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

Sheet 1 of 3

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1E12-N027B	
Equipment Class: (19) Temperature Sensors	
Equipment Description: B RHR HX OUTLET TEMPERATURE ELEMENT	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 694.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an ite SWEL. The space below each of the following questions may be used to record the findings. Additional space is provided at the end of this checklist for documenting other	esults 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 anchorag configuration verification is required.)</li> </ol>	Not Applicable e
	•
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
$\cdot$	

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

Sheet 2 of 3 Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E12-N027B Equipment Class: (19) Temperature Sensors Equipment Description: B RHR HX OUTLET TEMPERATURE ELEMENT 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 fixtures judged to be acceptable. 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 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: J. Griffith & M. Wodarcyk - 9/12/2012

Evaluated by:

James Griffith

Date: 10/17/2012

Michael Wodarcyk

10/17/2012

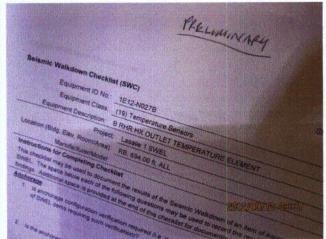
# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-N027B

Equipment Class: (19) Temperature Sensors

Equipment Description: B RHR HX OUTLET TEMPERATURE ELEMENT

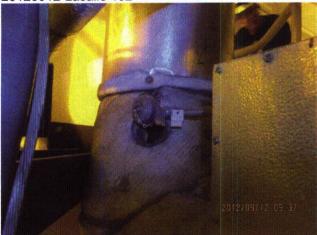
#### **Photos**



20120912-Lasalle 102



20120912-Lasalle 103



20120912-Lasalle 104

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 1 of 5

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E21-C001 Equipment Class: (6) Vertical Pumps Equipment Description: LPCS PUMP Project: LaSalle 1 SWEL Location (Bldg, Elev, Room/Area): RB, 673.00 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)? Yes Is the anchorage free of bent, broken, missing or loose hardware? Minor lack of thread engagement judged to be acceptable. 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 cracks in pedestal and grout pad 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 M-1572, Rev. R and M-1590, Sheet 3, Rev. M. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 2 of 5

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E21-C001 Equipment Class: (6) Vertical Pumps Equipment Description: LPCS 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? 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: M. Etre & M. Wodarcyk - 9/18/2012 Evaluated by: Mark Etre Date: 10/17/2012 Michael Wodarcyk 10/17/2012

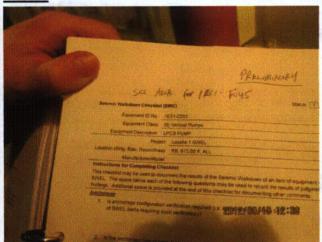
# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E21-C001

Equipment Class: (6) Vertical Pumps

Equipment Description: LPCS PUMP

### **Photos**



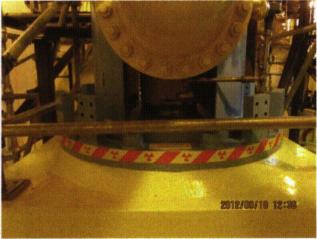
20120918-Lasalle 182



20120918-Lasalle 184



20120918-Lasalle 183



20120918-Lasalle 185

# Seismic Walkdown Checklist (SWC)

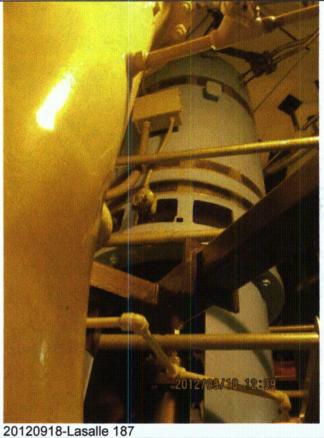
Equipment ID No.: 1E21-C001

Equipment Class: (6) Vertical Pumps

Equipment Description: LPCS PUMP



20120918-Lasalle 186

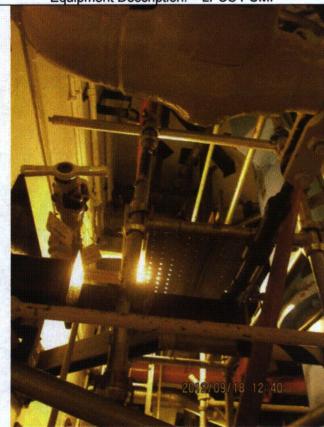


# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E21-C001

Equipment Class: (6) Vertical Pumps

Equipment Description: LPCS PUMP





20120918-Lasalle 189

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 1 of 4

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1E21-N003	
Equipment Class: (18) Instruments on Racks	
Equipment Description: LPCS PP DISCH FLOW XMITTER	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 673.00 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 e 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?	Yes
3. 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
<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?	Yes

