ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	IP3
	Status: Y🛛 N🗍 U
Seismic Walkdown Checklist (SWC) <u>SWEL1-092</u>	
Equipment ID No. <u>ACATCC1</u>	Equip. Class ¹ _20
Equipment Description <u>CC SURGE TANK #31</u>	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions adversely affect the safety functions of the equipment?	that could Y⊠ N□ U□
Yes, we have looked for and found no other seismic condit could adversely affect the safety functions of the equipmen	ions that t.
Comments (Additional pages may be added as necessary)	
Reference Drawings:	
1. 9321-F-25153-22, PAB GENERAL ARRANGEMEI	NT PLANS AT EL.55'-0" & 73'-0"
2. 9321-F-25113-21, PAB GENERAL ARRANGEMEI	NT SECTIONS, SHEET NO. 1
3. 9321-F-13163-4, PAB MISCELLANEOUS PLATFO	DRM & LADDERS
4. 684J839	
5. SEWS Sheet CC Surge tank #31	
6. AWC-025	
Evaluated by: <u>Stephen Yuan</u>	Date: <u>10/22/2012</u>
(tul) 14-C	
Paul Huebsch	Date: <u>10/22/2012</u>

¢



Note: SUPPORT STEEL

Note: SUPPORT STEEL

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	IP3
	Status: Y🛛 N🗌 U
Seismic Walkdown Checklist (SWC) <u>SWEL1-093</u>	
Equipment ID No. <u>CSATBA2</u>	Equip. Class ¹ _21
Equipment Description <u>BORIC ACID STG TANK 32 (32BAT)</u>	
Location: Bldg. <u>PA</u> Floor El. <u>73'-0"</u>	Room, Area
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	·
This checklist may be used to document the results of the Seismic Walkdo SWEL. The space below each of the following questions may be used to re findings. Additional space is provided at the end of this checklist for docum	wn of an item of equipment on the ecord the results of judgments and enting other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)? 	one Y⊠ N□
Yes the anchorage configuration verification is required.	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Yes, the anchorage is free of bent, broken, missing or loose hardwa	are.
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YX N UNA
Yes, the anchorage is free of corrosion that is more than mild surfa oxidation.	ce
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
Yes, the anchorage is free of visible cracks in the concrete near the anchor.)

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	IP3
Seismic Walkdown Checklist (SWC) SWEL1-093	Status: YX N U
	Equip Class ¹ 21
	Equip. Class <u>21</u>
Equipment Description <u>BORIC ACID STG TANK 32 (32BAT)</u>	
 Is the anchorage configuration consistent with plant documentation (Note: This question only applies if the item is one of the 50% for w an anchorage configuration verification is required.) 	n? Y⊠ N⊡ UL_ N/A⊡ vhich
Yes, the anchorage configuration is consistent with plant documentation.	
6. Based on the above anchorage evaluations, is the anchorage free potentially adverse seismic conditions?	of Y⊠ N□ U□
Yes, based on the above anchorage evaluations, the anchorage is free of potentially adverse seismic conditions.	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures	s? Y⊠ N□ U□ N/A□
Yes, soft targets are free from impact by nearby equipment or structures.	
8. Are overhead equipment, distribution systems, ceiling tiles and ligh and masonry block walls not likely to collapse onto the equipment?	nting, Y⊠ N∏ U∏ N/A∏
Yes, overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls are not likely to collapse onto the equipment.	
9. Do attached lines have adequate flexibility to avoid damage?	YX N UNA
Yes, attached lines have adequate flexibility to avoid damage.	
10. Based on the above seismic interaction evaluations, is equipment for potentially adverse seismic interaction effects?	free Y⊠ N⊡ U⊡
Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects.	

•

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-093</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>CSATBA2</u>	Equip. Class ¹ _21
Equipment Description BORIC ACID STG TANK 32 (32BAT)	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that adversely affect the safety functions of the equipment?	could Y N U
Yes, we have looked for and found no other seismic conditions could adversely affect the safety functions of the equipment.	that
Comments (Additional pages may be added as necessary)	
References: 9321-F-11723-8 Primary Auxiliary Building Concrete, Floor at E 9321-F-25153-22 Primary Auxiliary Building General Arrangem SEWS Sheet Boric Acid Stg Tank 31 9321-F-26103-16 Primary Auxiliary Building General Arrangem CR-IP3-2012-02713 AWC-025	Elev 73'-0" East End ent, Plans at El 55'-0" and 73'-0" ent, Sections Sheet No. 2
Evaluated by: <u>Stephen Yuan</u>	Date: <u>10/23/2012</u>
Paul Huebsch	Date: <u>10/23/2012</u>





ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-094</u>	Status: Y N U
Equipment ID No. <u>RWST-31</u>	Equip. Class ¹ <u>21</u>
Equipment Description <u>REFUEL WTR STORAGE TANK (31RWST)</u>	
Location: Bldg. <u>YD</u> Floor El. <u>80'-0"</u>	Room, Area
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdo SWEL. The space below each of the following questions may be used to r findings. Additional space is provided at the end of this checklist for docum	own of an item of equipment on the record the results of judgments and nenting other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)? 	none Y⊠N□
Yes, check the anchorage.	
2. Is the anchorage free of bent, broken, missing or loose hardware?	
Several bolts lacked full engagment (approximately one thread is r engaged). This is judged to be acceptable.	not
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N∏ U∏ N/A∏
Some bolts exhibit slightly more than mild surface oxidation. The condition is not advanced and bolts should be cleaned and coated provide protection against further deterioration. The current conditi considered acceptable. CR-IP3-2012-03236 has been issued to remedy this condition.	l to ion is
 Is the anchorage free of visible cracks in the concrete near the anchors? 	Y⊠ N□ U□ N/A□
Minor tight surface cracks were identified on the RWST-31 foundat The cracks are not near the anchors and are judged to be accepta as they seem to be normal concrete shrinkage cracks.	tion. ble

•

^a Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-094</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>RWST-31</u>	Equip. Class ¹ _21
Equipment Description <u>REFUEL WTR STORAGE TANK (31RWST)</u>	
 Is the anchorage configuration consistent with plant documentation (Note: This question only applies if the item is one of the 50% for w an anchorage configuration verification is required.) 	n? Y⊠ N∏ U∏ N/A∏ /hich
Yes, the anchorage configuration is consistent with plant documentation. See references under Comments.	
6. Based on the above anchorage evaluations, is the anchorage free potentially adverse seismic conditions?	of Y⊠ N□ U□
Yes, based on the above anchorage evaluations, the anchorage is free of potentially adverse seismic conditions.	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structure	s? Y⊠ N□ U□ N/A□
Yes, soft targets are free from impact by nearby equipment or structures.	
8. Are overhead equipment, distribution systems, ceiling tiles and ligh and masonry block walls not likely to collapse onto the equipment?	nting, Y□ N□ U□ N/A⊠
It does not apply because the tank is in the yard. There are no overhead equipment, distribution systems, ceiling tiles and lighting masonry block walls above and near the tank.	, or
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
There is sufficient flexibility at the nozzle connection to the tank.	
10. Based on the above seismic interaction evaluations, is equipment of potentially adverse seismic interaction effects?	free Y⊠ N⊡ U⊡
Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects.	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-094</u>	Status: Y N U
Equipment ID No. <u>RWST-31</u>	Equip. Class ¹ _21
Equipment Description <u>REFUEL WTR STORAGE TANK (31RWST)</u>	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that co adversely affect the safety functions of the equipment?	uld YX N U
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment.	it .
Comments (Additional pages may be added as necessary)	
Caulking at the base of the tank is detiorated. Recommend upgrac prevent water intrusion under the tank. Coating of the anchor bolts corrosion.	le/replacement of caulking to is recommended to prevent further
References: SEWS for Refuel Wtr Storage Tank 9321-F-25233-5, NUCLEAR TANK FARM GEMERAL 9321-F-10023-22, PLOT PLAN IP3V-91-14.6-0073, Rev. 1 AWC-011	
Evaluated by: <u>Paul Huebsch</u>	Date: <u>10/12/2012</u>
Maggie Farah	Date: <u>10/12/2012</u>
Kai Lo IC.	Date: <u>10/12/2012</u>

ATTACHMENT 9.6 SEISMIC WALKDOWN CHECKLIST FORM Sheet 4 of 4 IP3 Status: YX N U Seismic Walkdown Checklist (SWC) SWEL1-094 Equip. Class¹ 21 Equipment ID No. RWST-31 Equipment Description <u>REFUEL WTR STORAGE TANK (31RWST)</u> Photographs Note: Lack of full engagement

Note: RWST-31

ATTACHMENT 9.6		··	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 8			IP3
			Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SW</u>	EL1-095		
Equipment ID No. <u>COND STOR TK</u>			Equip. Class ¹ _21
Equipment Description <u>CONDENSATE STOR 1</u>	TANK (31 C	<u>ST)</u>	
Location: Bldg. <u>YD</u>	Floor El.	<u> 69'-0" </u>	Room, Area
Manufacturer, Model, Etc. (optional but recomme	nded)		
Instructions for Completing Checklist This checklist may be used to document the resu SWEL. The space below each of the following qu findings. Additional space is provided at the end of	Its of the Se estions ma of this chect	eismic Walko y be used to klist for docu	down of an item of equipment on the record the results of judgments and menting other comments.
Anchorage			
 Is the anchorage configuration verification of the 50% of SWEL items requiring such 	required (i verification	.e., is the iter)?	mone Y⊠ N□
Yes, check the anchorage.			
2. Is the anchorage free of bent, broken, mis	sing or loos	se hardware	? Y⊠ N∏ U∏ N/A∏
The anchorage is free of bent, broken, mis	ssing or loo	se hardware	
3. Is the anchorage free of corrosion that is r oxidation?	nore than n	nild surface	
Anchor bolts show evidence of having sor base before being painted. The anchors a from corrosion by a surface coating.	ne surface are currentl <u></u>	corrosion ne y well protec	ar the ted
4. Is the anchorage free of visible cracks in the anchors?	he concrete	e near the	Y N U N/A
Local concrete cracks are found in the cor the locations of anchor bolts. The cracks a tight and closed. Structural monitoring ma EN-DC-150 for CST tank under license re	ncrete base are noticeal intenace ra newal will ti	at and away ble and gene le programe rack these cl	y from orally per racks.

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 8	IP3
	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWEL1-095</u>	
Equipment ID No. <u>COND STOR TK</u>	Equip. Class ¹ _21
Equipment Description <u>CONDENSATE STOR TANK (31 CST)</u>	
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for whi anchorage configuration verification is required.) 	Y N U U N/A
The anchorage is consistent with the plant documentation.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	
Yes, based on the above anchorage evaluations, the anchorage is free of potentially adverse seismic conditions.	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	
Lighting poles are in close proximity to the tank. The seismic adequa of the poles and their bases is evaluated in LB-11.	icy
8. Are overhead equipment, distribution systems, ceiling tiles and lightir and masonry block walls not likely to collapse onto the equipment?	ng, YX N U N/A
Two pipes originate at the top of the tank and span to the bottom of t tank without intermediate support. These pipes would exert nozzle loads on the tank walls during a seismic event. It is necessary to determine the adequacy of the nozzle connection and the stress in th unsupported pipe due to seismic loading. Pipe line 1028 & 1080 are shown on Dwg 9321-F-22433 and analyzed in prob 469.	he he
9. Do attached lines have adequate flexibility to avoid damage?	YX NI UI N/AI
Attached lines have adequate flexibility to avoid damage.	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	e Y⊠ N□ U□
Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects.	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 8	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-095</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>COND STOR TK</u>	Equip. Class ¹ _21
Equipment Description <u>CONDENSATE STOR TANK (31 CST)</u>	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that co adversely affect the safety functions of the equipment?	ould Y⊠ N□ U□
Yes, we have looked for and found no other seismic conditions the could adversely affect the safety functions of the equipment.	ət
Comments (Additional pages may be added as necessary)	
Most of the adjacent conduits show evidence of varying degrees of	of surface corrosion.
Cabinets adjacent to the tank could not be opened due to the larg covers.	e number of fasteners securing the
References: SEWS for CST and attached calculation (18904-IP3-SQ017, Rev. 9321-F-10023, Rev. 22, PLOT PLAN AWC-018 LB-11	0)
Evaluated by: <u>Stephen Yuan</u>	Date: <u>10/17/12</u>
Paul Huebsch	

-

.







ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 7 of 8	
IP3	



Note: Pipes which span the height of the tank without intermediate support.



Note: Cabinet which is missing bolts in face plate.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 8 of 8	
IP3	



Note: Platform base plate with two bolts and four holes.



Note: Overview of platform

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	IP3
	Status: Y🛛 N🗌 U
Seismic Walkdown Checklist (SWC) <u>SWEL1-096</u>	
Equipment ID No. <u>EDG-31-FO-DTNK</u>	Equip. Class ¹ _21
Equipment Description F.O. DAY (31 EDG)	
Location: Bldg. <u>DG</u> Floor El. <u>26'-0"</u>	Room, <u>31 DIESEL</u> Area <u>GENERATOR ROOM</u>
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdo SWEL. The space below each of the following questions may be used to re findings. Additional space is provided at the end of this checklist for docum	wn of an item of equipment on the ecord the results of judgments and tenting other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)? 	one Y⊠ N□
Yes, the anchorage configuration verification is required.	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
There are two saddles supporting the tank, each with 4 bolts. Two bolts on the north saddle are missing nuts (see attached photo). The documented in CR-IP3-2012-03382.	of nis is
LB-07 evaluation was performed and concluded that the existing be configuration is structurally adequate (without the two nuts).	olting
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N∏ U∏ N/A∏
Yes, the anchorage is free of corrosion that is more than mild surfa oxidation.	ce
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠
Not applicable since the saddle is attached to structural steel (angle	es).

`.

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Аттаснмент 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-096</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. EDG-31-FO-DTNK	Equip. Class ¹ 21
Equipment Description F.O. DAY (31 EDG)	— , . ,
 Is the anchorage configuration consistent with plant documentation (Note: This question only applies if the item is one of the 50% for w an anchorage configuration verification is required.) 	? Y⊠ N∏ U∏ N/A∏ hich
Yes, the anchorage configuration is consistent with IP3V-0353-000 Rev. 2	1,
6. Based on the above anchorage evaluations, is the anchorage free potentially adverse seismic conditions?	of Y⊠ N□ U□
See #2.	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures	? Y⊠ N□ U□ N/A□
Yes, soft targets are free from impact by nearby equipment or structures.	
8. Are overhead equipment, distribution systems, ceiling tiles and ligh and masonry block walls not likely to collapse onto the equipment?	ting, Y⊠ N⊡ U⊡ N/A⊡
Yes, overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls are not likely to collapse onto the equipment.	
9. Do attached lines have adequate flexibility to avoid damage?	Y N N U N/A
Yes, attached lines have adequate flexibility to avoid damage.	
10. Based on the above seismic interaction evaluations, is equipment f of potentially adverse seismic interaction effects?	ree Y⊠ N∏ U∏
Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects.	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-096</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>EDG-31-FO-DTNK</u>	Equip. Class ¹ _21
Equipment Description F.O. DAY (31 EDG)	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment.	
Comments (Additional pages may be added as necessary)	
References:	
IP3V-0353-0001, Rev. 2	
SEWS for F.O.Day Tank No. 31 and 33	
AWC-019	
LB-07	
CR IP3-2012-03382	
Evaluated by: <u>Maggie Farah</u>	Date: <u>10/19/2012</u>

.

