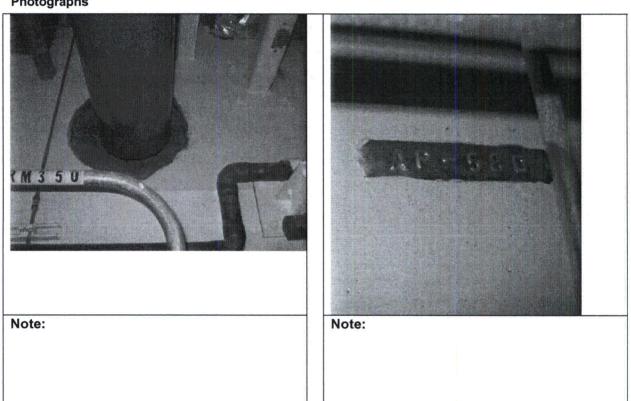
Page 157 of 167

Status:	$Y \boxtimes$	N	U
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Area Walk-By Checklist (AWC) __AWC- 047

Location: Bldg. AB Floor El. <u>166</u> Room, Area¹ 1A428

Photographs



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Status:	\vee	NI	1.11
Status.		IN	

Area Walk-By Checklist (AWC) __AWC- 047_

Location:	Bldg.	<u>AB</u>	Floor El.	166	Room, Area ¹	1A428	
Note: Vi	sible o	crack in pend	etration gi	rout.	Note:		

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Area Walk-By Check	list (AWC) <u>AV</u>	NC- 048		Status: Y⊠ N□ U□
Location: Bldg. AB	Floor El. <u>1</u>	66 Room, Area	¹ 1A432	
SWEL Components:	SWEL2- 001, 0	08		
Instructions for Comp This checklist may be us space below each of the Additional space is provided.	sed to document the following question	ns may be used to reco	rd the results of jud	
	se seismic conditie	ne area appear to be fre ons (if visible without ne		⊠ N□ U□ N/A□
Does anchorage significant degra		ne area appear to be fre	e of Y[⊠ N□ U□ N/A□
raceways and H seismic condition	VAC ducting appens (e.g., condition	the floor, do the cable/o ar to be free of potentia of supports is adequate be inside acceptable li	lly adverse and fill	⊠ N□ U□ N/A□
		e of potentially adverse pment in the area (e.g.,		⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 048</u>	Status: Y⊠ N∐ U∐
Location: Bldg. AB Floor El. 166 Room, Area 1A432	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments	· · · · · · · · · · · · · · · · · · ·
Temporary scaffording in area. Temporary RP sign post in area. Tempor lighting in area.	rary ARM wires and temporary
Evaluated by: Chase Wharton Chud	Date: 10/10/2012
Fred Hopkins Tudro Hop	10/10/2012
	Page 2 of 3

Attachment D

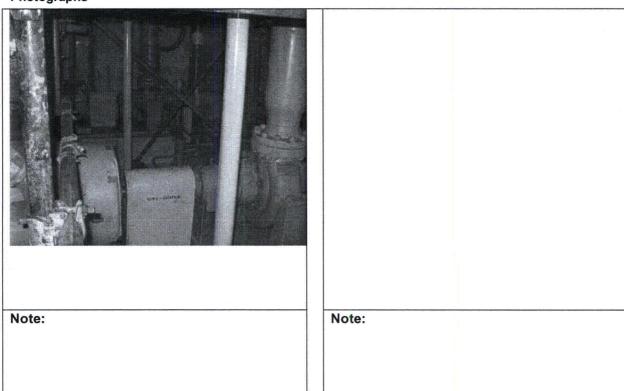
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Status:	$Y \boxtimes$	N	U

Area Walk-By Checklist (AWC) __AWC- 048

Location: Bldg. AB Floor El. 166 Room, Area 1A432

Photographs



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Area Walk-By Checklist (AWC)AWC- 049_	Status: Y⊠ N☐ U☐
Location: Bldg. AB Floor El. 185 Room, Area 1A527	
SWEL Components: <u>SWEL2- 002, 003, 004, 006</u>	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near of space below each of the following questions may be used to record the results. Additional space is provided at the end of this checklist for documenting other of the complete the complete that the complete the complete that the complete the complete that	of judgments and findings.
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□
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)?	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 049</u>	Status: Y N N U
Location: Bldg. AB Floor El. 185 Room, Area ¹ 1A527	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ 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?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)? Temporary 280V/480V electrical panel on the cart, extension cord, RP monitoring device, drain hose, abandon flex conduit, etc. found around the area; however these items doesn't pose a seismic concern. See photos.	,
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments	
Liquid was observed on the floor; however no active leakage could be initiated WR# 00285928)	found. (CR 2012-11308
Evaluated by: Kyong S. (Jason) Pak	Date: 10/3/2012
Tori Robinson Fori Orabenson	10/3/2012