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 2 of 4

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1E21-N003	
Equipment Class: (18) Instruments on Racks	
Equipment Description: LPCS PP DISCH FLOW XMITTER	
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 fixture judged to be acceptable.	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: M. Etre & M. Wodarcyk - 9/18/2012	
Mikal J. Wedneyt	0/17/2012 0/17/2012

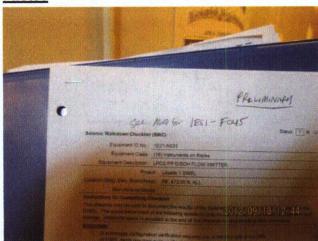
## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E21-N003

Equipment Class: (18) Instruments on Racks

Equipment Description: LPCS PP DISCH FLOW XMITTER

## **Photos**



20120918-Lasalle 190



20120918-Lasalle 192



20120918-Lasalle 191



20120918-Lasalle 193

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E21-N003

Equipment Class: (18) Instruments on Racks

Equipment Description: LPCS PP DISCH FLOW XMITTER



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20120918-Lasalle 196



20120918-Lasalle 195



20120918-Lasalle 197

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 1 of 4

	tatus: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1E22-C001	
Equipment Class: (6) Vertical Pumps	
Equipment Description: PMP HI PRESS CORE SPRAY	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 673.00 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 equivalent SWEL. The space below each of the following questions may be used to record the results of j findings. Additional space is provided at the end of this checklist for documenting other comme	judgments and
<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
<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-1572, Rev. R 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

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 2 of 4

Seismic Walkdown	ı Checklist (SWC)	Status: Y N U
Equipme	ent ID No.: 1E22-C001	
Equipme	ent Class: (6) Vertical Pumps	
Equipment De	escription: PMP HI PRESS CORE SPRAY	
Interaction Effects 7. Are soft targ	gets free from impact by nearby equipment or structures?	Yes
masonry blo	ad equipment, distribution systems, ceiling tiles and lighting, and ock walls not likely to collapse onto the equipment? light fixtures judged to be acceptable.	Yes
Adjacent ma	asonry walls are safety-related per drawing A-218, Rev. T.	
9. Do attached	I lines have adequate flexibility to avoid damage?	Yes
	ne above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?	Yes
	nditions boked for and found no adverse seismic conditions that could ffect the safety functions of the equipment?	Yes
Comments Seismic Walkdown	Team: D. Carter & J. Griffith - 9/4/2012	
Evaluated by: _	\ \ Addd	0/17/2012

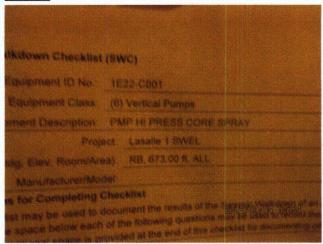
#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-C001

Equipment Class: (6) Vertical Pumps

Equipment Description: PMP HI PRESS CORE SPRAY

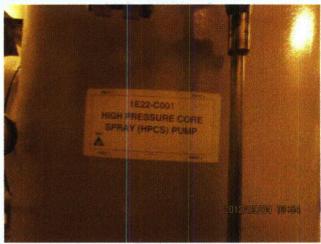
#### **Photos**



LaSalle 132



LaSalle 134



LaSalle 133



LaSalle 135

# Seismic Walkdown Checklist (SWC)

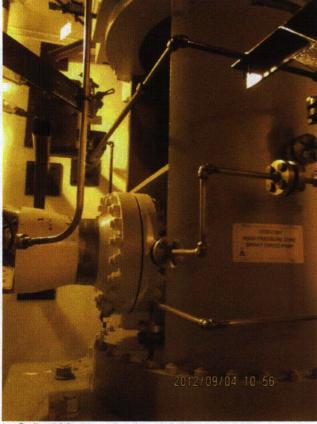
Equipment ID No.: 1E22-C001

Equipment Class: (6) Vertical Pumps

Equipment Description: PMP HI PRESS CORE SPRAY



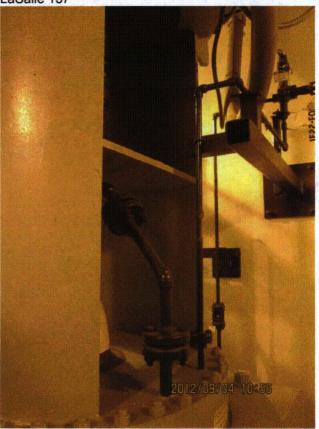
LaSalle 136



LaSalle 138



LaSalle 137



LaSalle 139

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Seismi	c Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 1E22-F004	·
	Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
1	Equipment Description: HPCS INJECTION ISOL 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 e The space below each of the following questions may be used to record the results a. Additional space is provided at the end of this checklist for documenting other com	of judgments and
<u>Ancho</u> 1.	<del></del>	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
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?	Yes