SEISMIC WALKDOWN CHECKLIST FORM
IP3
Status: Y N U
Equip. Class ¹ _21

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 6	IP3
	Status: Y🛛 N 🗍 U
Seismic Walkdown Checklist (SWC) <u>SWEL1-097</u>	
Equipment ID No. <u>CSAHNRT</u>	Equip. Class ¹ _21
Equipment Description <u>NON REGEN HEAT EXCH NO 31</u>	
Location: Bldg. <u>PA</u> Floor EI. <u>73'-0"</u>	Room, Area
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdo SWEL. The space below each of the following questions may be used to r findings. Additional space is provided at the end of this checklist for docum	own of an item of equipment on the record the results of judgments and nenting other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)? 	none Y⊠N□
Yes the anchorage configuration verification is required.	
2. Is the anchorage free of bent, broken, missing or loose hardware?	
Yes, the anchorage is free of bent, broken, missing or loose hardw	vare.
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Yes, the anchorage is free of corrosion that is more than mild surfa oxidation.	ace
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
Yes, the anchorage is free of visible cracks in the concrete near the anchor.	e

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 6	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-097</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>CSAHNRT</u>	Equip. Class ¹ _2 <u>1</u>
Equipment Description <u>NON REGEN HEAT EXCH NO 31</u>	
 Is the anchorage configuration consistent with plant documentatio (Note: This question only applies if the item is one of the 50% for an anchorage configuration verification is required.) 	vn? Y⊠ N⊡ U⊡ N/A⊡ which
Yes, the anchorage configuration is consistent with plant documentation.	
6. Based on the above anchorage evaluations, is the anchorage free potentially adverse seismic conditions?	eof Y⊠ N□ U□
Yes, based on the above anchorage evaluations, the anchorage is free of potentially adverse seismic conditions.	's
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structure	es? Y⊠ N□ U□ N/A□
Yes, soft targets are free from impact by nearby equipment or structures.	
Are overhead equipment, distribution systems, ceiling tiles and lig and masonry block walls not likely to collapse onto the equipment	hting, Y⊠ N⊡ U⊡ N/A⊡ ?
Yes, overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls are not likely to collapse onto the equipment.	e
Equipment removal area in adjacent wall is covered with shielding the outside of the wall has a metal door. No seismic impact.	g and
9. Do attached lines have adequate flexibility to avoid damage?	
Yes, attached lines have adequate flexibility to avoid damage.	
10. Based on the above seismic interaction evaluations, is equipment of potentially adverse seismic interaction effects?	t free Y⊠ N□ U□
Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects	5.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 6	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-097</u>	Status: Y N U
Equipment ID No. <u>CSAHNRT</u>	Equip. Class ¹ _21
Equipment Description <u>NON REGEN HEAT EXCH NO 31</u>	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	Id Y⊠ N□ U□
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment.	
Comments (Additional pages may be added as necessary)	
References: 1. DWG 9321-F-11713-8, PRIMARY AUXILIARY BUILDING CON 73'-0" WEST END 2. SEWS NON REGEN HEAT EXCH NO 31 3. AWC-034	NCRETE FLOOR AT ELEVATION
Evaluated by: <u>Stephen Yuan</u>	Date: <u>10/23/2012</u>
Paul Huebsch	Date: <u>10/23/2012</u>

.

ATTACHMENT 9.6 SEISMIC WALKDOWN CHECKLIST FORM Sheet 4 of 6 IP3 Seismic Walkdown Checklist (SWC) __SWEL1-097 Status: Y N U Equipment ID No. __CSAHNRT Equip. Class¹ 21 Equipment Description __NON REGEN HEAT EXCH NO 31 Photographs



Note: View of equipment



Note: View of front pedestal

ATTACHMENT 9.6 Sheet 5 of 6

SEISMIC WALKDOWN CHECKLIST FORM

IP3

Seismic Walkdown Checklist (SWC) SWEL1-097

Equipment ID No. CSAHNRT

Equipment Description NON REGEN HEAT EXCH NO 31



Note: View of wall and conduits



Equip. Class¹ 21



Note: View of equipment and conduits





ATTACHMENT 9.6			SEISMIC WAL	KDOWN CHECKLIST FOR
heet 6 of 6		and a strain and a strain of a		IP3
Seismic Walkdown Checklis	t (SWC) <u>SWEL1-(</u>)97	Sta	tus: Y⊠ N⊡ U⊡
CSAHNRT	E	Equip. Class ² _2	21	
Equipment Description <u>NON RI</u>	EGEN HEAT EXCH NO	0 31		
Note: View of exchanger per bolts	edestal and anchor	Note: Ed	quipment remova	l area at outside wall

Note:

View of rear wall

Note:

View at removeable head

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-098</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>ACAHCC1</u>	Equip. Class ¹ _21
Equipment Description <u>COMPONENT COOLING WATER HEAT EX</u>	CHANGER NO. 31
Location: Bldg. <u>PA</u> Floor El. <u>55'-0"</u>	Room, Area
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
SWEL. The space below each of the following questions may be used findings. Additional space is provided at the end of this checklist for do	to record the results of judgments and ocumenting other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is the of the 50% of SWEL items requiring such verification)? 	item one Y⊠ N⊡
Yes, check the anchorage.	
2. Is the anchorage free of bent, broken, missing or loose hardwa	rre? Y⊠ N□ U□ N/A□
Two of four anchor bolts are not fully engaged, missing 1/16" th Per calculation IP3-CALC-MULT-00734, page 6 for bolt size of diameter and over, 0.136" recess is allowed.	hreads. ^F ½"
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	ce Y⊠ N□ U□ N/A□
The anchorage is free of corrosion.	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
There are indications that previous cracks have been repaired. photo.	See

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 SEISI	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	IP3
	Status: Y🛛 N 🗍 U
Seismic Walkdown Checklist (SWC) <u>SWEL1-098</u>	
Equipment ID No. <u>ACAHCC1</u> Equ	uip. Class ¹ _21
Equipment Description <u>COMPONENT COOLING WATER HEAT EXCHANGE</u>	R NO. 31
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	
The anchorage configuration is consistent with plant documentation.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX NI UI
Based on the above anchorage evaluations, the anchorage is free of potentially adverse seismic conditions.	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Soft targets are free from impact by nearby equipment or structures.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
Overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls are not likely to collapse onto the equipment.	
9. Do attached lines have adequate flexibility to avoid damage?	Y N N U N/A
All attached lines have adequate flexibility to avoid damage.	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□
Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects.	

•

ATTACHMENT 9.6 S	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-098</u>	Status: Y N U
Equipment ID No. <u>ACAHCC1</u>	Equip. Class ¹ _21
Equipment Description <u>COMPONENT COOLING WATER HEAT EXCHAN</u>	IGER NO. 31
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	u ⊇v ⊠v ⊠Y
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment.	
Comments (Additional pages may be added as necessary)	
Reference Drawings:	
1. 9321-F-25153-22, PAB GENERAL ARRANGEMENT PLANS	SATEL.55'-0" & 73'-0"
2. 9321-F-25103-23, PAB GENERAL ARRANGEMENT PLANS	SATEL.15', 32'-6", 34'-6" & 41'
3. IP3V-299-0006 RT, COMPONENT COOLING WATER HEA.	I EXCHANGER AS BUILT
4. SEWS Sheet 31 I/A Cmpr CI Cooling Wtr Hx	
5. AWC-025	
Evaluated by: <u>Stephen Yuan</u>	Date: <u>10/22/12</u>
Paul Huebsch	10/22/12

-

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-098</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>ACAHCC1</u>	Equip. Class ¹ _21
Equipment Description <u>COMPONENT COOLING WATER HEAT EXC</u>	CHANGER NO. 31
Photographs	

Note:

View from 55' floor.

View from73' floor.

Note:

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FOR
Sheet 5 of 5	IP3
	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SWEL1-098</u>	
Equipment ID No. ACAHCC1	Equip. Class ¹ _21
Equipment Description <u>COMPONENT COOLING WATER</u>	HEAT EXCHANGER NO. 31
	- Eline -
transmission and the second second	
	Track .
Note: N	ote:
Two of four anchor bolts are not fully engaged, missing 1/16" threads.The missing 1/16" threads.	here are indications of repaired cracks.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM	
Sheet 1 of 5	IP3	
	Status: Y🛛 N🗌 U	
Seismic Walkdown Checklist (SWC) <u>SWEL1-099</u>		
Equipment ID No. <u>IACCHT</u>	Equip. Class ¹ _21	
Equipment Description <u>32 IAC INST AIR CC HEX</u>		
Location: Bldg. <u>CB</u> Floor El. <u>15'-0"</u>	Room, <u>SWITCHGEAR ROOM</u> Area	
Manufacturer, Model, Etc. (optional but recommended)		
Instructions for Completing Checklist		
This checklist may be used to document the results of the Seismic Walkd SWEL. The space below each of the following questions may be used to findings. Additional space is provided at the end of this checklist for document	own of an item of equipment on the record the results of judgments and menting other comments.	
Anchorage		
 Is the anchorage configuration verification required (i.e., is the iten of the 50% of SWEL items requiring such verification)? 	n one Y Y N	
Yes, part of the anchor check.		
2. Is the anchorage free of bent, broken, missing or loose hardware? Y \square N \square U \square N/A \square		
The anchorage was observed to be free of bent, broken, missing or loose hardware.		
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□	
The anchors were observed to be free of corrosion.		
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□	
No cracks were found in the concrete near the anchors.		

. 1

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-099</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>IACCHT</u>	Equip. Class ¹ _21
Equipment Description <u>32 IAC INST AIR CC HEX</u>	
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for wh an anchorage configuration verification is required.)	? Y□ N⊠ U□ N/A□ hich
Anchor bolt spacing is $4\frac{1}{2}$ " vs 3" as indicated on drawing 9321-F- 19543, Section K-K. The base plate size is equal to 4" x $\frac{1}{2}$ " x 0'-9" v drawing at 6" x $\frac{1}{2}$ " x 0'-10".	'S.
6. Based on the above anchorage evaluations, is the anchorage free or potentially adverse seismic conditions?	of Y⊠ N∏ U∏
The increase anchor bolt spacing will provide greater out of plane moment capacity and is conservative. The decrease in base plate size is not critical since the assembly will act as a rigid frame and the component integrity will not be compromised since the base plates will be loaded primarily in compression and the decrease in bearing capacity is not considered significant for the minimum weight of the component.	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures	? Y□ N□ U□ N/A⊠
Not applicable since there are no soft targets.	
8. Are overhead equipment, distribution systems, ceiling tiles and lightian and masonry block walls not likely to collapse onto the equipment?	ing, Y⊠ N□ U□ N/A□
Overhead equipment, distribution systems, ceiling tiles and lighting, masonry block walls not likely to collapse.	and
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Attached lines have adequate flexibility.	
10. Based on the above seismic interaction evaluations, is equipment from of potentially adverse seismic interaction effects?	ee Y⊠ N□ U□
Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects.	
ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
---	---
Sheet 3 of 5	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-099</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>IACCHT</u>	Equip. Class ¹ _ <u>21</u>
Equipment Description <u>32 IAC INST AIR CC HEX</u>	
Other Adverse Conditions	
11. Have you looked for and found no other seismic condition adversely affect the safety functions of the equipment?	s that could Y⊠ N⊡ U⊡
Yes, we have looked for and found no other seismic cond could adversely affect the safety functions of the equipme	itions that nt.
Comments (Additional pages may be added as necessary)	
Leaking valve adjacent to the exchanger (SWN-TCV-111) as being addressed by WO 51456228.	3) was observed. The condition was tagged
References:	
9321-F-19543-10, CONTROL AND DIESEL GENERATO	R BUILDINGS CONCRETE PLAN EL.15'-0"
IP3V-299-0001, Rev. 1, DETAIL: COMPONENT COOLIN IP3V-299-0002. DETAIL: COMPONENT COOLING WATI	G WATER HEAT EXCHANGER ER HEAT EXCHANGER
9321-F-30523, Rev. 50, EQUIPMENT ARRANGEMENT (CONTROL BUILDING
AWC-002	
(and 14 C	
Evaluated by: Paul Huebsch	Date: <u>10/09/2012</u>
Maggie Farah Mara	Date: 10/09/2012
\frown	
Kailo IC.	Date: 10/09/2012



ATTACHMENT 9.6 Sheet 5 of 5

SEISMIC WALKDOWN CHECKLIST FORM

IP3

Status: Y N U

Seismic Walkdown Checklist (SWC) SWEL1-099

Equipment ID No. IACCHT

Equip. Class¹_21

Equipment Description <u>32 IAC INST AIR CC HEX</u>



Note: Exchanger support



Note: Upper Exchanger

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	IP3
	Status: Y N U
Seismic Walkdown Checklist (SWC) <u>SWEL1-100</u>	
Equipment ID No. <u>EDG-32-AR-TNK</u>	Equip. Class ¹ _21
Equipment Description <u>AIR RECEIVER 30 GAL. TANK # 32 (32ART)</u>	
Location: Bldg. <u>DG</u> Floor El. <u>15'-0"</u>	Room, <u>32 DIESEL</u> Area <u>GENERATOR ROOM</u>
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkde SWEL. The space below each of the following questions may be used to r findings. Additional space is provided at the end of this checklist for docur	own of an item of equipment on the record the results of judgments and nenting other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)? 	n one Y NX
This is not part of the anchorage configuration verification.	
2. Is the anchorage free of bent, broken, missing or loose hardware?	
The anchorage free of bent, broken, missing or loose hardware.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
Observed minor surface corrision; however, SEWS judged not to b concern. Therefore, the anchorage is free of corrosion that is more mild surface oxidation.	pe a e than
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
Not applicable since the anchorage is attached to steel grating.	