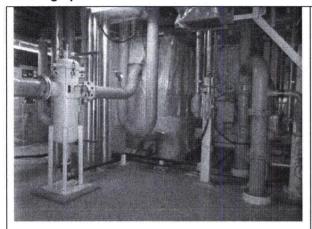
Page 164 of 167

Status: Y⊠ N□ U□

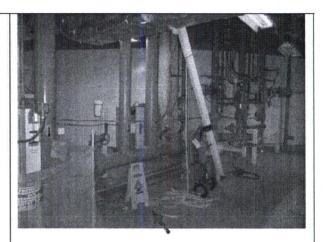
Area Walk-By Checklist (AWC) __AWC- 049

Location: Bldg. AB Floor El. 185 Room, Area 1A527

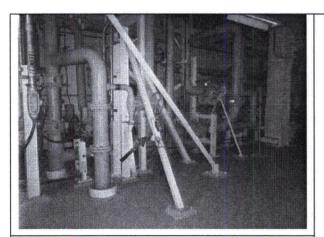
Photographs



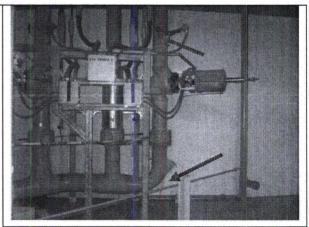
Note: General area view



Note: Temporary 280V/480V electrical panel on the cart which is tied-off from structural steel, and extension cord



Note: RP monitoring device tied to the structural steel



Note: Temporary drain hose and abandon flex conduit

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Area Walk-By Checklist (AWC)AWC- 050_	Status: Y⊠ N∐ U∐
Location: Bldg. AB Floor El. 191 Room, Area¹ 1A537	_
SWEL Components: SWEL2- 009	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near of space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other of the complete space is provided at the end of this checklist for documenting other of the complete space.	of judgments and findings.
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□
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	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)?	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)?	Y⊠ N□ U□ N/A□

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC) <u>AWC- 050</u>	Status: Y⊠ N∐ U∐
Location: Bldg. AB Floor El. 191 Room, Area 1A537	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	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 equipment, and temporary installations (e.g., scaffolding, lead shielding)? Temporary extension cord on the floor; however it doesn't pose a seismic concern to the equipments nearby.	Y⊠ N□ U□ N/A□
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments	
None	
Evaluated by: Kyong S. (Jason) Pak	Date: 10/3/2012
Tori Robinson Fori Robenson	10/3/2012

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Attachment D

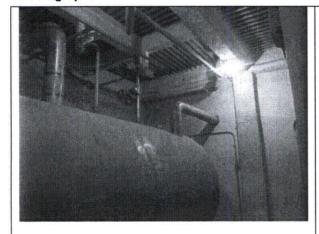
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Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) __AWC- 050

Location: Bldg. AB Floor El. 191 Room, Area 1A537

Photographs



Note: General view of the area



Note: General view of the area

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Attachment E

POTENTIALLY ADVERSE SEISMIC CONDITIONS

5.5% A	L	The other first tenders because the transfer of the first off of the about the content of the co	LANCE LICENSING DACIS INC.	the substitution of this fit in the old to the 1 th 1 th 10 th	Danking the angle of the state
CR#	SWC/AWC#	DENTIFIED CONDITION	LICENSING BASIS	RESOLUTION :	STATUS
2012-11077		In the Div I Diesel Generator Room minor cracks were noticed in the concrete pedestal. There is a hairline crack running east to west along the pedestal. There is also hairline cracks running at the beginning of each plate attached to the pedestal. The cracks appear to be minor hair line cracks in the coating on the pedestal.	Condition entered directly into CAP	The observed condition does not create a seismic or structural integrity concern for the Div I Diesel or associated components. Based on review of the condition the crack does not appear to have originated from a stress concentration and per the originator does not have an adverse impact on the load bearing capability of the pedestal. Based on the visual inspection by the originator the cracks appear to be in the surface coating only. There was no visual indication of concrete to suggest cracking of the concrete structure. The Div I Diesel is determined to be operable.	
2012-11080	AWC-041	In the Div I Diesel Generator Room pipe supports were noticed with degraded grout underneath the support. The supports are still attached to the pedestal and all anchors are still intact even with the missing grout.	Condition entered directly into CAP	Based on a review of CS03 6.1.1.5 the grout is capable of performing its design function. The anchors are completely covered and protected by grout. The grout is providing a uniform contact surface. This condition does not create a seismic concern impacting the div I diesel generator. The Div I diesel generator is determined to be operable. WO# 328051 - REPAIR GROUT UNDER PIPE SUPPORTS	Closed (WO# 328051)
2012-11126	AWC-040	In the Div. 2 Diesel Generator Room minor indications were noticed in the coating on the concrete pedestal. There is a hairline indication running east to west along the pedestal. There is also hairline indications running at the beginning of each plate attached to the pedestal.	Condition entered directly into CAP	The observed condition does not create a seismic or structural integrity concern for the Div I Diesel or associated components. Based on review of the condition the crack does not appear to have originated from a stress concentration and per the originator does not have an adverse impact on the load bearing capability of the pedestal. Based on the visual inspection by the originator the cracks appear to be in the surface coating only. There was no visual indication of concrete to suggest cracking of the concrete structure. The Div II Diesel is determined to be operable.	Closed to CR-GGN-2012-0034 CA-67
2012-11128	AWC-040	In the Div. 2 Diesel Generator Room pipe supports were noticed with degraded grout underneath the support. The supports are still attached to the pedestal and all anchors are still intact even with the missing grout.	Condition entered directly into CAP	Based on a review of CS03 6.1.1.5 the grout is capable of performing its design function. The anchors are completely covered and protected by grout. The grout is providing a uniform contact surface. This condition does not create a seismic concern impacting the Division II Diesel Generator. The Division II Diesel Generator is determined to be OPERABLE for the condition described in this CR. WO# 328052 REPAIR GROUT UNDER PIPE SUPPORTS	Closed (WO# 328052)
	SWEL1-058 SWEL1-060 SWEL1-061	Several racks in Containment on elevation 135-0 in areas 1A311 and 1A313 are mounted by 2 inch stich welds approximately 9 to 12 inches apart. The welds are located at bolt holes. The Seismic Qualification states welds should be 2 inches ant every 6 inches.	Condition entered directly into CAP .	The panels were evaluated using a conservative assumption that 2 inch welds on 12 inch centers was how the panels were installed. The evaluation shows that even under these conditions the panels still satisfy the seismic stress calculations. Therefore, the panels and the equipment installed within are OPERABLE for the condition described in this CR.	Closed to CR-GGN-2012-11932 CA-4