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 2 of 5

Seism	ic Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 1E22-F004	
	Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
	Equipment Description: HPCS INJECTION ISOL VALVE	
Intera	ction Effects	
7.	Are soft targets free from impact by nearby equipment or structures?	Yes
		v
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Overhead light fixture with open S-hooks. Each end of fixture tethered by flexible conduit. No soft targets below. Judged to be acceptable.	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
	Adverse Conditions  Have you looked for and found no adverse seismic conditions that could	Yes
	adversely affect the safety functions of the equipment?	res
<u>Comm</u> Seism	nents ic Walkdown Team: D. Carter & J. Griffith - 9/4/2012	
Evalua	Date: 10	0/17/2012
	James Griffith 10	0/17/2012
		•

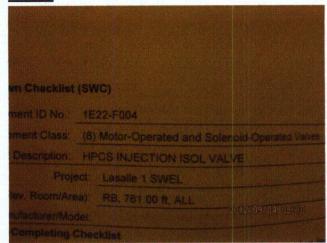
### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-F004

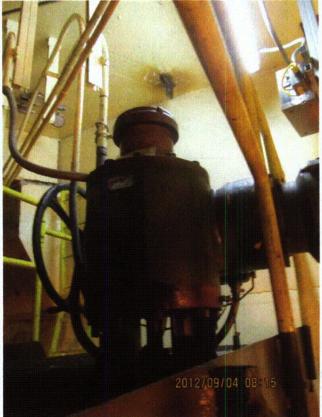
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: HPCS INJECTION ISOL VALVE

#### **Photos**



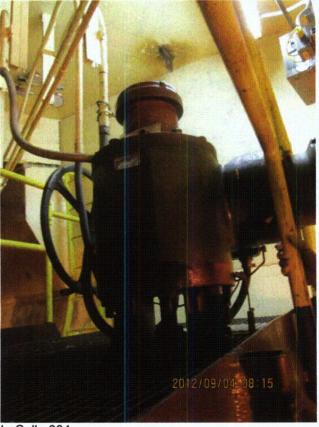




LaSalle 003



LaSalle 002



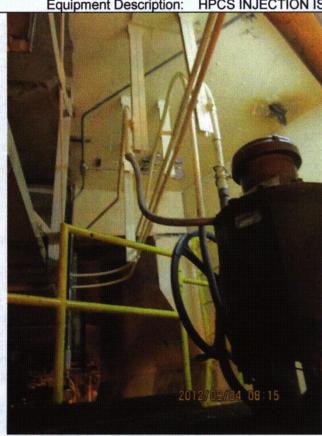
LaSalle 004

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-F004

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: HPCS INJECTION ISOL VALVE





LaSalle 006

LaSalle 005

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-F004

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: HPCS INJECTION ISOL VALVE





LaSalle 008

LaSalle 007

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 1 of 4

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1E22-F015	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: HPCS PUMP SUP POOL SUCT ISOL VALVE	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 673.00 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 complete.	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
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 4

Seismic Walkdov	n Checklist (SWC)	1	Status: Y N U
	nent ID No.: 1E22-F015		
• •	ment Class: (8) Motor-Operated a	nd Solenoid-Operated Valves	
•	<del></del>	OOL SUCT ISOL VALVE	
Interaction Effect		DOL GOOT TOOL VALVE	
- " '	gets free from impact by nearby eq	uipment or structures?	Yes
			•
masonry b	ead equipment, distribution systems lock walls not likely to collapse onto d light fixtures judged to be acceptal	the equipment?	Yes
•		•	
9. Do attach	ed lines have adequate flexibility to a	void damage?	Yes
		•	
	•		
	the above seismic interaction evalua adverse seismic interaction effects?		Yes
·			
	onditions looked for and found no adverse sei affect the safety functions of the equ		Yes
			$\mathbf{A}_{i}$ , $\mathbf{A}_{i}$ , $\mathbf{A}_{i}$ , $\mathbf{A}_{i}$
ч			
Comments	•		· · · · · · · · · · · · · · · · · · ·
<u>Comments</u> Seismic Walkdown	n Team: D. Carter & J. Griffith - 9/4/2	2012	
	0		
Evaluated by:	Wallet David Carter	D	ate: 10/17/2012
	James Griffith		10/17/2012

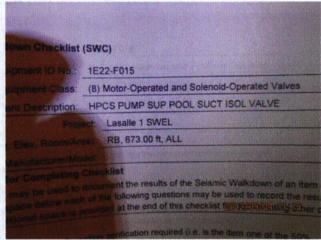
### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-F015

