NJPR-12-0043

Sheet 1 of 3 Status: N U

RBSB-4

Area Walk-By Checklist (AWC) Assets: H21P614B	
Location: Bldg. <u>RB</u> Floor El. <u>540'-0"</u> Room, Area ¹ <u>A-02, Col. B-</u>	-9
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 contents.	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)? Observed anchorage is free of adverse conditions. 	Y⊠ N□ U□ N/A□
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? See above comment. 	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)? Overhead conduit and ducting are appropriately restrained.	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)? Equipment and lighting in the area was observed to be adequately spaced to avoid seismic spatial interactions.	Y⊠ N□ U□ N/A□
	MPS 10/3/12

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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Sheet 2 of 3 Status: N U

RBSB-4

Area Walk-By Checklist (AWC)

Assets	: H21P61	'4B					
Location	on: Bldg.	RB	Floor El.	<u>540'-0"</u>	Room, Areal A-02, Col. B-	.9	
5.	interactio	ns that could re no observ	cause floo	ding or spra	ally adverse seismic y in the area? that could result in flooding	YM N	U□ N/A□
6.	interaction	ppear that the ons that could re no observe	cause a fir	e in the area	•	Y⊠ N□	U□ N/A□
	interaction equipment shielding Near the nearby co- and will n	ons associated it, and tempo)? base of the a column by a contot impact ar	l with hous rary install asset, there and the safety rein the	ekeeping pr ations (e.g., are some gr e grates are lated equips	ally adverse seismic ractices, storage of portable scaffolding, lead rates that are tied off to a part of the ISFSI project ment. The E1102C002B related. (See Pictures 58	Y ⊠ N□	U□ N/A□
8.		affect the sa			mic conditions that could quipment in the area?	Y⊠' N□	U
Comm	ents (Add	itional pages 1	may be adde	d as necessar	у)		
	None.					,	

MPS 10/3/12

NJPR-12-0043

Sheet 3 of 3 Status: Y N U

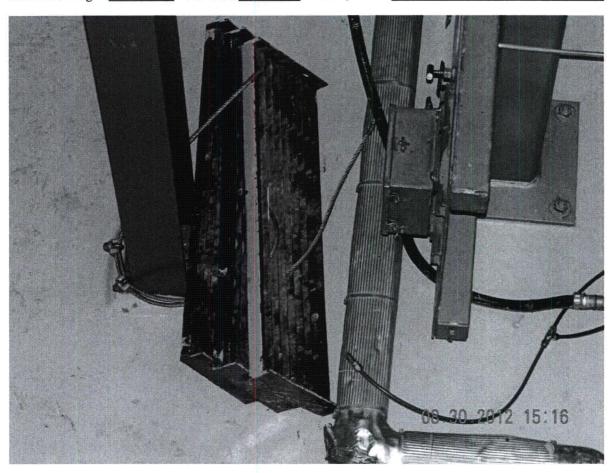
Area Walk-By Checklist (AWC) MEAR H21P614B	RBSB-4
Location: Bldg. Room, Area Floor El. 540'-2 Room, Area	A-02/col-B-9
Seismic Engineer Walkdown PSE-53Qualified Evaluator #1: MSP Sasse	Date: 9/13/12
☑ Seismic Engineer Walkdown PSE-53Qualified	
Evaluator #2: Scott Bauer	Date: 9/12/12

Location: Bldg. <u>RB</u> Floor El. <u>540'-0"</u> Room, Area <u>A-02 / Col. B-9</u>



(Picture 58)

Location: Bldg. <u>RB</u> Floor El. <u>540'-0"</u> Room, Area <u>A-02 / Col. B-9</u>



(Picture 82)

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Sheet 1 of 3 Status: Y N U

RBB-1

Area Walk-By Checklist (AWC) Assets: E2150F031A	100 1
Location: Bldg. RB Floor El. 568'-0" Room, Area A-08, Col. G	-15
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)? All nearby equipment is appropriately anchored. 	Y⊠ N□ U□ N/A□
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? No degradation observed. 	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)? All supports are adequate and properly anchored.	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)? The overhead lights are mounted with swivel mounts however, they have clearance such that they do not act as impact sources that could damage the asset or equipment	Y⊠ N□ U□ N/A□
	MPS 19/4/12

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.

NJPR-12-0043

Sheet 2 of 3 Status: (Y) N U

RBB-1

Area Walk-By Checklist (AWC)

Assets: E2150F031A	
Location: Bldg. <u>RB</u> Floor El. <u>568'-0"</u> Room, Area <u>A-08. Col. G</u>	7-15
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Nearby pipe valve is leaking (P1100F099D). It is not currently a source of potential spray or flooding. (See pictures 8 and 11.) CARD 12-26997 issued for this on 08/21/2012.	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? No fire hazards observed in the vicinity.	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□
Comments (Additional pages may be added as necessary)	
NONE DTL 10/12/12	

MPS 10/4/12

NJPR-12-0043

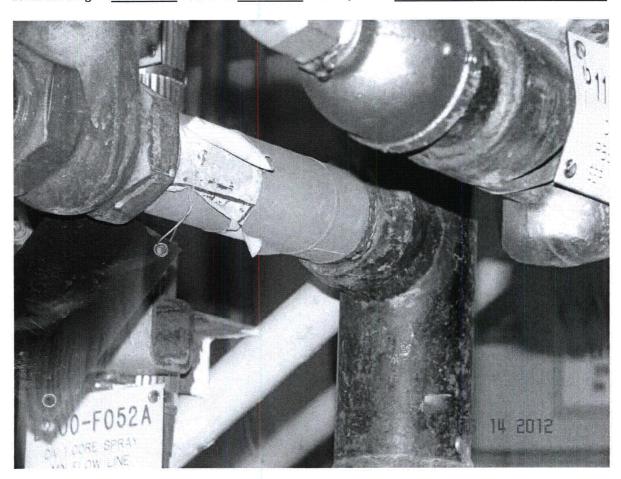
Sheet 3 of 3 Status: (Y) N U

RBB-1

Area Walk-By	Checklist	(AWC)
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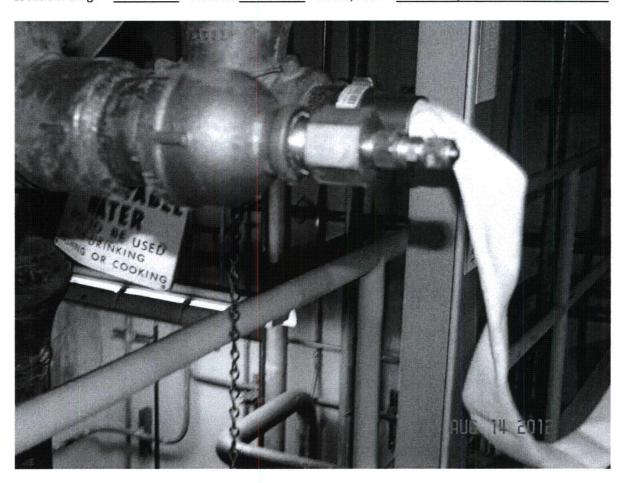
ASSETS: E2150F031A		
Location: Bldg. RB Floor El. 568'-0" Room, Area A-c	08, Col. G-1	5
Evaluator #1: MSP. Susso	Date: _	8/21/12
☐ Seismic Engineer Walkdown PSE-53Qualified ■ Comparison of the		
Evaluator #2: 18cott, Baner	Date:	8/21/12

Location: Bldg. RB Floor El. 568'-0" Room, Area A-08, Col. G-15



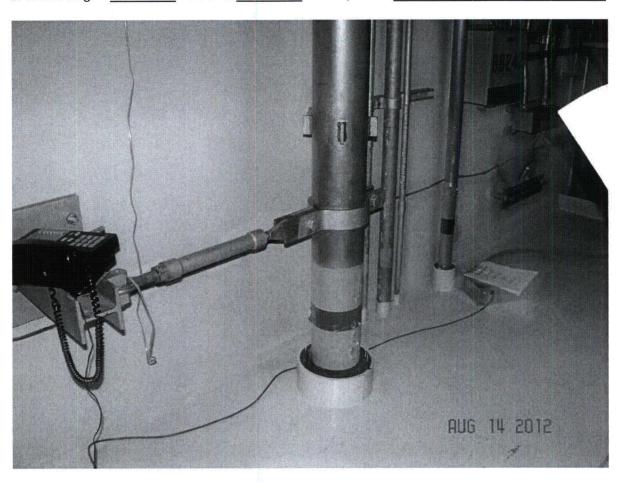
PICTURE #8

Location: Bldg. RB Floor El. 568'-0" Room, Area A-08, Col. G-15



PICTURE #11

Location: Bldg. <u>RB</u> Floor El. <u>568'-0"</u> Room, Area <u>A-08, Col. G-15</u>



PICTURE #15

NJPR-12-0043

Sheet 1 of 3 Status: Y N U

RBB-2

Area Walk-By Checklist (AWC) Assets: P50P402B	
Location: Bldg. RB Floor El. 540'-0" Room, Area G-12(area ne	ar P50P402B)
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 con	udgments and findings.
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Ladders to the north are not attached by wire to the wall supports. One piece of equipment (PIS 52002D002) to the SE has a vacant anchor hole. The corresponding Division 1 asset has an identical anchor arrangement and our judgment is that anchor is superfluous due to another anchor nearby. Note: Securing of the ladders with a cable is not required on a seismically designed wall mount per Spec. 3071-544 and drawing C-2585. Ok as is. (See Photo DSCO1174 and DSCO1178) 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? No degraded bolts.	YX NO UO N/AO
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)? All anchored adequately, cable tray > 35' away.	YM NO UO N/AO
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)? A column to the east serves as a protective barrier to any potential loose items or equipment that are beyond the column, though none were noted.	YX NO UO N/AO

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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Sheet 2 of 3 Status: Y N U

RBB-2

Area Walk-By Checklist (AWC)

Assets: P30P402	'B	<u>.</u>	
Location: Bldg.	<i>RB</i> Floor El. <i>540'-0"</i>	Room, Area ¹ G-12(area	near P50P402B)
interaction There is a need to be bolts are l	pear that the area is free of potentials that could cause flooding or sprain sprinkler system nearby that is in grelocated. It was observed that so toose. Operations was contacted to from water intrusion from the spring	y in the area? good shape that does not me of the asset's hatch tighten the bolts to seal	Y⊠ N□ U□ N/A□
interaction The sprink	pear that the area is free of potentials that could cause a fire in the area der system and fire extinguishers numbers are adequately restrained sureat.	? earby are mounted as	Y⊠ N□ U□ N/A□
interaction equipment shielding) Ladders to to the wall	pear that the area is free of potentials associated with housekeeping property, and temporary installations (e.g., e) the north not anchored properly (disapports. Note: Securing of the later Spec 3071-544 and drawing C-20	actices, storage of portable scaffolding, lead per MOP23) with cabling adders with cabling is not	Y⊠ N□ U□ N/A□
•	looked for and found no other seisn affect the safety functions of the eq		Y⊠ N□ U□
			MPS 10/5/12
Comments (Addit	tional pages may be added as necessar	y)	·
ALL DOCUME	NTS REFERENCED (LATEST RE	SUISION) WERE REVIE	WED