CR#	SWC/AWC#	IDENTIFIED CONDITION	LICENSING BASIS		STATUS
2012-11254	AWC-029	A screw was partially screwed in a plate in panel 1H13-P642. The screw is currently attached to the plate by approximately two threads. The plate attaches to the back of E31AT5 oscillator in the leak detection panel H13-P642 division 2.	Condition entered directly into CAP	Missing fastener on a joint supporting a non EQ cover plate for an instrument, switch, cable tray cover or other similar application, provided there are no more than two missing or loose fasteners AND no FME concern exists." The plate that the screw is supporting is only separating instruments and therefore fits the definition of, "cable tray cover or other similar application" As for the screw being an FME concern, the screw is securely wedged in the hole and cannot be move by hand. In addition, there is nothing directly below the screw that it would damage or hinder if it were to come loose. WO# 328693 TIGHTEN SCREW ON PLATE ATTACHED INSIDE PANEL	Closed (WO# 328693)
2012-11255		A nut was missing off of the welded stud attached to the PGCC structural beam that bolts down the H13-694 panel in the Control Building on Elevation 166 in the control room. There are currently 7 out of the 8 bolts securing the panel to the beam.	Condition entered directly into CAP	The Operability evaluation attached to CA1 of this CR provides documentation that the strutural integrity / Seismic qualification of the pane will remain intact under all conditions with with one stud missing. 1H13P694 and associated RPS components are determined to be operable. WO# 329993 has been written to replace missing nut.	
2012-11306		In the Auxiliary Building on elevation 195'-6' near Area 1A538, one nut is missing on Valve 1G41F045. The missing nut is located near the back side of the valve. Valve 1G41F045 has twelve 7/8" diameter studs on each face.	Condition entered directly into CAP	The nut that was missing on valve 1G41F045 was replaced in accordance with WO# 328692.	Closed (WO# 328692)
2012-11307		In the Auxiliary Building on elevation 185' in Area 1A527, Flow Transmitter 1G41N011 has one nut that is not tight. The loose fastener is one of 4 fasteners securing the flow transmitter to the tube steel support.	Condition entered directly into CAP	The nut was tightened by the I&C department therefore, No Degraded or Nonconforming Condition exists per EN-OP-104 Revision 6 Attachment 9.1 Table 1. Flow transmitter 1G41N011 only feeds a local gauge and a computer point for flow. This transmitter is not required by any TS/TRM. Actions taken under tool pouch.	Closed (actions taken)
2012-11334		In Containment on elevation 185' in Area 1A514 valve 1G36F030A has a reach rod that penetrates the wall. The plate on the wall does not have any Hilti bolts or visible welds, but the plate is snug and not loose on the wall. Also, the nut for the manual operator is missing for valve 1G36F030A.	Condition entered directly into CAP	This CR describes a condition of an SSC that is not within the scope of the Operability Determination Process. WO# 329108 INSTALL HILTI BOLTS AT PLATE ON WALL FOR VALVE 1G36F030A	Closed (WO# 329108)
2012-11335	SWEL1-051 AWC-037	In Containment on elevation 185' in Area 1A512 minor indications were noticed in the coating on the concrete pedestal for 1E61C001B. The hairline indications run down the pedestal to the concrete floor. One indication on the pedestal seemed to be propagating toward the bolt hole. There are other hairline indications on the concrete floor that appear to be minor hairline indications in the coating.	Condition entered directly into CAP	Drywell Purge Compressor B is determined to be operable for this condition. The indications will not adversely affect the compressive load capabilities of the concrete.	Closed to CR-GGN-2012-11932 CA-4
2012-11455		In the Auxiliary Building on elevation 119' in Room 1A219 the mounting spring nut for Alternate Shut Down Panel, 1H22P296, is not mounted properly to the unistrut. The misaligned mounting nut is located on the top left when facing the panel. The spring nut is twisted and provides partial bearing but does not provide the manufacturer's requirement of contact with the unistrut. All other mounting bolts and nuts on the panel are mounted properly and will provide the anchors required for the panel.	Condition entered directly into CAP	Alternate Shutdown Panel, 1H22-P296, is required to be functional per 10CFR50, Append R. This panel also provides support functions for all of the items controlled in this panel which are required to OPERABLE per their respective Tech Spec or TRM as listed in the first operability version. The Alternate Shutdown Panel repair Work has been completed under WO# 329358 by the FIN Team.	Closed (WO# 329358)