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: HPCS PUMP SUP POOL SUCT ISOL VALVE

#### **Photos**





LaSalle 169



LaSalle 168



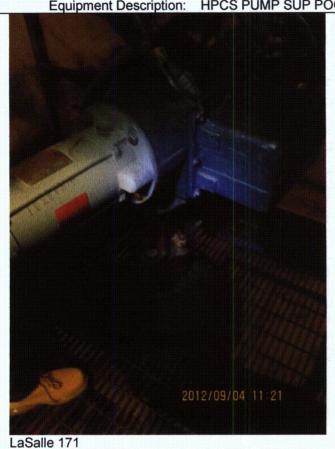
LaSalle 170

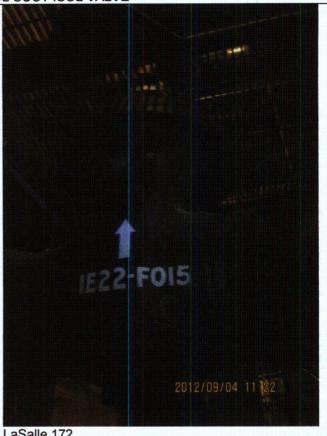
# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-F015

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: HPCS PUMP SUP POOL SUCT ISOL VALVE





LaSalle 172

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·	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1E22-F023	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: HPCS FULL FLOW TEST ISOL VALVE	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 694.00 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 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
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

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E22-F023 Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves Equipment Description: HPCS FULL FLOW TEST ISOL VALVE 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? 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 - 9/4/2012 Dalllat David Carter Evaluated by: Date: 10/17/2012 James Griffith 10/17/2012

### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-F023

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: HPCS FULL FLOW TEST ISOL VALVE

#### **Photos**

hecklist (SWC) ID No : 1E22-F023 Class: (8) Motor-Operated and Sciencid-Operates Valve iption: HPCS FULL FLOW TEST ISOL VALVE Project: Lasalle 1 SWEL om/Area): RB, 694.00 ft, ALL er/Model: eting Checklist ed to document the results of the Seis Pale 1997 Industries a th of the following questions may be used to record LaSalle 105



LaSalle 106

## Seismic Walkdown Checklist (SWC)

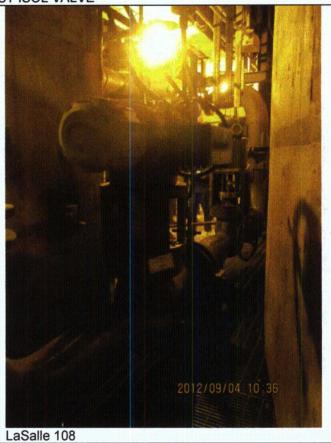
Equipment ID No.: 1E22-F023

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: HPCS FULL FLOW TEST ISOL VALVE



LaSalle 107



Sheet 5 of 6

Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-F023

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: HPCS FULL FLOW TEST ISOL VALVE





### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-F023

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: HPCS FULL FLOW TEST ISOL VALVE



LaSalle 111

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 1 of 8

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1E22-N004	
Equipment Class: (18) Instruments on Racks	
Equipment Description: HPCS PUMP DSCH PRESS	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 673.00 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 resulfindings. 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
Rack anchored to floor with 8 anchors (4 front, 4 rear).	
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
4. Is the anchorage nee of visible clacks in the concrete near the anchors:	163
	•
<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?	Yes
potertially, adverse selection conditions:	
	,

12Q0108.50-R-001 Rev. 1 Correspondence No.: RS-12-163 Sheet 2 of 8

Seism	ic Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 1E22-N004	
• •	Equipment Class: (18) Instruments on Racks	
•	Equipment Description: HPCS PUMP DSCH PRESS	
	ction Effects	
	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
	Adjacent masonry walls are safety-related per drawing A-218, Rev. T.	
9.	Do attached lines have adequate flexibility to avoid damage?	Yes
	Adjacent supports near rack but clearances are judged to be acceptable.	
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
	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>Comm</u> Seismi	r <mark>ents</mark> c Walkdown Team: D. Carter & J. Griffith - 9/4/2012	
Instrum	nent located on Rack 1H22-P024.	
Evalua	0	e: <u>10/25/2012</u>
	James Griffith	10/25/2012

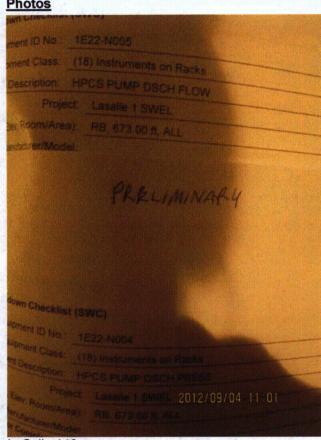
## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-N004

