Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1C11-D001001	
Equipment Class: (0) Other	·
Equipment Description: CONTROL UNIT CRD HYDRAULIC 26-59	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist  This checklist may be used to document the results of the Seismic Walkdown of an item of economic SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comments.	of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
<ol> <li>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.)         Anchorage shown on drawings M-1562, Rev. D and M-1590, Sheet 4, Rev. N.     </li> </ol>	Yes
<ol> <li>Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Scram valves and accumulator well-supported on HCU framework.</li> </ol>	Yes

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1C11-D001001 Equipment Class: (0) Other Equipment Description: CONTROL UNIT CRD HYDRAULIC 26-59 Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? Yes Racks have stand-offs to structural steel frame to prevent movement. 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and Yes masonry block walls not likely to collapse onto the equipment? Overhead light fixtures judged to be acceptable. Open S-hooks, but pipe in vicinity and tie-offs prevent sway into CRD/HCU rack. See IR 1406922. 9. Do attached lines have adequate flexibility to avoid damage? Yes 10. Based on the above seismic interaction evaluations, is equipment free of Yes potentially adverse seismic interaction effects? Other Adverse Conditions Have you looked for and found no adverse seismic conditions that could Yes adversely affect the safety functions of the equipment? Comments Seismic Walkdown Team: D. Carter & J. Griffith - 8/28/2012 Wallet David Carter Evaluated by: Date: 10/17/2012 10/17/2012

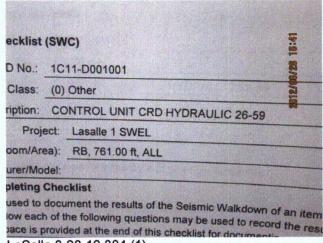
#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001001

Equipment Class: (0) Other

Equipment Description: CONTROL UNIT CRD HYDRAULIC 26-59

#### **Photos**



LaSalle 8-28-12 304 (1)





LaSalle 8-28-12 304 (2)



LaSalle 8-28-12 304 (4)

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001001

Equipment Class: (0) Other



LaSalle 8-28-12 304 (5)



LaSalle 8-28-12 304 (6)



LaSalle 8-28-12 304 (7)

		Status: Y N U
Seism	ic Walkdown Checklist (SWC)	<u> </u>
	Equipment ID No.: 1C11-D001089	
	Equipment Class: (0) Other	
	Equipment Description: CONTROL UNIT CRD HYDRAULIC 30-03	and the second s
	Project: LaSalle 1 SWEL	
Location	on (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL	<del></del>
	Manufacturer/Model:	
This cl SWEL	ctions for Completing Checklist necklist may be used to document the results of the Seismic Walkdown of an item of ed. The space below each of the following questions may be used to record the results o	f judgments and
Ancho		v
1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Yes
2.	Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3.	Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
		·
4.	Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
5.	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.)  Anchorage shown on drawings M-1562, Rev. D and M-1590, Sheet 4, Rev. N.	Yes
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Scram valves and accumulator well-supported on HCU framework.	Yes

Seismic Walkdow	n Checklist (SWC)	Status: Y N U
Equipm	nent ID No.: 1C11-D001089	
	ment Class: (0) Other	
• •	Description: CONTROL UNIT CRD HYDRAULIC 30-03	
Interaction Effects	•	
7. Are soft tar	gets free from impact by nearby equipment or structures?	Yes
Racks ha	ve stand-offs to structural steel frame to prevent movement.	
masonry bl <i>Overhead</i>	and equipment, distribution systems, ceiling tiles and lighting, and lock walls not likely to collapse onto the equipment?  I light fixtures judged to be acceptable. Open S-hooks, but pipe in tie-offs prevent sway into CRD/HCU rack. See IR 1406922.	Yes
9. Do attache	d lines have adequate flexibility to avoid damage?	Yes
	he above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?	Yes
	onditions  cooked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	Yes
Comments Seismic Walkdown	Team: D. Carter & J. Griffith - 8/28/2012	
Evaluated by:	Dallet David Carter Date:	10/25/2012
	James Griffith	10/25/2012

Status: Y N U

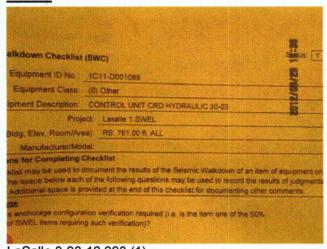
#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001089

Equipment Class: (0) Other

Equipment Description: CONTROL UNIT CRD HYDRAULIC 30-03

#### **Photos**



LaSalle 8-28-12 293 (1)



LaSalle 8-28-12 293 (10)

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001089

Equipment Class: (0) Other





LaSalle 8-28-12 293 (2)

# Seismic Walkdown Checklist (SWC)

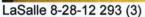
Equipment ID No.: 1C11-D001089

Equipment Class: (0) Other

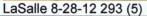




LaSalle 8-28-12 293 (4)









LaSalle 8-28-12 293 (6)

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001089

Equipment Class: (0) Other



LaSalle 8-28-12 293 (7)



Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001089

Equipment Class: (0) Other



Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1C11-D001093 Equipment Class: (0) Other Equipment Description: CONTROL UNIT CRD HYDRAULIC 42-59 Project: LaSalle 1 SWEL Location (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL Manufacturer/Model: **Instructions for Completing Checklist** This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% Yes of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorages shown on drawings M-1562, Rev. D and M-1590, Sheet 4, Rev. N. 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions? Scram valves and accumulator well-supported on HCU framework.

Seism	ic Walkdown C	hecklist (	(SWC)			,	Status:	Y N U
	Equipment	ID No.:	1C11-D001093				·	
	Equipmen	nt Class:	(0) Other		•			
	Equipment Des	cription:	CONTROL UNIT	CRD HYDRA	ULIC 42-59			
Interac	ction Effects							
7.	Are soft target	s free fron	n impact by nearb	y equipment c	r structures?			Yes
	Racks have s	stand-offs	to structural steel	frame to prev	ent movement.			
8.	masonry block Overhead lig	walls not ht fixtures	t, distribution system likely to collapse judged to be acce ent sway into CRE	onto the equip eptable. Open	ment? <i>S-hooks, but pi</i>			Yes
9.	Do attached lii	nes have a	adequate flexibility	y to avoid dam	age?		,	Yes
10.			smic interaction ev		equipment free o	of		Yes
		ed for and	d found no adverse ety functions of the		ditions that could	d		Yes
<u>Comm</u> Seismi		am: D. Ca	nrter & J. Griffith -	8/28/2012				
Evalua			David Carter			Date:	10/17/2012	.`
,	<u></u>	ns D. Appt	1 James Griffith				10/17/2012	
e			•				•	

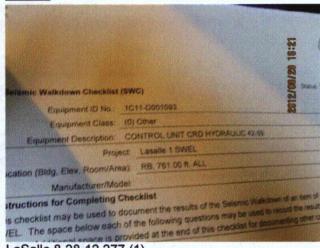
#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001093