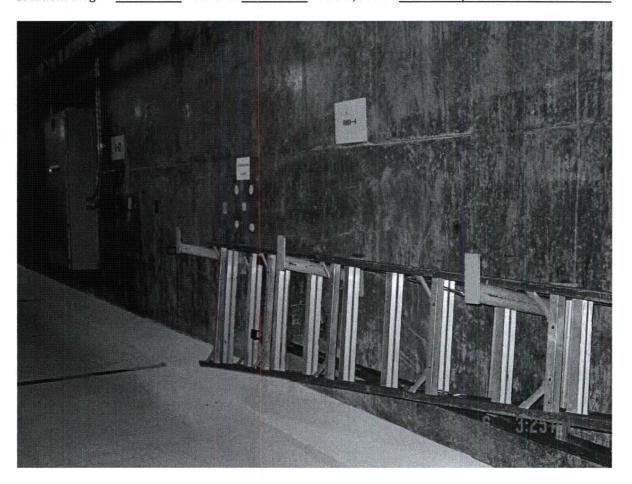
AND NO APPLICABLE POSTINGS WERE FOUND - DSK 10/12/12

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Sheet 3 of 3 Status: YN U

Area Walk-By Checklist (AWC)	RBB-2	
	COL. RM#B-04	
Location: Bldg. AB Floor El. 540'-0" Room, Area	G-12 (area near P50P402B)	_
Seismic Engineer Walkdown PSE-53Qualified Evaluator #1: Mill P. Dasso	Date: 8/10/12	_
☑ Seismic Engineer Walkdown PSE-53Qualified Evaluator #2: Scott Bauln	Date: 8/10/12	_

Location: Bldg. RB Floor El. 540'-0" Room, Area B-04 / Col. G-12



(DSC01174)

Location: Bldg. <u>RB</u> Floor El. <u>540'-0"</u> Room, Area <u>B-04 / Col. G-12</u>



(DSC01178)

NJPR-12-0043

Sheet 1 of 3 Status: Y W U

RB1-1

Locati	on: Bldg.	RB	Floor El.	583'-6"	Room, Area1	A-12, Col. D-	-10
Instru	ctions for	Completing	Checklist				***************************************
space l	below eac	h of the follo	wing questi	ons may be		the results of j	e or more SWEL items. The judgments and findings. mments.
1.	adverse s cabinets)	seismic condi	tions (if vis	ible withou	pear to be free on the free of		YM UU U/AU
2.	degraded	chorage of equitions? Solutions of the conditions of the conditio	-	• •	pear to be free o	f significant ,	YM NO UO N/AO
3.	raceways seismic c condition	and HVAC conditions (e., as of cable tra	ducting app g., condition ys appear t	ear to be from of support of be inside	do the cable/coree of potentially is is adequate an acceptable limit fuit are well sup	adverse nd fill s)?	YM N□ U□ N/A□
4.	interaction lighting)? There are and cannot	ons with other one ceiling to ot swing into	equipment les, with on equipment.	in the area ne exception . See CARL	ally adverse seis (e.g., ceiling til , lighting is wei) 12-26588 and side of MCC 72	les and I-supported photos of	Y DY UD N/AD ·

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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Sheet 2 of 3 Status: Y N U

RB1-1

	Walk-By Checklist (AWC) s: C1103D128, H21P010	
Locati	on: Bldg. <u>RB</u> Floor El. <u>583'-6"</u> Room, Area <u>A-12, Col. D</u>	-10
5.	Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? No sprinkler systems in overhead.	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? No combustibles in area.	YX NO UO N/AO
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)? No adverse conditions identified.	YN NO UO N/AO
		<u>-</u>
8.	Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? None were found.	YND UD

Broken cable on support for lighting near MCC 72E-5A was reported on CARD 12-26588 and will be tracked using CARD system as an open item until closed. (See Photos DSC00186 & 189)

Comments (Additional pages may be added as necessary)

NJPR-12-0043

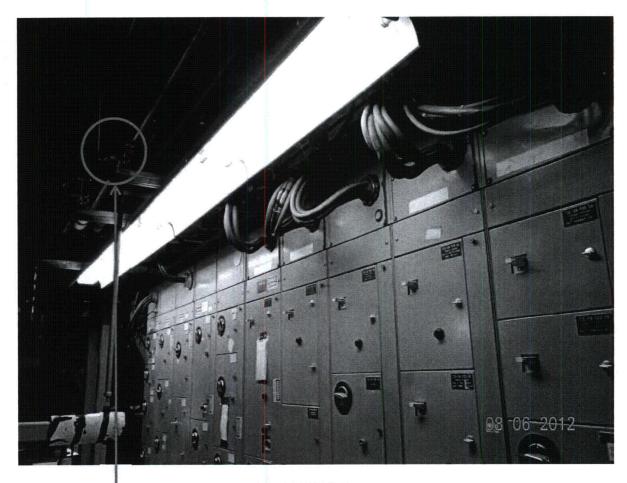
Sheet 3 of 3 Status: Y N U

RB1-1

Area Walk-By Che	cklist (AWC)
Assets: C1103D128,	H21P010

•					
Location: Bldg. RB	Floor El. <u>583'-6"</u>	Room, Area ^l A-12, Col	. D-10		
💢 Seismic E	Ingineer Walkdown PSE-	-53Qualified			
Evaluator #1:	medley		Date:	8/6/12	
\mathcal{O}	I				
📜 Seismic E	ngineer Walkdown PSE-	-53Qualified			
Evaluator #2 :		2 ،	Date:	12/06/12	
Dialuator #2.	<u> </u>				

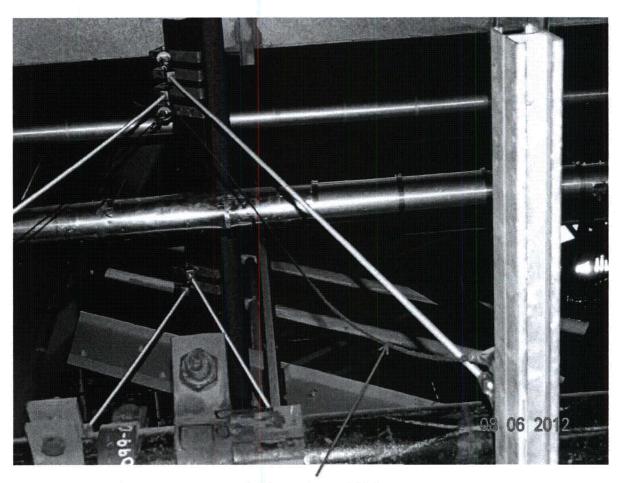
Location: Bldg. RB Floor El. 583'-6" Room, Area A-12 / Col. D-10



(DSC00186)

"Broken or Loose Cable"

Location: Bldg. RB Floor El. 583'-6" Room, Area A-12 / Col. D-10



"Broken or Loose Cable"

(DSC00189)

NJPR-12-0043

Sheet 1 of 3 Status: (Y) N U

RB1-2

Area Walk- Assets: C11	By Checklist (<i>F160B</i>	AWC)			
Location: B	ldg. RB	Floor El.	583'-6"	Room, Area ¹ A-12, Col. (<i>G-11</i>
This checklis space below	each of the follo	document twing question	ons may be u	f the Area Walk-By near or used to record the results of ist for documenting other c	
adver cabin <i>All a</i> r	se seismic conditets)?	tions (if visi s to be free	ble without of potentiall	ear to be free of potentially necessarily opening y adverse conditions. See	Y∭X N□ U□ N/A□
degra	ded conditions?			ear to be free of significant degraded conditions.	YX NO UO N/AO
racew seism condi	ays and HVAC of ic conditions (e.g	ducting appo g., condition ys appear to	ear to be free of supports be inside a	o the cable/conduit e of potentially adverse is adequate and fill ecceptable limits)?	YŊ N□ U□ N/A□
intera lighti No ce	ctions with other ng)?	equipment ing is well s	in the area (upported. A	ly adverse seismic spatial e.g., ceiling tiles and trea is free of potentially	YX NO UO N/AO

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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Sheet 2 of 3 Status: N U

RB1-2

Area Walk-By Checklist (AWC)

Assets: C11F160B	
Location: Bldg. RB Floor El. 583'-6" Room, Area A-12, Col. Co.	G-11
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? No threats in overhead areas that could cause flooding or spray.	YX N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No potentially adverse seismic interactions were identified that could cause a fire.	YX 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)? No seismic housekeeping, portable equipment or temporary installation issues were identified.	YM NO UO N/AO
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? No other seismic conditions identified.	YX ND UD
Comments (Additional pages may be added as necessary)	
William .	

See attached photo of general area DSC 00394.

NJPR-12-0043

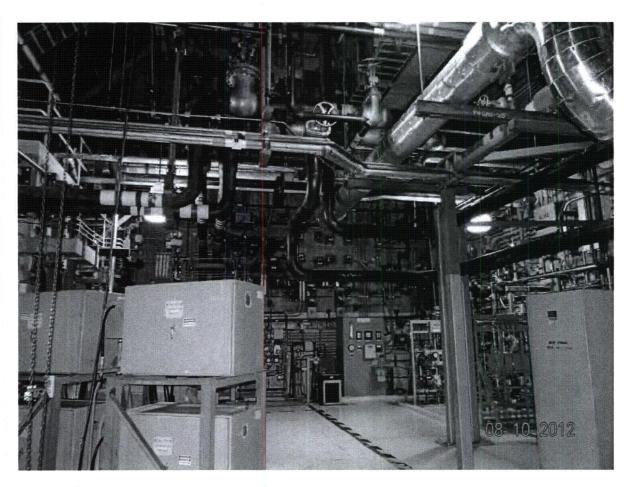
Sheet 3 of 3 Status: (Y) N U

RB1-2

Area \	Nalk-By	Checklist	(AWC)
--------	---------	-----------	-------

Assets: C11F160B				
Location: Bldg. RB	Floor El. <u>583?-6"</u>	Room, Area ¹ A-12, Col.	G-11	
Evaluator #1 :	Engineer Walkdown PSE-	53Qualified	Date:	08/06/17
🛚 Seismic	Engineer Walkdown PSE-	-53Qualified		
Evaluator #2 :	madhay		Date:	8/6/12

Location: Bldg. RB Floor El. 583'-6" Room, Area A-12 / Col. G-11



(DSC00394)

