| Statu Seismic Walkdown Checklist (SWC)   | s: Y N U  |
|--|-----------|
| Equipment ID No.: 1DO01P   |           |
| Equipment Class: (5) Horizontal Pumps  |           |
| Equipment Description: PUMP, DIESEL OILTRANSFER  |           |
| Project: LaSalle 1 SWEL  |           |
| Location (Bldg, Elev, Room/Area): DG, 674.00 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 equipme SWEL. The space below each of the following questions may be used to record the results of judg findings. Additional space is provided at the end of this checklist for documenting other comments. | ments 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       |
|  |           |
|  |           |
| 2. In the anchorous free of correction that is more than wild aurifore evidation?  | V         |
| 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       |
| Approximately 12" of sloped portion of grout pad past edge of pump base has  |           |
| been chipped away. All anchorage still engaged; 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  | 103       |
| configuration verification is required.)  Anchorage shown on drawings M-1572, Rev. R and M-1591, Sheet 5, Rev.   |           |
| E.   |           |
| Based on the above anchorage evaluations, is the anchorage free of   | Yes       |
| 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  | 162       |
|  |           |
|  | •         |

| Seismic Walkdown Checklist (SWC)  | Status: Y N U  |
|---|----------------|
| Equipment ID No.: _1DO01P   |                |
| Equipment Class: _(5) Horizontal Pumps  |                |
| Equipment Description: PUMP, DIESEL OILTRANSFER   |                |
| Interaction Effects   | · <del>-</del> |
| 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?<br>Overhead light fixtures 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: J. Griffith & M. Wodarcyk - 9/13/2012  |                |
| Mishael J. Woodington   | 0/17/2012      |
|   |                |

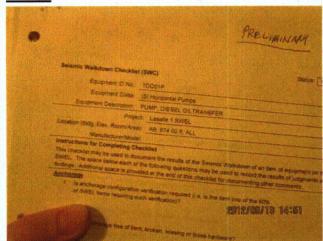
### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1D001P

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP, DIESEL OILTRANSFER

#### **Photos**



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# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1D001P

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP, DIESEL OILTRANSFER



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## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1DO01P

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP, DIESEL OILTRANSFER





Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E12-B001B Equipment Class: (21) Tanks and Heat Exchangers Equipment Description: B RHR HEAT EXCHANGER Project: LaSalle 1 SWEL Location (Bldg, Elev, Room/Area): RB, 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? Not Applicable Heat Exchanger supported from grating platform. 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 S-319A, Rev. G and S-899, Rev. L. 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 | I U |
|----------------|--|-------------|-----|
|                | Equipment ID No.: 1E12-B001B   |             |     |
|                | Equipment Class: (21) Tanks and Heat Exchangers  |             |     |
| •              | Equipment Description: B RHR HEAT EXCHANGER  |             |     |
| Interac        | 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?  1B RHR Heat Exchanger Room masonry walls are safety-related per drawing A-225, Rev. Y. |             | 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 |
|                |  | ·           |     |
| Comm<br>Seismi | nents<br>ic Walkdown Team: J. Griffith & M. Wodarcyk - 9/12/2012   |             |     |
| Evalua         | ated by: James Griffith Date:  | 10/17/2012  |     |
|                | Michael Wodarcyk   | 10/17/2012  |     |
|                |  |             |     |

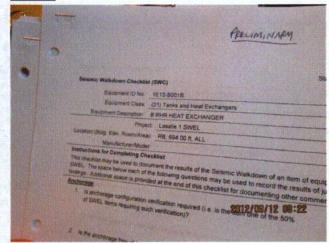
### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-B001B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: B RHR HEAT EXCHANGER

### **Photos**



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20120912-Lasalle 013

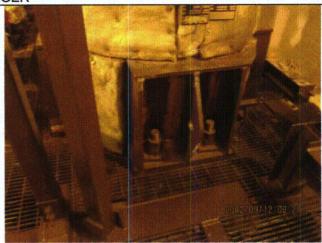
## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-B001B

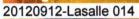
Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: B RHR HEAT EXCHANGER

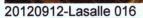




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Sheet 5 of 5

Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-B001B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: B RHR HEAT EXCHANGER



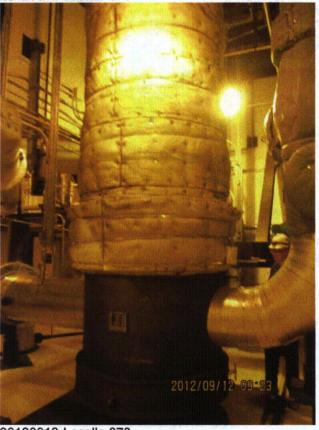
20120912-Lasalle 018



20120912-Lasalle 077



20120912-Lasalle 076



20120912-Lasalle 078

| Sajamia Walkdayya Chasklist (SWC)   | Status: Y N U      |
|---|--------------------|
| Seismic Walkdown Checklist (SWC)  |                    |
| Equipment ID No.: 1E12-C002B  |                    |
| Equipment Class: (6) Vertical Pumps   |                    |
| Equipment Description: 1B RESIDUAL HEAT REMOVAL PMP   |                    |
| 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 continuous control of the seighbor | 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>  | 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                |
| 5. Is the anchorage nee of corrosion that is more than finite surface oxidation:  | 163                |
|   |                    |
|   |                    |
| 4. Is the anchorage free of visible cracks in the concrete near the anchors?  | Yes                |
| Minor shrinkage cracks in grout pad judged to be acceptable.  |                    |
| Top edge of pump pedestal has minor spalling, judged to be acceptable.  |                    |
| <ol> <li>Is the anchorage configuration consistent with plant documentation? (Note:<br/>This question only applies if the item is one of the 50% for which an anchorage<br/>configuration verification is required.)</li> </ol>   | Yes                |
| Anchorage is shown on drawings M-1572, Rev. R and M-1590, Sheet 3, Rev. M.  |                    |
| 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.: 1E12-C002B Equipment Class: (6) Vertical Pumps Equipment Description: 1B RESIDUAL HEAT REMOVAL PMP **Interaction Effects** 7. Are soft targets free from impact by nearby equipment or structures? Yes Strut in contact with insulation on test valve. Insulation is flexible; judged to be acceptable. Temperature gauge in contact with flexible insulation; judged to be acceptable. 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: J. Griffith & M. Wodarcyk - 9/11/2012 Date: 10/17/2012 James Griffith Evaluated by: Michael Wodarcyk 10/17/2012