CR#	SWC/AWC#	IDENTIFIED CONDITION	LEVALUATION CONCLUSION	RESOLUTION	STATUS
2012-11456	SWEL1-082	In the Upper Control Room on elevation 189' in RoomOC703 in Panel H13P632 Bay C, a welded stud was not long enough to extend out of the nut.	Condition entered directly into CAP	Per Engineering, the partial thread engagement on the weld stud is fully	Closed (WO# 329372)
2012-11457	· -	In the Upper Control Room on elevation 189' in Room OC703 in Panel H13P632 Bay B a lock washer is only partially compressed. The partially compressed lock washer is located 4th from the bottom on the left side of the panel.		Per Engineering, bolted connections use lock washers to prevent applying a torque on the connection. The spring washer prevents the connection from loosening or backing off when subjected to long term vibration. None of the panels in the control room are subject to long term vibration, and a seismic event is extremely short term (< 30 Seconds) and the bolted connection would not loosen in this short of a time span. The actual lock washer is partially engaged and will provide the bolted connection with the ability to not loosen in its current as-found condition. Therefore, the condition described in this CR is screened OPERABLE. WO# 329359 - TIGHTEN SCREW IN PANEL 1H13P632 BAY	Closed (WO# 329359)
2012-11458		In the Upper Control Room on elevation 189' in Room OC703 in Panel H13P691 Bay B a nut is missing on the L-bracket that mounts the wire support plate to the unistrut. The missing nut is located on the right side of the mounting plate at the top. Also, the lock washer (located 3rd from the bottom on the left side) is only partially compressed.	Condition entered directly into CAP	Per Engineering, bolted connections use lock washers to prevent applying a torque on the connection. The spring washer prevents the connection from loosening or backing off when subjected to long term vibration. None of the panels in the control room are subject to long term vibration, and a seismic event is extremely short term (< 30 Seconds) and the bolted connection would not loosen in this short of a time span. The actual lock washer is partially engaged and will provide the bolted connection with the ability to not loosen in its current as-found condition. The partial thread engagement on the welded stud is fully capable of providing the required load capacity needed to support the light weight of the termination block under all loading conditions including seismic. The termination block is supported by other bolts that have full thread engagement. The requirement of having full thread engagement on the nut is to provide the full capacity of a structural joint. This requirement is based on American Institute of Steel Construction and is common practice. Therefore, the condition described in this CR is screened OPERABLE. WO# 329360 - REPLACE MISSING HARDWARE AND TIGHTEN LOOSE HARDWARE	Closed (WO# 329360)
2012-11459		In the Upper Control Room on elevation 189' in Room OC703 in Panel H13P691 Bay A the nut is loose on the mounting plate to the unistut.	Condition entered directly into CAP	The nut in question in this condition report was tightened by the FIN team under WO 329361 after discovery of the condition. Therefore, the condition described in this condition report is screened as OPERABLE.	Closed (WO# 329361)

			, new		
CR## SWC	wc#		LICENSING BASIS	RESOLUTION	STATUS
2012-11461 SWEL1-	79 In the Upper (H13P669 Bay clamp missing	Control Room on elevation 189' in Room OC703 in Panel B the clamp for the flex conduit is missing hardware. The hardware is located 2nd from the right on a unistrut in the panel. Also, there is a welded stud that is not long enough	Condition entered directly into CAP	Per Engineering, the partial thread engagement on the welded stud is fully capable of providing the required load capacity needed to support the light weight of the termination block under all loading conditions including seismic. The termination block is supported by other bolts that have full thread engagement. The requirement of having full thread engagement on the nut is to provide the full capacity of a structural joint. This requirement is based on American institute of Steel Construction and is common practice. The conduit clamp with the missing bolt for the flex conduit is only in place to route the conduit and keep it in place so that other work could be completed, if required. This clamp is not required to be installed, it is not	Closed (WO# 329362)
				needed for seismic loading or for Seismic II/I concerns, nor is it needed to maintain the seismic qualification of the 1H13P669 panel. Therefore, the condition described in this CR is screened OPERABLE. WO# 329362 - REPLACE HARDWARE ON CLAMP FOR FLEX CONDUIT	
2012-11462 SWEL1-	H13P871 Bay 1M71N616A i	control Room on elevation 189' in Room OC703 in Panel E the mounting plate supporting 1M71N606A and s missing one screw out of four total. The missing screw is top right corner of the mounting plate.	Condition entered directly into CAP	The Work to replace the screw has been completed under WO 329363 by the FIN Team.	Closed (WO# 329363)
2012-11463 SWELI-	Room on elev pieces of flex nut that clam	ning seismic walkdowns for Fukushima, in the Upper Control ation 189' in Room OC703 in Panel H13P871 Bay D two conduit are located in one clamp that is missing the bolt and is the two straps together. This condition will not adversely mic qualification of the panel or any of the mounted in the panel.		Per Engineering, the conduit clamp with the missing bolt for the flex conduit is only in place to route the conduit and keep it in place so that other work could be completed, if required. This clamp is not required to be installed, it is not needed for seismic loading or for Seismic II/I concerns, nor is it needed to maintain the seismic qualification of the 1H13P871 panel. This conduit clamp has been installed to ensure that the flexible conduits do not interfere with other work that must be performed in the panel. The other flexible conduit that is near the first conduit is tie-wrapped to other flexible conduits thus providing insurance that it will not interfere with other future work. Therefore, the condition described in this CR is screened OPERABLE. WO# 329365 - REPLACE MISSING HARDWARE FOR FLEX CONDUIT AND TY-WRAP AS REQ	Closed (WO# 329365)
2012-11464 SWEL1-		ontrol Room on elevation 189' in Room OC703 in Panel A the mounting plate for WAKI-YX-P871 is missing one	,	anel H13P871 contains Div I ESF logic described in section 3.3 of Tech Specs. The described has been corrected under WO# 329366. All associated equipment is determined to be operable. WO# 329366 REPLACE MISSING HARDWARE ON MOUNTING PLATE.	Closed (WO# 329366)