Equipment Class: (18) Instruments on Racks

Equipment Description: HPCS PUMP DSCH PRESS

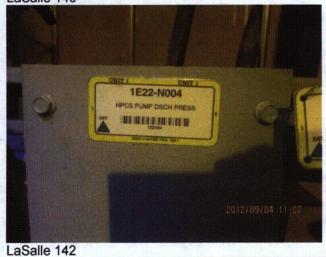
#### **Photos**





LaSalle 141







LaSalle 143

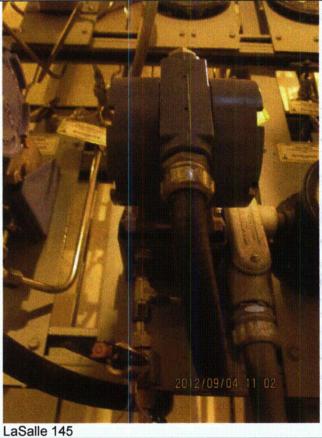
# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-N004

Equipment Class: (18) Instruments on Racks

Equipment Description: HPCS PUMP DSCH PRESS



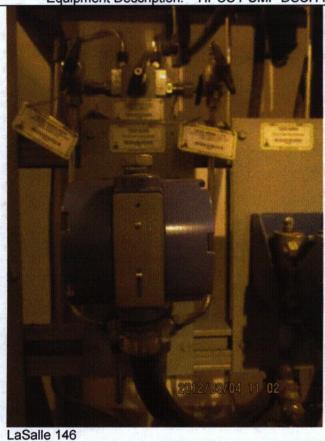


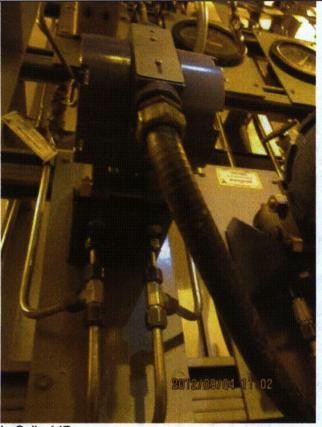
# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-N004

Equipment Class: (18) Instruments on Racks

Equipment Description: HPCS PUMP DSCH PRESS





LaSalle 147

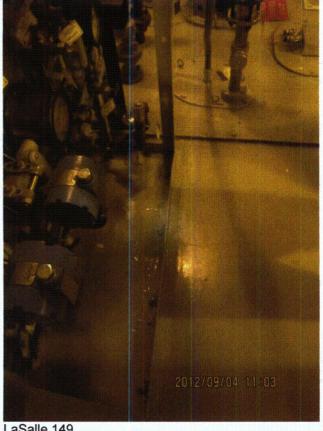
## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-N004

Equipment Class: (18) Instruments on Racks



LaSalle 148



LaSalle 149

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-N004

Equipment Class: (18) Instruments on Racks

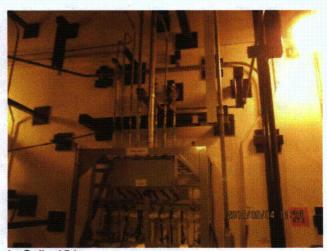




LaSalle 152







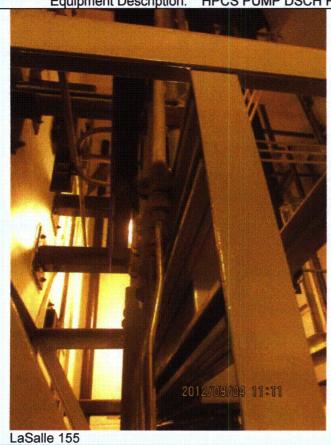
LaSalle 154

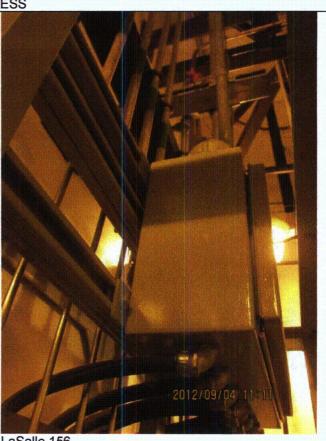
Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E22-N004

Equipment Class: (18) Instruments on Racks





LaSalle 156

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E22-N005 Equipment Class: (18) Instruments on Racks Equipment Description: HPCS PUMP DSCH FLOW Project: LaSalle 1 SWEL Location (Bldg, Elev, Room/Area): RB, 673.00 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**  Is anchorage configuration verification required (i.e., is the item one of the 50% No of SWEL items requiring such verification)? Rack anchored to floor with 8 anchors (4 front, 4 rear). 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: 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?