Equipment Class: (0) Other

Equipment Description: CONTROL UNIT CRD HYDRAULIC 42-59

#### **Photos**





LaSalle 8-28-12 277 (11)



LaSalle 8-28-12 277 (10)



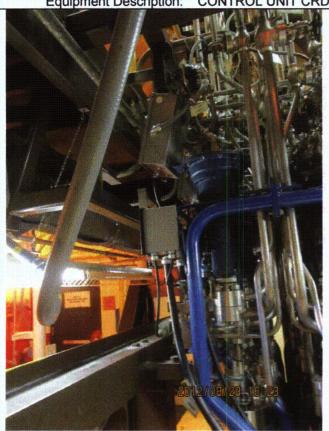
LaSalle 8-28-12 277 (12)

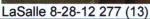
Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001093

Equipment Class: (0) Other







LaSalle 8-28-12 277 (14)

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001093

Equipment Class: (0) Other



LaSalle 8-28-12 277 (15)



LaSalle 8-28-12 277 (16)

## Seismic Walkdown Checklist (SWC)

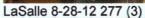
Equipment ID No.: 1C11-D001093

Equipment Class: (0) Other



LaSalle 8-28-12 277 (2)







LaSalle 8-28-12 277 (4)



LaSalle 8-28-12 277 (5)

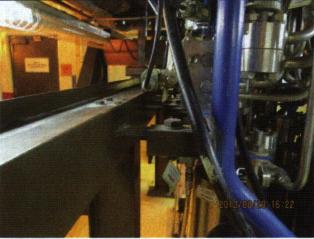
## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001093

Equipment Class: (0) Other

Equipment Description: CONTROL UNIT CRD HYDRAULIC 42-59





LaSalle 8-28-12 277 (7)

LaSalle 8-28-12 277 (6)

Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001093

Equipment Class: (0) Other





LaSalle 8-28-12 277 (9)

Status: Y N U Seismic Walkdown Checklist (SWC)
Equipment ID No.: 1C11-D001182
Equipment Class: (0) Other
Equipment Description: CONTROL UNIT CRD HYDRAULIC 34-03
Project: LaSalle 1 SWEL
Location (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL
Manufacturer/Model:
Instructions for Completing Checklist
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.
<u>Anchorage</u>
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50%         of SWEL items requiring such verification)?</li> </ol>
2. Is the anchorage free of bent, broken, missing or loose hardware?
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note:         Yes         This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)     </li> <li>Anchorage shown on drawings M-1562, Rev. D and M-1590, Sheet 4, Rev.</li> </ol>
N.
6. Based on the above anchorage evaluations, is the anchorage free of
potentially adverse seismic conditions?  Scram valves and accumulator well-supported on HCU framework.

Seismic Walkdown Chec	eklist (SWC)	Status: Y N U
Equipment ID 1	No.: 1C11-D001182	
Equipment Cla	ass: (0) Other	
Equipment Descripti	tion: CONTROL UNIT CRD HYDRAULIC 34-03	
Interaction Effects		
<ol><li>Are soft targets fre</li></ol>	ee from impact by nearby equipment or structures?	Yes
Racks have stand	d-offs to structural steel frame to prevent movement.	·
masonry block wal Overhead light fix	ipment, distribution systems, ceiling tiles and lighting, and list not likely to collapse onto the equipment? extures judged to be acceptable. Open S-hooks, but pipe in some prevent sway into CRD/HCU rack. See IR 1406922.	Yes
Do attached lines I	have adequate flexibility to avoid damage?	Yes
	ve seismic interaction evaluations, is equipment free of e seismic interaction effects?	Yes
	ns or and found no adverse seismic conditions that could ne safety functions of the equipment?	Yes
<u>Comments</u> Seismic Walkdown Team:	D. Carter & J. Griffith - 8/28/2012	
Evaluated by:	Out David Carter Date:	10/17/2012
Jun D	James Griffith	10/17/2012

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001182

Equipment Class: (0) Other

Equipment Description: CONTROL UNIT CRD HYDRAULIC 34-03

#### **Photos**

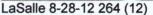
# wn Checklist (SWC) oment ID No.: 1C11-D001182 preent Class: (0) Other Description CONTROL UNIT CRD HYDRAULIC 34-03 Project: Lasalle 1 SWEL Elev Room/Area) RB 761.00 ft, ALL

LaSalle 8-28-12 264 (1)



LaSalle 8-28-12 264 (10)

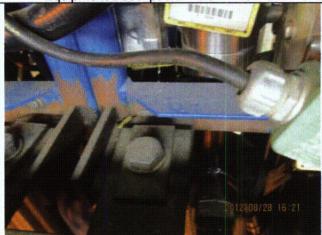




#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001182

Equipment Class: (0) Other



LaSalle 8-28-12 264 (13)



LaSalle 8-28-12 264 (3)



LaSalle 8-28-12 264 (2)



LaSalle 8-28-12 264 (4)

Sheet 5 of 6

Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001182

Equipment Class: (0) Other



LaSalle 8-28-12 264 (5)



LaSalle 8-28-12 264 (7)



LaSalle 8-28-12 264 (6)



LaSalle 8-28-12 264 (8)

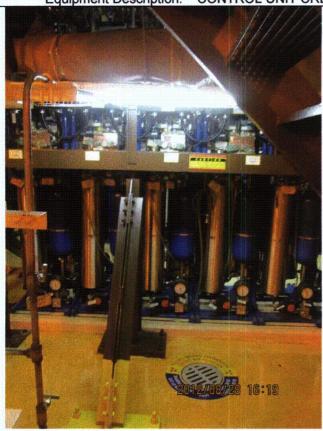
Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C11-D001182

Equipment Class: (0) Other

Equipment Description: CONTROL UNIT CRD HYDRAULIC 34-03



LaSalle 8-28-12 264 (9)

Saiomia Malkdown Chasklist (SMC)	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1C11-D2659-125	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: CRD HCU SCRAM WATER ACCUMULATOR	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist  This checklist may be used to document the results of the Seismic Walkdown of an item of a SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other con	of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	No ·
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
<ol> <li>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.)</li> </ol>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  The scram water accumulator is an in-line component that is adequately restrained to the CRD/HCU support frame.	Yes

Seismic Walkdown Checklist (SWC)	NU
Equipment ID No.: 1C11-D2659-125	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: CRD HCU SCRAM WATER ACCUMULATOR  Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Racks have stand-offs to structural steel frame to prevent movement.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Overhead light fixtures judged to be acceptable. Open S-hooks, but pipe in vicinity and tie-offs prevent sway into CRD/HCU rack. See IR 1406922.	Yes
9. Do attached lines have adequate flexibility to avoid damage?  Output  Description:	Yes
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
develocity and safety full out the equipment.	
<u>Comments</u> Seismic Walkdown Team: D. Carter & J. Griffith - 8/28/2012	
For photographs, see the SWC for 1C11-D001001.	
Evaluated by: David Carter Date: 10/17/2012	
James Griffith 10/17/2012	
<u>Photos</u>	•