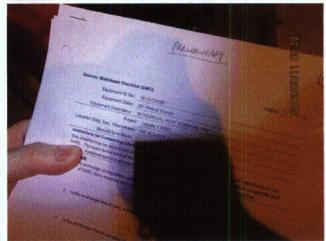
### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-C002B

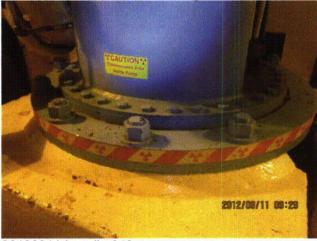
Equipment Class: (6) Vertical Pumps

Equipment Description: 1B RESIDUAL HEAT REMOVAL PMP

### **Photos**



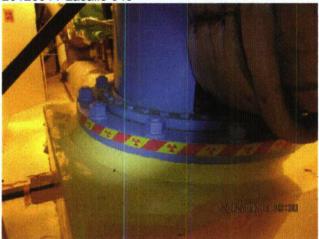
20120911-Lasalle 044



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## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-C002B

Equipment Class: (6) Vertical Pumps

Equipment Description: 1B RESIDUAL HEAT REMOVAL PMP



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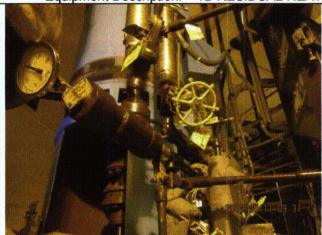
20120911-Lasalle 051

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-C002B

Equipment Class: (6) Vertical Pumps

Equipment Description: 1B RESIDUAL HEAT REMOVAL PMP



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| Seismic Walkdown Checklist (SWC)  | Status: Y N U    |
|---|------------------|
| Equipment ID No.: 1E12-C300B  |                  |
| Equipment Class: (5) Horizontal Pumps   |                  |
| Equipment Description: B RHR SERVICE WATER PUMP   |                  |
|   |                  |
| Project: LaSalle 1 SWEL   |                  |
| Location (Bldg, Elev, Room/Area): DG, 674.00 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 |
| <u>Anchorage</u>  |                  |
| <ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50%<br/>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 cracks in pedestal judged to be acceptable.   |                  |
| <ol> <li>Is the anchorage configuration consistent with plant documentation? (Note:<br/>This question only applies if the item is one of the 50% for which an anchorage<br/>configuration verification is required.)         Anchorage verified per drawings M-1572, Rev. R and M-1592, Sheet 10,<br/>Rev. P.     </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.: 1E12-C300B Equipment Class: (5) Horizontal Pumps Equipment Description: B RHR SERVICE WATER 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 - 9/17/2012 Evaluated by: Mark Etre Date: 10/17/2012 Michael Wodarcyk 10/17/2012

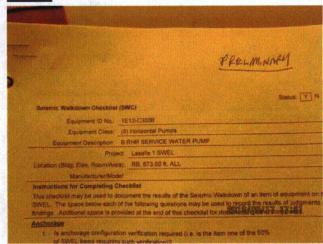
### Seismic Walkdown Checklist (SWC)

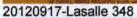
Equipment ID No.: 1E12-C300B

Equipment Class: (5) Horizontal Pumps

Equipment Description: B RHR SERVICE WATER PUMP

#### **Photos**







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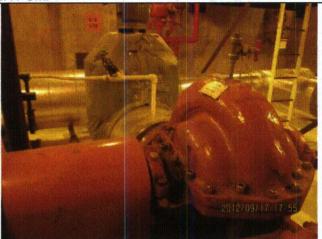
# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-C300B

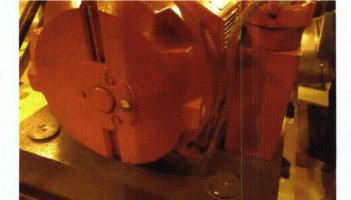
Equipment Class: (5) Horizontal Pumps

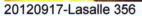
Equipment Description: B RHR SERVICE WATER PUMP

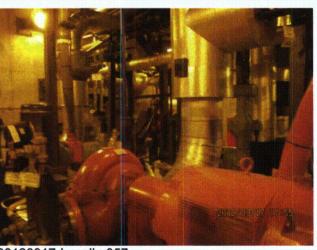




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Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E12-D300B Equipment Class: (0) Other Equipment Description: B RHR SERVICE WATER STRAINER Project: LaSalle 1 SWEL Location (Bldg, Elev, Room/Area): DG, 674.00 ft, ALL Manufacturer/Model: 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 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 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 M-1572, Rev. R and M-1591, Sheet 11, Rev.E. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

| Seismic Walkdown Checklist (SWC)  | Status: Y N U |
|---|---------------|
| Equipment ID No.: 1E12-D300B  |               |
| Equipment Class: (0) Other  |               |
| Equipment Description: B RHR SERVICE WATER STRAINER   | <del> </del>  |
| Interaction Effects   |               |
| 7. Are soft targets free from impact by nearby equipment or structures?   | Yes           |
| Tubes near flexible strainer insulation judged to be acceptable.  |               |
| 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?<br>Overhead light fixtures judged to be acceptable. | 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  | <u> </u>      |
| 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: J. Griffith & M. Wodarcyk - 9/13/2012  | ;             |
| Evaluated by: James Griffith Date: 1  | 0/17/2012     |
| Michael Wodarcyk 1  | 0/17/2012     |
|   |               |

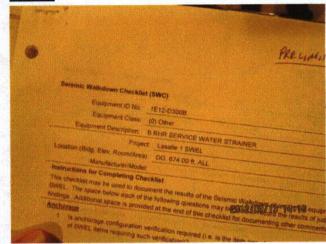
#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-D300B

Equipment Class: (0) Other

Equipment Description: B RHR SERVICE WATER STRAINER

#### **Photos**



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### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-D300B

Equipment Class: (0) Other

Equipment Description: B RHR SERVICE WATER STRAINER





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# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-D300B