Seism	ic Walkdown Checklist (SWC)	Status: Y	] N U
	Equipment ID No.: 1E22-N005		
	Equipment Class: (18) Instruments on Racks	- # h	
	Equipment Description: HPCS PUMP DSCH FLOW		
	ction 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
	Adjacent masonry walls are safety-related per drawing A-218, Rev. T.		
9.	Do attached lines have adequate flexibility to avoid damage?	•	Yes
	Adjacent supports near rack but clearances are judged to be acceptable.		
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	·	Yes
. •			<u></u>
	Adverse Conditions	•	
11.	Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?		Yes
		•	
Comm	ante		
	c Walkdown Team: D. Carter & J. Griffith - 9/4/2012		
Instrun	nent located on Rack 1H22-P024.		
For ph	otographs, see SWC for 1E22-N004.		
Evalua	ted by:	10/17/2012	
	James Griffith	10/17/2012	<del>~~~~</del>
Photos	<u>.</u>		

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E51-C001 Equipment Class: (5) Horizontal Pumps Equipment Description: RCIC PUMP Project: LaSalle 1 SWEL Location (Bldg, Elev, Room/Area): RB, 673.00 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 separations between grout pads and pedestal 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.) Anchorages shown on drawings M-1572, Rev. R and M-1590, Sheet 3, Rev. М. 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E51-C001 Equipment Class: (5) Horizontal Pumps Equipment Description: RCIC 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 fixtures judged to be acceptable. Adjacent masonry wall at stairwell is safety-related per drawing A-217, Rev. R. 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: D. Carter & J. Griffith - 8/29/2012 Walt David Carter Evaluated by: Date: \_10/17/2012 James Griffith 10/17/2012

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E51-C001

Equipment Class: (5) Horizontal Pumps

Equipment Description: RCIC PUMP

#### **Photos**

nt ID No.: 1E51-C001

ent Class: (5) Horizontal Pumps

escription: RCIC PUMP

Project: Lasalle 1 SWEL

v, Room/Area): RB, 673.00 ft, ALL

facturer/Model:

## ompleting Checklist

be used to document the results of the Seismic Walkdoo e below each of the following questions #18 poles reseto re nal space is provided at the end of this checklist for docum

LaSalle 8-29-12 058



LaSalle 8-29-12 060



LaSalle 8-29-12 059



LaSalle 8-29-12 061

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E51-C001

Equipment Class: (5) Horizontal Pumps

Equipment Description: RCIC PUMP



LaSalle 8-29-12 062



LaSalle 8-29-12 064



LaSalle 8-29-12 063

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1E51-F013	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: RCIC INJECTION OTBD ISOL VALVE	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 740.00 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 co	s of judgments and
<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>	No
	•
<ol><li>Is the anchorage free of bent, broken, missing or loose hardware?</li></ol>	Not Applicable
	٠
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
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?	
	· .

Seismic Walkdov	wn Checklist (SWC)	Status: Y N U
	ment ID No.: 1E51-F013	
	oment Class: (8) Motor-Operated and Solenoid-Operated Valves	
	Description: RCIC INJECTION OTBD ISOL VALVE	-
Interaction Effect		
	argets free from impact by nearby equipment or structures?	Yes
masonry b	nead equipment, distribution systems, ceiling tiles and lighting, and block walls not likely to collapse onto the equipment? to masonry wall is safety-related per drawing A-230, Rev. Y.	Yes
9. Do attacho	ed lines have adequate flexibility to avoid damage?	Yes
	the above seismic interaction evaluations, is equipment free of y adverse seismic interaction effects?	Yes
	conditions I looked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	Yes
Comments Seismic Walkdown	rn Team: D. Carter & J. Griffith - 8/29/2012	
No photographs w	vere taken of this item.	
Evaluated by:	David Carter 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.: 1E51-F031	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: RCIC PUMP SUP POOL SUCT ISOL VALVE	And the second
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 673.00 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	
<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?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1E51-F031	
Equipment Class: _(8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: RCIC PUMP SUP POOL SUCT ISOL VALVE	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Light fixture may contact motor-operated valve clutch lever but not in a direction to actuate the MOV. Judged to be of no concern.	•
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	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  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 - 8/29/2012	
Evaluated by: David Carter Date:	10/25/2012
James Griffith	10/25/2012

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E51-F031

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: RCIC PUMP SUP POOL SUCT ISOL VALVE