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1C11-D2659-126	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: CRD HCU SCRAM INLET VALVE	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist  This checklist may be used to document the results of the Seismic Walkdown of an item of SWEL. The space below each of the following questions may be used to record the result findings. Additional space is provided at the end of this checklist for documenting other continuous con	s of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
<ol> <li>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.)</li> </ol>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  The scram inlet valve is an in-line component with the operator adequately restrained to the CRD/HCU support frame.	Yes

Seismic Walkdown Ched	cklist (SWC)		Status: Y N U
•	No.: 1C11-D2659-126		
Equipment CI	lass: (7) Fluid-Operated Valves		
Equipment Descrip	otion: CRD HCU SCRAM INLET VALVE	···········	
Interaction Effects			,
7. Are soft targets from	ee from impact by nearby equipment or structure	es?	Yes
Racks have stan	nd-offs to structural steel frame to prevent moven	nent.	•
masonry block wa Overhead light fi	uipment, distribution systems, ceiling tiles and ligh alls not likely to collapse onto the equipment? ixtures judged to be acceptable. Open S-hooks, l s prevent sway into CRD/HCU rack. See IR 1400	but pipe in	Yes
9. Do attached lines	have adequate flexibility to avoid damage?		Yes
	ove seismic interaction evaluations, is equipment se seismic interaction effects?	free of	Yes
			*
Other Adverse Condition			
	for and found no adverse seismic conditions that he safety functions of the equipment?	t could	Yes
adversely affect ti	ne salety functions of the equipment?		
Comments			•
	: D. Carter & J. Griffith - 8/28/2012		
For photographs, see the	SWC for 1C11-D001001.		
· · · · · · · · · · · · · · · · · · ·	Plat David Carter	Date:	10/17/2012
Jun 1	James Griffith	·	10/17/2012
	·		
<u>Photos</u>			·
·			

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1C11-D2659-127	
Equipment Class: _(7) Fluid-Operated Valves	
Equipment Description: CRD HCU SCRAM OUTLET VALVE	
Project: <u>LaSalle 1 SWEL</u>	
Location (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist  This checklist may be used to document the results of the Seismic Walkdown of an item of expectation. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comments.	of judgments and
Anchorage	Ma
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	No
	•
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
<ol> <li>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.)</li> </ol>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  The scram outlet valve is an in-line component with the operator adequately restrained to the CRD/HCU support frame.	Yes

Seismic Walkdov	wn Checklist (SWC)	Status: Y N U
Equip	ment ID No.: 1C11-D2659-127	
	oment Class: (7) Fluid-Operated Valves	
	Description: CRD HCU SCRAM OUTLET VALVE	
Interaction Effec		
7. Are soft ta	argets free from impact by nearby equipment or structures?	Yes
Racks ha	ave stand-offs to structural steel frame to prevent movement.	
masonry t <i>Over</i> hea	nead equipment, distribution systems, ceiling tiles and lighting, and block walls not likely to collapse onto the equipment? and light fixtures judged to be acceptable. Open S-hooks, but pipe in and tie-offs prevent sway into CRD/HCU rack. See IR 1406922.	Yes
9. Do attach	ed lines have adequate flexibility to avoid damage?	Yes
	the above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?	Yes
Other Adverse C	onditions	
	looked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	Yes
·	and sure sure sure sure superior and superior and superior and sure superior and sur	
<u>Comments</u> Seismic Walkdow	n Team: D. Carter & J. Griffith - 8/28/2012	
For photographs,	see the SWC for 1C11-D001001.	
Evaluated by:		10/17/2012
	Jms D Appt James Griffith	10/17/2012
Photos		

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1C11-D3003-125	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: CRD HCU SCRAM WATER ACCUMULATOR	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other com-	of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
<ol> <li>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.)</li> </ol>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  The scram water accumulator is an in-line component that is adequately restrained to the CRD/HCU support frame.	Yes

	Status: Y	] N U				
Seismic Walkdow	vn Checklist (SWC)					
Equipn	ment ID No.: 1C11-D3003-125					
Equip	ment Class: (21) Tanks and Heat Exchangers					
	Description: CRD HCU SCRAM WATER ACCUMULATOR					
Interaction Effect		V				
	argets free from impact by nearby equipment or structures?	Yes				
Racks ha	ave stand-offs to structural steel frame to prevent movement.					
8. Are overhe	ead equipment, distribution systems, ceiling tiles and lighting, and	Yes				
	block walls not likely to collapse onto the equipment?  d light fixtures judged to be acceptable. Open S-hooks, but pipe in					
	d tie-offs prevent sway into CRD/HCU rack. See IR 1406922.					
9. Do attache	ed lines have adequate flexibility to avoid damage?	Yes				
•						
:		. >				
10. Based on	the above seismic interaction evaluations, is equipment free of	Yes				
	adverse seismic interaction effects?					
Other Adverse Conditions						
	looked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	Yes				
auversely	anect the salety functions of the equipment:					
Comments Seismic Walkdown	n Team: D. Carter & J. Griffith - 8/28/2012					
For photographs, s	see the SWC for 1C11-D001089.					
Evaluated by:	David Carter David Carter Date: 10/17/2012					
•	Ams D. Appth James Criffith 10/17/2012					
	James Griffith 10/17/2012					
Photos						
**						

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1C11-D3003-126 Equipment Class: (7) Fluid-Operated Valves Equipment Description: CRD HCU SCRAM INLET VALVE Project: LaSalle 1 SWEL Location (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL Manufacturer/Model: **Instructions for Completing Checklist** This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% No of SWEL items requiring such verification)? Not Applicable 2. Is the anchorage free of bent, broken, missing or loose hardware? 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable 4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable 5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions? The scram inlet valve is an in-line component with the operator adequately restrained to the CRD/HCU support frame.