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-100</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>EDG-32-AR-TNK</u>	Equip. Class ¹ 21
Equipment Description <u>AIR RECEIVER 30 GAL. TANK # 32 (32ART)</u>	
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for wh an anchorage configuration verification is required.) 	Y N U N/A⊠ nich
Not applicable since it is not part of the anchorage configuration verification.	
6. Based on the above anchorage evaluations, is the anchorage free o potentially adverse seismic conditions?	f Y⊠ N∏ U∏
Yes, based on the above anchorage evaluations, the anchorage is free of potentially adverse seismic conditions.	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	? Y⊠ N□ U□ N/A□
Yes, soft targets are free from impact by nearby equipment or structures.	· ·
8. Are overhead equipment, distribution systems, ceiling tiles and lighti and masonry block walls not likely to collapse onto the equipment?	ng, Y⊠ N□ U□ N/A□
Grating above the tank is well supported. Therefore, overhead equipment, distribution systems, ceiling tiles and lighting, and masor block walls are not likely to collapse onto the equipment.	nry
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Attached lines have adequate flexibility to avoid damage.	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	ee Y⊠ N□ U□
The equipment is free of potentially adverse seismic interaction effect	cts.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL1-100</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>EDG-32-AR-TNK</u>	Equip. Class ¹ _21
Equipment Description <u>AIR RECEIVER 30 GAL. TANK # 32 (32ART)</u>	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that conduct adversely affect the safety functions of the equipment?	ould Y⊠ N□ U□
No other seismic conditions that could adversely affect the safety functions of the equipment.	
<u>Comments</u> (Additional pages may be added as necessary)	
References: 9321-LL—67954-1, DIESEL GENERATOR BUILDING EL. 15'-0" SUPPORT DETAIL 9321-F-10543-10, CONTROL AND DIESEL GENERATOR BUILL 9321-F-40483-9, DIESEL GENERATOR BUILDING HEATING & 9321-F-22513-9, DIESEL GENERATOR BUILDING GENERAL A AWC-020	AIR RECEIVER TANK GRATING DINGS CONCRETE PLAN EL.15'-0" VENTILATION PLAN & SECTION RRANGEMENT ELEVATIONS
Evaluated by: <u>Maggie Farah</u>	Date: <u>10/23/12</u>

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	IP3
	Status: Y N U
Seismic Walkdown Checklist (SWC) <u>SWEL1-100</u>	_
Equipment ID No. <u>EDG-32-AR-TNK</u>	Equip. Class ¹ _21
Equipment Description AIR RECEIVER 30 GAL. TANK # 32 (3	2ART)
Photographs	
	a a an
The second for the second s	
	п.
Note: Air receiver 30 gal. tank #32 Note:	
	anna an ann an an an an an an an an an a

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	IP3
Solomia Walkdown Chacklist (SWC) SWEL2 001	Status: Y N N
	1 _
Equipment ID No. <u>ACAPPW1</u>	Equip. Class' <u>5</u>
Equipment Description <u>Refueling Water Purification 31 Pump and Motor</u>	·
Location: Bldg. <u>PAB</u> Floor El. <u>41'-0"</u>	Room, Area
Manufacturer, Model, Etc. (optional but recommended)	
This checklist may be used to document the results of the Seismic Walkdov SWEL. The space below each of the following questions may be used to re findings. Additional space is provided at the end of this checklist for docum	wn of an item of equipment on the ecord the results of judgments and enting other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)? 	one Y⊠ N□
Yes, the anchorage configuration verification is required.	
2. Is the anchorage free of bent, broken, missing or loose hardware?	
Yes, the anchorage is free of bent, broken, missing or loose hardwa	are.
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
Yes, the anchorage is free of corrosion that is more than mild surface oxidation.	ce
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
Yes, the anchorage is free of visible cracks in the concrete near the anchor.	

.

^{&#}x27; Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL2-001</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>ACAPPW1</u>	Equip. Class ¹ _5
Equipment Description <u>Refueling Water Purification 31 Pump and Motor</u>	
 Is the anchorage configuration consistent with plant documentation (Note: This question only applies if the item is one of the 50% for w an anchorage configuration verification is required.) 	n? Y N U V N/A
Yes, the anchorage configuration is consistent with drawing 9321- 11683-10.	F-
6. Based on the above anchorage evaluations, is the anchorage free potentially adverse seismic conditions?	of Y⊠ N□ U□
Yes, based on the above anchorage evaluations, the anchorage is of potentially adverse seismic conditions.	s free
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structure	s? Y⊠ N□ U□ N/A□
Yes, soft targets are free from impact by nearby equipment or structures.	
 Are overhead equipment, distribution systems, ceiling tiles and ligh and masonry block walls not likely to collapse onto the equipment? 	nting, Y N⊠ U N/A
Observed fluorscent bulb directly above ACAPPWI that is not secu to the light fixture. During a seismic event the bulb may fall and str the pump's oil reservoir or nearby equipment. This is addressed in IP3-2012-03653.	ured ike CR-
9. Do attached lines have adequate flexibility to avoid damage?	
Yes, attached lines have adequate flexibility to avoid damage.	
10. Based on the above seismic interaction evaluations, is equipment of potentially adverse seismic interaction effects?	free Y□ N⊠ U□
See #8.	

•

.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	IP3
Sciemic Walkdown Checklict (SWC) SWEL2 001	Status: Y⊠ N∏ U∏
Equipment ID No. <u>ACAPPW1</u>	Equip. Class ¹ _5
Equipment Description <u>Refueling Water Purification 31 Pump and Motor</u>	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N∏ U∏
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment.	
Comments (Additional pages may be added as necessary)	
References:	
9321-F-11683-10	
AWC-033	
Evaluated by: <u>Maggie Farah</u>	Date: <u>10/22/12</u>
Kai Lo	10/22/12

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL2-001</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>ACAPPW1</u>	Equip. Class ¹ _5
Equipment Description <u>Refueling Water Purification 31 Pump and</u>	Motor
Photographs	n en sen s
Note:	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	IP3
Seismic Walkdown Checklist (SWC) SWEL2-002	Status: YX N U
Equipment ID No SEPC-31PP	Equin Class ¹ 5
Equipment Description Spent Evel Pit Pump 31 and Motor	
Location: Bldg. <u>FSB</u> Floor El. <u>41'-0"</u>	Room, <u>SPENT FUEL PIT PUMP</u> Area
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkd SWEL. The space below each of the following questions may be used to findings. Additional space is provided at the end of this checklist for document	own of an item of equipment on the record the results of judgments and menting other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is the iten of the 50% of SWEL items requiring such verification)? 	n one Y⊠ N□
Yes, the anchorage configuration verification is required.	
2. Is the anchorage free of bent, broken, missing or loose hardware?	YX NI UI N/AI
Yes, the anchorage is free of bent, broken, missing or loose hardw	vare.
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YX N UN N/A
Yes, the anchorage is free of corrosion that is more than mild surface oxidation.	ace
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
Yes, the anchorage is free of visible cracks in the concrete near th anchor.	e

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	IP3
Seismic Walkdown Checklist (SWC) SWEI 2-002	Status: Y🛛 N
Equipment ID No. <u>SFPC-31PP</u>	Equip. Class ¹ _5
Equipment Description <u>Spent Fuel Pit Pump 31 and Motor</u>	
 Is the anchorage configuration consistent with plant documentation (Note: This question only applies if the item is one of the 50% for w an anchorage configuration verification is required.) 	n? Y⊠ N□ U□ N/A□ vhich
Yes, the anchorage is consistent with plant drawing 9321-F-12003	-7.
6. Based on the above anchorage evaluations, is the anchorage free potentially adverse seismic conditions?	of Y⊠ N□ U□
Yes, based on the above anchorage evaluations, the anchorage is free of potentially adverse seismic conditions.	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structure	s? Y⊠ N□ U□ N/A□
Yes, soft targets are free from impact by nearby equipment or structures.	
8. Are overhead equipment, distribution systems, ceiling tiles and ligh and masonry block walls not likely to collapse onto the equipment?	nting, Y⊠ N∏ U∏ N/A∏ ?
Platform above is well supported. Yes, overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block w are not likely to collapse onto the equipment.	valis
9. Do attached lines have adequate flexibility to avoid damage?	
Yes, attached lines have adequate flexibility to avoid damage.	
10. Based on the above seismic interaction evaluations, is equipment of potentially adverse seismic interaction effects?	free Y⊠ N⊟ U⊡
Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects.	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FOR
iheet 3 of 4	IP3
	Status: Y🛛 N🗌 U
Seismic Walkdown Checklist (SWC) <u>SWEL2-002</u>	
Equipment ID No. <u>SFPC-31PP</u>	Equip. Class ¹ _5
Equipment Description Spent Fuel Pit Pump 31 and Motor	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that coul adversely affect the safety functions of the equipment?	Id Y⊠ N⊡ U⊡
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment.	
Comments (Additional pages may be added as necessary)	
References:	
A210606-0	
9321-F-12003-7	
9321-F-25143-14	
IP3V-0209-0081-1, sheet 1	
IP3V-0415-0002-1, sheet 13	
AWC-41	
Evaluated by: Maggie Farah	Date: <u>10/25/12</u>
	10/25/12

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	IP3
	Status: Y⊠ N∏ U∏
Seismic Walkdown Checklist (SWC) <u>SWEL2-002</u>	
Equipment ID No. <u>SFPC-31PP</u>	Equip. Class ¹ _5
Equipment Description <u>Spent Fuel Pit Pump 31 and Motor</u>	
Photographs	
	5
Note: spent fuel pit pump 31 & motor Note:	
Note: spent fuel pit pump 31 & motor Note:	
Note: spent fuel pit pump 31 & motor Note:	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	IP3
	Status: Y🛛 N🗌 U
Seismic Walkdown Checklist (SWC) <u>SWEL2-003</u>	
Equipment ID No. <u>SFPC-32PP</u>	Equip. Class ¹ _5
Equipment Description <u>Spent Fuel Pit Pump 32 and Motor</u>	
Location: Bldg. <u>FSB</u> Floor El. <u>41'-0"</u>	Room, <u>SPENT FUEL PIT PUMP</u> Area
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walke SWEL. The space below each of the following questions may be used to findings. Additional space is provided at the end of this checklist for docu	down of an item of equipment on the record the results of judgments and umenting other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is the ite of the 50% of SWEL items requiring such verification)? 	m one Y⊠ N□
Yes, the anchorage configuration verification is required.	
2. Is the anchorage free of bent, broken, missing or loose hardware	? Y⊠ N□ U□ N/A□
Yes, the anchorage is free of bent, broken, missing or loose hard	lware.
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YX NI UI N/AI
Yes, the anchorage is free of corrosion that is more than mild su oxidation.	rface
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
Yes, the anchorage is free of visible cracks in the concrete near t anchor.	he

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL2-003</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No SEPC-32PP	Equip Class ¹ 5
Equipment Description Spent Fuel Pit Pump 32 and Motor	
 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for wh an anchorage configuration verification is required.) 	Y⊠ N□ U□ N/A□ nich
 6. Based on the above anchorage evaluations, is the anchorage free o potentially adverse seismic conditions? Yes, based on the above anchorage evaluations, the anchorage is free of potentially adverse seismic conditions. 	f Υ⊠Ν□ U□
Interaction Effects	
 Are soft targets free from impact by nearby equipment or structures? Yes, soft targets are free from impact by nearby equipment or structures. 	? Y⊠ N□ U□ N/A□
8. Are overhead equipment, distribution systems, ceiling tiles and lighti and masonry block walls not likely to collapse onto the equipment? <i>Platform is well supported. Therefore, yes, overhead equipment,</i> <i>distribution systems, ceiling tiles and lighting, and masonry block wa</i> <i>are not likely to collapse onto the equipment.</i>	ing, Y⊠ N□ U□ N/A□
 Do attached lines have adequate flexibility to avoid damage? Yes, attached lines have adequate flexibility to avoid damage. 	
10. Based on the above seismic interaction evaluations, is equipment from of potentially adverse seismic interaction effects? Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects.	ee Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL2-003</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>SFPC-32PP</u>	Equip. Class ¹ _5
Equipment Description <u>Spent Fuel Pit Pump 32 and Motor</u>	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that counadversely affect the safety functions of the equipment? Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment.	ıld Y⊠ N⊟ U⊟ t
Comments (Additional pages may be added as necessary)	
References:	
AWC-041	
9321-F-12003-7	
9321-F-25143-14	
IP3V-0415-0002, Rev. 1, sheet 13	
IP3V-0209-0081, Rev. 1, sheet 1	
A210606-0	
Evaluated by: <u>Maggie Farah</u>	Date: <u>10/25/12</u>
Kai Lo CC.	10/25/12

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	IP3
	Status: YX N U
Seismic Walkdown Checklist (SWC) <u>SWEL2-003</u>	
Equipment ID No. <u>SFPC-32PP</u>	Equip. Class ¹ _5
Equipment Description <u>Spent Fuel Pit Pump 32 and Motor</u>	
Photographs	
Note: no photos attached.	ote:

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	IP3
Sciemic Walkdown Checklist (SWC) SWEL2 004	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checkist (SWC) <u>SWELZ-004</u>	
Equipment ID No. <u>ACAHSFI</u>	Equip. Class' <u>21</u>
Equipment Description <u>Spent Fuel Pit Heat Exchanger</u>	
Location: Bldg. <u>FSB</u> Floor El. <u>55'-0</u>	<u>)"</u> Room, Area
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic SWEL. The space below each of the following questions may be u findings. Additional space is provided at the end of this checklist fo	Walkdown of an item of equipment on the used to record the results of judgments and or documenting other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is of the 50% of SWEL items requiring such verification)? 	the item one Y⊠ N⊡
Yes, the anchorage configuration verification is required.	
2. Is the anchorage free of bent, broken, missing or loose have Yes, the anchorage is free of bent, broken, missing or loos	dware? Y⊠ N⊡ U⊡ N/A⊡ se hardware.
 Is the anchorage free of corrosion that is more than mild su oxidation? Yes, the anchorage is free of corrosion that is more than mild su oxidation. 	ırface Y⊠ N∏ U⊡ N/A⊡ ild surface
 Is the anchorage free of visible cracks in the concrete near anchors? Yes, the anchorage is free of visible cracks in the concrete anchor. 	the Y⊠ N⊡ U⊡ N/A⊡ near the

_

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 Se	ISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	IP3
Seismic Walkdown Checklist (SWC) SWEL2-004	Status: Y⊠ N⊡ U⊡
	1
Equipment ID No. <u>ACAHSFI</u> E	Equip. Class' <u>21</u>
Equipment Description <u>Spent Fuel Pit Heat Exchanger</u>	
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) The anchorage is consistent with plant drawings 9321-F-11973-8 and 9321-F-12003-7. 	Y⊠ N∏ U∏ N/A∏ n
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX NI UI
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? Yes, soft targets are free from impact by nearby equipment or structures.	Y⊠ N□ U□ N/A□
8. Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment? Oberserved two masonry block walls at the south and east side of the room. The block walls are seismically qualified in calculation 2123-039 001.	I, Y⊠ N⊡ U⊡ N/A⊡
 Do attached lines have adequate flexibility to avoid damage? Yes, attached lines have adequate flexibility to avoid damage. 	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects.	Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	iP3
Seismic Walkdown Checklist (SWC) <u>SWEL2-004</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>ACAHSFI</u>	Equip. Class ¹ _21
Equipment Description <u>Spent Fuel Pit Heat Exchanger</u>	
Other Adverse Conditions	
 Have you looked for and found no other seismic conditions that cound adversely affect the safety functions of the equipment? Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment. 	ıld Y⊠ N⊡ U⊡ t
Comments (Additional pages may be added as necessary)	
References:	
9321-F-25143-14	
IP3V-299-0008-1	
9321-F-11973-8	
AWC-042	
Calculation 2123-039-001	
Evaluated by: <u>Maggie Farah</u>	Date: <u>10/25/12</u>
Kai Lo IC.	10/25/12



ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	IP3
	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SWEL2-005</u>	
Equipment ID No. <u>PUMP #31 PRIMARY LOOP</u>	Equip. Class ¹ _5
Equipment Description <u>BUSFPC Primary Loop Pump 31</u>	
Location: Bldg. <u>FSB</u> Floor El. <u>95</u>	Room, Area
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdo SWEL. The space below each of the following questions may be used to re findings. Additional space is provided at the end of this checklist for docum	wn of an item of equipment on the ecord the results of judgments and nenting other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)? No, the anchorage configuration verification is not required. 	one Y□ N⊠
 Is the anchorage free of bent, broken, missing or loose hardware? Yes, the anchorage is free of bent, broken, missing or loose hardwardwardwardwardwardwardwardwardwardw	Y⊠ N∏ U∏ N/A⊡ are.
 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes, the anchorage is free of corrosion that is more than mild surface oxidation. 	Y⊠ N□ U□ N/A□ ce
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes, the anchorage is free of visible cracks in the concrete near the anchor.	Y⊠ N⊡ U⊡ N/A⊡

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL2-005</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>PUMP #31 PRIMARY LOOP</u>	Equip. Class ¹ _5
Equipment Description <u>BUSFPC Primary Loop Pump 31</u>	
5. Is the anchorage configuration consistent with plant documentation (Note: This question only applies if the item is one of the 50% for w an anchorage configuration verification is required.) Not applicable since is not part of the anchorage configuration verification.	n? Y N U U N/A⊠ /hich
 Based on the above anchorage evaluations, is the anchorage free potentially adverse seismic conditions? Yes, based on the above anchorage evaluations, the anchorage is free of potentially adverse seismic conditions. 	of Y⊠N□U□
Interaction Effects	
 Are soft targets free from impact by nearby equipment or structures Yes, soft targets are free from impact by nearby equipment or structures. 	s? Y⊠ N□ U□ N/A□
8. Are overhead equipment, distribution systems, ceiling tiles and ligh and masonry block walls not likely to collapse onto the equipment? Yes, overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls are not likely to collapse onto the equipment.	nting, Y⊠ N⊡ U⊡ N/A⊡
9. Do attached lines have adequate flexibility to avoid damage? Yes, attached lines have adequate flexibility to avoid damage.	Y⊠ N□ U□ N/A□
 Based on the above seismic interaction evaluations, is equipment f of potentially adverse seismic interaction effects? Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects. 	free Y⊠ N∏ U∏

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	IP3
Seismic Walkdown Checklist (SWC) SWEL2-005	Status: Y⊠ N∏ U∏
Equipment ID No. <u>PUMP #31 PRIMARY LOOP</u>	Equip. Class ¹ _5
Equipment Description <u>BUSFPC Primary Loop Pump 31</u>	
Other Adverse Conditions	
 Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Yes, we have looked for and found no other seismic conditions that 	
<u>Comments (Additional pages may be added as necessary)</u>	
References:	
9321-F-25143-14	
Evaluated by: Maggie Farah	Date: <u>10/25/12</u>
Kai Lo IC. C	10/25/12

	SEISMIC WALKDOWN CHECKLIST FOR
Sheet 4 of 4	IP3
Seismic Walkdown Checklist (SWC) SWEL2-005	Status: Y⊠ N□ U□
	Equip Class ¹ 5
Equipment Description BUSEPC Primary Loop Pump 31	
Equipment Description <u>DOSFPC Primary Loop Pump ST</u>	
ARABA A ARABA A ARABA A ARABA A ARABA A ARABA A ARABA A A A	
Noto: Pump #21 Primary Loop	
Note: Pump #31 Primary Loop Note:	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
iheet 1 of 4	IP3
Seismic Walkdown Checklist (SWC) SWEL2-006	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>PUMP #32 PRIMARY LOOP</u>	Equip. Class ¹ _5
Equipment Description BUSFPC Primary Loop Pump 32	
_ocation: Bldg. <u>FSB</u> Floor El. <u>95</u>	Room, Area
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Wa SWEL. The space below each of the following questions may be used findings. Additional space is provided at the end of this checklist for do	alkdown of an item of equipment on the I to record the results of judgments and ocumenting other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is the of the 50% of SWEL items requiring such verification)? No, the anchorage configuration verification is not required. 	item one Y N⊠
 Is the anchorage free of bent, broken, missing or loose hardwa Yes, the anchorage is free of bent, broken, missing or loose hardwa 	are? Y⊠ N⊡ U⊡ N/A⊡ ardware.
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes, the anchorage is free of corrosion that is more than mild surface.	ce Y⊠ N⊡ U⊡ N/A⊡ surface
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes the anchorage is free of visible cracks in the concrete near 	Y⊠ N⊡ U⊡ N/A⊡

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 SE	EISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL2-006</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>PUMP #32 PRIMARY LOOP</u>	Equip. Class ¹ _5
Equipment Description _BUSFPC Primary Loop Pump 32	
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for whic an anchorage configuration verification is required.) Not applicable since is not part of the anchorage configuration verification.	Y□ N□ U□ N/A⊠ h
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX N U
Yes, based on the above anchorage evaluations, the anchorage is free of potentially adverse seismic conditions.	
Interaction Effects	
 Are soft targets free from impact by nearby equipment or structures? Yes, soft targets are free from impact by nearby equipment or structures. 	Y⊠ N□ U□ N/A□
8. Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment? Yes, overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls are not likely to collapse onto the equipment.	g, Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage? Yes, attached lines have adequate flexibility to avoid damage.	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects.	Y⊠N⊡U⊡

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	IP3
	Status: Y🛛 N🗍 U
Seismic Walkdown Checklist (SWC) <u>SWEL2-006</u>	
Equipment ID No. <u>PUMP #32 PRIMARY LOOP</u>	Equip. Class ¹ _5
Equipment Description BUSFPC Primary Loop Pump 32	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment.	t
Comments (Additional pages may be added as necessary)	
References:	
AWC-043	
9321-F-20143-14	
Evaluated by: Maggie Farah	Date: <u>10/25/12</u>
Kai Lo IC. C	10/25/12

TACHMENT 5.0	SEISMIC WALKDOWN CHECKLIST FOR
heet 4 of 4	IP3
	Status: YX N U
Seismic Walkdown Checklist (SWC) <u>SWEL2-006</u>	
Equipment ID No. PUMP #32 PRIMARY LOOP	Equip. Class ¹ _5
Equipment Description <u>BUSFPC Primary Loop Pump 32</u>	
Photographs	
RIN AREA AREA AREA AREA AREA AREA AREA	
Note: Pump #32 primary loop Note:	
	a 1 1 - Andrew - Marine Andrew - A

ATTACHMENT 9.6 SEISM	IC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	IP3
Sciencia Walledown Charlelint (SWC) SWEL2 007	Status: Y🛛 N🗌 U
Seismic Walkdown Checklist (SWC) <u>SWELZ-007</u>	
Equipment ID No. <u>BSFPC Plate Heat Exchanger</u> Equ	uip. Class ¹ _21
Equipment Description <u>BUSFPC Paraflow Plate Heat Exchanger</u>	······································
Location: Bldg. <u>FSB</u> Floor El. <u>95</u> Roo	om, Area
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting	an item of equipment on the the results of judgments and g other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes, the anchorage configuration verification is required. 	Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes, the anchorage is free of bent, broken, missing or loose hardware.	Y⊠ N□ U□ N/A□
 Is the anchorage free of corrosion that is more than mild surface oxidation? Yes, the anchorage is free of corrosion that is more than mild surface oxidation. 	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
Yes, the anchorage is free of visible cracks in the concrete near the anchor.	

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL2-007</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>BSFPC Plate Heat Exchanger</u>	Equip. Class ¹ _ <u>21</u>
Equipment Description <u>BUSFPC Paraflow Plate Heat Exchanger</u>	
5. Is the anchorage configuration consistent with plant documentatio (Note: This question only applies if the item is one of the 50% for an anchorage configuration verification is required.) Drawing IP3V-2022-0001 shows the anchorage details for the Pla Heat Exchanger. This drawing shows the base plate attached to the wide flange has one bolt. SWES noted that there are 3 extra bolts this base plates which is acceptable since the extra bolts provide capcity.	n? Y N U N/A which ate he s on more
6. Based on the above anchorage evaluations, is the anchorage free potentially adverse seismic conditions?	eof Y⊠N⊟U⊟
Yes, based on the above anchorage evaluations, the anchorage is free of potentially adverse seismic conditions.	s
Interaction Effects	
 Are soft targets free from impact by nearby equipment or structure Yes, soft targets are free from impact by nearby equipment or structures. 	es? Y⊠ N□ U□ N/A□
8. Are overhead equipment, distribution systems, ceiling tiles and lig and masonry block walls not likely to collapse onto the equipment Yes, overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls are not likely to collapse onto th equipment.	hting, Y⊠ N⊡ U⊡ N/A⊡ ? e
 Do attached lines have adequate flexibility to avoid damage? Yes, attached lines have adequate flexibility to avoid damage. 	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment of potentially adverse seismic interaction effects? Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects	sfree Y⊠ N⊡ U⊡

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	IP3
Seismic Walkdown Checklist (SWC) SWEL2-007	Status: Y N U
Equipment ID No. <u>BSFPC Plate Heat Exchanger</u>	Equip. Class ¹ _21
Equipment Description <u>BUSFPC Paraflow Plate Heat Exchanger</u>	
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that conditions that conditions that conditions and the adversal of th	ould Y⊠ N□ U□
Yes, we have looked for and found no other seismic conditions th could adversely affect the safety functions of the equipment.	at
Comments (Additional pages may be added as necessary)	······
References: AWC-043	
IP3V-2022-0001, Rev. 1, sh. 1	
Evaluated by: <u>Maggie Farah</u>	Date: <u>10/25/12</u>

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL2-007</u>	Status: Y N U
Equipment ID No. <u>BSFPC Plate Heat Exchanger</u>	Equip. Class ¹ _21
Equipment Description BUSFPC Paraflow Plate Heat Exchanger	

Photographs



Note: BSFPC plate heat exchanger



Note: base plate with 3 additional bolts.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	IP3
	Status: Y🛛 N🗌 U
Seismic Walkdown Checklist (SWC) <u>SWEL2-008</u>	
Equipment ID No. <u>SFPB Bridge Crane</u>	Equip. Class ¹ _0
Equipment Description <u>Spent Fuel Pit Bridge Crane</u>	
Location: Bldg. <u>FSB</u> Floor El. <u>95</u>	Room, Area
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdor SWEL. The space below each of the following questions may be used to r findings. Additional space is provided at the end of this checklist for docum	own of an item of equipment on the record the results of judgments and nenting other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)? 	none Y N
No, the anchorage configuration verification is not required.	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Yes, the anchorage is free of bent, broken, missing or loose hardw	/are.
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Yes, the anchorage is free of corrosion that is more than mild surfa oxidation.	ace
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠
The crane is attached to structural steel.	

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.
ATTACHMENT 9.6 SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL2-008</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>SFPB Bridge Crane</u> E	quip. Class ¹ _0
Equipment Description <u>Spent Fuel Pit Bridge Crane</u>	····
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Y□ N□ U□ N/A⊠
Not applicable since is not part of the anchorage configuration verification.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX NI UI
Yes, based on the above anchorage evaluations, the anchorage is free of potentially adverse seismic conditions.	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Yes, soft targets are free from impact by nearby equipment or structures.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y N N U N/A
Yes, overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls are not likely to collapse onto the equipment.	
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Yes, attached lines have adequate flexibility to avoid damage.	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YX N U
Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects.	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	IP3
	Status: Y🖾 N🗌 U
Seismic Walkdown Checklist (SWC) <u>SWEL2-008</u>	
Equipment ID No. <u>SFPB Bridge Crane</u>	Equip. Class ¹ _0
Equipment Description <u>Spent Fuel Pit Bridge Crane</u>	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	Id Y⊠ N⊡ U⊡
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment.	
<u>Comments</u> (Additional pages may be added as necessary)	
References:	
9321-F-25143-14	
9321-F-13063-5	
9321-F-13883-9	
AWC-043	
Aspana	
Evaluated by: <u>Maggie Farah</u>	Date: <u>10/25/12</u>
rO	
Kai Lo LC. CA	10/25/12

ATTACHMENT 9.6 SEISMIC WALKDOWN CHECKLIST FORM Sheet 4 of 5 IP3 Status: Y⊠ N□ U□ Status: Y⊠ N□ U□ Equipment ID No. SFPB Bridge Crane Equip. Class¹ 0 Equipment Description Spent Fuel Pit Bridge Crane Equip. Class¹ 0 Photographs From the second second

Note: SFPB bridge crane

Note:

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	IP3
	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SWEL2-008</u>	
Equipment ID No. <u>SFPB Bridge Crane</u>	Equip. Class ¹ _0
Equipment Description <u>Spent Fuel Pit Bridge Crane</u>	
Note: no photos attached	nte:

EN-DC-168 REV 0

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL2-009</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>FSB Crane</u>	Equip. Class ¹ _0
Equipment Description _ <u>Fuel Storage Building 40/5 Ton Crane</u>	
Location: Bldg. <u>FSB</u> Floor El. <u>137</u>	Room, Area
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkder SWEL. The space below each of the following questions may be used to findings. Additional space is provided at the end of this checklist for document	own of an item of equipment on the record the results of judgments and nenting other comments.
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)? No, the anchorage configuration verification is not required. 	n one Y□ N⊠
 Is the anchorage free of bent, broken, missing or loose hardware? Yes, the anchorage is free of bent, broken, missing or loose hardwardwardwardwardwardwardwardwardwardw	Y⊠ N⊡ U⊡ N/A⊡ vare.
 Is the anchorage free of corrosion that is more than mild surface oxidation? Yes, the anchorage is free of corrosion that is more than mild surface oxidation. 	Y⊠ N⊡ U⊡ N/A⊡
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not applicable since the anchorage is attached to steel.	Y N U N/A