#### **Photos**



LaSalle 8-29-12 141



LaSalle 8-29-12 142



LaSalle 8-29-12 143



LaSalle 8-29-12 144

### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E51-F031

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

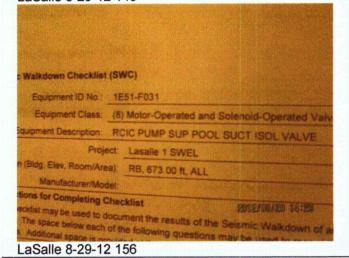
Equipment Description: RCIC PUMP SUP POOL SUCT ISOL VALVE



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LaSalle 8-29-12 146



Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1E51-F045	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: RCIC TURBINE STEAM SUPPLY VALVE	
Project: LaSalle 1 SWEL	
Location (Bldg, Elev, Room/Area): RB, 673.00 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 con	of judgments and
<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>	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
	Nat 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
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	Province
configuration verification is required.)	
Based on the above anchorage evaluations, is the anchorage free of	Yes
potentially adverse seismic conditions?	, 65

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E51-F045 Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves Equipment Description: RCIC TURBINE STEAM SUPPLY VALVE **Interaction Effects** Yes 7. Are soft targets free from impact by nearby equipment or structures? 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and Yes masonry block walls not likely to collapse onto the equipment? Adjacent masonry wall at stairwell is safety-related per drawing A-217, Rev. R. 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 - 8/29/2012 Salvat David Carter Date: 10/25/2012 Evaluated by: 10/25/2012

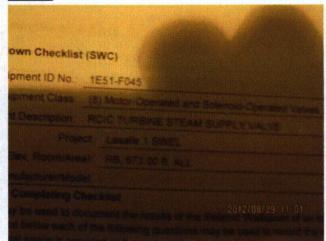
## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E51-F045

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: RCIC TURBINE STEAM SUPPLY VALVE

### **Photos**



LaSalle 8-29-12 098



LaSalle 8-29-12 101



LaSalle 8-29-12 099



LaSalle 8-29-12 102

## Seismic Walkdown Checklist (SWC)

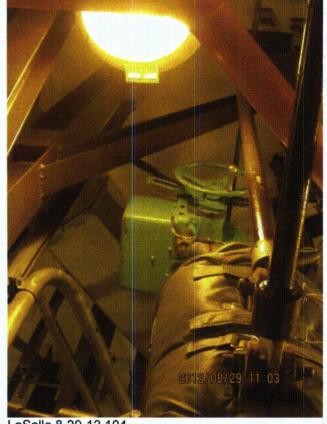
Equipment ID No.: 1E51-F045

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: RCIC TURBINE STEAM SUPPLY VALVE



LaSalle 8-29-12 103



LaSalle 8-29-12 104



LaSalle 8-29-12 105



LaSalle 8-29-12 106

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1E51-N004	
Equipment Class: (18) Instruments on Racks	
Equipment Description: RCIC PUMP DSCH PRESS	
Project: LoCallo 1 CWEI	
Location (Bldg, Elev, Room/Area): RB, 673.00 ft, ALL	• ,
Manufachuran/Madala	
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 company to the company of the company o	of judgments and
<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>	No
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 grout pad judged to be acceptable.	
<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?	Yes

Seism	ic Walkdown Checklis	t (SWC)		Status: Y N U
	Equipment ID No.	1E51-N004		
		(18) Instruments on Racks		
	Equipment Description	RCIC PUMP DSCH PRESS		
	ction Effects			
7.	Are soft targets free fr	om impact by nearby equipment or struc	ctures?	Yes
	perpendicular to the v	to wall. However, rack is well-braced in all. By judgment, if rack were to deflect of the wall would result in insignificant for	during a seismic	
8.				Yes
9.	. Do attached lines have adequate flexibility to avoid damage?		Yes	
10.		eismic interaction evaluations, is equipm ismic interaction effects?	nent free of	Yes
Other	Adverse Conditions			
	Have you looked for a	nd found no adverse seismic conditions afety functions of the equipment?	that could	Yes
Comm		Carter & J. Griffith - 8/29/2012		
	nent mounted to Rack 1			
mouul	nent mounted to reack	11 <b>22</b> -1 017.		
Evalua	ated by: Sadwlat	David Carter	Date:	10/25/2012
	June D Ay	James Griffith		10/25/2012

### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E51-N004

Equipment Class: (18) Instruments on Racks

Equipment Description: RCIC PUMP DSCH PRESS

#### **Photos**

# Walkdown Checklist (SWC)

Equipment ID No.: 1E51-N004

Equipment Class: (18) Instruments on Racks

uipment Description: RCIC PUMP DSCH PRESS

Project: Lasalle 1 SWEL

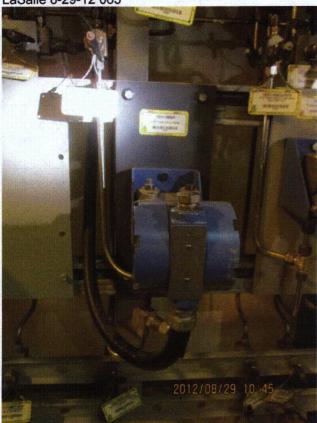
(Bidg, Elev, Room/Area): RB, 673.00 ft, ALL