Equipment Class: (0) Other

Equipment Description: B RHR SERVICE WATER STRAINER



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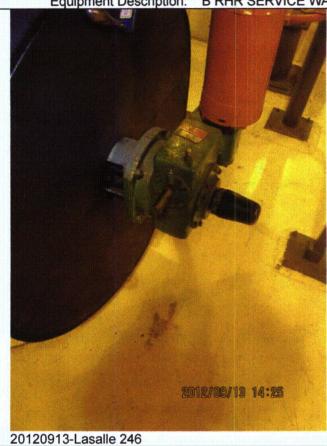
Status: Y N U

### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-D300B

Equipment Class: (0) Other

Equipment Description: B RHR SERVICE WATER STRAINER



| Seismic Walkdown Checklist (SWC)   | Status: Y N U    |
|--|------------------|
| Equipment ID No.: 1E12-F003B   |                  |
| Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves   |                  |
| Equipment Description: B RHR HX OUTLET 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 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?   | Not Applicable   |
|  |                  |
|  |                  |
| 2. In the anchorage from of correction that is more than mild ourface evidation?   | 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:  | Not Applicable   |
| This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)   | ••               |
| configuration vernication is required.)  |                  |
|  |                  |
| 6. Based on the above anchorage evaluations, is the anchorage free of  | Yes              |
| potentially adverse seismic conditions?  | 103              |
|  |                  |
|  |                  |

Status: Y Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E12-F003B Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves Equipment Description: B RHR HX OUTLET 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? Overhead light fixtures 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: J. Griffith & M. Wodarcyk - 9/12/2012 James Griffith Evaluated by: Date: 10/17/2012 Michael Wodarcyk 10/17/2012

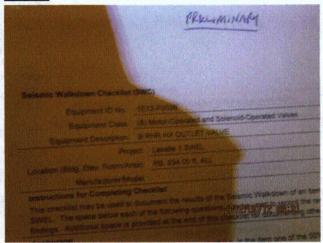
## Seismic Walkdown Checklist (SWC)

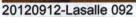
Equipment ID No.: 1E12-F003B

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

Equipment Description: B RHR HX OUTLET VALVE

#### **Photos**







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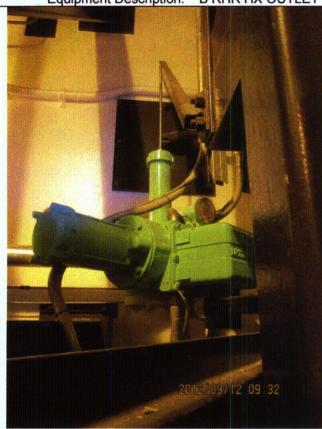
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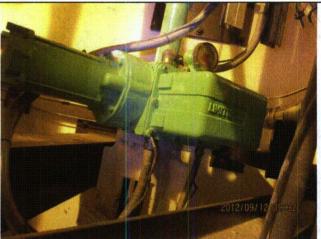
## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F003B

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

Equipment Description: B RHR HX OUTLET VALVE





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20120912-Lasalle 096

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F003B

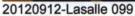
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: B RHR HX OUTLET VALVE



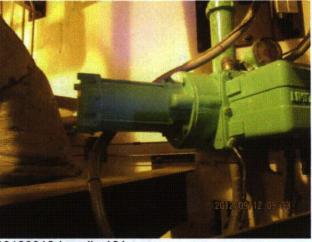
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20120912-Lasalle 100



20120912-Lasalle 101

| Equipment ID No.: 1E12-F004B   |                |
|--|----------------|
| Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves   |                |
| Equipment Description: B RHR PUMP SUP POOL SUCT ISOL VALVE   |                |
| Project: LaSalle 1 SWEL  | ·              |
| Location (Bldg, Elev, Room/Area): RB, 673.00 ft, ALL   | w              |
| Manufacturer/Model:  |                |
| Instructions for Completing Checklist  This checklist may be used to document the results of the Seismic Walkdown of an item of equipm SWEL. The space below each of the following questions may be used to record the results of judgindings. Additional space is provided at the end of this checklist for documenting other comments. | gments 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?  | Yes            |

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E12-F004B Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves Equipment Description: B RHR PUMP SUP POOL SUCT 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 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: J. Griffith & M. Wodarcyk - 9/11/2012 James Griffith Date: 10/17/2012 Evaluated by: Michael Wodarcyk 10/17/2012

Sheet 3 of 5

Status: Y N U

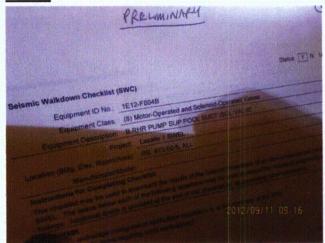
### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F004B

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

Equipment Description: B RHR PUMP SUP POOL SUCT ISOL VALVE

#### **Photos**



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20120911-Lasalle 031



20120911-Lasalle 030



20120911-Lasalle 032

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F004B

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

Equipment Description: B RHR PUMP SUP POOL SUCT ISOL VALVE



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20120911-Lasalle 035



20120911-Lasalle 034



20120911-Lasalle 036

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F004B

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

Equipment Description: B RHR PUMP SUP POOL SUCT ISOL VALVE





| Seismic Walkdown Checklist (SWC)   | Status: Y N U    |
|--|------------------|
| Equipment ID No.: 1E12-F011B   |                  |
| Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves   |                  |
| Equipment Description: B RHR HX STEAM CONDENSING SUP POOL RETURN IS  | SOL 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 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?   | 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:<br/>This question only applies if the item is one of the 50% for which an anchorage<br/>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              |