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	IP3
	Status: Y🛛 N 🗌 U
Seismic Walkdown Checklist (SWC) <u>SWEL2-009</u>	
Equipment ID No. <u>FSB Crane</u>	Equip. Class ¹ _0
Equipment Description Fuel Storage Building 40/5 Ton Crane	
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for wh an anchorage configuration verification is required.) Not applicable since is not part of the anchorage configuration verification.	Y N U N/A⊠ ich
6. Based on the above anchorage evaluations, is the anchorage free o potentially adverse seismic conditions?	f Y⊠ N□ U□
Yes, based on the above anchorage evaluations, the anchorage is free of potentially adverse seismic conditions.	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? Not applicable since the crane is not a soft target.	? Y□ N□ U□ N/A⊠
8. Are overhead equipment, distribution systems, ceiling tiles and lighti and masonry block walls not likely to collapse onto the equipment? Yes, overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls are not likely to collapse onto the equipment.	ng, Y⊠ N∏ U∏ N/A∏
 Do attached lines have adequate flexibility to avoid damage? Yes, attached lines have adequate flexibility to avoid damage. 	Y⊠ N∏ U∏ N/A∏
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes, based on the above seismic interaction evaluations, the equipment is free of potentially adverse seismic interaction effects.	e Y⊠ N∏ U∏

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	IP3
Seismic Walkdown Checklist (SWC) <u>SWEL2-009</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>FSB Crane</u>	Equip. Class ¹ _0
Equipment Description <u>Fuel Storage Building 40/5 Ton Crane</u>	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cound adversely affect the safety functions of the equipment? Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment.	ıld Y⊠ N∏ U∏ t
Comments (Additional pages may be added as necessary)	
References:	
9321-F-25143-14	
9321-F-13063-5	
AWC-043	
Evaluated by: <u>Maggie Farah</u>	Date: <u>10/25/12</u>
Kai Lo I.C.	10/25/12

•

TTACHMENT 9.6		and a second	SEISMIC WALK	DOWN CHECK	LIST FO
heet 4 of 4	uit.				IP3
	eismic Walkdown Checklist (SWC) <u>SWEL2-009</u> guipment ID No. <u>FSB Crane</u>		Statu	us: Y⊠ N[
Seismic Walkdown Checklist (Equip. Class ¹ _0		
Equipment ID No. FSB Crane					
Equipment Description _Fuel Stora	ige Building 40/5 T	on Crane			
Photographs		en j			
	98 m. 1				iaunioli ijoo.
A sea 1/					
A CONTRACTOR					
AD AN OF					
THE REAL PROPERTY OF					
THE SALVAN					
	- Wa				
	1111 and	ан Ж. А			
loto: ESP cropo		Noto			
		NOLE.			
					<u></u>

ATTACHMENT D – AREA WALK-BY CHECKLISTS (AWCs)

Engineering Report No. 1P-RPT-12-00039 Rev. 0 Page D-1 of 192

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC) <u>AWC-001</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>DG</u> Floor EI. <u>15'-0"</u> Room, Area ¹	
SWEL Components: <u>SWEL1-006, 017</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	one or more SWEL items. The of judgments and findings. comments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Anchorage of equipment in the area appears to be free of potentially adverse seismic conditions. 	Y⊠ N∏ U∏ N/A□
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? Anchorage of equipment in the area appears 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)? Cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions.	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.

Аттасниелт 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC-001</u>	IP3 Status: Y⊠ N∏ U∏
Location: Bldg. <u>DG</u> Floor El. <u>15'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-006, 017	
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)? Junction box cover adjacent to Appendix R EBR-8-EDG cabinet directly above CO2-CP-1A cabinet only has two of four screws in place (see attached photo). The plate is light in weight and the existing screws are tight and secure. This is judged to be adequate.	Y⊠ N□ U□ N/A□
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? The area is free of potentially adverse solaring interactions that could be adverse solaring interactions.	Y⊠ N□ U□ N/A□
 cause flooding or spray in the area. 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? The area is free of potentially adverse seismic interactions that could 	Y⊠ N□ U□ N/A□
 cause a fire in the area. 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? The area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations. 	Y⊠ N□ U□ N/A□

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklist (AV	VC) <u>AWC-0</u>	001	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. DG F	loor El. <u>15'-0"</u>	Room, Area ¹	
SWEL Components: <u>SW</u>	EL1-006, 017		
 Have you looked for and adversely affect the safe 	found no other set ty functions of the	eismic conditions that could equipment in the area?	YX N U
Yes, we have looked for could adversely affect the	and found no oth e safety functions	er seismic conditions that of the equipment.	
<u>Comments (</u> Additional pages m	ay be added as r	necessary)	
Evaluated by: <u>Paul Huebsch</u>	(and) 14	- L	Date: <u>10/09/2012</u>
Maggie Farah	The	na	10/09/2012

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 4 of 4 Area Walk-By Checklist (AWC) <u>AWC-001</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. DG Floor El. 15'-0" R	oom, Area ¹
SWEL Components: SWEL1-006, 017	
Photographs	ang na mang na sang na mang na sang na na na na na na sang na s
Note: Junction box cover adjacent with 2 missing screws.	Note:

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC) <u>AWC-002</u>	iP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>CB</u> Floor EI. <u>15'-0"</u> Room, Area ¹ <u>SW</u>	ITCHGEAR ROOM
SWEL Components: <u>SWEL1-099, 090, 056, 057, 071, 014,</u>	015, 013
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-B space below each of the following questions may be used to record the Additional space is provided at the end of this checklist for documenting	By near one or more SWEL items. The e results of judgments and findings. g other comments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessa opening cabinets)? 	Y⊠ N⊡ U⊡ N/A⊡ arily
Anchorage of equipment in the area appears to be free of poter adverse seismic conditions.	ntially
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Anchorage of equipment in the area appears to be free of signif degraded conditions.	ficant
3. Based on a visual inspection from the floor, do the cable/conduir raceways and HVAC ducting appear to be free of potentially ad seismic conditions (e.g., condition of supports is adequate and f conditions of cable trays appear to be inside acceptable limits)?	it Y⊠ N⊡ U⊡ N/A⊡ verse fill
Cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of suppor adequate and fill conditions of cable trays appear to be inside acceptable limits.	f ts is

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.

				ALK-BY CHECKLIS
iheet 2 of 5 Area Walk-By Checkli	st (AWC) <u>AWC-0</u>	02	Stati	IP3 Js: Y⊠ N□ U[
Location: Bldg. <u>CB</u>	Floor El. <u>15'-0"</u>	Room, Area ¹ <u>SWITCHGI</u>	EAR ROOM	
SWEL Components:	SWEL1-099, 090, 0	<u>56, 057, 071, 014, 015, 01</u>	<u>13</u>	
 Does it appear that spatial interactions and lighting)? 	It the area is free of pote s with other equipment in	ntially adverse seismic the area (e.g., ceiling tiles	YX N I	J N/A[]
Fluorescent fixture acceptable. Howe and drop in a seis targets in the area	es are secured to the sup ver, the bulbs are not se mic event. Judged seism . This has been docume.	porting structure and are cured and could be loosened ically acceptable given hard nted in CR-IP3-2012-03123.	1	
5. Does it appear tha interactions that co	It the area is free of pote buld cause flooding or sp	ntially adverse seismic oray in the area?	Y⊠ N∏ I	J N/A
The area is free of cause flooding or s	f potentially adverse seis spray in the area.	mic interactions that could		
6. Does it appear tha interactions that co	it the area is free of pote buld cause a fire in the a	ntially adverse seismic rea?	Y⊠ N⊡ I	J N/A
The area is free of cause a fire in the	f potentially adverse seis area.	mic interactions that could		
 Does it appear tha interactions assoc portable equipmer shielding)? 	t the area is free of pote iated with housekeeping nt, and temporary installa	ntially adverse seismic practices, storage of ttions (e.g., scaffolding, lead	Y⊠ N⊟ I	J N/A
The area is free of	f potentially adverse seis	mic interactions associated		-

`

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checklist (AWC)AW	IP3 Status: Y⊠ N⊟ U⊟ C-002
Location: Bldg. <u>CB</u> Floor El. <u>15'-0</u>	Room, Area ¹ SWITCHGEAR ROOM
SWEL Components: <u>SWEL1-099, 09</u>	0, 056, 057, 071, 014, 015, 01 <u>3</u>
 Have you looked for and found no othe adversely affect the safety functions of 	r seismic conditions that could $Y \boxtimes N \square U \square$ the equipment in the area?
Speakers are supported directly off of o that in a seismic event that the speake IA-642 and IA-73-1. A closer review de not impact the valves. Therefore, this is	conduit and there was a concern rs could rotate and impact valves termined that the speakers could s not a seismic concern.

Comments (Additional pages may be added as necessary)

Observed a crack crossing the east bolt of a conduit support on the north wall for conduits coming out of Relay Box TR-2 K00. The conduit support consist of a P1000 Unistrut with two 3/8" diameter bolts supporting $\approx 1\frac{1}{2}$ " and $\approx \frac{3}{4}$ " diameter conduits (see attached photos). A sketch of the crack and the support is shown below for clarification. This is evaluated in LB-16.



Observed a Unistrut connection angle clip has play in it which allows the spring nut in the Unistrut to wiggle and not tighten the bolt. The tube track is adjacent to the heater 25 in the Control building elevation 15. This allows the unistrut to wiggle but is still operable. Not a seismic interaction issue since it will not dislodge and small load. This is documented in CR-IP3-2012-3416.

Evaluated by: <u>Paul Huebsch</u>	Date: <u>10/09/2012</u>	
Maggie Farah	10/09/2012	
Kai Lo I.C. C	Date: <u>10/09/2012</u>	

ATTACHMENT 9.7						AREA WAL	к-Вү	CHECKLIS
Sheet 4 of 5 Area Walk-By Checkli	st (AWC)	AWC-002	2			Status:	Y⊠	IP3 N□ U[
Location: Bldg. CB	Floor El.	<u>15'-0"</u>	Room,	Area ¹ SWI	TCHGEAR P	ROOM		
SWEL Components:	SWEL1-0	99, 090, 05	6, 057,	071, 014, 0) <u>15, 013</u>			
Photographs								
Note: conduit support	east of Relay E	Box TR-2 KO		Note: crack	a near the ea	ast bolt		

ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5		IP3 Statua: VM ND UD
Area Walk-By Checkli	st (AWC) <u>AWC-0</u>	02
Location: Bldg. <u>CB</u>	Floor El. <u>15'-0"</u>	Room, Area ¹ SWITCHGEAR ROOM
SWEL Components:	SWEL1-099, 090, 0	<u>56, 057, 071, 014, 015, 013</u>



ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AW	C) <u>AWC-003</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. CB Flo	or El. <u>15'-0"</u> Room, Area ¹ <u>A/C EQL</u>	JIPMENT ROOM
SWEL Components: SWE	L- 1-054, 055	
Instructions for Completing Che	ecklist	
This checklist may be used to doc space below each of the following Additional space is provided at the	ument the results of the Area Walk-By nea questions may be used to record the resu e end of this checklist for documenting othe	ar one or more SWEL items. The Its of judgments and findings. er comments.
 Does anchorage of equipm potentially adverse seismic opening cabinets)? 	nent in the area appear to be free of c conditions (if visible without necessarily	YX N UNA
Yes anchorage of equipme potentially adverse seismic	ent in the area appears to be free of c conditions.	
 Does anchorage of equipm significant degraded conditional 	nent in the area appear to be free of tions?	Y⊠ N∏ U∏ N/A∏
Yes anchorage of equipme significant degraded condi	ent in the area appears to be free of tions.	
 Based on a visual inspection raceways and HVAC ducting seismic conditions (e.g., conditions of cable trays approximate) 	on from the floor, do the cable/conduit ng appear to be free of potentially adverse ondition of supports is adequate and fill opear to be inside acceptable limits)?	Y□ N⊠ U□ N/A□
Unistrut on masonry block the Unistrut is supported w approximately 4 feet of uns CR-IP3-2012-03129.	wall 53B is missing an anchor. The base o ith duct tape and the Unistrut now has supported cantilever. This is documented i	n

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC-003</u>	IP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>CB</u> Floor EI. <u>15'-0"</u> Room, Area ¹ <u>A/C EQUIPI</u>	MENT ROOM
SWEL Components: <u>SWEL-1-054, 055</u>	
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∏
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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 N U N/A
Yes it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N∏ U∏ N/A∏
Yes it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y□ N⊠ U□ N/A□
The nitrogen tank at IA-PCV-817 is adequately supported at the wall. However, the steel cap for the tank is loose on a wall channel behind the tank and could be displaced by a seismic event and strike nearby equipment. This is documented in CR-IP3-2012-03128.	

•

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC-003</u>	IP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>CB</u> Floor El. <u>15'-0"</u> Room, Area ¹ <u>A/C EQUIPM</u>	IENT ROOM
SWEL Components: <u>SWEL- 1-054, 055</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?	YX N U
Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
<u>Comments</u> (Additional pages may be added as necessary)	
Evaluated by: Paul Huebsch	Date: <u>10/09/2012</u>
Maggie Farah Mada	
	_ Date: <u>10/09/2012</u>

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 4 of 4		•	IP3 Status: Y⊠ N∏ U∏
	st (AVVC) <u>AVVC-00</u>	<u> </u>	
Location: Bldg. <u>CB</u>	Floor El. <u>15'-0"</u>	_ Room, Area ¹ <u>A/C EC</u>	QUIPMENT ROOM
SWEL Components:	SWEL- 1-054, 055		
Photographs			
Note: No photos attach	hed	Note:	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC) <u>AWC-004</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>CB</u> Floor El. <u>33'-0"</u> Room, Area ¹ <u>Battery Roo</u>	om 31
SWEL Components: <u>SWEL1-065</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	one or more SWEL items. The of judgments and findings. comments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes anchorage of equipment in the area appears to be free of potentially adverse seismic conditions. 	
 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes anchorage of equipment in the area appears 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)? Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.	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.

	AREA WALK-BY CHECKLIS
reet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC-004</u>	IP3 Status: Y⊠ N⊡ U⊡
ocation: Bldg. <u>CB</u> Floor El. <u>33'-0"</u> Room, Area ¹ <u>Battery F</u>	Room 31
SWEL Components: <u>SWEL1-065</u>	
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□ s
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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∏
Yes it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N∏ U∏ N/A∏
Yes it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lea shielding)?	Y⊠ N∏ U∏ N/A∏ ad
Yes it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.	