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Correspondence No.: RS-12-163 Sheet 2 of 2

Seismic Walkdo	own Checklist (SWC)		Status: Y	N U
Equi	ipment ID No.: 1C11-D3003-126			٠
- '	uipment Class: (7) Fluid-Operated Valves			
	nt Description: CRD HCU SCRAM INLET VALVE			
Interaction Effe				
7. Are soft	targets free from impact by nearby equipment or structures?			Yes
Racks	have stand-offs to structural steel frame to prevent movement.			
masonry <i>Overhe</i>	rhead equipment, distribution systems, ceiling tiles and lighting, ar y block walls not likely to collapse onto the equipment? ead light fixtures judged to be acceptable. Open S-hooks, but pipe and tie-offs prevent sway into CRD/HCU rack. See IR 1406922.			Yes
9. Do attac	ched lines have adequate flexibility to avoid damage?			Yes
	on the above seismic interaction evaluations, is equipment free of ally adverse seismic interaction effects?			Yes
			•	
Other Adverse	Conditions			
	ou looked for and found no adverse seismic conditions that could ely affect the safety functions of the equipment?			Yes
auversei	an anect the salety functions of the equipment?		. :	
	own Team: D. Carter & J. Griffith - 8/28/2012			
For photographs	s, see the SWC for 1C11-D001089.		,	
Evaluated by:		Date:	10/17/2012	
	James Griffith		10/17/2012	
<u> </u>		-		
<u>Photos</u>				
,				

5	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1C11-D3003-127	
Equipment Class: _(7) Fluid-Operated Valves	
Equipment Description: CRD HCU SCRAM OUTLET VALVE	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist  This checklist may be used to document the results of the Seismic Walkdown of an item of equ SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comme	judgments and
Anchorage	· No
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
<ol> <li>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.)</li> </ol>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  The scram outlet valve is an in-line component with the operator adequately restrained to the CRD/HCU support frame.	Yes

Seismic Walkdow	vn Checklist (SWC)	Status: Y N U
Equipn	ment ID No.: 1C11-D3003-127	
• •	ment Class: (7) Fluid-Operated Valves	
	Description: CRD HCU SCRAM OUTLET VALVE	
Interaction Effect		
7. Are soft ta	argets free from impact by nearby equipment or structures?	Yes
Racks ha	ave stand-offs to structural steel frame to prevent movement.	
masonry b Overhead	ead equipment, distribution systems, ceiling tiles and lighting, and block walls not likely to collapse onto the equipment? d light fixtures judged to be acceptable. Open S-hooks, but pipe in d tie-offs prevent sway into CRD/HCU rack. See IR 1406922.	Yes
9. Do attache	ed lines have adequate flexibility to avoid damage?	Yes
		:
	the above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?	Yes
Other Adverse Co	onditions	
	looked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	Yes
auversery	anect the salety functions of the equipment:	
Comments Seismic Walkdown	n Team: D. Carter & J. Griffith - 8/28/2012	
For photographs,	see the SWC for 1C11-D001089.	
Evaluated by:	David Carter David Carter Date: 1	0/17/2012
	James Griffith 1	0/17/2012
<u>Photos</u>		

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1C11-D3403-125	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: CRD HCU SCRAM WATER ACCUMULATOR	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of expression of the space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comments.	of judgments and
<ul> <li>Anchorage</li> <li>1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ul>	No .
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
<ol> <li>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.)</li> </ol>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  The scram water accumulator is an in-line component that is adequately restrained to the CRD/HCU support frame.	Yes

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1C11-D3403-125 Equipment Class: (21) Tanks and Heat Exchangers Equipment Description: CRD HCU SCRAM WATER ACCUMULATOR **Interaction Effects** 7. Are soft targets free from impact by nearby equipment or structures? Yes Racks have stand-offs to structural steel frame to prevent movement. 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and Yes masonry block walls not likely to collapse onto the equipment? Overhead light fixtures judged to be acceptable. Open S-hooks, but pipe in vicinity and tie-offs prevent sway into CRD/HCU rack. See IR 1406922. 9. Do attached lines have adequate flexibility to avoid damage? Yes Based on the above seismic interaction evaluations, is equipment free of Yes potentially adverse seismic interaction effects? Other Adverse Conditions Have you looked for and found no adverse seismic conditions that could Yes adversely affect the safety functions of the equipment? Comments Seismic Walkdown Team: D. Carter & J. Griffith - 8/28/2012 For photographs, see the SWC for 1C11-D001182. Salulat. David Carter Evaluated by: Date: 10/17/2012 James Griffith 10/17/2012 **Photos** 

Seismi	c Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 1C11-D3403-126	
	Equipment Class: (7) Fluid-Operated Valves	
{	Equipment Description: CRD HCU SCRAM INLET VALVE	
	Project: LaSalle 1 SWEL	
Locatio	n (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL	
	Manufacturer/Model:	
This ch SWEL. findings	etions for Completing Checklist ecklist may be used to document the results of the Seismic Walkdown of an item of The 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 con	of judgments and
Ancho 1.	rage Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	No
2.	Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
<b>3</b> .	Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4.	Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
5.	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.)	Not Applicable
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  The scram inlet valve is an in-line component with the operator adequately restrained to the CRD/HCU support frame.	Yes

Cajamia Malkdaum Chaokliat (CMC)		Status:	Y N U
Seismic Walkdown Checklist (SWC)			
Equipment ID No.: 1C11-D3403-126	<del></del>		
Equipment Class: (7) Fluid-Operated Valves		<u> </u>	
Equipment Description: CRD HCU SCRAM INLET VALVE	· · · · · · · · · · · · · · · · · · ·	Whater takes a second and a second a second and a second a second and a second a second and a second and a second a second a second a s	
Interaction Effects			Vaa
7. Are soft targets free from impact by nearby equipment or structures?			Yes
Racks have stand-offs to structural steel frame to prevent movement.			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, are masonry block walls not likely to collapse onto the equipment?  Overhead light fixtures judged to be acceptable. Open S-hooks, but pipe vicinity and tie-offs prevent sway into CRD/HCU rack. See IR 1406922.			Yes
9. Do attached lines have adequate flexibility to avoid damage?			Yes
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?			Yes
Other Adverse Conditions  11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?			Yes
<u>Comments</u> Seismic Walkdown Team: D. Carter & J. Griffith - 8/28/2012			·
For photographs, see the SWC for 1C11-D001182.		<del>7.1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. </del>	
	Date:	10/17/2012	
James Griffith		10/17/2012	
Photos			

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1C11-D3403-127	
Equipment Class: _(7) Fluid-Operated Valves	
Equipment Description: CRD HCU SCRAM OUTLET VALVE	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of SWEL. The space below each of the following questions may be used to record the result findings. Additional space is provided at the end of this checklist for documenting other of the checklist for document for the checklist for th	ılts of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
<ol> <li>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.)</li> </ol>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  The scram outlet valve is an in-line component with the operator adequately restrained to the CRD/HCU support frame.	Yes

Seismic Wall	down Checklist	(SWC)			Status:	NU
Fo	uinment ID No ·	1C11-D3403-127				
	•	(7) Fluid-Operated Va	alves ·			
	• •	CRD HCU SCRAM O				
Interaction E		·	OILLI VALVE			
	<del></del>	m impact by nearby eq	uipment or structu	ıres?		Yes
Rack	s have stand-off	s to structural steel fran	ne to prevent move	ement.		
					•	
masoi Ovei	nry block walls no thead light fixture	nt, distribution systems of likely to collapse onto s judged to be acceptal vent sway into CRD/HC	the equipment? ble. Open S-hooks	s, but pipe in		Yes
9. Do att	ached lines have	adequate flexibility to a	avoid damage?			Yes
poten	tially adverse seis	ismic interaction evalua smic interaction effects		nt free of		Yes
Other Advers		d found no odverse so	iamia aanditiana th	at aculd		Voc
		d found no adverse se fety functions of the equ		iat could		Yes
	-		:			•
Comments	<u>,,,</u> , , ,, ,,			•		
Seismic Walke	down Team: D. C	arter & J. Griffith - 8/28	/2012	•		
For photograp	hs, see the SWC	for 1C11-D001182.		· .		
Evaluated by:	Dal West.	David Carter		Date:	10/17/2012	
	Jan D. Aff	#↑ James Griffith			10/17/2012	
					-	
Photos	<del></del>			<u> </u>		
•				ı	•	