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Sheet 2 of 4

| Seismic Walkdown Checklist (SWC)  |   | •              | Status: [Y   | ט א ַ                                 |
|---|---|----------------|--------------|---------------------------------------|
| Equipment ID No.: 1E12-   | F011B   |                |              |                                       |
| Equipment Class: (8) Mo   | otor-Operated and Solenoid-Operated Val   | ves            |              |                                       |
| Equipment Description: B RH   | R HX STEAM CONDENSING SUP POOL  | RETUR          | N ISOL VALVE |                                       |
| Interaction Effects   |   |                |              |                                       |
| <ol><li>Are soft targets free from impa</li></ol>                                     | act by nearby equipment or structures?  |                |              | Yes                                   |
|   | at flexible conduits. The gallery has no sh<br>interaction concern between the gallery an                           |                |              |                                       |
| masonry block walls not likely  | ibution systems, ceiling tiles and lighting, to collapse onto the equipment? ety-related per drawing A-221, Rev. R. | and            |              | Yes                                   |
| 9. Do attached lines have adequ   | ate flexibility to avoid damage?  |                |              | Yes                                   |
| Based on the above seismic in potentially adverse seismic int                         | nteraction evaluations, is equipment free or<br>eraction effects?   | f              |              | Yes                                   |
|   |   |                |              | •                                     |
| Other Adverse Conditions  |   |                |              |                                       |
| <ol> <li>Have you looked for and found<br/>adversely affect the safety fun</li> </ol> | d no adverse seismic conditions that could ctions of the equipment?   | ١.             |              | Yes                                   |
|   |   |                | •            |                                       |
| •   |   | *              |              |                                       |
| Comments Seismic Walkdown Team: J. Griffith &   | M. Wodarcyk - 9/12/2012   |                |              |                                       |
| Evaluated by: Small April Jan   | nes Griffith  | Date:          | 10/17/2012   | · · · · · · · · · · · · · · · · · · · |
| Jan   | Michael Wodarcyk  |                | 10/17/2012   |                                       |
| , <del></del>   |   | <b>-</b><br>.: |              |                                       |

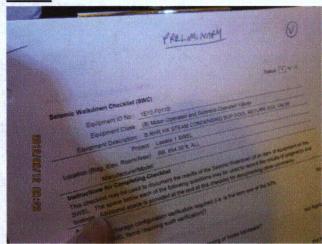
### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F011B

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

Equipment Description: B RHR HX STEAM CONDENSING SUP POOL RETURN ISOL VALVE

### **Photos**



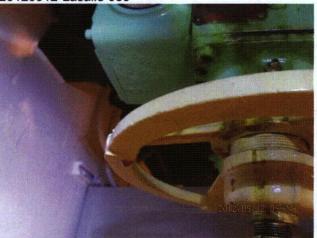
20120912-Lasalle 079



20120912-Lasalle 081



20120912-Lasalle 080



20120912-Lasalle 082

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F011B

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

Equipment Description: B RHR HX STEAM CONDENSING SUP POOL RETURN ISOL VALVE





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Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E12-F024B Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves Equipment Description: B RHR PUMP FULL FLOW TEST ISOL VALVE Project: LaSalle 1 SWEL Location (Bldg, Elev, Room/Area): RB, 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% No of SWEL items requiring such verification)? 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: 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?

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| Seismi  | ic Walkdown Checklist (SWC)  | Status: Y N U                         |
|---------|--|---------------------------------------|
|         | Equipment ID No.: 1E12-F024B   |                                       |
|         | Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves   |                                       |
|         | Equipment Description: B RHR PUMP FULL FLOW TEST ISOL VALVE  |                                       |
| Interac | 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  | Yes                                   |
|         | masonry block walls not likely to collapse onto the equipment?  Overhead light fixtures judged to be acceptable.               | •                                     |
|         |  |                                       |
| ř       | 1B RHR Heat Exchanger Room masonry walls are safety-related per drawing A-225, Rev. Y.   |                                       |
| 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 adversely affect the safety functions of the equipment? | Yes                                   |
|         | adversely affect the safety failutions of the equipment.   |                                       |
|         |  | •                                     |
| Comm    |  |                                       |
|         | ic Walkdown Team: J. Griffith & M. Wodarcyk - 9/12/2012  | , · ·                                 |
|         |  |                                       |
| Evolue  | ated by: Date: 10  | 0/17/2012                             |
| Evalua  | M + 1 1 1/1/2 L  | 3/1//2012                             |
|         | Millian y war you  | 0/47/0040                             |
|         | Michael Wodarcyk 10  | 0/17/2012                             |
|         |  | · · · · · · · · · · · · · · · · · · · |

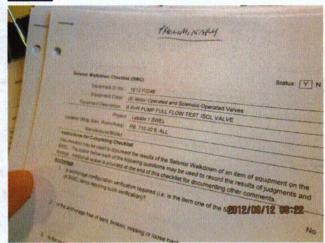
### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F024B

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

Equipment Description: B RHR PUMP FULL FLOW TEST ISOL VALVE

#### **Photos**



20120912-Lasalle 002



20120912-Lasalle 009



20120912-Lasalle 010



20120912-Lasalle 011

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-F036B  |                |
|             | Equipment Class: (7) Fluid-Operated Valves  |                |
| Eq          | uipment Description: B RHR HX STEAM CONDENSING RCIC RETURN HDR RE   | LIEF VALVE     |
|             | Project: LaSalle 1 SWEL   |                |
| Location (  | (Bldg, Elev, Room/Area): RB, 694.00 ft, ALL   |                |
|             | Manufacturer/Model:   |                |
| Instruction | ons for Completing Checklist  |                |
| SWEL. T     | klist may be used to document the results of the Seismic Walkdown of an item of eq he space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other comm | judgments and  |
| Anchora     |   | •              |
|             | s anchorage configuration verification required (i.e., is the item one of the 50% f SWEL items requiring such verification)?  | No             |
| 2. Is       | s the anchorage free of bent, broken, missing or loose hardware?  | Not Applicable |
| 3. Is       | s the anchorage free of corrosion that is more than mild surface oxidation?   | Not Applicable |
| 4. Is       | s the anchorage free of visible cracks in the concrete near the anchors?  | Not Applicable |
| Т           | s the anchorage configuration consistent with plant documentation? (Note: his question only applies if the item is one of the 50% for which an anchorage onfiguration verification is required.)  | Not Applicable |
|             | sased on the above anchorage evaluations, is the anchorage free of otentially adverse seismic conditions?   | Yes            |

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Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E12-F036B Equipment Class: (7) Fluid-Operated Valves Equipment Description: B RHR HX STEAM CONDENSING RCIC RETURN HDR RELIEF 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 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: J. Griffith & M. Wodarcyk - 9/12/2012 Date: 10/17/2012 James Griffith Evaluated by: Michael Wodarcyk 10/17/2012