Manufacturer/Model

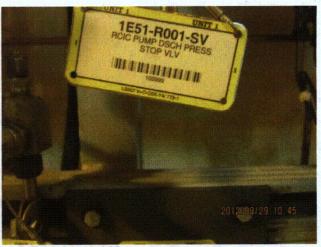
ions for Completing Checklist

ckist may be used to document the results of the Seismic Wa The space below each of the following quest 02/10/14/10/6/second Actificial space is provided at the end of this checklist for de

LaSalle 8-29-12 065



LaSalle 8-29-12 067



LaSalle 8-29-12 066



LaSalle 8-29-12 068

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E51-N004

Equipment Class: (18) Instruments on Racks



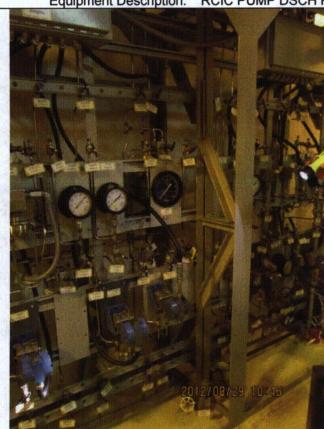


LaSalle 8-29-12 069

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E51-N004

Equipment Class: (18) Instruments on Racks





LaSalle 8-29-12 072

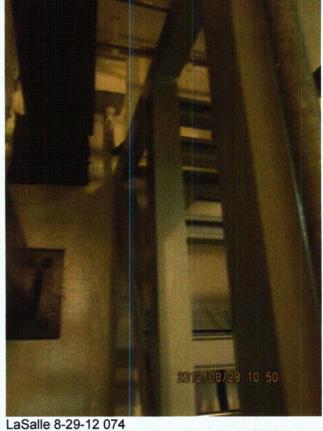
## Seismic Walkdown Checklist (SWC)

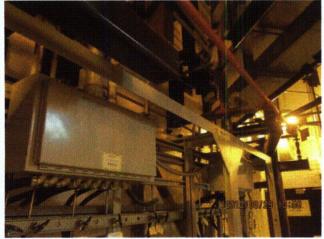
Equipment ID No.: 1E51-N004

Equipment Class: (18) Instruments on Racks

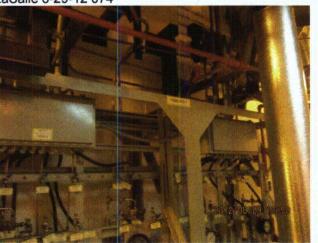


LaSalle 8-29-12 073





LaSalle 8-29-12 075



LaSalle 8-29-12 076

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E51-N004

Equipment Class: (18) Instruments on Racks

Equipment Description: RCIC PUMP DSCH PRESS





LaSalle 8-29-12 085

LaSalle 8-29-12 084

Sheet 8 of 11

Status: Y N U

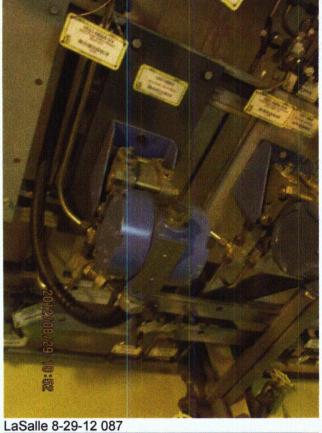
## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E51-N004

Equipment Class: (18) Instruments on Racks



LaSalle 8-29-12 086





LaSalle 8-29-12 088



LaSalle 8-29-12 089

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E51-N004

Equipment Class: (18) Instruments on Racks



LaSalle 8-29-12 090



LaSalle 8-29-12 091

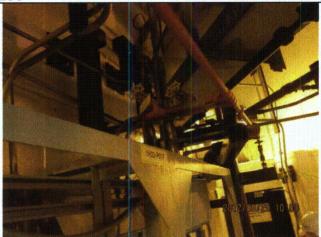
## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E51-N004

Equipment Class: (18) Instruments on Racks

Equipment Description: RCIC PUMP DSCH PRESS





LaSalle 8-29-12 093

LaSalle 8-29-12 092

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E51-N004

Equipment Class: (18) Instruments on Racks



LaSalle 8-29-12 094



LaSalle 8-29-12 096



LaSalle 8-29-12 095



LaSalle 8-29-12 097