NJPR-12-0043

Sheet 1 of 3 Status: Y N U

RB1-3

Area Walk-By Checklist (AWC) Assets: C11F163A & C11F182A	
Location: Bldg. RB Floor El. 583'-6" Room, A	rea ¹ <u>A-12, Col. C-13</u>
Instructions for Completing Checklist This checklist may be used to document the results of the Area space below each of the following questions may be used to rec Additional space is provided at the end of this checklist for doc	cord the results of judgments and findings.
 Does anchorage of equipment in the area appear to be find adverse seismic conditions (if visible without necessaril cabinets)? All anchors in the area were observed to be intact and stightened. 	y opening
 Does anchorage of equipment in the area appear to be for degraded conditions? There is some rust in the 2nd anchor on the east side of the HCU's (C1103D059). This will not affect operability affect seismic functionality because the anchor is not significant. 	he north set of ty or adversely
3. Based on a visual inspection from the floor, do the cable raceways and HVAC ducting appear to be free of potent seismic conditions (e.g., condition of supports is adequated conditions of cable trays appear to be inside acceptable. There are no observed concerns with any of the nearby raceways and HVAC ducting, including their supports.	tially adverse ite and fill limits)?
4. Does it appear that the area is free of potentially adverse interactions with other equipment in the area (e.g., ceilir lighting)? There are no observed spatial interaction hazards associately overhead or nearby equipment.	ng tiles and

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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Sheet 2 of 3 Status: YN U

RB1-3

Area	Walk	-By C	heck	dist ((AWC)
Asset	s: <i>C1</i> .	1F163A	1 & C	11FI	182A

Location: E	Bldg, RB Floor El. 583'-6" Room, Area A-12, Col. C	-13
inter	s it appear that the area is free of potentially adverse seismic actions that could cause flooding or spray in the area? looding or spray hazards observed.	YM NO UO N/AO
inter	s it appear that the area is free of potentially adverse seismic actions that could cause a fire in the area? are hazards observed.	Y⊠ N□ U□ N/A□
inter equi _j shiel A trij appr Subn haza evali	is it appear that the area is free of potentially adverse seismic actions associated with housekeeping practices, storage of portable pment, and temporary installations (e.g., scaffolding, lead ding)? In hazard sign nearby is not restrained or anchored. It is soximately 4' tall but less than 2' from the HCU's (see picture B10). In itted to maintenance as a housekeeping issue on 8/16/12. The trip ard sign is very similar in size and shape to the RP stanchion wated in TE-A30-08-066. Therefore, it will not overturn during a mic event.	YM NO UO N/AO
adve	e you looked for and found no other seismic conditions that could rsely affect the safety functions of the equipment in the area? ther adverse seismic conditions identified.	Y ⊠ N□U□
Comments	(Additional pages may be added as necessary)	

MPS 10/3/12

NJPR-12-0043

Sheet 3 of 3 Status: (Y) N U

Area Walk-By Checklist (AWC)

Location: Bldg. RB Floor El. 1(583'6') Room, Area A-12, Col. C-13				
Evaluator #1: Mil P. Lasser	Date: <u>8 /21/12</u>			
☑ Seismic Engineer Walkdown PSE-53Qualified				
Evaluator #2: Scott fauer	Date: 8/21/12			

Location: Bldg. RB Floor El. 583'-6" Room, Area A-12 / Col. C-13



(Picture B6)

NJPR-12-0043

Sheet 1 of 3 Status: N U

RB1-4

Area Walk-By Checklist (AWC) Assets: E1150F016A and T49P400A	
Location: Bldg. <u>RB</u> Floor El. <u>583'-6"</u> Room, Area ¹ <u>A-12, Col. B</u>	-13
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 contents.	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)? There were no observed adverse seismic conditions associated with nearby anchorage. 	Y⊠ N□ U□ N/A□
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? No degraded conditions observed. 	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 no observed seismic concerns with any of the nearby cable/conduit raceways or HVAC ducting, including their supports. (See picture 7.)	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 no observed spatial interaction hazards with overhead or nearby equipment.	Y ⊠ N□ U□ N/A□
	MPS 10/4/12

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.

NJPR-12-0043

Sheet 2 of 3 Status: (Y) N U

RB1-4

Area Walk-By Checklist (AWC)

Assets: E1150F016A and T49P400A Room, Area 1 A-12, Col. B-13 Location: Bldg. RB Floor El. 583'-6" YM NU UU N/AU 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? No flooding or spray hazards observed. YX N□ U□ N/A□ 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No fire hazards observed. YM 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)? Area is clean and free of potentially adverse seismic conditions. 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? No other adverse seismic conditions were identified. Comments (Additional pages may be added as necessary)

MPS 10/4/12

NJPR-12-0043

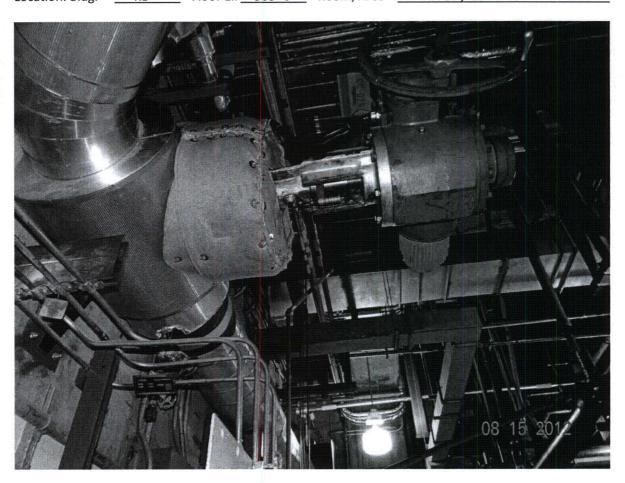
Sheet 3 of 3 Status: N U

RB1-4

Area Walk-By Checklist (AWC)

Location: Bldg. RB Floor El. 1(583'-6") Room, Area A-12, Col. B-13				
Seismic Engineer Walkdown PSE-53Qualified Evaluator #1: Mall P. Jasso	Date: _	8/16/12		
Seismic Engineer Walkdown PSE-53Qualified Evaluator #2: ACOTT A GODALINA	Date	8/16/12		

Location: Bldg. RB Floor El. 583'-6" Room, Area A-17 / Col. B-13



(Picture 7)

NJPR-12-0043

Sheet 1 of 3 Status: Y (N) U

RB1-5

Area Walk-By Chec Assets: P4400F603B	· · · · · · · · · · · · · · · · · · ·				
Location: Bldg. RB	Floor El.	583'-6"	Room, Area ¹	Room A-12,	Col. F-10
-	used to document e following questi	the results of	used to record	the results of	e or more SWEL items. The judgments and findings. mments.
cabinets)?	e of equipment in conditions (if vis	ible without			YEND UD N/AD
2. Does anchorage degraded condinates Anchorage is n	tions?	the area app	ear to be free o	f significant	YM N□ U□ N/A□
seismic conditions of conditions of conditions	nal inspection from IVAC ducting appons (e.g., conditionable trays appear to additions involving of	pear to be from n of support o be inside a	ee of potentially is is adequate ar acceptable limit	adverse nd fill s)?	YM N□ U□ N/A□
lighting)? A 3" keep-fill li in contact with Spray Line is la distance betwee significant velo pipe. Neverthe	that the area is free th other equipment ine to the Core Spiran adjacent handinger (heavier) that the two is not encity or impact forciless, a further evaluated. (Education (Education (Education))	t in the area ray Dischar rail. Becaus in the pipe in nough to per ces, the hand luation is co	(e.g., ceiling til ge Header was se the pipe in th n the handrail o rmit the develop drail will not do onsidered neces.	es and found to be e Core and the ement of any amage the sary.	YO NXUO N/AO

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.

NJPR-12-0043

Sheet 2 of 3 Status: Y N U

RB1-5

Area Walk-By Checklist (AWC) Assets: P4400F603B & P4400F601B

Location: Bldg. <u>RB Floor El. 583'-6" Room, Area Room A-12,</u>	Col. F-10				
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? No flooding concerns were identified.	YX NO UO N/AO				
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No conditions were identified that could cause a fire.	YX 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)? No seismic housekeeping concerns were identified.	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? No other seismic conditions were identified that could adversely affect equipment.	Y M N□ U□				
Comments (Additional pages may be added as necessary)					

NJPR-12-0043

Sheet 3 of 3 Status: Y (1) U

RB1-5

Area Walk-By Checklist (AWC) Assets: P4400F603B & P4400F601B Location: Bldg. RB Floor El. 583'-6" Room, Area Room A-12, Col. F-10

Location: Bldg. RB Floor El. 583'-6" Room, Area Room A-12, Col. F-10

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1: Date: OBCO 12

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2: Date: 8/6 12



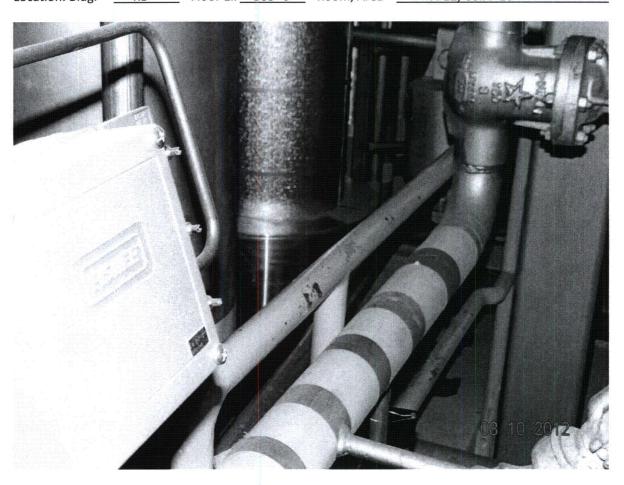
(DSC 00388)



(DSC 00389)



(DSC 00391)



(DSC 00393)

NJPR-12-0043

Sheet 1 of 3 Status: (Y) N U

RB1-6

	Walk-By Checkli s: <i>G4100F016</i>	st (AWC)			
Locati	ion: Bldg. RB	Floor El.	583'-6"	Room, Areal A-12, Col. A	-12
Instru	ictions for Comple	ting Checklist			
space	below each of the fo	ollowing quest	ions may be	of the Area Walk-By near on used to record the results of list for documenting other countries.	
1.	adverse seismic co cabinets)?	nditions (if vis	sible without	ear to be free of potentially necessarily opening intact and securely	Y⊠ N□ U□ N/A□
2.	Does anchorage of degraded condition No anchorage in the	ıs?		ear to be free of significant degraded.	Y⊠ N□ U□ N/A□
3.	seismic conditions conditions of cable	AC ducting app (e.g., condition trays appear the ducting in the d	pear to be fre n of support o be inside a	e of potentially adverse s is adequate and fill	Y⊠ N□ U□ N/A□
4.	interactions with o lighting)? There is a bulb val that is adjacent to a fairly thin valve of	ther equipmen ve in the vicin T8000F098, a connection. Ti	t in the area ity, with a ro nd it is attac he bulb valve	ally adverse seismic spatial (e.g., ceiling tiles and and inserted into the bottom hed to its piping system via is II/I and is not an oment in the area. (See	Y⊠ N□ U□ N/A□

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.