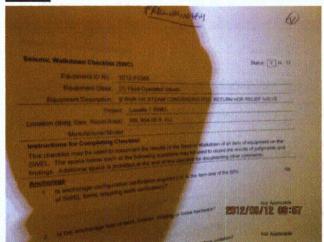
# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F036B

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: B RHR HX STEAM CONDENSING RCIC RETURN HDR RELIEF VALVE

### **Photos**



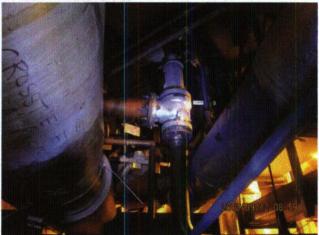
20120912-Lasalle 037



20120912-Lasalle 039



20120912-Lasalle 038



20120912-Lasalle 040

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|  | Status: Y N U    |
|--|------------------|
| Seismic Walkdown Checklist (SWC)   |                  |
| Equipment ID No.: 1E12-F048B   |                  |
| Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves   |                  |
| Equipment Description: B RHR HX BYPASS 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 cor | 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               |
|  | •                |
| Is the anchorage free of bent, broken, missing or loose hardware?  | Not Applicable   |
| 2. Is the anchorage nee of bent, broken, missing of loose hardware:  | Not Applicable   |
|  |                  |
| 3. Is the anchorage free of corrosion that is more than mild surface oxidation?  | Not Applicable   |
|  |                  |
|  |                  |
| 4. In the anchorage free of visible greeks in the congrete poor the anchors?   | 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:<br/>This question only applies if the item is one of the 50% for which an anchorage.</li></ol>  | Not Applicable   |
| configuration verification is required.)   |                  |
|  |                  |
|  |                  |
| 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  | Yes              |
|  |                  |
|  |                  |
|  |                  |

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| Seismi | ic Walkdown Checklist (SWC)  | Status: Y N U |
|--------|--|---------------|
|        | Equipment ID No.: 1E12-F048B   |               |
|        | Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves   |               |
|        | Equipment Description: B RHR HX BYPASS VALVE   |               |
|        | 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           |
|        |  |               |
| 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.    |  | Yes           |
|        |  |               |
|        |  | e e           |
| Comm   | nents  | 5             |
| Seismi | ic Walkdown Team: J. Griffith & M. Wodarcyk - 9/12/2012  |               |
| Evalua | ited by: James Griffith Date: 10   | 0/17/2012     |
| ٠      | Michael Wodneyk  |               |
|        | Michael Wodarcyk 10  | 0/17/2012     |
|        |  |               |

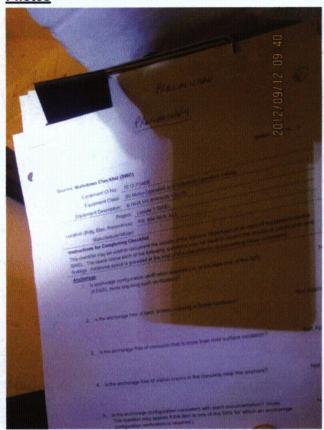
# Seismic Walkdown Checklist (SWC)

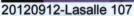
Equipment ID No.: 1E12-F048B

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

Equipment Description: B RHR HX BYPASS VALVE

### **Photos**





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2012/09/12 09:40

20120912-Lasalle 108



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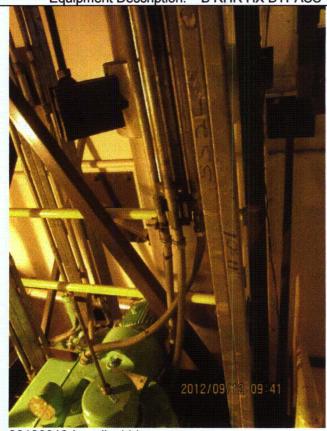
Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F048B

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

Equipment Description: B RHR HX BYPASS VALVE



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| Seismic Walkdown Checklist (SWC)   | Status: Y N U    |
|--|------------------|
| Equipment ID No.: 1E12-F051B   |                  |
| Equipment Class: (7) Fluid-Operated Valves   |                  |
| Equipment Description: B RHR HX RCIC STEAM INLET PRESS CONT VALVE  |                  |
| Project: LaSalle 1 SWEL  |                  |
| Location (Bldg, Elev, Room/Area): RB, 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 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 |
| <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:<br/>This question only applies if the item is one of the 50% for which an anchorage<br/>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              |

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| Seismic Walkdown Checklist (SWC)   | Status: Y N U |
|--|---------------|
| Equipment ID No.: 1E12-F051B   |               |
| Equipment Class: (7) Fluid-Operated Valves   |               |
|  |               |
| Equipment Description: B RHR HX RCIC STEAM INLET PRESS CONT VALVI  |               |
| 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.                   |               |
|  |               |
| 1B RHR Heat Exchanger Room masonry walls are safety-related per drawing<br>A-225, Rev. Y.  |               |
| 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           |
| poterniany develop determine interaction checks.   | ·             |
|  |               |
|  |               |
| 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           |
| Hairline crack in valve gauge cover judged not to affect functionality of valve  |               |
| per Engineering. Judged to be acceptable. See IR 1412094.  |               |
|  |               |
| Comments Sciencia Malladaum Tagana I. Criffith & M. Madarauta 0/43/2013  | • •           |
| Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 9/12/2012   |               |
|  |               |
| Evaluated by: James Griffith Date:   | 10/17/2012    |
| Mishael J. Woodingto   |               |
| Michael Wodarcyk   | 10/17/2012    |
|  |               |
|  |               |

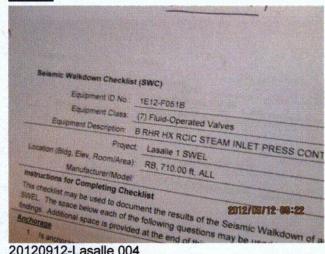
### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F051B

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: B RHR HX RCIC STEAM INLET PRESS CONT VALVE