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklin	st (AWC) AWC-	004	IP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>CB</u>	Floor El. <u>33'-0"</u>	Room, Area ¹ <u>Battery Ro</u>	pom 31
SWEL Components:	SWEL1-065		
8. Have you looked for adversely affect the	or and found no other s e safety functions of th	seismic conditions that could e equipment in the area?	YX N U
Yes we have looke could adversely af	ed for and found no oth fect the safety function	er seismic conditions that s of the equipment in the area	a.
Comments (Additional pa	ages may be added as	necessary)	
	<u></u>		
Evaluated by: <u>Paul Huebs</u>	ich (fur) / H.C.		Date: <u>10/10/2012</u>
<u>Maggie Far</u>	an Afara	-	10/10/2012
	\sim		

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 4 of 4 Area Walk-By Checklis	st (AWC) <u>AW</u>	<u>C-004</u>	iP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>CB</u>	Floor El. <u>33'-0</u>	" Room, Area ¹ <u>Bat</u>	tery Room 31
SWEL Components:	SWEL1-065		
Photographs			
Note: No photos attach	ed.	Note:	

ATTACHMENT 9.7				AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklis	t (AWC) <u>AWC-0</u>	<u>05</u>		IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. CB	Floor El. <u>33'-0"</u>	Room, Area ¹	BATTERY ROOM	32
SWEL Components:	SWEL1-066		· · · · · · · · · · · · · · · · · · ·	
Instructions for Completi	ing Checklist			
This checklist may be used space below each of the fo Additional space is provide	I to document the result Ilowing questions may f d at the end of this che	ts of the Area Wa be used to record cklist for docume	lk-By near one or n I the results of judg nting other comme	nore SWEL items. The ments and findings. nts.
 Does anchorage of potentially adverse opening cabinets)? 	equipment in the area a seismic conditions (if vi	appear to be free isible without nec	of Y⊠ ∋ssarily	
Yes anchorage of e potentially adverse	quipment in the area ap seismic conditions.	ppears to be free	of	
2. Does anchorage of significant degraded	equipment in the area a d conditions?	appear to be free	of Y⊠	
Yes anchorage of e significant degraded	quipment in the area ap d conditions.	ppears to be free	of	
 Based on a visual ir raceways and HVA seismic conditions (conditions of cable Yes based on a visu raceways and HVA seismic conditions. 	nspection from the floor C ducting appear to be (e.g., condition of suppo trays appear to be insid ual inspection from the C ducting appears to be	r, do the cable/con free of potentially orts is adequate a le acceptable limi floor, the cable/co e free of potential	nduit Y⊠ adverse nd fill ts)? onduit ly adverse	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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC-005</u>	IP3 Status: Y⊠ N∏ U∏
Location: Bldg. <u>CB</u> Floor El. <u>33'-0"</u> Room, Area ¹ <u>BATTERY R</u>	OOM 32
SWEL Components:	
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)?	
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
Yes it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Yes it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.	

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklist	(AWC) <u>AWC-</u>	<u>005</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>CB</u>	Floor El. <u>33'-0"</u>	Room, Area ¹ BATTERY	7 ROOM 32
SWEL Components:	SWEL1-066		
 Have you looked for adversely affect the s 	and found no other s safety functions of the	eismic conditions that could e equipment in the area?	YX N U
Yes we have looked could adversely affect	for and found no othe of the safety functions	er seismic conditions that s of the equipment in the area	а.
Comments (Additional page	es may be added as i	necessary)	
	(tul) 14. C		
Evaluated by: <u>Paul Huebsch</u>			Date: <u>10/10/2012</u>
Kailo	- C		<u>10/10/2012</u>

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 4 of 4 Area Walk-By Checklist	(AWC) AWC-	005	IP3 Status: Y⊠ N∏ U∏
Location: Bldg. <u>CB</u>	Floor El. <u>33'-0"</u>	Room, Area ¹ BATTERY	ROOM 32
SWEL Components:	SWEL1-066	·····	
Photographs		· · · · · · · · · · · · · · · · · · ·	
Note: No photos attache	d.	Note:	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC) <u>AWC-006</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>CB</u> Floor El. <u>33'-0"</u> Room, Area ¹ <u>BATTERY</u>	ROOM 34
SWEL Components: <u>SWEL1-068</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	one or more SWEL items. The of judgments and findings. comments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.	
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse	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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4	
Area Walk-By Checklist (AWC) <u>AWC-006</u>	
Location: Bldg. <u>CB</u> Floor El. <u>33'-0"</u> Room, Area ¹ <u>BATTERY</u>	ROOM 34
SWEL Components: SWEL1-068	
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)?	
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC-006</u>	IP3 Status: Y⊠ N∏ U∏
Location: Bldg. <u>CB</u> Floor El. <u>33'-0"</u> Room, Area ¹ <u>BATTERY F</u>	ROOM 34
SWEL Components: SWEL1-068	
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	YX N U
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
Comments (Additional pages may be added as necessary)	
Evaluated by: <u>Paul Huebsch</u>	Date: <u>10/10/2012</u>
Maggie Farah Martana	10/10/2012
Kailo IC. C	10/10/2012

ATTACHMENT 9.7					AREA WALK-BY	CHECKLIST
Sheet 4 of 4					<u> </u>	IP3
Area Walk-By Checklist		/C-006			Status: YX	
		<u></u>				
Location: Bldg. <u>CB</u>	Floor EI. <u>33'-(</u>	<u>2"</u> Room,	Area ¹	BATTERY ROOM	Л 34	
SWEL Components:	SWEL1-068			·		
Photographs			<u>Annon</u>			
				······································	1992	
Notes No shakes sheets			1-4			
Note: No photos attache	<i>a.</i>		vote:			

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC) <u>AWC-007</u>	IP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>CB</u> Floor El. <u>33'-0"</u> Room, Area ¹ <u>CABLE SPR</u>	EADING ROOM
SWEL Components: <u>SWEL1-019, 073, 074, 070, 063, 064, 059, 016</u> 018, 069, 072	<u>, 060, 020, 012, 075, 089,</u>
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near or space below each of the following questions may be used to record the results or Additional space is provided at the end of this checklist for documenting other content of the space space is provided at the end of the content of the space	ne or more SWEL items. The of judgments and findings. comments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	Y NX U N/A
Cable tray 34K support against the north wall is missing a Unistrut bolt. The support has 3 bolt holes with only two bolts in place (see attached photos). This is documented in CR-IP3-2012-03281.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Anchorage appears to be free of degraded conditions.	
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N□ U□ N/A□
Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.	

[•] 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.

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 2 of 4			IP3 Status: Y⊠ N⊡ U⊡
Area Walk-By Checklis	st (AWC) <u>AWC-007</u>		
Location: Bldg. <u>CB</u>	Floor El. <u>33'-0"</u>	Room, Area ¹ <u>CABLE SPF</u>	READING ROOM
SWEL Components:	<u>SWEL1-019, 073, 074,</u> 018, 069, 072	070, 063, 064, 059, 016	5, 060, 020, 012, 075, 089 <u>,</u>
4. Does it appear that spatial interactions and lighting)?	the area is free of potentia with other equipment in the	lly adverse seismic e area (e.g., ceiling tiles	Y□ N⊠ U□ N/A□
Observed unrestra seismic event, the equipment. All fluoi CR-IP3-2012-0312	ined fluorescent bulb in the bulbs may become loose a rescent bulbs need retainer 3.	entire room. During a nd strike nearby s. This is documented in	
5. Does it appear that interactions that co	the area is free of potentia uld cause flooding or spray	lly adverse seismic in the area?	Y⊠ N∏ U∏ N/A∏
Yes it appears that interactions that co	the area is free of potentia uld cause flooding or spray	lly adverse seismic in the area.	
Does it appear that interactions that co	the area is free of potentia uld cause a fire in the area	lly adverse seismic ?	Y⊠ N∏ U∏ N/A∏
Yes it appears that interactions that co	the area is free of potentia uld cause a fire in the area.	lly adverse seismic	
 Does it appear that interactions associa portable equipment shielding)? 	the area is free of potentia ated with housekeeping pra t, and temporary installatior	lly adverse seismic actices, storage of as (e.g., scaffolding, lead	Y⊠ N∏ U∏ N/A∏
A small cable is rur cable tray supports is near the RTA bre seismic interaction	nning outside of the cable tr instead of being run in the eaker cabinet. This is not ju but is a housekeeping cons	ay and draped over the cable tray. The location dged to be an adverse sideration.	
ATTACHMENT 9.7	AREA WALK-BY CHECKLIST		
--	-----------------------------------		
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC-007</u>	IP3 Status: Y⊠ N⊡ U⊡		
Location: Bldg. <u>CB</u> Floor El. <u>33'-0"</u> Room, Area ¹ <u>CABLE SPR</u>	EADING ROOM		
SWEL Components: <u>SWEL1-019, 073, 074, 070, 063, 064, 059, 016</u> 018, 069, 072	<u>, 060, 020, 012, 075, 089,</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? There are masonry walls in the south east corner. These walls were considered as part of the IEB 80-11 analysis as walls 53D and 54 and were found to be satisfactory.	YX N U		
<u>Comments</u> (Additional pages may be added as necessary) Walked-down the entire room.			
Evaluated by: <u>Paul Huebsch</u>	_ Date: <u>10/10/2012</u>		
Maggie Farah Mara	_ Date: <u>10/10/2012</u>		
Kai Lo IC. Ca	_ Date: <u>10/10/2012</u>		

ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 4 Area Walk-By Checkl	ist (AWC) <u>AWC-007</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>CB</u>	Floor El. <u>33'-0"</u> R	oom, Area ¹ CABLE SPREADING ROOM
SWEL Components:	<u>SWEL1-019, 073, 074, 0</u> 018, 069, 072	70, 063, 064, 059, 016, 060, 020, 012, 075, 089,
Photographs		
Note: Cable tray 34k		With the second secon

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 3	IP3 Status: VM NU UU
Area Walk-By Checklist (AWC) <u>AWC- 008</u>	
Location: Bldg. <u>TB</u> Floor EI. <u>15'-0"</u> F	oom, Area ¹
SWEL Components: <u>SWEL1-007</u>	
Instructions for Completing Checklist	
This checklist may be used to document the results of space below each of the following questions may be us Additional space is provided at the end of this checklist	the Area Walk-By near one or more SWEL items. The sed to record the results of judgments and findings. for documenting other comments.
 Does anchorage of equipment in the area appendix potentially adverse seismic conditions (if visible opening cabinets)? 	ar to be free of Y⊠ N⊡ U⊡ N/A⊡ without necessarily
Panel DS-LP-501 (non-seismic) base plates ha only two bolts in place (see attached photo). The located approximately 10 feet away from 34MC integrity of the support is compromised during a MCC will not be impacted since the panel is ap Therefore, the anchorage of equipment in the a of potentially adverse seismic conditions.	ve four bolt holes but is panel support is iC, if the structural a seismic event, the proximately 10' away. rea appears to be free
2. Does anchorage of equipment in the area apper significant degraded conditions?	ar to be free of YX N UNA
Yes, the anchorage of equipment in the area ap significant degraded conditions.	pear to be free of
 Based on a visual inspection from the floor, do raceways and HVAC ducting appear to be free seismic conditions (e.g., condition of supports is conditions of cable trays appear to be inside ac 	the cable/conduit Y NX U N/A of potentially adverse adequate and fill ceptable limits)?
Firewater and water lines do not appear to be s This has been documented in CR-IP3-2012-03	eismically supported. 556.
Conduit and cable trays do not appear to be se has been documented in CR IP3-2012-03656.	ismically supported. This
4. Does it appear that the area is free of potentiall spatial interactions with other equipment in the and lighting)?	y adverse seismic Y N⊠ U N/A area (e.g., ceiling tiles
Fluorescent light bulbs are not restrained. This 2012-03661.	is addressed in CR-IP3-

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLI
Sheet 2 of 3	IP3 Status: Y⊠ N⊟ U
Area Walk-By Checklist (AWC) <u>AWC- 008</u>	
Location: Bldg. <u>TB</u> Floor El. <u>15'-0"</u> Room, Area ¹	
SWEL Components: <u>SWEL1-007</u>	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	
Non-seismically supported water lines are near 34MCC. See question #3 above.	
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□
Yes it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y□ N⊠ U□ N/A□
Two unrestrained equipment are stored approximately 15 feet away from 34MCC (see attached photo). This has been documented in CR IP3-2012-03661.	
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	
Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
Comments (Additional pages may be added as necessary)	
Evaluated by Paul Husbach	Data: 10/11/2012
	Date:
Maggie Farah	Date: 10/11/2012
Kai Lo I.C.	Date: 10/11/2012
	EN-DC-168 REV

.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIS
Sheet 3 of 3 Area Walk-By Checklist (AWC) <u>AWC- 008</u>	IP3 Status: Y⊠ N∏ U∏
Location: Bldg. TB Floor El. 15'-0"	Room, Area ¹
SWEL Components: <u>SWEL1-007</u>	
Photographs	
Note: Missing two anchors from DS-LP501 Disconnect Switch for LP501	Note: Unrestrained equipment near 34MCC

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5	IP3
Area Walk-By Checklist (AWC) <u>AWC-009</u>	Status: YX NL UL
Location: Bldg. <u>IS</u> Floor El. <u>15'-0"</u> Room, Area ¹	
SWEL Components: <u>SWEL1-008</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 cor	e or more SWEL items. The judgments and findings. nments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	
Control panels TWS#31, #32 and #33 – all nuts on the base plates are heavily corroded with substantial loss of cross section. TWS #34, #35 and #36 are less corroded but also exhibit considerable loss of cross section. CR-IP3-2012-03640 has been written to address this issue.	
The base plate of Unistrut column supporting conduits has 3 out of 4 anchor bolts missing. The nuts on the opposite base plate are heavily corroded. CR-IP3-2012-03640 has been written to address this issue.	
SCWP panel base plate has corroded nuts and the panel adjacent to TWS #34 is missing an anchor bolt in its base plate. CR-IP3-2012- 03640 has been written to address this issue.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y□ N⊠ U□ N/A□
There is degradation of base plates and anchors on conduit supports and electrical panels as described above.	
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□
Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC-009</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>IS</u> Floor EI. <u>15'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-008	
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)?	YX N U N/A
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y NX U N/A
The Common Alarm Panel adjacent to the cabinet has padlocks hanging loose on Unistruts.	
Notebooks and ear protection box are sitting loose on an adjacent panel. This is not a seismic adverse condition, it is a housekeeping issue.	
The above items are addressed in CR-IP3-2012-03640	

,

ATTACHMENT 9.7			A	REA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checkli	st (AWC) AWC-0)09		IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>IS</u>	Floor El. <u>15'-0"</u>	Room, Area ¹		
SWEL Components:	SWEL1-008			
8. Have you looked f adversely affect th	or and found no other se e safety functions of the	eismic conditions that could e equipment in the area?	۲⊠۱	
Yes, we have look could adversely af	ed for and found no oth fect the safety functions	er seismic conditions that of the equipment in the area	Э.	
Comments (Additional part This was not part this condition. Lea prevent water from	ages may be added as r of the area walkby (i.e. w king pipe near Screen w n spreading. This is doci	necessary) within 35 ft of SWEL1-008); H Vash around column line 18 umented in CR-IP3-2012-030	nowever, i that was c 640.	t is necessary to note covered with a plastic to
Evaluated by: <u>Paul Hueb</u>	sch		Date:	10/11/2012
<u>Maggie Far</u>	Mara		Date:	10/11/2012
Kai Lo /C	. G		Date:	<u>10/11/2012</u>
Kai Lo /C			Date:	<u>10/11/2012</u>

	AREA WALK-BY CHECKLIS
ist (AWC) <u>AWC-009</u>	IP3 Status: Y⊠ N∏ U[
Floor El. <u>15'-0"</u> Room,	Area ¹
SWEL1-008	
in a stand and	
	ist (AWC) <u>AWC-009</u>



AREA WALK-BY CHECKLIST
IP3 Status: Y⊠ N□ U□

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 7 Area Walk-By Checklist (AWC) <u>AWC-010</u>	IP3 Status: Y⊠ N∏ U∏
Location: Bldg. <u>IS</u> Floor El. <u>15'-0"</u> Room, Area ¹	
SWEL Components: <u>SWEL1-030, 031</u>	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near or 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	e or more SWEL items. The f judgments and findings. omments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	
Panel (PID 08219) adjacent to the door: Unistrut legs corroded and broken at the base (see attach photos). The toe plate at the floor penetration between the Unistrut legs is loose and is not protecting the opening (see attach photo).	
Service Water Pumps Annubars has rotted out at the base. The panel lacks of lateral restraints and is free to displace laterally.	
Piping grout penetration protection was found cracked and chipped at various locations allowing water seepage (see photos).	
Outer section of the grout, external o the base plate, for SWP 34 is cracked and missing. This does not affect the integrity of the support of the pump.	
The above conditions are addressed by CR-IP3-2012-03166.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y□ N⊠ U□ N/A□
See above.	