NJPR-12-0043

Sheet 2 of 3 Status: Y N U

RB1-6

Area Walk-By Checklist (AWC)

Asset	s: G4100F016	
Locati	on: Bldg. <u>RB</u> Floor El. <u>583'-6"</u> Room, Area <u>A-12, Col. A-</u>	12
5.	Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? There was no observed flooding or spray hazards.	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 were no observed fire hazards.	YØ 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)? The asset is surrounded by lead blankets and radiation caution signs. The latter are chained to the lead blanket supports and to each other, so they are appropriately restrained. (See Picture 1.)	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? None identified.	YS/NO UO
Comn	nents (Additional pages may be added as necessary)	
	None.	

MPS 10/4/12

NJPR-12-0043

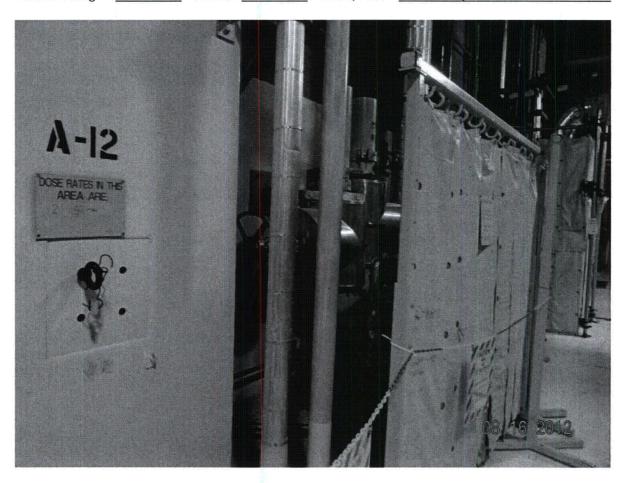
Sheet 3 of 3 Status: N U

RB1-6

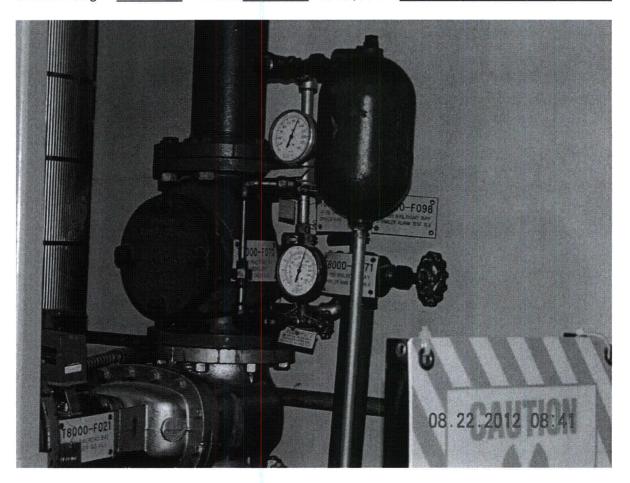
Area	waik-By	Checklist (AWC)

ASSETS: G4100F016	
Location: Bldg. RB Floor El. 583'-6" Room, Area A	-12, Col. A-12
Seismic Engineer Walkdown PSE-53Qualified	
Evaluator #1: My P. Sassu	Date: <u>8/24/12</u>
■ Seismic Engineer Walkdown PSE-53Qualified	
Evaluator #2: Scott Barrer	Date: 8/24/12

Location: Bldg. <u>RB</u> Floor El. <u>583'-6"</u> Room, Area <u>A-12 / Col. A-12</u>



(Picture 1)



(Picture 44)

NJPR-12-0043

Sheet 1 of 3 Status: N U

RB2-1

Area Walk-By Checklist (AWC) Assets: C4104F004A & H21P632			
Location: Bldg. RB Floor El. 613'-6" Room, Area A-17, Col. C-	11		
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)? Items were reviewed such as cable trays, pipe hangers, conduit and unistruts. The equipment anchorage was adequate. 	YM N□ U□ N/A□		
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? See above. 	YM 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)? Raceways were evaluated from the catwalk (See picture 4).	YX 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 is a 2"±diameter pipe within approx. 2" of the asset's pipe insulation. The 2" pipe is restrained from movement in the asset pipe direction by nearby lateral pipe restraints. Configuration is judged acceptable.	YX N U U N/A		
	MPS 10/3/12		

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.

NJPR-12-0043

Sheet 2 of 3 Status: N U

RB2-1

Area	Walk-By	Checklist	(AWC)
A cco	to · C/10/F	0011 & HO	1P632

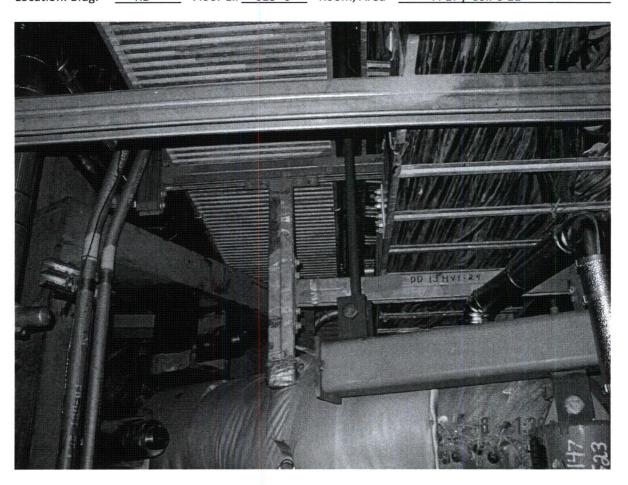
Asset	S. C4104F004A & H21F032	
Locat	on: Bldg. RB Floor El. 613'-6" Room, Area A-17, Col. C	-11
5.	Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? The asset is near the ceiling of the Reactor Building second floor.	YX N□ 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? The asset is wrapped in insulation. There are no observed fire hazards 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)? Nothing of this nature is near the catwalk.	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? No other adverse seismic conditions were identified.	Y⊠ N□ U□
Comr	nents (Additional pages may be added as necessary)	

MPS 10/3/12

NJPR-12-0043

Sheet 3 of 3 Status: (Y) N U

Area Walk-By Checklist (AWC)	RBSB-3
mps (uroagy) 9/19/12	
Location: Bldg. ABRB Floor El. 540'0" Room, Area HPC) Room	
Evaluator #1: Michael P. Dasse Date:	8/8/12
☑ Seismic Engineer Walkdown PSE-53Qualified	
Evaluator #2: Scott Baule Date:	8/8/12



(Picture 4)

NJPR-12-0043

Sheet 1 of 3 Status: (Y) N U

	KD2-2
Area Walk-By Checklist (AWC) Assets: E1150F068A	
Location: Bldg. <u>RB</u> Floor El. <u>613'-6"</u> Room, Area <u>A-22N, C</u>	ol. C-17
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 potential adverse seismic conditions (if visible without necessarily opening cabinets)? All anchors in the area were observed to be intact and securely tightened. 	ly Y⊠ N□ U□ N/A□
2. Does anchorage of equipment in the area appear to be free of significa degraded conditions? No degraded conditions were observed in the anchorage in the vicinity	
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)? Cable/conduit and HVAC ducts are adequately mounted and free of potentially adverse seismic conditions. (See picture 10.)	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 no observed spatial interaction hazards associated with overhead or nearby equipment. Note that the asset was more than 6" away from any SSC.	al Y∭X N□U□N/A□

MPS 10/4/12.

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.

NJPR-12-0043

Sheet 2 of 3 Status: (Y) N U

RB2-2

Area Walk-By Checklist (AWC) Assets: E1150E0684

Assets. E11301'000A			
Location: Bldg. <u>RB</u> Floor El. <u>613'-6"</u> Room, Area <u>A-22N, Col.</u>	C-17		
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? No flooding or spray hazards observed.	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? No fire hazards observed.	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)? There were no observed housekeeping concerns or portable equipment or temporary installations.	YM 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? No other adverse seismic conditions were identified.	YM NO UO		
Comments (Additional pages may be added as necessary)			

It was found that there are cracks in the concrete ceiling above the asset. This concern has been forwarded to Engineering for further evaluation (8/23/12)

Engineering has evaluated this concern and has determined that this is an acceptable condition and exists throughout the plant. (8/23/12)

MPS 10/4/12

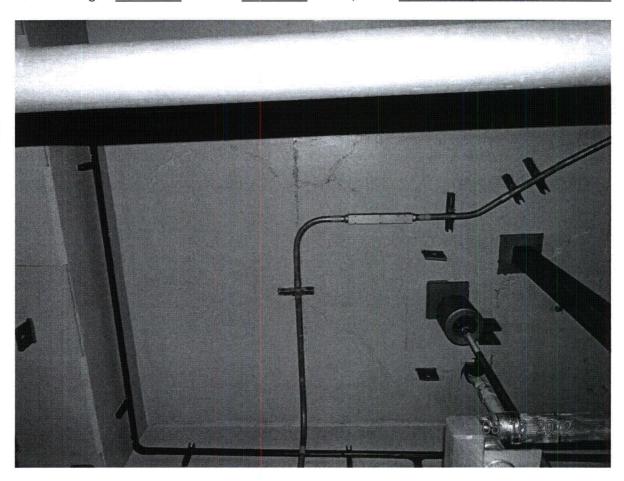
NJPR-12-0043

Sheet 3 of 3 Status: (Y) N U

RB2-2

Area Walk-By	Checklist (AWC)
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ASSETS: E1150F068A		
Location: Bldg. RB Floor El. 2(613'-6") Room, Area L	A-22N, Col.C	-17
Seismic Engineer Walkdown PSE-53 Qualified Evaluator #1: Mild Susse	Date: _	8/16/12
☑ Seismic Engineer Walkdown PSE-53 Qualified		
Evaluator #2: Scott Danen	Date:	8/16/12



(Picture 10)

NJPR-12-0043

Sheet 1 of 3 Status: N U

RB2-3

Area Walk-By Checklist (AWC) Assets: H21P448 & P44K400B	1.02.0
Location: Bldg. <u>RB</u> Floor El. <u>613'-6"</u> Room, Area <u>A-17, Col. D</u>	-10
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)? Equipment anchorage is adequate. 	YA UU U/A
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? No degraded conditions identified. (see Photo DSC00300) 	YY 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)? No HVAC duct in area. Conduit and cable trays are adequately supported (see Photos DSC00290 & 00292).	YA NO UO N/AO
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)? No ceiling tiles in the area. Light fixtures are not located where they could impact equipment if their supports failed.	YX NO UO N/AO