#### **Photos**



20120912-Lasalle 004



20120912-Lasalle 020



20120912-Lasalle 019



20120912-Lasalle 021

### Seismic Walkdown Checklist (SWC)

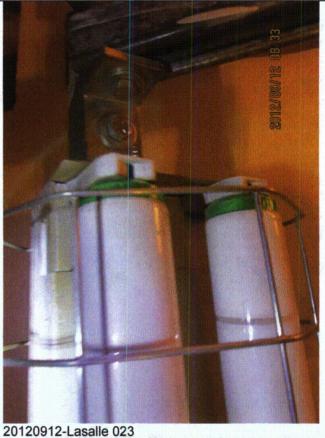
Equipment ID No.: 1E12-F051B

Equipment Class: (7) Fluid-Operated Valves

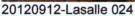
Equipment Description: B RHR HX RCIC STEAM INLET PRESS CONT VALVE



20120912-Lasalle 022









20120912-Lasalle 025

### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F051B

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: B RHR HX RCIC STEAM INLET PRESS CONT VALVE



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20120912-Lasalle 027



20120912-Lasalle 028

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Sheet 1 of 4

| Seismic Walkdown Checklist (SWC)  | Status: Y N U                                      |
|---|--|
| Equipment ID No.: 1E12-F055B  |  |
| Equipment Class: (7) Fluid-Operated Valves  |  |
| Equipment Description: B RHR HX RCIC STEAM I  | NLET HEADER RELIEF VALVE                           |
| Project: LaSalle 1 SWEL   | -  |
| Location (Bldg, Elev, Room/Area): RB, 710.00 ft, ALL  |  |
| Manufacturer/Model:   |  |
| Instructions for Completing Checklist   |  |
| This checklist may be used to document the results of the SSWEL. The space below each of the following questions may findings. Additional space is provided at the end of this checklish. | hay be used to record the results of judgments and |
| Anchorage  1. Is anchorage configuration verification required (i.e of SWEL items requiring such verification)?   | ., is the item one of the 50% No                   |
| 2. Is the anchorage free of bent, broken, missing or lo   | ose hardware? Not Applicable                       |
| 3. Is the anchorage free of corrosion that is more than   | n mild surface oxidation? Not Applicable           |
| 4. Is the anchorage free of visible cracks in the concre  | ete near the anchors? Not Applicable               |
| <ol> <li>Is the anchorage configuration consistent with plan         This question only applies if the item is one of the 5 configuration verification is required.)     </li> </ol>      |  |
| Based on the above anchorage evaluations, is the potentially adverse seismic conditions?  | anchorage free of Yes                              |

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Sheet 2 of 4

| Seismic Walkdown Checklist (SWC)   | Status: Y N U |
|--|---------------|
|  |               |
| Equipment ID No.: 1E12-F055B   |               |
| Equipment Class: _(7) Fluid-Operated Valves  |               |
| Equipment Description: B RHR HX RCIC STEAM INLET HEADER RELIEF 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 masonry block walls not likely to collapse onto the equipment?<br>Overhead light fixtures judged to be acceptable.  | Yes           |
| 1B RHR Heat Exchanger Room masonry walls are safety-related per drawing  |               |
| <ul><li>A-225, Rev. Y.</li><li>9. Do attached lines have adequate flexibility to avoid damage?</li></ul>   | 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? Valve located near insulated pipe. Pipe insulation is flexible; therefore, there is no interaction concern. | Yes           |
| Comments   | 1 24.41       |
| Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 9/12/2012   |               |
| Evaluated by: James Griffith Date: 10  | /17/2012      |
| Michael Wodarcyk 10  | /17/2012      |
|  |               |

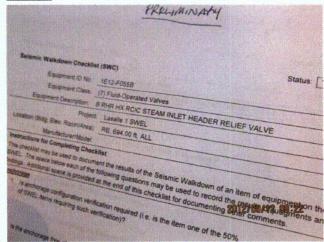
### Seismic Walkdown Checklist (SWC)

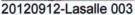
Equipment ID No.: 1E12-F055B

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: B RHR HX RCIC STEAM INLET HEADER RELIEF VALVE

#### **Photos**



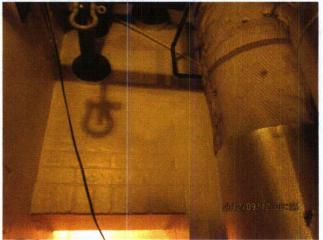




20120912-Lasalle 006



20120912-Lasalle 005



20120912-Lasalle 007

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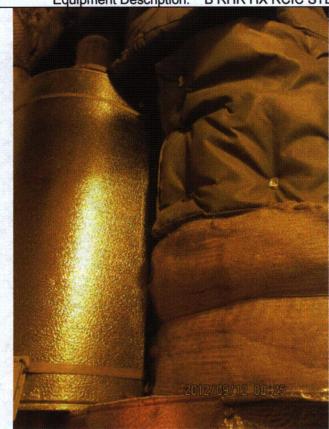
Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F055B

Equipment Class: \_(7) Fluid-Operated Valves

Equipment Description: B RHR HX RCIC STEAM INLET HEADER RELIEF VALVE



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| Seismic Walkdown Checklist (SWC)  | atus: [Y] N U  |
|---|----------------|
| Equipment ID No.: 1E12-F068A  |                |
| Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves  |                |
| Equipment Description: A RHR HX SERVICE WATER OUTLET 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 equip SWEL. The space below each of the following questions may be used to record the results of jufindings. Additional space is provided at the end of this checklist for documenting other commer | idgments 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:<br/>This question only applies if the item is one of the 50% for which an anchorage<br/>configuration verification is required.)</li> </ol>   | Not Applicable |
| Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  | Yes            |

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Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E12-F068A Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves Equipment Description: A RHR HX SERVICE WATER OUTLET VALVE **Interaction Effects** 7. Are soft targets free from impact by nearby equipment or structures? Yes Scaffold adequately restrained. 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? Valve has significant leakage and corrosion of mounting hardware from valve motor to valve body. Per Operations, leak has been addressed with a catch basin and a work order (WO 01432087) has been issued for repair of the corroded items. Comments Seismic Walkdown Team: M. Etre & M. Wodarcyk - 9/17/2012 Evaluated by: Mark Etre Date: 10/17/2012 10/17/2012 Michael Wodarcvk