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1C11-D4259-125	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: CRD HCU SCRAM WATER ACCUMULATOR	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of a SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other com-	of judgments and
Anchorage  1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
<ol> <li>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.)</li> </ol>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  The scram water accumulator is an in-line component that is adequately restrained to the CRD/HCU support frame.	Yes

Sojemic Walkdo	wn Checklist (SWC)	Status: Y N U
٠		•
	ment ID No.: 1C11-D4259-125	
	pment Class: (21) Tanks and Heat Exchangers	
	t Description: CRD HCU SCRAM WATER ACCUMULATOR	•
Interaction Effec	<del></del>	Vaa
7. Are soπ t	argets free from impact by nearby equipment or structures?	Yes
Racks h	have stand-offs to structural steel frame to prevent movement.	
8. Are overh	nead equipment, distribution systems, ceiling tiles and lighting, and	Yes
	block walls not likely to collapse onto the equipment?	
	ad light fixtures judged to be acceptable. Open S-hooks, but pipe in ned tie-offs prevent sway into CRD/HCU rack. See IR 1406922.	
•		
9. Do attach	ned lines have adequate flexibility to avoid damage?	Yes
	•	
10. Based or	a the above seismic interaction evaluations, is equipment free of	Yes
	n the above seismic interaction evaluations, is equipment free of y adverse seismic interaction effects?	res
•:		
•		
Other Adverse C	Conditions	
	l looked for and found no adverse seismic conditions that could	Yes
adversely	affect the safety functions of the equipment?	
		.*
Comments		·
Seismic Walkdow	n Team: D. Carter & J. Griffith - 8/28/2012	
For photographs,	see the SWC for 1C11-D001093.	
	0 404 5 1101	4047/0040
Evaluated by:	David Carter David Carter Date:	10/17/2012
	James Griffith	10/17/2012
<u>Photos</u>		

Status: Y N U Seismic Walkdown Checklist (SWC)
Equipment ID No.: 1C11-D4259-126
Equipment Class: (7) Fluid-Operated Valves
Equipment Description: CRD HCU SCRAM INLET VALVE
Project: LaSalle 1 SWEL
Location (Ridg. Flav. Poom/Area): PR 761 00 ft ALL
Manufacturer/Model:
Instructions for Completing Checklist
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.
<u>Anchorage</u>
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50%         of SWEL items requiring such verification)?</li> </ol>
Is the anchorage free of bent, broken, missing or loose hardware?  Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Not Applicable
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note:         Not Applicable         This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)     </li> </ol>
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  The scram inlet valve is an in-line component with the operator adequately restrained to the CRD/HCU support frame.

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1C11-D4259-126	
Equipment Class: (7) Fluid-Operated Valves	No.
Equipment Description: CRD HCU SCRAM INLET VALVE	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Racks have stand-offs to structural steel frame to prevent movement.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Overhead light fixtures judged to be acceptable. Open S-hooks, but pipe in vicinity and tie-offs prevent sway into CRD/HCU rack. See IR 1406922.	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Seismic Walkdown Team: D. Carter & J. Griffith - 8/28/2012	
For photographs, see the SWC for 1C11-D001093.	
Evaluated by: David Carter Date: 10	0/17/2012
Evaluated by: David Carter Date: 10  James Griffith Date: 10	0/17/2012
<u>Photos</u>	

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1C11-D4259-127	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: CRD HCU SCRAM OUTLET VALVE	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 761.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of SWEL. The space below each of the following questions may be used to record the resulting. Additional space is provided at the end of this checklist for documenting other contents.	Its of judgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
<ol> <li>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.)</li> </ol>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  The scram outlet valve is an in-line component with the operator adequately restrained to the CRD/HCU support frame.	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1C11-D4259-127	·
Equipment Class: _(7) Fluid-Operated Valves	
Equipment Description: CRD HCU SCRAM OUTLET VALVE	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Racks have stand-offs to structural steel frame to prevent movement.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Overhead light fixtures judged to be acceptable. Open S-hooks, but pipe in vicinity and tie-offs prevent sway into CRD/HCU rack. See IR 1406922.	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	······································
Seismic Walkdown Team: D. Carter & J. Griffith - 8/28/2012	
For photographs, see the SWC for 1C11-D001093.	•
Evaluated by: David Carter Date:	10/17/2012
James Griffith	10/17/2012
<u>Photos</u>	

Seismic Walkdown Checklist (SWC)	N U
Equipment ID No.: 1C41-A001	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: STANDBY LIQUID CONTROL SOLUTION TANK	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 820.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on th SWEL. The space below each of the following questions may be used to record the results of judgments are findings. Additional space is provided at the end of this checklist for documenting other comments.	
<u>Anchorage</u>	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
Minor shrinkage cracking near Bolt 1 judged to be acceptable per ACI 349.	
<ol> <li>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.)</li> <li>Anchorage verified per drawings M-1556, Rev. G and M-1590, Sheet 7, Rev. J.</li> </ol>	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1C41-A001	
Equipment Class: (21) Tanks and Heat Excl	nangers
Equipment Description: STANDBY LIQUID CONT	ROL SOLUTION TANK
Interaction Effects	
<ol><li>Are soft targets free from impact by nearby equipr</li></ol>	nent or structures? Yes
Scaffold nearby properly restrained.	
Are overhead equipment, distribution systems, ceimasonry block walls not likely to collapse onto the	
9. Do attached lines have adequate flexibility to avoid	d damage? Yes
Based on the above seismic interaction evaluation potentially adverse seismic interaction effects?	ns, is equipment free of Yes
Other Adverse Conditions	
<ol> <li>Have you looked for and found no adverse seismi adversely affect the safety functions of the equipm</li> </ol>	
Comments Seismic Walkdown Team: M. Etre & M. Wodarcyk - 9/17/2	012

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C41-A001

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: STANDBY LIQUID CONTROL SOLUTION TANK

Evaluated by:

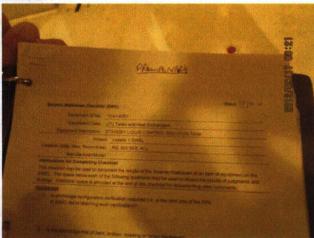
Mark Etre

Date: 10/17/2012

Michael Wodarcyk

10/17/2012

#### **Photos**



20120917-Lasalle 001



20120917-Lasalle 003



20120917-Lasalle 002



20120917-Lasalle 004

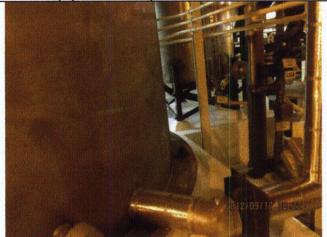
2012/09/17 09:25

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C41-A001

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: STANDBY LIQUID CONTROL SOLUTION TANK