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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Sheet 2 of 3 Status: Y N U

RB2-3

Area Walk-By Checklist (AWC)

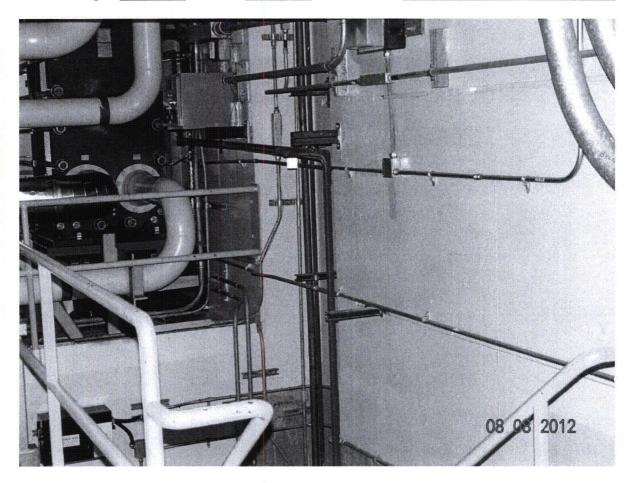
Assets: 1	H21P448 & P44K400)B		
Location	Bldg. <u>RB</u>	Floor El. 613'-6"	Room, Area ¹ A-17, Col. D	-10
in		area is free of potentia cause flooding or spray		YX NU UU N/AU
in		area is free of potentia cause a fire in the area		YX NO UO N/AO
in ec sh	teractions associated	rary installations (e.g.,	ectices, storage of portable	YX NO UO N/AO
ac		nd found no other seisn fety functions of the eq	nic conditions that could uipment in the area?	YŊ N□ U□
Commen	its (Additional pages m	nay be added as necessary	")	
None				

NJPR-12-0043

Sheet 3 of 3 Status: (Y) N U

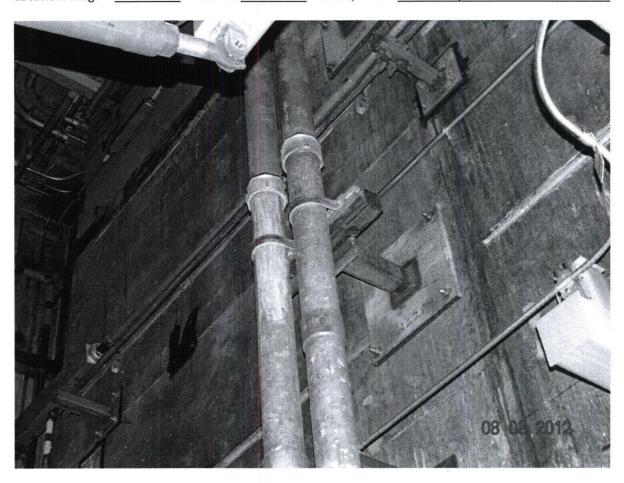
RB2-3

Area Walk-By Checklist (AWC)



(DSC 00290)

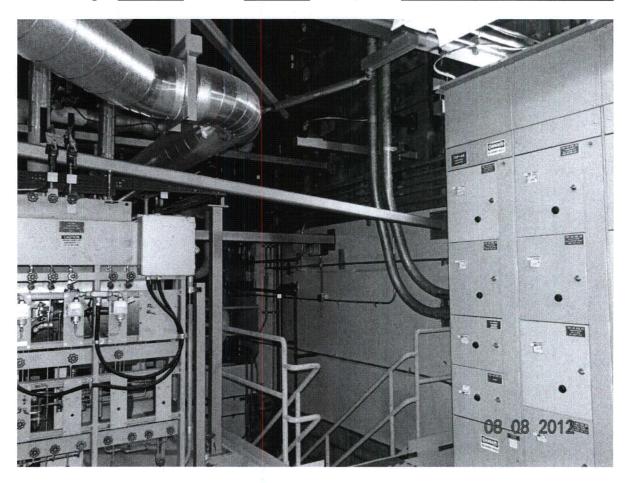
Conduits Attached to Wall



(DSC 00292)

Heavy-Duty Conduit Supports

Location: Bldg. <u>RB</u> Floor El. <u>613'-6"</u> Room, Area <u>A-17, Col. D-10</u>



(DSC 00300)

Overview of the Area

NJPR-12-0043

Sheet 1 of 3
Status: N U

RB2-4

Area Walk-By Checklist (AWC) Assets: P4400B001B	
Location: Bldg. RB Floor El. 613'-6" Room, Area A-17A, Co	l. E-9
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 potentiall adverse seismic conditions (if visible without necessarily opening cabinets)? All nearby equipment is well supported. 	y YM NO UO N/AO
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? Surface oxidation on anchors is minor and acceptable. No other adverse conditions were identified. 	t Y X NO UO N/AO
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)? All commodities are adequately supported. (See Photos DSCN0028 & 0029)	YM NO UO N/AO
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)? No ceiling tiles in area. No adverse spatial interactions were identified.	

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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Sheet 2 of 3 Status: (Y), N U

RB2-4

Area Walk-By Checklist (AWC)

Assets: P4400B001B	
Location: Bldg. <u>RB</u> Floor El. <u>613'-6"</u> Room, Area ¹ <u>A-17A, Col.</u>	E-9.
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? None identified.	YÅY □□ □N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No combustibles in area. Compressed gas cylinders contain nitrogen, a noncombustible gas.	YK 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)? No housekeeping concerns were identified.	YA NO UO N/AO
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? No other seismic conditions found.	YX NO UO
Comments (Additional pages may be added as necessary)	
None.	

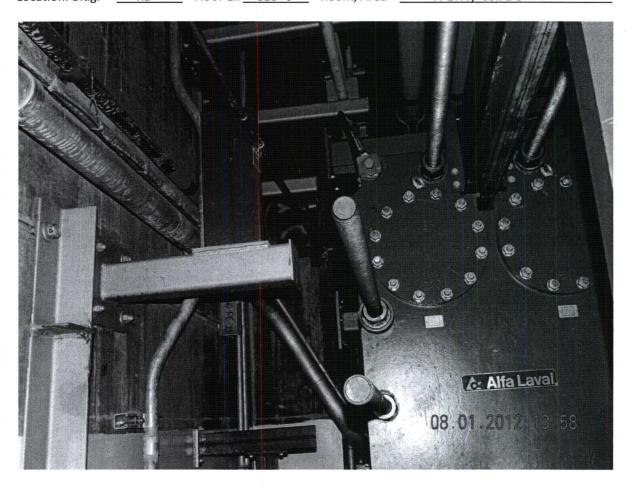
NJPR-12-0043

Sheet 3 of 3 Status: N U

RB2-4

Area Walk-By Checklist (AWC)

Assets: P4400B001B				•
Location: Bldg. RB	Floor El. <u>613'-6"</u>	Room, Area ¹ A-17A, Col. E	E-9	
⊠ Seismic Eng Evaluator #1:	rineer Walkdown PSE-	_	Date:	8/8/12
				
Seismic Eng	gineer Walkdown PSE-	53Qualified		
Evaluator #2 :			Date:	08/08/12



(DSCN 0028)

Location: Bldg. <u>RB</u> Floor El. <u>613'-6"</u> Room, Area <u>A-17A / Col. E-9</u>



(DSCN 0029)

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Sheet 1 of 3 Status: Y N U

RB2-5

	Walk-By Checkli s <i>: P4400B001C, P4</i>	st (AWC) 4N401A & P44F400A		
Locati	ion: Bldg. <u>RB</u>	Floor El. 613'-6"	_ Room, Area ¹ A-17, Col. A.	/B – 11/14
This c	below each of the fo	d to document the results ollowing questions may b	of the Area Walk-By near one e used to record the results of klist for documenting other co	judgments and findings.
1.	adverse seismic co cabinets)? Anchorage of equi	f equipment in the area appointaitions (if visible without pment in the area is free those 006, 007 & 009 of the	of adverse seismic	YM NO UO N/AO
2.	degraded condition		pear to be free of significant	YX NO UO N/AO
3.	raceways and HVA seismic conditions conditions of cable Cable/conduit race	(e.g., condition of support e trays appear to be inside	ree of potentially adverse rts is adequate and fill acceptable limits)? aported. No HVAC or cable	YX UU UI N/AU
4.		the area is free of potent ther equipment in the are	ially adverse seismic spatial a (e.g., ceiling tiles and	ND UD N/AD

No ceiling tiles in the area. Lights are adequately supported, thus area

is free of seismic spatial interactions.

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.

NJPR-12-0043

Sheet 2 of 3 Status: N U

RB2-5

Area Walk-By Checklist (AWC)

A

Locati	on: Bldg. RB Floor El. 613'-6" Room, Area A-17, Col. A	/B – 11/14
5.	Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? The area has piping which is adequately supported & free of potentially adverse seismic interactions. No cause for flooding or spray.	YX UU UN/AU
6.	Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No combustible material identified in the area.	YX NO UO N/AO
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)? The area is free of adverse seismic interactions. There are no temporary installations and there is no portable equipment in the area. Overall area is in clean condition.	YM 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? None identified	YX NO UO
Comn	nents (Additional pages may be added as necessary)	

NJPR-12-0043

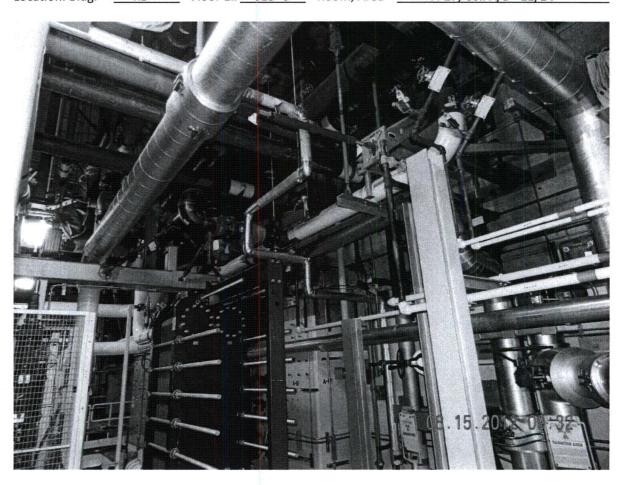
Sheet 3 of 3 Status: (Y) N U

RB2-5

Area W	lalk-By	Checklist	(AWC)
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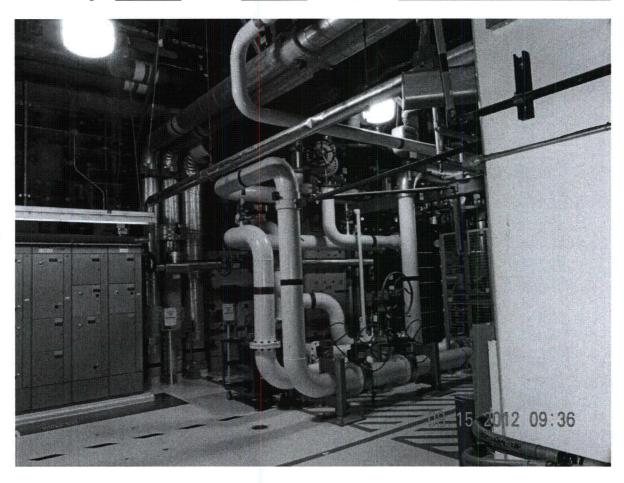
Assets: P4400B001C, P44N401A & P44F400A		
Location: Bldg. <u>RB</u> Floor El. <u>613'-6"</u> Room, Area <u>A-17, Col. A</u>	/B – 11/1	14
⊠ Seismic Engineer Walkdown PSE-53Qualified		
Evaluator #1: 2 Pomerley	Date:	8/15/12
		, .
Seismic Engineer Walkdown PSE-53Qualified		
Evaluator #2 :	Date:	08/15/12