ECR#5	SWC/AWC#	IDENTIFIED CONDITION	LICENSING BASIS 少大	RESOLUTION	TILLISTATUS.
2012-11465		In the Upper Control Room on elevation 189' in Room OC703 in Panel H13P669 Bays A and 8 the mounting plate (located in the center of the panel about eye level) is missing 4 out of 8 screws.	EVALUATION CONCLUSION CONdition entered directly into CAP	Per Engineering, the mounting plate that is missing 4 screws out of the eight total screw locations, supports cable connection points. The components mounted on the plate are not seismically qualified. The mounting plate and cable connections must meet Appendix B Seismic II/I concerns so that its failure could not adversely affect any other safety-related components in the 1H13P669 panel. Based on the light weight and the configuration of two screws on either side of the mounting plate, the 4 existing screws are fully capable of maintaining the structural integrity of the mounting plate and will ensure that the other safety-related components in the 1H13P669 panel will continue to perform their safety-related design function. Therefore, the condition described in this CR is screened OPERABLE. WO# 329367 - REPLACE MISSING SCREWS ON THE MOUNTING PLATES	(WO# 329367)
2012-11466	AWC-013	In the Auxiliary Building on elevation 133'-0 in Room 1A208, an approximate three inch diameter conduit (1AARNH19) is not supported from the top unistrut. The conduit is open ended and cantilever approximately 6 feet from the last support.	Condition entered directly into CAP	The described condition has been corrected under WO# 329369. All associated equipment is determined to be operable	Closed (WO# 329369)
2012-11311	SWEL1-092	While performing seismic walk downs for the Fukushima effort in the Auxiliary Building Elevation 93 there is a missing one of two required nuts on the bottom support bracket of 1E128002B. The studs should have double nuts on them in accordance with drawing C1365D. One nut is more than capable of providing the structural integrity for the bolted joint The second nut is only use to ensure that the first nut does back off. WR # 285936 has been written to correct this issue	Condition entered directly into CAP	From Engineering input, the Heat Exchanger supports are seismically designed and evaluated based on the single nut providing the required tension on the bolt. The second nut does not provide any bolt tension, it is only required by a site specific drawing to prevent the first nut from backing off over time. Currently the first nut is providing the tension required for the support bracket to be considered seismically designed. The Heat Exchanger with the one missing jam nut is fully capable of performing is safety-related function.	Closed (10-09-2012 CRG closed remaining actions to WO# 328676)
2012-11312	SWEL1-092	In the Auxiliary Building Elevation 108 the head of one of twelve bolts on the lower west bracket is not fully in contact with the support (i.e. there is a small gap between the support bracket and the head of the bolt.) The bolt is required to be flush with the bracket supporting heat exchanger 1E12B002B.	Condition entered directly into CAP	The Heat exchanger is held in place by a total of 24 -3inch bolts. From the CR, the gap will only affect the bolt tension. Shear and compressing capabilities are maintained based on the configuration of the mounting bracket. This slight loss of tension capability will not adversely affect the capability of the heat exchanger support configuration. This condition does not impact the ability of the B RHR Heat Exchanger or system to perform its designed safety function. Therefore the RHR system and Heat Exchanger are OPERABLE. WO# 328677 TIGHTEN BOLT ON THE SUPPORT BRACKET ON ELEVATION 108	
2012-11318	AWC-005	In the Auxiliary Building Elevation 108 there is a angle that is attached to the wall on the north side of RHR 8 Heat exchanger 1£128001B and 1£128002B that is supporting the grating on elevation 119' that has nuts attached to anchor bolts that do not have the entire nut thread engagement.	Condition entered directly into CAP	The condition does not impact the operation of the B RHR heat exchanger or System or prevent either from performing its designed safety functions. Therefore the B RHR heat exchanger and B RHR system remain OPERABLE. WO# 328680 TIGHTEN NUTS ON ANCHOR BOLTS, PLAN, 2A	Closed (WO# 328680)
2012-11343	AWC-004	In the RHR B Pump room a bent support plate was noticed. The support plate is bolted together cantilevered from the wall. The plate is bent across the top. The pipe support is almost floor level with the stairway and the pipe support number is Q1E12G010R16 reference drawing HL1348B.	Condition entered directly into CAP	The plate in question appears to be a legacy issue from initial plant construction. There is no evidence of movement of the plate as witnessed by the integrity of the protective coating present. This plate is a portion of a pipe support joint supporting a 4 inch pipe. There is no impact to either the B RHR system as a whole or individual RHR components or primary containment.	closing remaining actions to