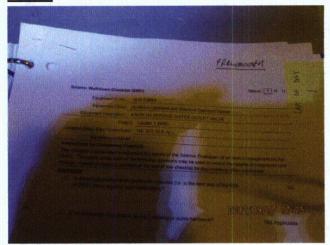
# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F068A

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

Equipment Description: A RHR HX SERVICE WATER OUTLET VALVE

#### **Photos**



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20120917-Lasalle 334



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# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F068A

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

Equipment Description: A RHR HX SERVICE WATER OUTLET VALVE



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| Seismic Walkdown Checklist (SWC)   | Status: Y N U      |
|--|--------------------|
| Equipment ID No.: 1E12-F068B   |                    |
| Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves   |                    |
| Equipment Description: B RHR HX SERVICE WATER OUTLET VALVE   |                    |
| Project: LaSalle 1 SWEL  |                    |
|  | L. Military        |
| 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 cor | s of judgments and |
| <u>Anchorage</u>   |                    |
| <ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50%<br/>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:<br/>This question only applies if the item is one of the 50% for which an anchorage<br/>configuration verification is required.)</li> </ol>  | Not Applicable     |
| Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?   | Yes                |
|  |                    |

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Sheet 2 of 4

| Seismic Walkdown Checklist (SWC)  | Status: Y N U |
|---|---------------|
| Equipment ID No.: 1E12-F068B  |               |
| Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves  |               |
| Equipment Description: B RHR HX SERVICE WATER OUTLET 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 masonry block walls not likely to collapse onto the equipment?<br>Overhead light fixtures 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  |               |
| 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: J. Griffith & M. Wodarcyk - 9/12/2012   |               |
| Evaluated by: James Griffith Date: 1  | 10/17/2012    |
|   | 10/17/2012    |
|   |               |

Sheet 3 of 4

Status: Y N U

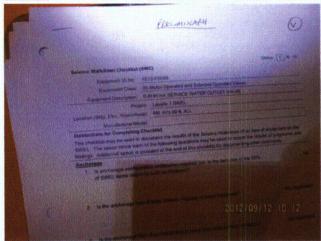
### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F068B

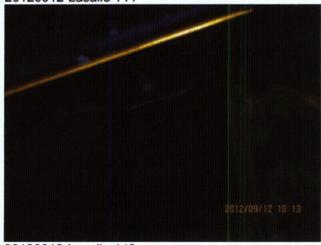
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: B RHR HX SERVICE WATER OUTLET VALVE

### **Photos**



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20120912-Lasalle 146



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# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-F068B

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

Equipment Description: B RHR HX SERVICE WATER OUTLET VALVE



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| Seismic Walkdown Checklist (SWC)  | Status: Y N U    |
|---|------------------|
| Equipment ID No.: 1E12-N005B  |                  |
| Equipment Class: (19) Temperature Sensors   |                  |
| Equipment Description: B RHR HX SERVICE WATER DSCH TEMP 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 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 |
| <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   |
| 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:<br/>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              |
|   |                  |

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Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E12-N005B Equipment Class: (19) Temperature Sensors Equipment Description: B RHR HX SERVICE WATER DSCH TEMP 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 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: J. Griffith & M. Wodarcyk - 9/12/2012 James Griffith Evaluated by: Date: 10/17/2012 Michael Wodarcyk 10/17/2012

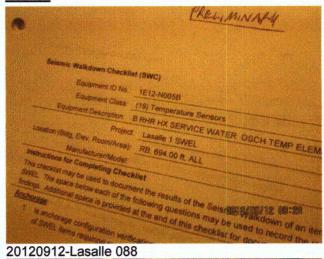
### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-N005B

Equipment Class: (19) Temperature Sensors

Equipment Description: B RHR HX SERVICE WATER DSCH TEMP ELEMENT

#### **Photos**



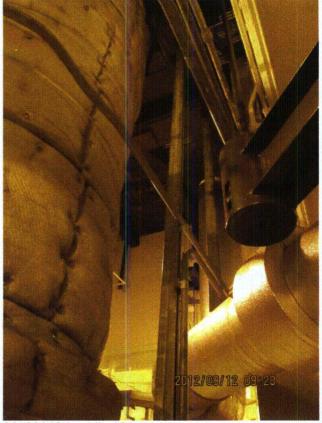
20120912-Lasalle 088



20120912-Lasalle 090



20120912-Lasalle 089



20120912-Lasalle 091

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| Seismic Walkdown Checklist (SWC)  | Status: Y N U    |  |  |  |  |
|---|------------------|--|--|--|--|
| Equipment ID No.: 1E12-N007B  |                  |  |  |  |  |
| Equipment Class: (18) Instruments on Racks  |                  |  |  |  |  |
| Equipment Description: B RHR HX SERVICE WATER INLET FLOW  |                  |  |  |  |  |
|   |                  |  |  |  |  |
| Project: LaSalle 1 SWEL  Location (Bldg, Elev, Room/Area): RB, 673.00 ft, ALL   |                  |  |  |  |  |
| NA  |                  |  |  |  |  |
| 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 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>  | 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:<br/>This question only applies if the item is one of the 50% for which an anchorage<br/>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              |  |  |  |  |

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Status: Seismic Walkdown Checklist (SWC) Equipment ID No.: 1E12-N007B Equipment Class: (18) Instruments on Racks Equipment Description: B RHR HX SERVICE WATER INLET FLOW **Interaction Effects** 7. Are soft targets free from impact by nearby equipment or structures? Yes Tubes and flexible conduits in contact at several locations. Judged to be acceptable due to flexibility of items. 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. 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? Rack 1H22-P021 is in contact with existing pipe support auxiliary steel. Rack frame member in contact with support is flexible: instruments on rack are mounted away from the point of contact and therefore any impact force will have dissipated before reaching instruments. Factor of safety between instruments' tested seismic capacities and station seismic acceleration is significant. Pipe support is relatively flexible. Judged to be acceptable. See IR 1411614. Comments Seismic Walkdown Team: J. Griffith & M. Wodarcyk - 9/11/2012 & 9/12/2012 Instrument located on Rack 1H22-P021. James Griffith Evaluated by: Date:

Michael Wodarcyk

10/17/2012

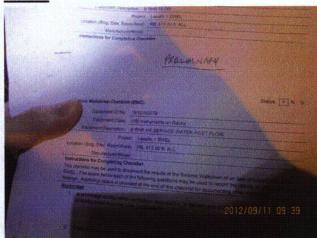
### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-N007B