Location: Bldg. <u>RB</u> Floor El. <u>613'-6"</u> Room, Area <u>A-17, Col. A/B - 11/14</u>



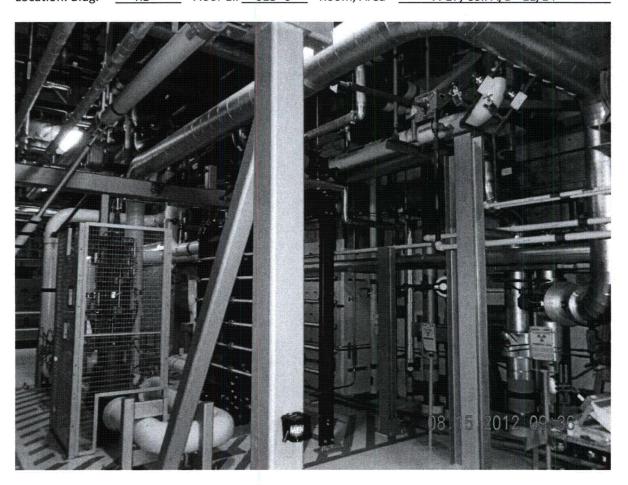
(Photo 006)

Location: Bldg. <u>RB</u> Floor El. <u>613'-6"</u> Room, Area <u>A-17, Col. A/B - 11/14</u>



(Photo 007)

Location: Bldg. <u>RB</u> Floor El. <u>613'-6"</u> Room, Area <u>A-17, Col. A/B - 11/14</u>



(Photo 009)

NJPR-12-0043

Sheet 1 of 3 Status:

N U

RB2-6

Area Walk-By Checklist (AWC)	
Assets: P4400C001A, P44F402A, P44P403A	

Locati	on: Bldg. <u>RB</u>	Floor El.	613'-6"	Room, Area1	A-17, Col. A	'B – 13/15	
This cl space l	ctions for Completing necklist may be used to below each of the follow onal space is provided	document of docume	ons may be	used to record	the results of	judgments and	
1.	Does anchorage of equadverse seismic condicabinets)? Overall area is clean. seismically acceptable	tions (if visi Equipment	ible without	necessarily op	ening	Y⊠ N□ U	□ N/A□
2.	Does anchorage of equipment degraded conditions? No degraded conditions			ear to be free o	of significant	YI NO U	□ N/A□
3.	Based on a visual inspraceways and HVAC eseismic conditions (e.g. conditions of cable tra Cable/conduit raceway in this area.	ducting appog., condition ys appear to	ear to be free n of supports o be inside a	e of potentially is adequate an oceptable limi	y adverse nd fill ts)?	YM NO U	□ N/A□
4.	Does it appear that the interactions with other lighting)? No ceiling tiles. Light.	equipment	in the area (e.g., ceiling ti		YM NO UC] 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.

NJPR-12-0043

Sheet 2 of 3 Status: Y N U

RB2-6

Area Walk-By Checklist (AWC)

Assets: P4400C001A, P44F402A, P44P403A	
Location: Bldg. <u>RB</u> Floor El. <u>613'-6"</u> Room, Area ¹ <u>A-17, Col. A</u>	/B – 13/15
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Area has floor drains. Equipment, piping, tanks, panels are adequately supported and free of potentially adverse seismic interactions (see Photo 018.JPG). Flooding/water spray are not a concern.	YE NO UO N/AO
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No combustible or flammable material found in this area.	YE NO UO N/AO
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)? None identified during this Area Walk-By.	YD NO UO N/AO
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? No other seismic conditions found that could adversely affect the safety function of equipment in this area.	YZ N U
Comments (Additional pages may be added as necessary)	

This Area Walk-By applies to assets# P4400C001A, P44F402A and P44P403 in the vicinity of Col. Lines A/B and 13/15.

NJPR-12-0043

Sheet 3 of 3 Status: Y N U

RB2-6

Area	Walk-By Chec	klist (AWC	;)
A 000	+a. DAA00C001A	DAAFAO2A	DAADAOSA

Assets: P4400C001A, P44	4F4U2A, F44F4U3A		
Location: Bldg. RB	Floor El. <u>613'-6"</u> Room, Area A-17.	Col. A/B – 13/1.	5
🛚 Seismic I	Engineer Walkdown PSE-53 Qualified		
Evaluator #1:	madery	Date: _	8-16-12
Seismic I	Engineer Walkdown PSE-53 Qualified		
Evaluator #2:	<u> </u>	Date:	08/16/02
7.1	Y		· •

Location: Bldg. <u>RB</u> Floor El. <u>613'-6"</u> Room, Area <u>A-17, Col. A/B – 13/15</u>



(018.JPG)

NJPR-12-0043

Sheet 1 of 3 Status: (Y), N U

RB2-7

	By Checklist (AWC) 00B035 & P44F402B	
Location: Blo	dg. RB Floor El. 613'-6" Room, Area A-17A, Col.	E-10
This checklist space below e	for Completing Checklist t may be used to document the results of the Area Walk-By near on each of the following questions may be used to record the results of ace is provided at the end of this checklist for documenting other co	judgments and findings.
advers cabine <i>Overh</i> <i>durin</i> g	anchorage of equipment in the area appear to be free of potentially se seismic conditions (if visible without necessarily opening ets)? nead piping is well supported. This would be the principal concern as a seismic event since it represents the majority of "equipment" area. (See Photos DSC00307 & DSC00312)	YM NO UO N/AO
degrad	anchorage of equipment in the area appear to be free of significant ded conditions? graded conditions identified.	YX NO UO N/AO
racewa seismi condit	on a visual inspection from the floor, do the cable/conduit ays and HVAC ducting appear to be free of potentially adverse ic conditions (e.g., condition of supports is adequate and fill tions of cable trays appear to be inside acceptable limits)? C. & Multi-Tier cable trays are adequately supported.	YN UU N/AU
interac lightin	it appear that the area is free of potentially adverse seismic spatial ctions with other equipment in the area (e.g., ceiling tiles and ag)? iling tiles in this area. Lighting is adequately supported.	YX NO UO N/AO

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.

NJPR-12-0043

Sheet 2 of 3 Status: N U

RB2-7

Area Walk-By Checklist (AWC)

E-10 YX ND UD N/AD YX ND UD N/AD
YX N□ U□ N/A□
YM NO UO N/AO
* • • • • • • • • • • • • • • • • • • •
y⊠ n□ n□

NJPR-12-0043

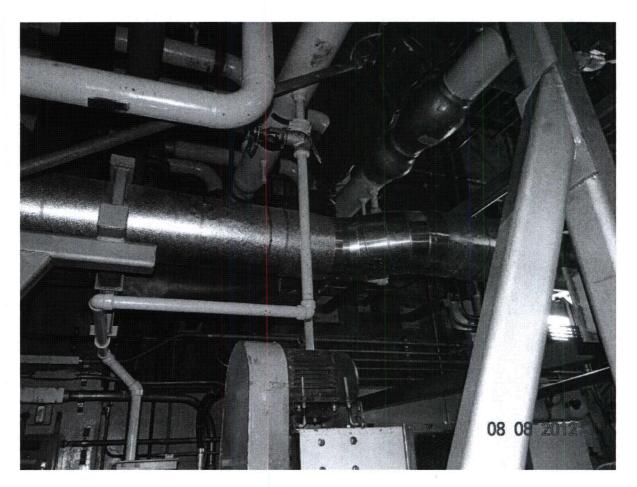
Sheet 3 of 3 Status: V N U

RB2-7

Area Walk-By Checklist (AWC)
Assets: T4100B035 & P44F402B

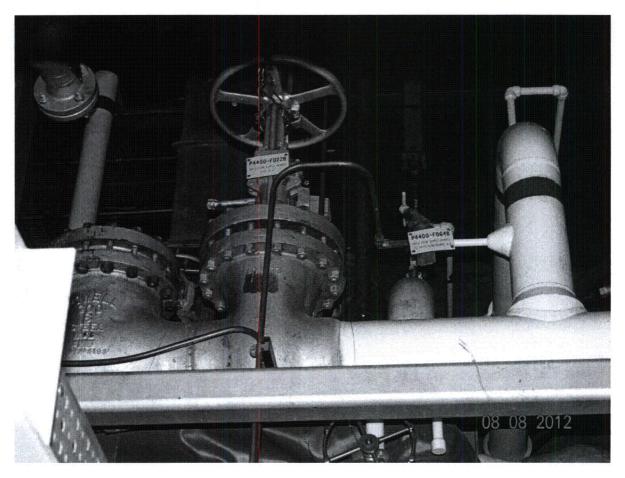
Location: Bldg. RB Floor El. 613'-6" Room, Area A-17A.	Col. E-10	
Seismic Engineer Walkdown PSE-53Qualified	ъ.	alala
Evaluator #1: Smethor	Date:	8 8 12
■ Seismic Engineer Walkdown PSE-53Qualified		
Evaluator #2:	Date:	08/08/12

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17A, Col. E-10



(DSC00307)

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17A, Col. E-10



(DSC00312)

NJPR-12-0043

Area Walk-By Checklist (AWC)

Sheet 1 of 3 Status: (Y) N U

RB2-8

Assets	s: T50F450			
Locati	on: Bldg. <u>RB</u>	Floor El. <u>613'-6"</u>	Room, Area ¹ A-17, Col. B	2-12
This cl	below each of the	ed to document the result following questions may	ts of the Area Walk-By near on be used to record the results of ecklist for documenting other c	judgments and findings.
1.	adverse seismic c cabinets)? All equipment in	conditions (if visible with	restrained from movement	YM NO UO N/AO
2.	degraded condition		appear to be free of significant	Y⊠ N□ U□ N/A□
3.	Based on a visual	inspection from the floo	r. do the cable/conduit	YX NO UO NAO

conditions of cable trays appear to be inside acceptable limits)?