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Attachment F

Licensing Basis Evaluation Forms

(NOT USED)

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Attachment G

PEER REVIEW CHECKLISTS FOR SWEL

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Pee	er Review Checklist for SWEL	ecklist may be used to document the review of the Seismic Walkdown Equipment List toce with EPRI 1025286, Section 6: Peer Review. The space below each question in this used to describe any findings identified during the peer review process and how the anged to address those findings. Additional space is provided at the end of this checklist er comments. Tety functions adequately represented in the SWEL 1 selection? Of the SWELL and GGNS System knowledge, it was clear that a good the 5 safety functions were included. Many of the selected components an one of the 5 safety functions. Clude an appropriate representation of items having the following sample selection as of systems? The selected are, ECCS, diesels, AC/DC power, drywell purge, Main included are, ECCS, diesels, AC/DC power, drywell purge, Main included are, ECCS, diesels, AC/DC power, drywell purge, Main included are, ECCS, diesels, AC/DC power, drywell purge, Main included are, ECCS, diesels, AC/DC power, drywell purge, Main included are the SSW A Pump and motor, the HPCS SSW and replacement equipment? The placed equipment are the SSW A Pump and motor, the HPCS SSW and replacement equipment are the SSW A Pump and motor, the HPCS SSW and the selection of equipment? The placed equipment is good to suck the selection of the selection? The placed equipment? The selection of the Selection? The selec
Insti	ructions for Completing Checklist	
(SW chec SWE	peer review checklist may be used to document the review of the Seismic Walkdown Equ (EL) in accordance with EPRI 1025286, Section 6: Peer Review. The space below each qualities should be used to describe any findings identified during the peer review process an EL may have changed to address those findings. Additional space is provided at the end of documenting other comments.	uestion in this d how the
B	Vere the five safety functions adequately represented in the SWEL 1 selection? Based on review of the SWELL and GGNS System knowledge, it was clear that a good cross section of the 5 safety functions were included. Many of the selected components berform more than one of the 5 safety functions.	Y⊠ N□
	Does SWEL 1 include an appropriate representation of items having the following sample stributes:	selection
	a. Various types of systems? Systems represented are, ECCS, diesels, AC/DC power, drywell purge, Main Steam, Service Water, Component Cooling Water, Reactor Recirc, Control Room AC, Ventilation, Emergency AC.	Y⊠ N□
	b. Major new and replacement equipment? Significant replaced equipment are the SSW A Pump and motor, the HPCS SSW Pump, and valve E12F003A.	Y⊠ N□
	c. Various types of equipment? SRVs, MSIVs, globe valves, gate valves, butterfly valves, check valves, solenoid valves, various type transmitters, various type switches, trip units, MOVs, APRMs, heat exchangers, pumps, motors, temperature elements, compressors, instrument racks and panels, battery chargers, inverters, airlocks, recorders, fans, room coolers, LCCs, dampers, and diesel generators.	Y⊠ N□

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Peer Review Checklist for SWEL	
d. Various environments? Nearly all GGNS seismically qualified equipment is located indoors. There are several examples of equipment that operates in higher normal operating radiation environments and high temperature environments.	Y⊠ N□
e. Equipment enhanced based on the findings of the IPEEE (or equivalent) program? Not required for GGNS	Y□ N⊠
f. Were risk insights considered in the development of SWEL 1? The IPEEE base list was prepared including high risk equipment.	Y⊠ N□
3. For SWEL 2:	
 a. Were spent fuel pool related items considered, and if applicable included in SWEL 2? SWEL 2 consists of spent fuel pool related components. 	Y⊠ N□
b. Was an appropriate justification documented for spent fuel pool related items not included in SWEL 2? Section 6.2.3 of the Seismic Walkdown report provides justification for the process used to determine SWEL 2. In addition, there were no components that could contribute to rapid SFP draindown that were identified.	Y⊠ N□

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P	Peer Review Checklist for SWEL					
4.	Provide any other comments (Attachment 9.11) related to the peer review of the SWELs.					
	NA .					
5.	Have all peer review comments been adequately addressed in the final SWEL? Y⊠ N□					
P	eer Reviewer #1: <u>Doug Jones</u> Date:					
P	eer Reviewer #2: Robert Fuller Robert w Fuller Date: 11-15-12					
•	out the same of th					