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.

Аттаснмент 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 7 Area Walk-By Checklist (AWC) <u>AWC-010</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>IS</u> Floor El. <u>15'-0"</u> Room, Area ¹	
SWEL Components:	
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□
Floor grating behind the electrical panels is not fixed to the structural steel and could displace laterally. In addition, this grating also serves as a support for conduits at the level below. Displacement of the grating would affect the support for the conduits. This condition is addressed by CR-IP3-2012-03166.	
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∏
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N∏ U∏ N/A∏
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y N N U N/A
Observed a phone and a tool box resting on the web of a beam wall. The phone and the tool box are restrained by the two beam flanges. This is judged acceptable.	
Observed a loose scaffold pole (on the floor) beneath a wall beam. During a seismic event the pole may act as a missile and strike nearby equipment. This is addressed by CR-IP3-2012-03166.	

•

ITTACHMENT 9.7	AREA WALK-BY CHECKL
heet 3 of 7 Area Walk-By Checklist (AWC) AWC-010	IP3 Status: Y⊠ N⊡ U
Location: Bldg. <u>/S</u> Floor El. <u>15'-0"</u> Room, Area ¹	
SWEL Components: <u>SWEL1-030, 031</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?	
Ceiling of the area consists of grating which, if not attached to the support steel could fall and impact the equipment. It was determined that the grating is adequately supported and would not be displaced by a seismic event.	
Electric Heat Trace Cabinet 31 has abraded cables at the top of the cabinet. The back of the cabinet is mildly corroded at the back/bottom. A box of bulbs is loose on the inside of the cabinet. An unsecured tag is on a shelf in the cabinet. A brown spot on the back of the cabinet may be the result of a burning effect due to high temperature. Electrical needs to investigate. The cabinet is addressed by CR-IP3-2012-03166.	
Comments (Additional pages may be added as necessary)	
(tand f 14. C	
Evaluated by: <u>Paul Huebsch</u>	Date: <u>10/12/2012</u>
Artara	
Maggie Farah	10/12/2012
Kaila IC.	
	10/12/2012





ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 6 of 7			IP3
Area Walk-By Checklis	st (AWC) <u>AWC-0</u>	<u>10</u>	
Location: Bldg. <u>IS</u>	Floor El. <u>15'-0"</u>	_ Room, Area ¹	
SWEL Components:	SWEL1-030, 031		



Engineering Report No. IP-RPT-12-00039, Rev. 0, Page D-45 of 192

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 7 of 7 Area Walk-By Checklist (AWC) <u>A</u>	IP3 Status: Y⊠ N□ U□
Location: Bldg. <u>IS</u> Floor El. <u>15</u>	<i>'-0"</i> Room, Area ¹
SWEL Components: _ <u>SWEL1-030</u> ,	031
Note: Cracked and chipped grout penetry protection	ation Note: Cracked and chipped grout penetration protection

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5	
Area Walk-By Checklist (AWC) <u>AWC-011</u>	Status: YX NL U
Location: Bldg. <u>YD</u> Floor EI. <u>80'-0"</u> Room, Area ¹	
SWEL Components: <u>SWEL1-094</u>	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By space below each of the following questions may be used to record the r Additional space is provided at the end of this checklist for documenting	near one or more SWEL items. The results of judgments and findings. other comments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessar opening cabinets)? 	Y⊠ N□ U□ N/A□ ily
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N∏ U∏ N/A∏
Observed mild rusting on anchorage for conduit around RWST-3 is insignificant and judged to be acceptable.	1. This
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⊠ erse I
Since the refuel water storage tank is in the yard. The above que does not apply.	stion
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling and lighting)?	: Y⊠ N⊡ U⊡ N/A⊡ tiles
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC-011</u>	IP3 Status: Y⊠ N∏ U∏
Location: Bldg. <u>YD</u> Floor El. <u>80'-0"</u> Room, Area ¹	······································
SWEL Components: <u>SWEL1-094</u>	······································
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y□ N⊠ U□ N/A□
Observed a loose chain and a Unistrut on top of the RWST-31 foundation (see attached photos).	
Observed a rock resting on the RWST-31 stiffener ring (see attached photo).	
Multiple piping insulation connections have been dislodged and held together by tape (see attached photos).	
The above is addressed by CR-IP3-2012-03213.	
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	

.

ATTACHMENT 9.7			ARE	A WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checkli	st (AWC) AWC-0	11	S	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>YD</u>	Floor El. <u>80'-0"</u>	Room, Area ¹		ų
SWEL Components:	SWEL1-094			· · ·
Comments (Additional pa	ages may be added as n	ecessary)		
		. "		
Evaluated by: <u>Paul Hue</u>	bsch (thu?] 14-C		Date: _	10/12/2012
Maggie F	arah Mara		Date: _	10/12/2012
<u>Kai Lo</u>	IC.Q		Date: _	10/12/2012

ATTACHMENT 9.7 AREA WALK-BY CHECKLIST Sheet 4 of 5 IP3 Status: Y⊠ N□ U□ Area Walk-By Checklist (AWC) ___AWC-011 Location: Bldg. YD Floor El. 80'-0'' Room, Area¹ SWEL Components: SWEL1-094 Photographs Image: Area Walk-By Checklist (AWC) ______ Note: Location on top of RWST-31 foundation. Note: Locase chain on top of RWST-31 foundation.



AREA WALK-BY CHECKLIST
IP3 Status: Y⊠ N⊡ U⊡
oom, Area ¹
Note:

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5	
Area Walk-By Checklist (AWC) <u>AWC-012</u>	Status: YX NL UL
Location: Bldg. <u>AFB</u> Floor El. <u>18'-6"</u> Room, Area ¹	······································
SWEL Components: <u>SWEL1-040, 022, 023, 086, 005, 081</u>	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near or 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 c	ne or more SWEL items. The of judgments and findings. omments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.	
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y[] N⊠ U[] N/A[]
A pipe support immediately adjacent to Appendix R cabinet ERB-47- ABFP that is attached to the ceiling has a base plate with six holes but only four bolts are installed (see attached photo). CR-IP3-2012-03580 was written to evaluate this condition.	
LB-17 evaluates this condition.	
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□
Fluorescent bulb adjacent to 32 ABFP needs to be secured to light fixture. During a seismic event the bulb may become loose and strike nearby equipment. This is documented in CR-IP3-2012-03462.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC-012</u>	IP3 Status: Y⊠ N∏ U∏
Location: Bldg. <u>AFB</u> Floor EI. <u>18'-6"</u> Room, Area ¹	······································
SWEL Components: <u>SWEL1-040, 022, 023, 086, 005, 081</u>	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	
Branch risers from the main fire water line are threaded pipe and pass in close proximity (estimate 1" +/-) to large conduit. The conduit is well supported and the fire water line would have to move axially to cause an impact. The vertical rise of the pipe is very short so it is judged that the impact will not occur. See photos.	
The sprinkler heads are at one location also in close proximity (estimate less than one inch) of adjacent conduit and could interact with the adjacent conduit in a seismic event. See photo.	
LB-18 was generated to evaluate this condition.	
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□
The area is free of potentially adverse seismic interactions which could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y N ⊠ U N/A
Scaffolding is in the area. However the green tag indicates that evaluation by Engineering has been performed.	
The work area has a bucket on the floor which is not restrained and a tool box which is not secured. This is documented in CR-IP3-2012-03462.	
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	

ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checkli	st (AWC) <u>AWC-012</u>	IP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>AFB</u>	Floor El. <u>18'-6"</u> Room, Area ¹	
SWEL Components:	SWEL1-040, 022, 023, 086, 005, 081	
Comments (Additional pa References: LB-17 LB-18	ages may be added as necessary)	
Evaluated by: <u>Paul Huebs</u>	sch (tink) 14. C	Date: <u>10/12/2012</u>
<u>Maggie Fai</u>	ah Mitara	10/12/2012

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
heet 4 of 5 Area Walk-By Checklist (AWC) AWC-012	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>AFB</u> Floor El. <u>18'-6"</u> R	com, Area ¹
SWEL Components: <u>SWEL1-040, 022, 023, (</u>	086, 005, 081
Photographs	
Note: Pipe support with only 4 bolts installed and 2 empty bolt holes.	Note: Fire water line in close proximity to a conduit.

ATTACHMENT 9.7

Sheet 5 of 5

AREA WALK-BY CHECKLIST IP3 Status: Y N U

Area Walk-By Checklist (AWC) AWC-012

Location: Bldg. AFB Floor El. <u>18'-6"</u> Room, Area¹.

SWEL Components: SWEL1-040, 022, 023, 086, 005, 081



TTACHMENT 9.7	AREA WALK-BY CHECKLIS
heet 1 of 8	IP3
Area Walk-By Checklist (AWC) <u>AWC-013</u>	Status: Y⊠ N⊡ U⊑
Location: Bldg. <u>AFB</u> Floor EI. <u>32'-6"</u> Room, Area ¹	······································
SWEL Components: SWEL1-048, 035	
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	one or more SWEL items. The is of judgments and findings. r comments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Grout at 38 Chemical Feed Pump is chipped off exposing one anchor bolt under the base plate. OK by judgment but should be repaired. CR- IP3-2012-03627 is written to address this problem. 	YX NI UI N/AI
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes, equipment anchorages are 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□
The 1" chemical feed piping around Door 218 has 18 feet of unsupported span length. See attached photo. CR IP3-2012-03627 was written to address this condition. The pipe is a non-safety related pipe. If the pipe were to collapse, it would hang at the top of the monorail. The pipe is on top of a door and there is no equipment near the door.	S
Chemical feed line pipe insulation at CF-44-2 is in contact with the support frame and heater. This is not considered a problem since the insulation around the pipe has a substantially greater diameter than the encased pipe and the insulation would be expected to flex and relieve any force that would be exerted on the pipe.	,

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 8	IP3
Area Walk-By Checklist (AWC) <u>AWC-013</u>	Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>AFB</u> Floor EI. <u>32'-6"</u> Room, Area ¹	
SWEL Components: <u>SWEL1-048, 035</u>	X
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y⊠ N∏ U∏ N/A∏
Yes, the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	YX N. UN N/A
Yes, the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Yes, the area is free of potentially adverse seismic interactions associated with housekeeping practices.	
A pair of used gloves was found next to the 33 Chemical Feed Tank. See photo.	
Unsecured stool found stored next to nitrogen tank. Not judged a serious concem because of the light weight of the stool but should be addressed as a matter of good seismic housekeeping. CR IP3-2012-03627 was written to address this condition.	
Fluorescent bulbs in the area need to be restrained.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 8	IP3
Area Walk-By Checklist (AWC) <u>AWC-013</u>	Status: Y⊠ N□ U□
Location: Bldg. <u>AFB</u> Floor EI. <u>32'-6"</u> Room, Area ¹	
SWEL Components: SWEL1-048, 035	
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	YN U
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
<u>Comments</u> (Additional pages may be added as necessary)	
Evaluated by: <u>Stephen Yuan</u>	_ Date: <u>10/16/2012</u>
Paul Huebsch	10/16/2012

TACHMENT 9.7		AREA WALK-BY CHECKLIS
eet 4 of 8		IP3
		Status: Y⊠ N⊡ U⊡
Area walk-By Check	list (AWC) <u>AWC-013</u>	
Location: Bldg. <u>AFB</u>	Floor El. <u>32'-6"</u> Room, Area ¹	
SWEL Components:	SWEL1-048, 035	
Photographs		
	Alla Managara	
r-17		

Note: Missing insulation

Note: Used gloves on floor.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 5 of 8	IP3
Area Walk-By Checklist (AWC) <u>AWC-013</u>	Status: Y⊠ N∏ U∏
Location: Bldg. AFB Floor El. 32'-6" Ro	om, Area ¹
SWEL Components: SWEL1-048, 035	
Photographs	
Note: Unsecured stool next to nitrogen tank.	Note: Missing grout at anchor bolt at 38 Chemical Feed Pump

ATTACHMENT 9.7	AREA WALK-BY CHECKLIS
heet 6 of 8	IP3
Area Walk-By Checklist (AWC) AWC-013	Status: Y⊠ N⊡ U[
Location: Bldg. AFB Floor El. 32'-6"	Room, Area ¹
SWEL Components: SWEL1-048, 035	
Photographs	
Note: Pipe insulation interference with heater.	Note: Pipe insulation with heater.

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 7 of 8			IP3
Area Walk-By Check	list (AWC) <u>AWC-</u>	<u>013</u>	Status: Y⊠ N□ U□
Location: Bldg. AFB	Floor El. <u>32'-6"</u>	Room, Area ¹	

SWEL Components: SWEL1-048, 035

Photographs



Note: Pipe insulation interference with structural steel.



Note: Air line at Door 218

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 8 of 8	IP3
Area Walk-By Checklist (AWC) <u>AWC-013</u>	Status: Y⊠ N□ U□
Location: Bldg. AFB Floor El. 32'-6" Ro	Room, Area ¹
SWEL Components: SWEL1-048, 035	i An an
Photograph	
Note: Missing insulation at value.	Note:

٢

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5	
Area Walk-By Checklist (AWC) <u>AWC-014</u>	
Location: Bldg. <u>AFB</u> Floor EI. <u>43'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-034, 091	
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 or Additional space is provided at the end of this checklist for documenting other co	e or more SWEL items. The fudgments and findings. mments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.	
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y□ N⊠ U□ N/A□
The horizontal Unistrut support next to column H8/19.5 missing a U-bolt connection to the vertical run of conduit. This condition is addressed by CR-IP3-2012-03547. The conduit span is estimated to be 16 feet between the floor and the upper support.	
LB-09 evaluates this condition.	