Pipe, conduits, and ducts in the vicinity are appropriately anchored to the ceiling via tension rods, braced against lateral movement via struts, and/or anchored to the floor. The cable trays are not in a position to affect the asset.

raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill



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)?

Many lights are suspended from the ceiling by tension rods. These can swing during a seismic event, but their anchorage will prevent them from falling. The swing radius will not affect the asset.

mps 10/3/12

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.

NJPR-12-0043

Sheet 2 of 3 Status: Y N U

RB2-8

Area Walk-By Checklist (AWC)

Assets: T50F450	
Location: Bldg. <u>RB</u> Floor El. <u>613'-6"</u> Room, Area ¹ <u>A-17, Col. B-</u>	-12
 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? There are no items in the vicinity that could cause a flooding or spray hazard. 	YX 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 no items in the vicinity that could cause a fire hazard. Cylinders nearby contain non-flammable gas.	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)? There is a portable storage cabinet on the other side of a large concrete column. This column will protect the asset from the cabinet, which is restrained by a cable. See pictures B4 and B5. There are no housekeeping concerns.	YMÓN□ 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? No other adverse conditions identified.	Y ⊠ N□ U□
Comments (Additional pages may be added as necessary)	
None.	

MPS 10/3/12

NJPR-12-0043

Sheet 3 of 3 Status: (Y) N U

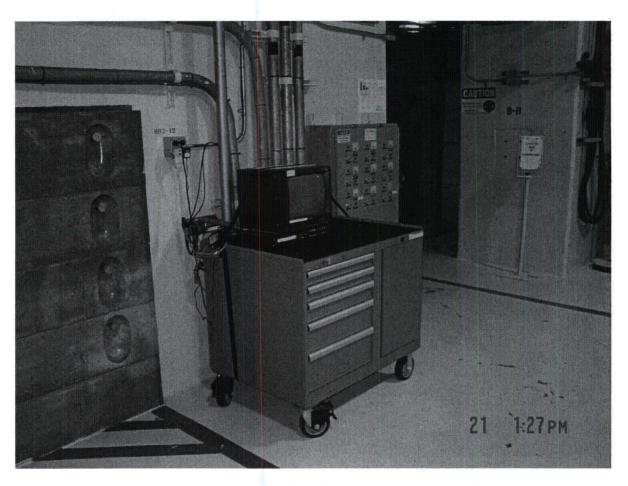
Area Walk-By Checklist (AWC) A seets: T50F450	RE	32-8
Location: Bldg. RB Floor El. 613'6" Room, Area 1	A-17 (area nea	r T50F450)
Seismic Engineer Walkdown PSE-53Qualified Evaluator #1: Mil P. Dasso	Col. B-12 Date:	8/10/12.
Seismic Engineer Walkdown PSE-53Qualified Evaluator #2: Scott Gumen	Date:	8/10/12

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17, Col. B-12



Picture B4

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17, Col. B-12



Picture B4

NJPR-12-0043

Area Walk-By Checklist (AWC)

Sheet 1 of 3 Status: Y N U

RB3-1

Assets: T4600F407			
Taradian Dida DD	Tl Tl (41) ("	D	

Locatio	n: Bldg.	<u>RB</u>	Floor El.	<u>641'-6"</u>	Room, Area	a¹ <u>Roc</u>	om A-24, (Col. F-13		
his che	ecklist m elow eacl	Completing ay be used to h of the follow is provided a	document ving questi	ons may be	used to recor	d the	results of	judgments		
	adverse s cabinets) All ancho	chorage of equiveismic conditers? Orage appears as (see Photos	ions (if vis to be free	ible without of potential	necessarily of the second seco	openin ismic	ıg	YX N	U□ N	[/A□
•	degraded	chorage of equ conditions? The degraded co		the area app	ear to be free	of sig	nificant	Х <mark>Ж</mark> й□	U□ N	//A□
1 5 (raceways seismic c condition HVAC an	a visual inspectant HVAC descriptions (e.g. as of cable trays and cable trays conditions (see	lucting app c., condition ys appear to are adequa	ear to be free free free free free free free f	ee of potentia s is adequate acceptable lin ted and free	lly adv and fi nits)?	verse 1	YM N	U N	// A □
i 1	nteractionighting)?	ppear that the ons with other	equipment	in the area	(e.g., ceiling	tiles a		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.

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Sheet 2 of 3 Status: Y N U

RB3-1

Area Walk-By Checklist (AWC)

<u>Comments</u> (Additional pages may be added as necessary)

Assets: T4600F407	
Location: Bldg. <u>RB</u> Floor El. <u>641'-6"</u> Room, Area Room A-24, 6	Col. F-13
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? No sources of flooding or water spray in the area. No sprinkler system only detectors.	YXNO UO N/AO
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? No concern of fire in the area.	YX NO UO N/AO
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)? No concern with housekeeping issues.	YM NO UO N/AO
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? No other adverse conditions identified.	YZ NO UO

NJPR-12-0043

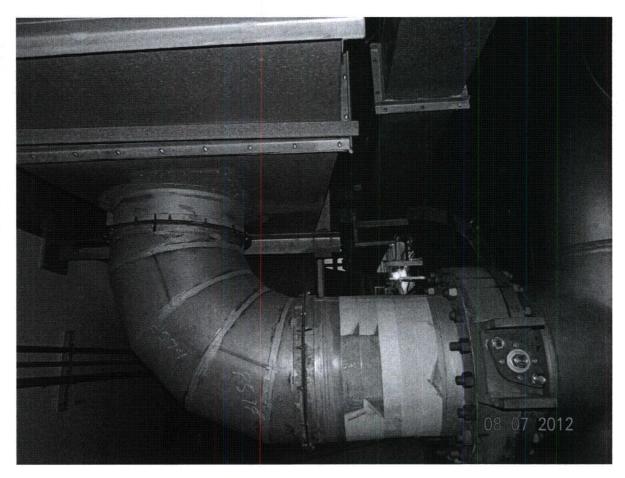
Sheet 3 of 3 Status: N U

RB3-1

Area Walk-By Checklist (AWC)

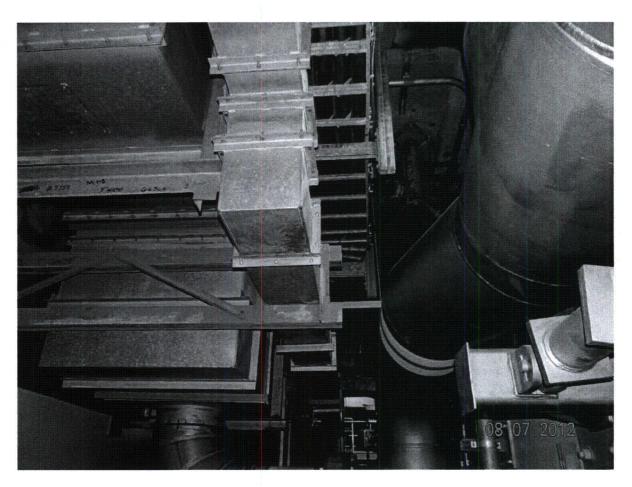
Assets: T4600F407			
Location: Bldg. RB	Floor El. 641'-6"	Room, Area ¹ Room A-24,	Col. F-13
💢 Seismic E	ngineer Walkdown PSE	-53Qualified	
Evaluator #1 :	medery		Date: 8 7 12.
	,		
Seismic E	ngineer Walkdown PSE	-53Qualified	. .
Evaluator #2 :			Date: 08/07/12

Location: Bldg. <u>RB</u> Floor El. <u>641'-6"</u> Room, Area <u>A-24, Col. F-13</u>



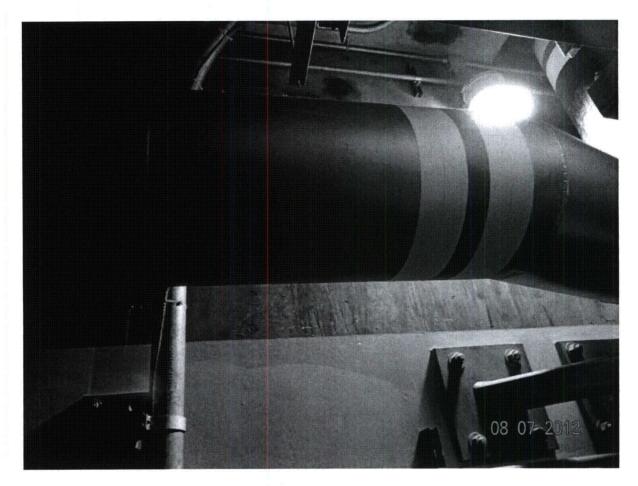
(DSC00224)

Location: Bldg. <u>RB</u> Floor El. <u>641'-6"</u> Room, Area <u>A-24, Col. F-13</u>



(DSC00225)

Location: Bldg. <u>RB</u> Floor El. <u>641'-6"</u> Room, Area <u>A-24, Col. F-13</u>



(DSC00227)

NJPR-12-0043

Sheet 1 of 3 Status: Y (N) U

RB4-1

Area Walk-E Assets: <i>C410</i>	By Checklist 3 <i>C001A</i>	(AWC)			
Location: Blo	lg. <u>RB</u>	Floor El.	<u>659"-6"</u>	Room, Area ¹ A-33	
This checklist pace below e	ach of the fol	to document owing questi	ons may be	of the Area Walk-By near or used to record the results or list for documenting other of	
advers cabine	e seismic con ts)? chorage appea	ditions (if vis	ible without	ear to be free of potentially t necessarily opening ly adverse seismic	YX NO UO N/AO
degrad	ed conditions	?		ear to be free of significant e of equipment.	YXND UD N/AD
racewa seismi condit Cable	ys and HVAG c conditions (cons of cable the conduit races ted thus free of	C ducting app e.g., condition rays appear to vays and HVA	ear to be from the fr	do the cable/conduit see of potentially adverse s is adequate and fill acceptable limits)? sea are adequately sions. See Photo	Y ⊠ N□ U□ N/A□
interac lightin	tions with oth	er equipment	in the area	ally adverse seismic spatial (e.g., ceiling tiles and nately supported.	YX NO UO N/AO

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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Sheet 2 of 3 Status: Y N U

RB4-1

Area Walk-By Checklist (AWC)

Assets: C4103C001A				
Location: Bldg. RB Floor El. 659"-6" Room, Area A-33				
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? No sprinkler or fire protection piping in the area, only detectors are in the area. Thus no flooding or spray concern. Initiate CARD for Boric Acid leak. Ref. CARD 12-26855 (see Photo DSC00241 & 242)	Y N 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? Poorly supported heat tracing cable (Photo DSC00238) and visible oil (Photo DSC00234) may cause fire. Refer to CARDS 12-26633 & 12-27488.	Y□ NX 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)? No seismic interactions with housekeeping issues identified.	YDY NO UO N/AO			
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? No other seismic conditions that adversely affect the safety functions identified.	YN NO UO			
Comments (Additional pages may be added as necessary)				
None.				