20120917-Lasalle 005



20120917-Lasalle 006



20120917-Lasalle 008

20120917-Lasalle 007

# Seismic Walkdown Checklist (SWC)

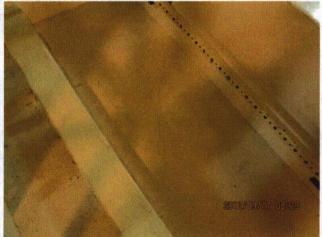
Equipment ID No.: 1C41-A001

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: STANDBY LIQUID CONTROL SOLUTION TANK



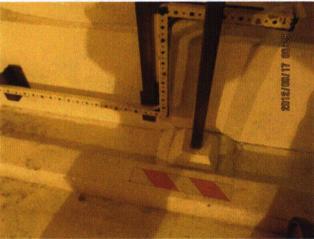
20120917-Lasalle 009



20120917-Lasalle 011



20120917-Lasalle 010



20120917-Lasalle 012

Status: L Seismic Walkdown Checklist (SWC)	Y N U
Equipment ID No.: 1C41-C001A	
Equipment Class: (5) Horizontal Pumps	
Equipment Description: A STANDBY LIQUID CONTROL PUMP	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 820.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment of SWEL. The space below each of the following questions may be used to record the results of judgment findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage  1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
<ol> <li>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.)         Anchorage verified per drawings M-1556, Rev. G and M-1590, Sheet 3, Rev. M.</li> </ol>	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1C41-C001A Equipment Class: (5) Horizontal Pumps Equipment Description: A STANDBY LIQUID CONTROL PUMP **Interaction Effects** 7. Are soft targets free from impact by nearby equipment or structures? Yes 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and Yes masonry block walls not likely to collapse onto the equipment? Overhead light fixture judged to be acceptable. 9. Do attached lines have adequate flexibility to avoid damage? Yes 10. Based on the above seismic interaction evaluations, is equipment free of Yes potentially adverse seismic interaction effects? **Other Adverse Conditions** 11. Have you looked for and found no adverse seismic conditions that could Yes adversely affect the safety functions of the equipment? **Comments** Seismic Walkdown Team: M. Etre & M. Wodarcyk - 9/17/2012 Evaluated by: Mark Etre Date: 10/25/2012 Michael Wodarcyk 10/25/2012

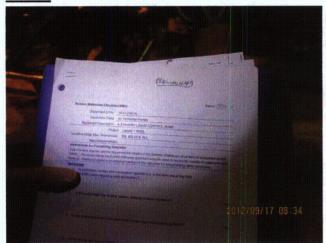
# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C41-C001A

Equipment Class: (5) Horizontal Pumps

Equipment Description: A STANDBY LIQUID CONTROL PUMP

#### **Photos**



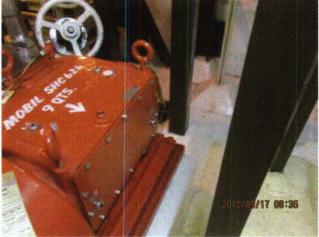
20120917-Lasalle 013



20120917-Lasalle 015



20120917-Lasalle 014



20120917-Lasalle 016

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C41-C001A

Equipment Class: (5) Horizontal Pumps

Equipment Description: A STANDBY LIQUID CONTROL PUMP



20120917-Lasalle 017



20120917-Lasalle 019



20120917-Lasalle 018



20120917-Lasalle 020

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1C41-C001A

Equipment Class: (5) Horizontal Pumps

Equipment Description: A STANDBY LIQUID CONTROL PUMP



20120917-Lasalle 021



20120917-Lasalle 022



20120917-Lasalle 023

Status: Y Seismic Walkdown Checklist (SWC)	N U
Equipment ID No.: 1DC003E	
Equipment Class: (16) Inverters	
Equipment Description: 250V DC BATTERY CHARGER NO. 1	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): AB, 710.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on SWEL. The space below each of the following questions may be used to record the results of judgments findings. Additional space is provided at the end of this checklist for documenting other comments.	
<ul> <li>Anchorage</li> <li>1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ul>	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
<ol> <li>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.)         Anchorage shown on drawings S-447, Rev. AG; 1E-1-3434, Sheet 1, Rev. BG; and 1E-1-3434, Sheet 2, Rev. L.     </li> </ol>	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Wa	ilkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 1DC003E	
	Equipment Class: (16) Inverters	
Equip	ment Description: 250V DC BATTERY CHARGER NO. 1	
Interaction	<u>Effects</u>	
7. Are	soft targets free from impact by nearby equipment or structures?	Yes
Mit	nimum 3/4" gap between charger and wall judged to be acceptable.	
mas	overhead equipment, distribution systems, ceiling tiles and lighting, and onry block walls not likely to collapse onto the equipment?  erhead light fixture and loudspeaker judged to be acceptable.	Yes
Adja	cent masonry walls are safety-related per drawing A-184, Rev. AY.	
9. Do a	attached lines have adequate flexibility to avoid damage?	Yes
	ed on the above seismic interaction evaluations, is equipment free of interaction effects?	Yes
· · ·		
11. Hav	rse Conditions e you looked for and found no adverse seismic conditions that could ersely affect the safety functions of the equipment?	Yes
Comments Seismic Wal	kdown Team: D. Carter & J. Griffith - 8/28/2012	
Evaluated by	y: David Carter Date: 10	/17/2012
	James Griffith 10	/17/2012

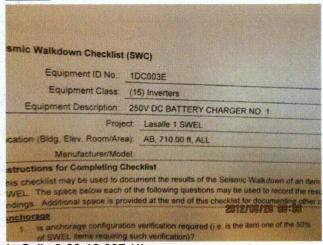
#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DC003E

Equipment Class: (16) Inverters

Equipment Description: 250V DC BATTERY CHARGER NO. 1

#### **Photos**



LaSalle 8-28-12 087 (1)



LaSalle 8-28-12 087 (3)



LaSalle 8-28-12 087 (2)



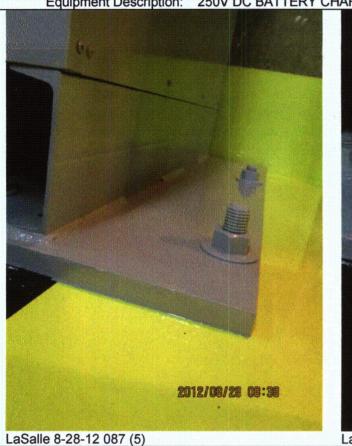
LaSalle 8-28-12 087 (4)