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Attachment H

PEER REVIEW COMMENT FORM

	Entergy	Seismic Walkdown Submittal Report Review Comments and Resolutions Form					
Engineering GGNS-CS-1		-12-00002				ulf Nuclear Station Seismic Walkdown Submittal Report for on of Fukushima Near-Term Task Force recommendation mic	
Quality Re	lated: 🗌 Yes 🛛	No	Special Notes or Instructions:				
Comment Number	Section/Page No.	Review Comment				Response/Resolution	Reviewer's Accept Initials
1	AWC-017, Question 4	load center could potentially fa center. It appears this may be	cuss whether or not the lighting above the could potentially fall and impact the load pears this may be possible. If so, is the light cause adverse results? Need to justify or identified as degraded.			Additional write-up added to justify the condition.	SMM 10/16/12
2	SWEL1-003, Question 8	Is there a potential for the light bulbs to fall out and impact the MCC during a seismic event? If so this should be discussed.				Additional write-up added to justify the condition.	SMM 10/16/12
3	AWC-032, Question 4	Need to add clarification as to why the swivel mounts were judged to be acceptable.			nounts	The mention of swivel mount is not required and was therefore removed.	SMM 10/16/12
4	SWEL1-065, Question 3	Need to state the corrosion is judged to have negligible affects on the welds structural ability.			egligible	Incorporated.	SMM 10/16/12
5	SWEL1-065 Question 4	Answering N/A for this question would also be acceptable. No change is required.				Answer changed to N/A	SMM 10/16/12
6	SWEL1-064 Question 1	According to the procedure de belongs in section 2.	According to the procedure description of anchorage belongs in section 2.			Incorporated.	SMM 10/16/12
7	AWC-050 Photos Recommend adding an additional photo capturing the lower part of the Room (i.e. photo 002 from SWC)			Incorporated, additional photo added.	SMM 10/16/12		

	Enter	rgy	Seismic Walkdown Submittal Report Review Comments and Resolutions Form									
	ngineering GGNS-CS-		12-00002	Rev. 0	Title		d Gulf Nuclear Station Seismic Walkdown Submittal Reportution of Fukushima Near-Term Task Force recommendations					
Quality Re	lated:	☐ Yes 🛛	No	Specia	I Notes	or Instruc	tions:					
Comment Number	Sectio	n/Page No.	Review Comment	<u> </u>		-	Response/Resolution	Reviewer's Accept Initials				
8	SWEL Quest		This Section needs to be upda	ited.			Incorporated.	SMM 10/16/12				
9	SWEL Quest		Need to quantify.				Incorporated.	SMM 10/16/12				
10	SWEL Comm		Was a condition report written condition report for this issue? stated in regards to CAP here.				CR numbers added	SMM 10/16/12				
11	SWEL Photos		What is on the ground at the e appears to be the controls for this item fall and impact the die	the overl	head hoi		Item added to the AWC-042, and justification write-up added why it is no concern.	SMM 10/16/12				
12	AWC-043 Question 2		Suggest rewording this section used in applying engineering ju	to provi	ide justif	ication	Section reworded as suggested.	SMM 10/16/12				
13	AWC- Questi		Attached photos include lightin potentially impact equipment. I added to discuss why this is no	Discussi	on need	s to be	As discussed, light fixture concern will be added to the main body of the report as general observation that requires an action.	SMM 10/16/12				
14	SWEL Questi		This is a general comment. The requires documenting the anchather reader to wonder whether bent, broke, etc. Recommend whether or not bent, broken, etc.	norage c or not the adding a	onfigura e ancho senten	tion leads rage is ce stating	As suggested, sentence added to document whether or not bent, broken, missing, or loose hardware has been observed during walkdown. This comment has been incorporated to all SWCs.					

	Enter	gy		Seismic Walkdown Submittal Report Review Comments and Resolutions Form									
			CS-12	S-12-00002			Title		Bulf Nuclear Station Seismic Walkdown Submittal Report for on of Fukushima Near-Term Task Force recommendation smic				
Quality Re	lated:	Yes	\boxtimes	No		Speci	al Notes	or Instruct	tions:				
Comment Number	Section	n/Page N	lo.	Review Comment						Response/Resolution			
15	AWC-0 Questi			Need to explain why the light doesn't affect the conduit.						Incorporated.			
16	AWC-0 Questi			This is a bit confusing without pictures of the heater in the report. Pictures should be added or describe the location of the heaters relative to other equipment.						Pictures added			
17	AWC-040 Question 2			The cracking either was present near the bolt holes or not. Need to be definitive. It may be worth locating the concrete drawings for this area. It is not uncommon for the DG to be on a foundation separate from the structure. This would make the visible cracks negligible.						Section reworded to more definitive answer.			
18	AWC-040 Question 3			A licensing basis evaluation (or condition report) needs to be conducted for this item. If has already been entered into the CAP process then simply add the CR number.					Based on judgment, this condition has been accepted by SWE.			SMM 10/16/12	
29	AWC-029 Need to identify the differen anchorage.					betwee	n mounti	ing and	Additional write-up added as suggested.			SMM 10/16/12	
Reviewed I	Reviewed By: Sh			vn McFarland	Da	ate:	11/12/12	Resolved By: Jason Pak / Chase Wi		arton			
Site/Depart	Site/Department:						I	Date:	11/12/	12			