NJPR-12-0043

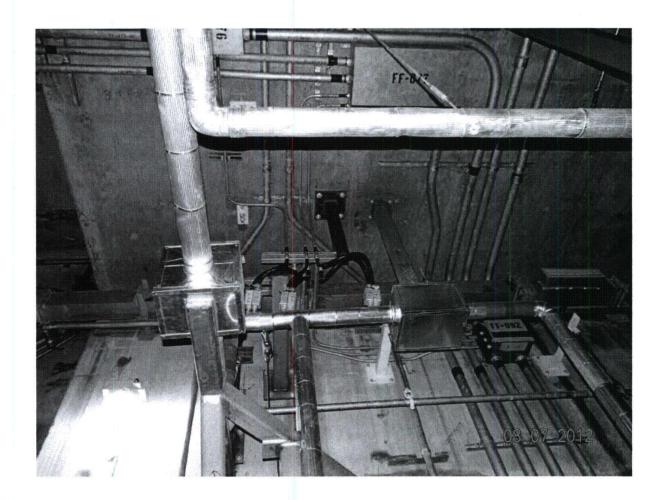
Sheet 3 of 3 Status: Y (N) U

RB4-1

Area	Walk-By	Checklist	(AWC)
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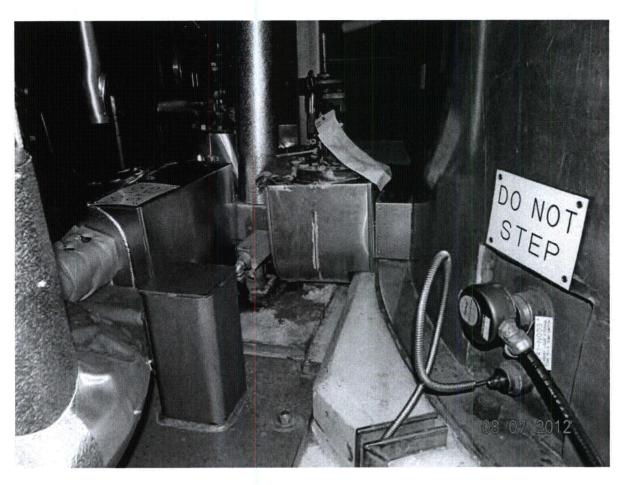
-ASSets: C4103C001A			
Location: Bldg. RB Floor El. 659"-6" Room, Area A-33			
Seismic Engineer Walkdown PSE-53Qualified			
Evaluator #1: 2 Pomellary	_ Date:	8 31 12	
		,	
Seismic Engineer Walkdown PSE-53Qualified			
Evaluator #2:	_ Date:	08/31/12	
V\I		• •	

Location: Bldg. <u>RB</u> Floor El. <u>659'-6"</u> Room, Area <u>A-33</u>



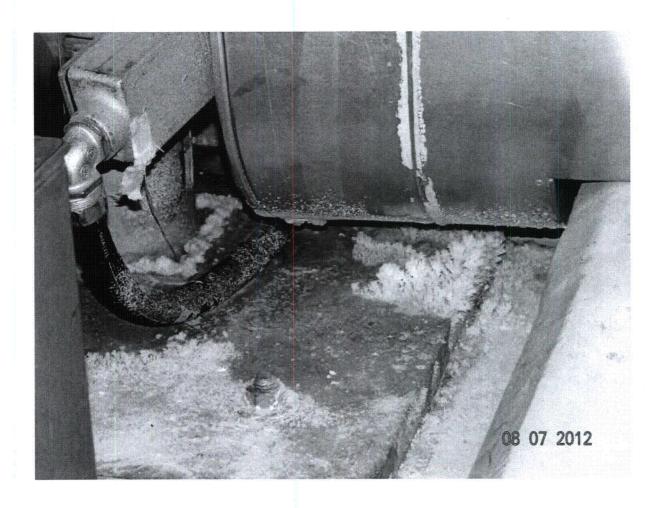
(DSC00247)

Location: Bldg. RB Floor El. 659'-6" Room, Area A-33



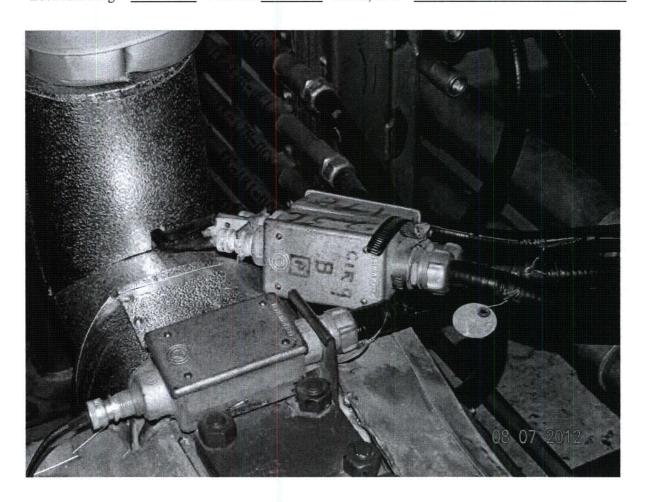
(DSC00241)

Location: Bldg. RB Floor El. 659'-6" Room, Area A-33



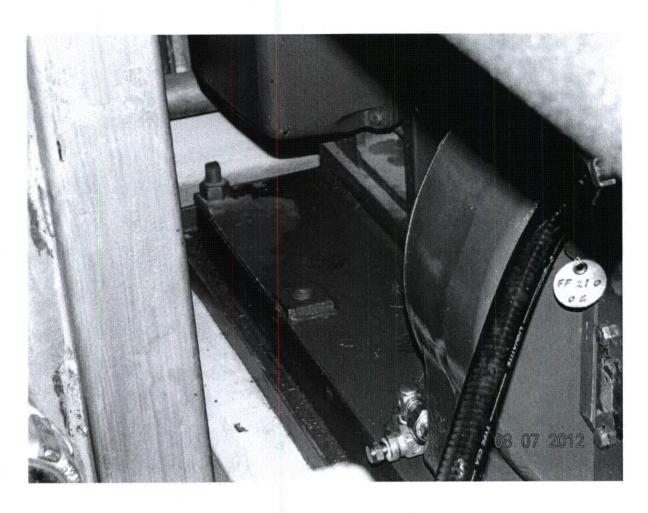
(DSC00242)

Location: Bldg. <u>RB</u> Floor El. <u>659'-6"</u> Room, Area <u>A-33</u>



(DSC00238)

Location: Bldg. RB Floor El. 659'-6" Room, Area A-33



(DSC00234)

NJPR-12-0043

Sheet 1 of 3 Status: N U

RB5-1

Area Walk-By Checklist (AWC)			
Assets: G4100F045A	•		
		1	

Locat	ion: Bldg. <u>RB</u> Floor El. <u>682'-6"</u> Room, Area' <u>A-43, Col. E-</u>	17
Instru	actions for Completing Checklist	
space	checklist may be used to document the results of the Area Walk-By near one below each of the following questions may be used to record the results of ional space is provided at the end of this checklist for documenting other co	judgments and findings.
1.	Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Anchorage on a nearby floor-mounte'd crane and other local supports are free from adverse conditions. (See Pictures 1 & 2)	YX NO UO N/AO
2.	Does anchorage of equipment in the area appear to be free of significant degraded conditions? Anchorage in the area is free from degraded conditions. (See Pictures 1 & 2)	YX NO UO N/AO
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)? Since conduit raceways and HVAC ducts are mounted on walls far from safety related equipment, they are not a realistic hazard.	YX NO UO N/AO
	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 no ceiling tiles and lighting is not located over safety related equipment.	YK NO UO N/AO

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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Sheet 2 of 3 Status: N U

RB5-1

Area Walk-By Checklist (AWC)

Assets: G4100F045A	
Location: Bldg. <u>RB</u> Floor El. <u>682'-6"</u> Room, Area ¹ <u>A-43, Col. E</u>	2-17
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? There are no observed interactions that can lead to flooding or spray. In addition, the pool is equipped with scuppers for overflow protection.	YZYN DU DN/AD
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? There are no observed seismically induced fire interactions.	YM 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)? No adverse housekeeping practices were identified.	YX NO UO N/AO
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? No other adverse conditions were identified.	YX NO UO
Comments (Additional pages may be added as necessary)	
None.	

NJPR-12-0043

Sheet 3 of 3 Status: (Y) N U

RB5-1

Area	Walk-By	Checklist	(AWC)
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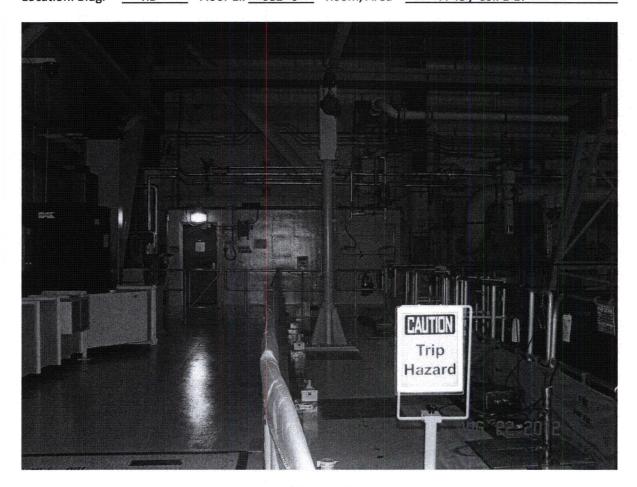
Assets: G4100F045A				
Location: Bldg. RB	Floor El. <u>682'-6"</u>	Room, Area ¹ A-43	, Col. E-17	ANALYSIS
✓ Seismic En Evaluator #1 : Michael P. Sa	egineer Walkdown PSE- 1880 Milal (~ ,	Date:	08/22/12
Seismic En Evaluator #2 : Marc Meyer	gineer Walkdown PSE-	53Qualified	Date:	08/22/12

Location: Bldg. RB Floor El. 682'-6" Room, Area A-43 / Col. E-17



(Picture 1)

Location: Bldg. RB Floor El. 682'-6" Room, Area A-43 / Col. E-17



(Picture 2)