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DC003E

Equipment Class: (16) Inverters

Equipment Description: 250V DC BATTERY CHARGER NO. 1





	Status: Y N U
C Walkdown Checklist (SWC)	
Equipment ID No.: 1DC005E	
Equipment Class: (1) Motor Control Centers	
equipment Description: 250V MCC	
Project: LaSalle 1 SWEL	
n (Bldg, Elev, Room/Area): AB, 710.00 ft, ALL	
Manufacturer/Model:	
tions for Completing Checklist	
ecklist may be used to document the results of the Seismic Walkdown of an item. The space below each of the following questions may be used to record the research Additional space is provided at the end of this checklist for documenting other.	ults of judgments and
age	
Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Yes
to the anaberrary from of bent, broken, missing or loops bordware?	Yes
Is the anchorage free of bent, broken, missing or loose hardware?	165
·	
Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
Is the anchorage configuration consistent with plant documentation? (Note:	Yes
This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	
Anchorage shown on drawings 1E-1-3434, Sheet 1, Rev. BG and 1E-1-3434, Sheet 2, Rev. L.	
Based on the above anchorage evaluations, is the anchorage free of	Yes
potentially adverse seismic conditions?	
,	

Seismic Walkdow	vn Checklist (SWC)	Status:	NU
Equipn	nent ID No.: 1DC005E		
	ment Class: (1) Motor Control Centers		
	Description: 250V MCC		
Interaction Effect			
	rgets free from impact by nearby equipment or structures?	•	Yes
MCCs 1L	OC02E and 1DC005E are welded together.		
masonry b	ead equipment, distribution systems, ceiling tiles and lighting, and block walls not likely to collapse onto the equipment?  If the dight fixtures judged to be acceptable.		Yes
Adjacent r	nasonry wall is safety-related per drawing A-184, Rev. AY.		
9. Do attache	ed lines have adequate flexibility to avoid damage?		Yes
			,
			•
	the above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?		Yes
Other Adverse Co			
	looked for and found no adverse seismic conditions that could affect the safety functions of the equipment?		Yes
		er ger	
		-9.	
Comments Seismic Walkdown	n Team: D. Carter & J. Griffith - 8/28/2012		
Evaluated by:	Date:	10/17/2012	
	James Griffith  Date:	10/17/2012	
		ì	

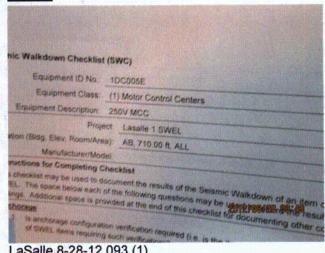
#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DC005E

Equipment Class: (1) Motor Control Centers

Equipment Description: 250V MCC

#### **Photos**

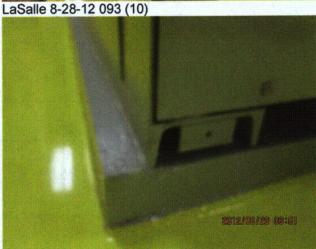


LaSalle 8-28-12 093 (1)





LaSalle 8-28-12 093 (11)



LaSalle 8-28-12 093 (12)

Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DC005E

Equipment Class: (1) Motor Control Centers

Equipment Description: 250V MCC



LaSalle 8-28-12 093 (2)



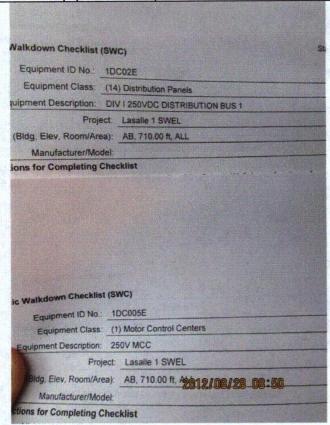
LaSalle 8-28-12 093 (3)

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DC005E

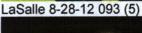
Equipment Class: (1) Motor Control Centers

Equipment Description: 250V MCC











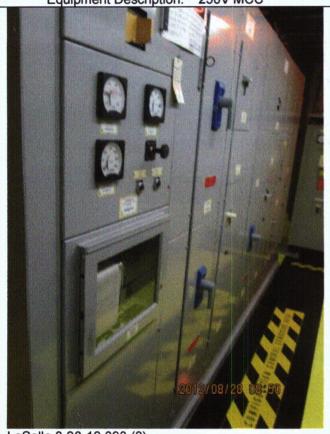
LaSalle 8-28-12 093 (7)

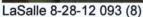
# Seismic Walkdown Checklist (SWC)

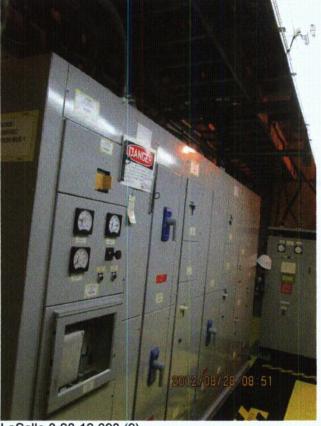
Equipment ID No.: 1DC005E

Equipment Class: (1) Motor Control Centers

Equipment Description: 250V MCC







LaSalle 8-28-12 093 (9)

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1DC01E Equipment Class: (15) Batteries on Racks Equipment Description: 250VDC BATTERY Project: LaSalle 1 SWEL Location (Bldg, Elev, Room/Area): AB, 710.00 ft, ALL Manufacturer/Model: **Instructions for Completing Checklist** This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. **Anchorage** 1. Is anchorage configuration verification required (i.e., is the item one of the 50% Yes of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes Minor shrinkage cracking in floor judged to be acceptable. 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage verified per drawing 1E-1-3434, Sheet 4, Rev. A. 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

State Seismic Walkdown Checklist (SWC)	tus: Y N U
Equipment ID No.: _1DC01E	
Equipment Class: (15) Batteries on Racks	
Equipment Description: 250VDC BATTERY	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Overhead light fixtures judged to be acceptable.	Yes
Battery room masonry walls are safety-related per drawing A-184, Rev. AY. Minor cracking in top 2 courses of masonry wall at north and west sides of battery room judged to be insignificant.	
Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	<del></del>
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments Seismic Walkdown Team: D. Carter & J. Griffith - 8/28/2012	
Evaluated by: David Carter Date: 10/17/2	012
James Griffith 10/17/2	012

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DC01E

Equipment Class: (15) Batteries on Racks

Equipment Description: 250VDC BATTERY

#### **Photos**

LaSalle 8-28-12 105 (1)

# (alkdown Checklist (SWC) Equipment ID No.: 1DC01E Equipment Class: (15) Batteries on Racks ipment Description: 250VDC BATTERY Project: Lasalle 1 SWEL Bldg, Elev, Room/Area): AB, 710.00 ft, ALL Manufacturer/Model: ns for Completing Checklist clist may be used to document the results of the Seismic ne space below each of the following questions may be u additional space is provided at the end of this checklist for docume



# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DC01E

Equipment Class: (15) Batteries on Racks

Equipment Description: 250VDC BATTERY



LaSalle 8-28-12 105 (11)



LaSalle 8-28-12 105 (13)



LaSalle 8-28-12 105 (12)



LaSalle 8-28-12 105 (2)

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DC01E

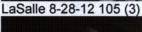
Equipment Class: (15) Batteries on Racks

Equipment Description: 250VDC BATTERY





LaSalle 8-28-12 105 (4)









LaSalle 8-28-12 105 (6)

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 6 of 6

Status: Y N U

### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DC01E

Equipment Class: (15) Batteries on Racks

Equipment Description: 250VDC BATTERY



LaSalle 8-28-12 105 (7)



LaSalle 8-28-12 105 (9)

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 1 of 6

	tus: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1DC02E	
Equipment Class: (14) Distribution Panels	
Equipment Description: DIV I 250VDC DISTRIBUTION BUS 1	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): AB, 710.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipments. The space below each of the following questions may be used to record the results of judgings. Additional space is provided at the end of this checklist for documenting other comments.	dgments and
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	Yes
Is the anchorage free of bent, broken, missing or loose hardware?	Yes
	•
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
5. 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	Yes
configuration verification is required.)  Anchorage shown on drawings 1E-1-3434, Sheet 1, Rev. BG and 1E-1-3434, Sheet 2, Rev. L.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
•	

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 2 of 6

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1DC02E	
Equipment Class: _(14) Distribution Panels	
Equipment Description: DIV I 250VDC DISTRIBUTION BUS 1	
Interaction Effects	·
7. Are soft targets free from impact by nearby equipment or structures?	Yes
MCCs 1DC02E and 1DC005E are welded together.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Overhead light fixtures judged to be acceptable.	Yes
Adjacent masonry wall is safety-related per drawing A-184, Rev. AY.	·
9. Do attached lines have adequate flexibility to avoid damage?	Yes
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions  11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments Seismic Walkdown Team: D. Carter & J. Griffith - 8/28/2012	
Evaluated by: David Carter Date:	10/17/2012
James Griffith	10/17/2012

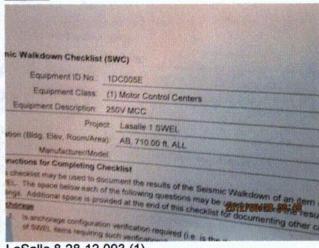
#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DC02E

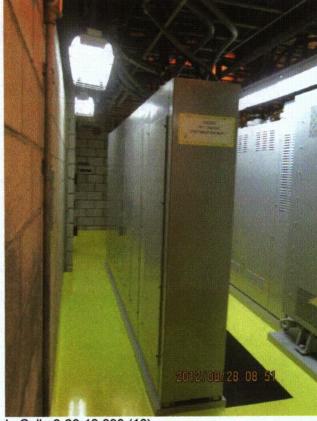
Equipment Class: (14) Distribution Panels

Equipment Description: DIV I 250VDC DISTRIBUTION BUS 1

#### **Photos**



LaSalle 8-28-12 093 (1)



LaSalle 8-28-12 093 (10)



LaSalle 8-28-12 093 (11)



LaSalle 8-28-12 093 (12)

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DC02E

Equipment Class: (14) Distribution Panels

Equipment Description: DIV I 250VDC DISTRIBUTION BUS 1



LaSalle 8-28-12 093 (2)



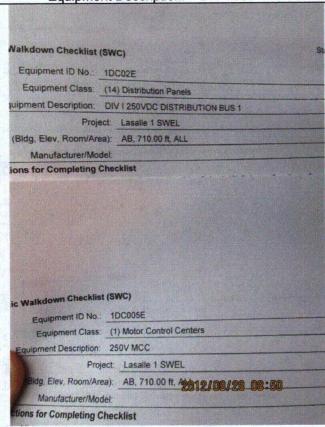
LaSalle 8-28-12 093 (3)

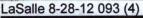
### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DC02E

Equipment Class: (14) Distribution Panels

Equipment Description: DIV I 250VDC DISTRIBUTION BUS 1







LaSalle 8-28-12 093 (6)



LaSalle 8-28-12 093 (5)



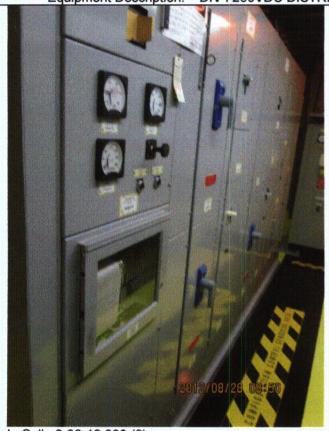
LaSalle 8-28-12 093 (7)

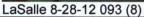
# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DC02E

Equipment Class: (14) Distribution Panels

Equipment Description: DIV I 250VDC DISTRIBUTION BUS 1







LaSalle 8-28-12 093 (9)

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 1 of 3

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1DC12E Equipment Class: (14) Distribution Panels Equipment Description: 125VDC DISTRIBUTION PANEL 112X (in 1DC15E MCC) Project: LaSalle 1 SWEL Location (Bldg, Elev, Room/Area): AB, 731.00 ft, ALL Manufacturer/Model: **Instructions for Completing Checklist** This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. **Anchorage** 1. Is anchorage configuration verification required (i.e., is the item one of the 50% Yes of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage shown on drawings 1E-1-3444, Sheet 1, Rev. A and 1E-1-3434, Sheet 2, Rev. L. 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions? **Interaction Effects** 7. Are soft targets free from impact by nearby equipment or structures? Yes

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 2 of 3

Seismic Walkdov	vn Checklist (SW	<i>(</i> C)		Status: Y N U		
Equipr	Equipment ID No.: 1DC12E					
Equip	Equipment Class: (14) Distribution Panels					
Equipment	Description: 12	SVDC DISTRIBUTION PANE	L 112X (in 1DC15E MC	0)		
masonry b Overhea mitigated MCC and	block walls not like d light fixture in fro by attached flexib	istribution systems, ceiling tile ely to collapse onto the equip ont of MCC on chains. Swing le conduit feed and a rigid co oth of which dampen pendule	ment? ning toward MCC is anduit between the	Yes		
		quate flexibility to avoid dama	age?	Yes		
		c interaction evaluations, is e interaction effects?	quipment free of	Yes		
Other Adverse Co	onditions					
		und no adverse seismic cond unctions of the equipment?	litions that could	Yes		
Comments Seismic Walkdown	n Team: J. Griffith	& M. Wodarcyk - 9/12/2012				
Evaluated by:	Sma D BAFFA J Michael J. U	ames Griffith	Date:	10/17/2012		

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 3 of 3

Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DC12E

Equipment Class: (14) Distribution Panels

Equipment Description: 125VDC DISTRIBUTION PANEL 112X (in 1DC15E MCC)

#### **Photos**