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.
ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC-014</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>AFB</u> Floor El. <u>43'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-034, 091	
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)?	
All fluorescent light bulbs in the area need to be secured to the light fixture. This is addressed by CR-IP3-2012-03462.	
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□
Yes, the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y N I U N/A
Yes, the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Caps from nitrogen tanks are on the floor adjacent to and unsecured. See photo. By engineering judgement, this is not considered an critical seismic issue since seismic induced displacement will not result in the caps impacting critical components. CR-IP3-2012-03457 was issued to remedy this situation.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checklist (AWC) <u>AWC-014</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>AFB</u> Floor El. <u>43'-0"</u> Room, Area ¹	
SWEL Components: <u>SWEL1-034, 091</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? Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	YN NU
<u>Comments</u> (Additional pages may be added as necessary)	
Evaluated by: Paul Huebsch	_ Date: <u>10/16/12</u>
Stephen Yuan	10/16/12

ATTACHMENT 9.7

Sheet 4 of 5

AREA WALK-BY CHECKLIST IP3 Status: YX N U

Area Walk-By Checklist (AWC) AWC-014

Location: Bldg. <u>AFB</u> Floor El. <u>43'-0"</u> Room, Area¹

SWEL Components: SWEL1-034, 091



Note: The connection of the conduit riser next to column H8/19.5 is missing the U-bolt attachment to the Unistrut.



Note: View of the unsupported length of conduit shown in previous picture.

ATTACHMENT 9.7		AREA WA	LK-BY CHECKLI
Sheet 5 of 5		 0	
Area Walk-By Checklist (AWC) <u>AWC-014</u>		Status	
Location: Bldg. <u>AFB</u> Floor El. <u>43'-0"</u> Ro	om, Area ¹		
SWEL Components: <u>SWEL1-034, 091</u>			
Photographs			*** **
			то ^п
Note: Nitrogen bottles with unsecured caps.	Note:		
			40

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC) <u>AWC-015</u>	IP3 Status: Y⊠ N∏ U∏
Location: Bldg. <u>CB</u> Floor El. <u>53'-0"</u> Room, Area ¹ <u>CONTROL ROO</u>	M
SWEL Components: SWEL1-061, 062	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near one or space below each of the following questions may be used to record the results of jud Additional space is provided at the end of this checklist for documenting other comm	more SWEL items. The lgments and findings. ents.
1. Does anchorage of equipment in the area appear to be free of YD potentially adverse seismic conditions (if visible without necessarily opening cabinets)?	
Yes, anchorage of equipment was observed to be acceptable.	
2. Does anchorage of equipment in the area appear to be free of YS significant degraded conditions?	⊠ N□ U□ N/A□
Yes, anchorage of equipment was observed to be free of degraded condition.	
3. Based on a visual inspection from the floor, do the cable/conduit YD raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	⊠ N□ U□ N/A□
Yes, all cables and conduits are well supported and free of adverse seismic conditions.	
4. Does it appear that the area is free of potentially adverse seismic Y spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	3 N U U N/A
Ceiling tiles are tied together and observed to be well secured. Therefore, the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC-015</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>CB</u> Floor El. <u>53'-0"</u> Room, Area ¹ <u>CONTROL F</u>	ROOM
SWEL Components: SWEL1-061, 062	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y□ N⊠ U□ N/A□
During a seismic event, the following observations have potential to act as a missile and strike nearby sensitive equipment: (see attached photos)	
 Rack adjacent to Instrument Bus 31 has an unrestrained laptop and printer (also documented in IP3 SWEL 1-061). Boxes against the west wall on the floor. 	
A box resting on top of a cabinet at the northwest comer of the room.	
 Three unrestrained binders on top of Hydrogen Recombiner No. 31 Control Panel. 	
 Unrestrained phones, printers and monitors at the work stations. Unsecured speaker on top of 34 Control Room Supplemental Cooler along the south wall. 	
All the above are documented in CR-IP3-2012-03398.	
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	
Observed a cart with 4 wheels by panel C-10. The cart is well secured to the floor with a large C-clamp. This is judged to be acceptable and it is not a seismic condition that could adversely affect the safety functions of equipment in the area.	

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 3 of 5			IP3 Status: Y⊠ N□ U□
Area Walk-By Checklis	t (AWC) <u>AWC-0</u>	<u>15</u>	
Location: Bldg. <u>CB</u>	Floor El. <u>53'-0"</u>	Room, Area ¹ <u>CONTROL ROOM</u>	1
SWEL Components:	SWEL1-061, 062		

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

Aspana	
Evaluated by: <u>Maggie Farah</u>	Date: <u>10/16/2012</u>
Kailo IC. C	10/16/2012

ATTACHMENT 9.7

Sheet 4 of 5

AREA WALK-BY CHECKLIST IP3 Status: YX N U

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

Room, Area¹ CONTROL ROOM Location: Bldg. CB Floor El. <u>53'-0"</u>

SWEL Components: SWEL1-061, 062

Photographs





Recombiner No. 31 Control Panel

ATTACHMENT 9.7	na. An an	A	AREA WALK-BY CHECKLIST
Sheet 5 of 5		4	
Area Walk-By Checkli	st (AWC) <u>AWC-0</u>	<u>15</u>	
Location: Bldg. CB	Floor El. <u>53'-0"</u>	Room, Area ¹ CONTROL ROOM	
SWEL Components:	SWEL1-061, 062		





ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC) <u>AWC-016</u>	IP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>AFB</u> Floor El. <u>61'-0"</u> Room, Area ¹	
SWEL Components: <u>SWEL1-004</u>	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near or 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.	ne or more SWEL items. The of judgments and findings. comments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.	
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes, the cable/conduit raceways and HVAC ducting appear to be free	Y⊠ N∏ U∏ N/A∏
of potentially adverse seismic conditions.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC-016</u>	IP3 Status: Y⊠ N∏ U∏
Location: Bldg. <u>AFB</u> Floor El. <u>61'-0"</u> Room, Area ¹	······································
SWEL Components: SWEL1-004	
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)?	
Some sections of grating are not attached to the steel beam below. CR-IP3-2012-03473 was issued to remedy this situation.	
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□
Yes, the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
Yes, the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y□ N⊠ U□ N/A□
All fluorescent light bulbs in the area need to be secured to the light fixture. This is addressed by CR-IP3-2012-03462	
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	YN NU
No other seismic conditions that could adversely affect the safety functions of the equipment in the area.	

ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 3 of 4 Status: Y Aroz Walk-By Checklist (AWC) AWC-016		IP3 Status: Y⊠ N∏ U∏
Location: Bldg. <u>AFB</u>	Floor El. <u>61'-0"</u> Room, A	rea ¹
SWEL Components:	SWEL1-004	
<u>Comments (</u> Additional pa	ges may be added as necessary)	
Few florescent bul by CR-IP3-2012-0 The paint of west v	bs near south end of the platform are 3462 vall is peeling off. Needs new paint.	e out and need to be replaced. This is addressed
Evaluated by: <u>Paul Huebs</u>	ch (thub) 14. C	Date: <u>10/17/12</u>
	LA-PU	

.

EN-DC-168 REV 0



ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC) <u>AWC-017</u>	IP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>AFB</u> Floor EI. <u>73'-8"</u> Room, Area ¹	
SWEL Components: <u>SWEL1-003, 041, 042, 043, 044</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	one or more SWEL items. The of judgments and findings. comments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions. 	Y⊠ N□ U□ N/A□
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? Anchorage of equipment in the area appears 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)? The cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions.	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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC-017</u>	IP3 Status: Y⊠ N∏ U∏
Location: Bldg. <u>AFB</u> Floor El. <u>73'-8"</u> Room, Area ¹	
SWEL Components: <u>SWEL1-003, 041, 042, 043, 044</u>	
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)?	
Floor grating is not attached to the steel support beams. Most grating is restrained laterally by the pipe supports and the wall on the opposite side. However some panels are only restrained by the wall and could displace laterally under seismic action. Adjacent panels cannot restrain the loose panels because the toe board is not continuous but is attached to each individual panel. They could then impact the main steam lines. CR-IP3-2012-03473 was issued to remedy this situation.	
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□
The area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	
The area is free of potentially adverse seismic interactions that could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N∏ U∏ N/A∏
The area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations	

.

.

.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checklist (AWC) <u>AWC-017</u>	IP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>AFB</u> Floor EI. <u>73'-8"</u> Room, Area ¹	
SWEL Components: SWEL1-003, 041, 042, 043, 044	
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
All fluorescent light bulbs in the area need to be secured to the fixture. This is addressed by CR-IP3-2012-03462.	
A few fluorescent bulbs near south end of the platform are out and need to be replaced.	
One of the fluorescent fixtures is touching the steel hanger. This was addressed in SWEL1-003.	
<u>Comments (Additional pages may be added as necessary)</u>	
The insulation cover on an overhead pipe is peeling off. See photo.	
(tul) 14 C	
Evaluated by: <u>Paul Huebsch</u>	Date: <u>10/17/12</u>
APTPY	
Stephen Yuan	Date: <u>10/17/12</u>





Аттасниелт 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC) <u>AWC-018</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>CST</u> Floor El. <u>69'-0"</u> Room, Area ¹ <u>Yard</u>	
SWEL Components: <u>SWEL1-095</u>	
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	e or more SWEL items. The fjudgments and findings. omments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	
The base plates of support columns on adjacent platforms have four holes in the base plates but only two anchors installed on diagonal holes. This condition is judged to be acceptable based on the low height of the platform and the minimum weight of the framing and fiberglass grating.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N[] U[] N/A[]
Several screws are missing from the face closures of the electric panels. See attached photo. – Since weight of the closure panel is less than 40#, and peak acceleration from ground response spectra is 0.64, 14 out of 22 screws are more than adequate to hold the panel in place.	
All the conduit and pipes show sign of corrosion.	
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□
The tank is free of potentially adverse seismic conditions from overhead conduits and HVAC ducting.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC-018</u>	IP3 Status: Y⊠ N∏ U∏
Location: Bldg. <u>CST</u> Floor El. <u>69'-0"</u> Room, Area ¹ <u>Yard</u>	
SWEL Components: SWEL1-095	
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 lighting poles near the tank need to be verified for seismic adequacy. -LB-11 evaluates this condition.	
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□
The area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
The area is free of potentially adverse seismic interactions that could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N∏ U∏ N/A∏
The area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.	

.

.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checklist (AWC) <u>AWC-018</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>CS7</u> Floor El. <u>69'-0"</u> Room, Area ¹ <u>Yard</u>	
SWEL Components: <u>SWEL1-095</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?	YX NI UI
No other seismic conditions that could adversely affect the safety functions of the equipment in the area were identified.	
Comments (Additional pages may be added as necessary)	
(tur) 1/ C	D.1. 40//7//0
	Date: <u>10/1//12</u>
Atpt4	
Stephen Yuan	Date: <u>10/17/12</u>

ATTACHMENT 9.7

Sheet 4 of 5

AREA WALK-BY CHECKLIST IP3 Status: YX N U

Area Walk-By Checklist (AWC) ____ AWC-018

Location: Bldg. <u>CST</u> Floor El. <u>69'-0"</u> Room, Area¹ <u>Yard</u>

SWEL Components: SWEL1-095



Note: Several screws are missing for the electric panels



Note: The adjacent platform support base plate missing half number of anchor bolts.

ATTACHMENT 9.7	anda an		AREA WALK-BY CHECKLIST
Sheet 5 of 5			IP3 Status: V⊠ N□ U□
Area Walk-By Checkli	st (AWC) <u>AWC-0</u>	18	
Location: Bldg. <u>CST</u>	Floor El. <u>69'-0"</u>	Room, Area ¹ Y	(ard
SWEL Components:	SWEL1-095		

Photographs



Note: The lighting poles near the tank need to be verified for seismic adequacy.



Note: All the conduit and pipes show sign of various stages of corrosion.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC) <u>AWC-019</u>	IP3 Status: Y⊠ N⊡ U∏
Location: Bldg. <u>DG</u> Floor EI. <u>15'-0"</u> Room, Area ¹ <u>31 DIESEL G</u>	ENERATOR ROOM
SWEL Components:	
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 or Additional space is provided at the end of this checklist for documenting other co	e or more SWEL items. The f judgments and findings. mments.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	
Observed a wide flange across the room (spanning east-west) supporting air intake piping with gaps between the base plate and the wall. The gaps are observed to be approximately between $\frac{1}{8}$ " to $\frac{1}{4}$ " (see attached photo). Per procedure 0-RES-400-GEN, the allowable gap shall not be greater than $\frac{3}{32}$ ". This $\frac{1}{8}$ " to $\frac{1}{4}$ " gap may result in bending of the anchor bolts. This is addressed in CR-IP3-2012-03361. LB-05 evaluates this condition.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N∏ U∏ N/A∏
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.	
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	
Observed a not tightly secured metal wire trough located on the east wall (above the speaker). The wire trough is attached two Unistruts channels with one Unistrut bolt on each channel at the top. There is an approximately ¾" to 1" gap between the wire trough and the Unistrut (see photos). The wire trough seems to be light in weigh; however, during a seismic event the trough may dislodge and strike nearby equipment. The wire trough should be properly secured to prevent any adverse seismic conditions. This is addressed in CR-IP3-2012-03363.	

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.

Аттаснмент 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC-019</u>	IP3 Status: Y⊠ N∐ U∏
Location: Bldg. <u>DG</u> Floor El. <u>15'-0"</u> Room, Area ¹ <u>31 DIESEL G</u>	ENERATOR ROOM
SWEL Components:	
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 I U N/A
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations	·

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC-019</u>	IP3 Status: Y⊠ N⊟ U⊡
Location: Bldg. <u>DG</u> Floor EI. <u>15'-0"</u> Room, Area ¹ <u>31 DIESEL (</u>	GENERATOR ROOM
SWEL Components: <u>SWEL1-076, 067, 088, 096</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?	
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
<u>Comments</u> (Additional pages may be added as necessary) References: IP3 SWEL1-076, 1-067, 1-088, 1-096	
Evaluated by: Maggie Farah	Date: <u>10/19/12</u>
Kailo IC. C	10/19/12

Shoot A of A				
		A14/0 040		Status: Y N U
Area Walk-By Checkli	st (AWC)	AWC-019	i da	
Location: Bldg. <u>DG</u>	Floor El.	<u>15'-0"</u>	Room, Area	<u>31 DIESEL GENERATOR ROOM</u>
SWEL Components:	SWEL1-0	<u>76, 067, 088</u>	, 096	
Photographs				
Note: Gap between the	base plate ar	nd wall.	Note: looking	Gaps between wire trough and Unistrut g south.
Note: Gap between win looking north.	re trough and	Unistrut	Note:	Gap between wire trough and Unistrut