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Entergy								Seismic Walkdown Submittal Report Review Comments and Resolutions Form							
Engineerin Report Nu	ıg	GGNS-CS-12-00002					Rev. 0	Title	Grand Gulf Nuclear Station Seismic Walkdown Submittal Report for Resolution of Fukushima Near-Term Task Force recommendation 2.3: Seismic						
Quality Related: Yes No							Special Notes or Instructions:								
Comment Number	Section	Section/Page No. Review Comment					· 			Respons		Reviewer's Accept Initials			
1	SWC/	AWC		None						N/A		1	N/A		
Reviewed By:		Doug	ug Jones				Date	11/12/12	Resolved By: Jason Pak / Chase W		Jason Pak / Chase Wharto	on			
Site/Department:					F	h.				Date:	11/12/	12			

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	77				Seismic Walkdown Submittal Report Review Comments and Resolutions Form									
	Enter	gy			Medical Committents and Mesonations Louin									
Engineering GGNS-CS- Report Number		12-00002		Rev. 0	Title	Grand Gulf Nuclear Station Seismic Walkdown Submittal Report for Resolution of Fukushima Near-Term Task Force recommendation 2.3: Seismic								
Quality Re	elated: [☐ Yes 🏻 🗵	No		Special Notes or Instructions:									
Comment Number	Section	n/Page No.	Review Comme	nt				Respons	Reviewer's Accept Initials					
1	SWEL		Remove multiple since the design			Incorpor								
2	SWEL			ce equipment attached to the Diesel and add the Diesel to SWEL 1 list.					ated					
3	SWEL	-	Revise safety significant functions on the SWEL 1 development list for equipment					Incorpor						
Reviewed By: Do			ig Jones			Date	11/13/12	Resolved By: Fred Hopkins		Fred Hopkins				
Site/Department:			1000000			•	Date:	11/13/	/12					

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Entergy							Seismic Walkdown Submittal Report Review Comments and Resolutions Form						
Engineering GO Report Number		GGNS	GGNS-CS-12-00002			Rev. 0	Title	Grand Gulf Nuclear Station Seismic Walkdown Submittal Report for Resolution of Fukushima Near-Term Task Force recommendation 2.3: Seismic					
Quality Related: Yes No						Spec	ial Notes	or Instruc	tions:	-			
Comment Number	Section	ction/Page No. Review Comment							Respons	se/Reso	Reviewer's Accept Initials		
1	SWEL	-		Revise safety significant functions on the SWEL 1 development list for equipment.					Done				
Reviewed By:			Robert Fuller				Date	11/13/12	Resolved By: Fred Hopkins		Fred Hopkins		
Site/Department:				Ph.				•	Date:	11/13/	12		

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Attachment I

SEISMIC WALKDOWN ENGINEER TRAINING CERTIFICATES

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Seismic Walkdown Engineers

Chase Wharton
Jason Pak
Fredrick Hopkins
Tori Robinson

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Excellence—Every project, Everyday

Certificate of Completion

Kyong S. (Jason) Pak

for successful completion of

TRAINING ON NEAR TERM TASK FORCE RECOMMENDATION 2.3 PLANT SEISMIC WALKDOWNS

Awarded: 7/11/2012 in Kennesaw, GA

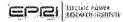
Kevin Bessell

Certified Seismic Walkdown Engineer

Palo Alto, CA - 6/13/2012

Kenneth Whitmore Certified Seismic Walkdown Engineer

Alexandria, VA - 6/20/2012



Fredrick Hopkins

Training on Near Term Task Force
Recommendation 2.3
- Plant Seismic Walkdowns

July 11, 2012

Osto

R.P. Kassanana

Robert K, Kassawara EPRI Manager, Structural Reliability & Integrity



Tori Robinson

Training on Near Term Task Force
Recommendation 2.3
- Plant Seismic Walkdowns

July 11, 2012

Date

R.P. Kassawana

Robert K. Kassawara EPRI Manager, Structural Reliability & Integrity

Engineering Report No. GGNS-CS-12-00002 Rev. 0 Attachment I Page 7 of 11

Seismic Walkdown Peer Reviewers Shawn McFarland



Shawn McFarland

Training on Near Term Task Force
Recommendation 2.3
- Plant Seismic Walkdowns

July 27, 2012

Date

R.P. Kassanana

EPRI Menager,
Structural Reliability & Integrit

Engineering Report No. GGNS-CS-12-00002 Rev. 0 Attachment I Page 9 of 11

EPRI-Qualified SWE Trainers Kevin Bessell

Ken Whitmore



Kevin Bessell

Training on Near Term Task Force
Recommendation 2.3
- Plant Seismic Walkdowns

June 13, 2012

Sentes

R.P. Kassanana

Robert K. Kassaware EPRI Marrager, Structural Reliability & Internity



Kenneth Whitmore

Training on Near Term Task Force Recommendation 2.3 - Plant Seismic Walkdowns

June 21, 2012

Date

R.P. Kassawana

EPRI Manager, Structural Reliability & Intentity

ATTACHMENT 2 GNRO-2012/00141 LIST OF REGULATORY COMMITMENTS