Equipment Class: (18) Instruments on Racks

Equipment Description: B RHR HX SERVICE WATER INLET FLOW

#### **Photos**



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20120911-Lasalle 058



20120911-Lasalle 057



20120911-Lasalle 059

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-N007B

Equipment Class: (18) Instruments on Racks

Equipment Description: B RHR HX SERVICE WATER INLET FLOW





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Sheet 5 of 10

Status: Y N U

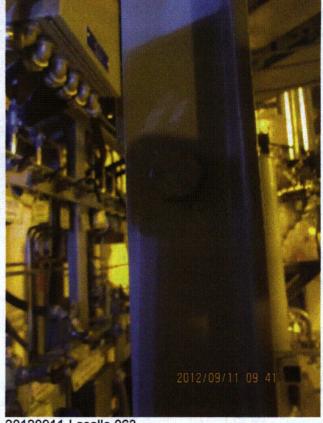
# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-N007B

Equipment Class: (18) Instruments on Racks



20120911-Lasalle 062

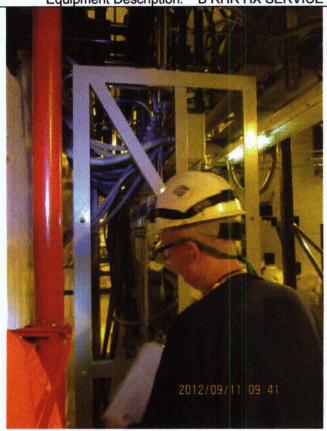


20120911-Lasalle 063

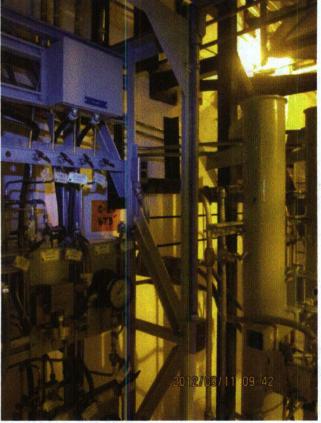
# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-N007B

Equipment Class: (18) Instruments on Racks





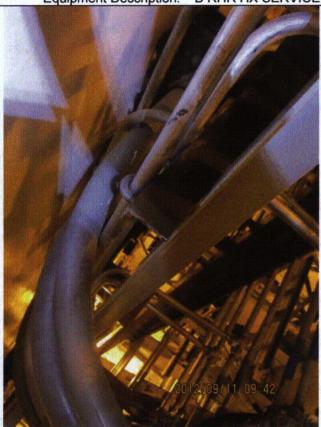


20120911-Lasalle 065

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-N007B

Equipment Class: (18) Instruments on Racks





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Status: Y N U

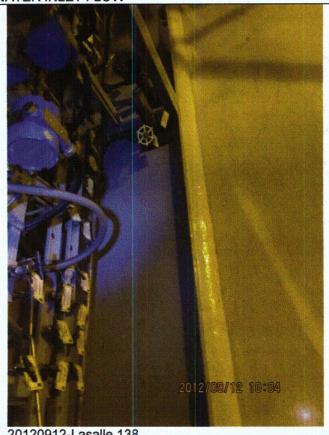
# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-N007B

Equipment Class: (18) Instruments on Racks



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Sheet 9 of 10

Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-N007B

Equipment Class: (18) Instruments on Racks



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20120912-Lasalle 140



20120912-Lasalle 141



20120912-Lasalle 142

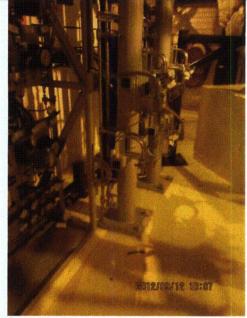
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Status: Y N U

### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1E12-N007B

Equipment Class: (18) Instruments on Racks



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| Cain with Malledown Oh a alding (CMIC)   | Status: Y N U                            |
|--|--|
| Seismic Walkdown Checklist (SWC)   |  |
| Equipment ID No.: 1E12-N015B   |  |
| Equipment Class: (18) Instruments on Racks   |  |
| Equipment Description: B RHR 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 example. 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%<br/>of SWEL items requiring such verification)?</li> </ol>   | No                                       |
|  |  |
| 2. Is the anchorage free of bent, broken, missing or loose hardware?   | Yes                                      |
|  | , en |
| 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:<br/>This question only applies if the item is one of the 50% for which an anchorage<br/>configuration verification is required.)</li> </ol>  | Not Applicable                           |
| Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?   | Yes                                      |

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| 0-11-             | Malledanes Obsaleliat  | (0)4(0)   | Status: Y N U                         |
|-------------------|--|---|---------------------------------------|
| Seismic           | Walkdown Checklist   | (SWC)   | •                                     |
|                   | Equipment ID No.:  | 1E12-N015B  | · · · · · · · · · · · · · · · · · · · |
|                   | Equipment Class:   | (18) Instruments on Racks   |                                       |
| Ec                | uipment Description:   | B RHR FLOW  |                                       |
| Interacti         | on Effects   |   |                                       |
| 7. <i>P</i>       | are soft targets free fro  | m impact by nearby equipment or structures?   | Yes                                   |
| â                 | Tubes and flexible cor<br>cceptable due to flexib                      | nduits in contact at several locations. Judged to be pility of items.   |                                       |
|                   | nasonry block walls no   | nt, distribution systems, ceiling tiles and lighting, and tilkely to collapse onto the equipment? s judged to be acceptable.  | Yes                                   |
| 9. [              | o attached lines have  | adequate flexibility to avoid damage?   | Yes                                   |
|                   |  |   |                                       |
|                   |  | ismic interaction evaluations, is equipment free of mic interaction effects?  | Yes                                   |
|                   |  |   |                                       |
|                   | Iverse Conditions  |   |                                       |
| а                 | dversely affect the saf  | d found no adverse seismic conditions that could ety functions of the equipment?  contact with existing pipe support auxiliary steel.   | Yes                                   |
| F<br>n<br>h<br>ii | Rack frame member in<br>nounted away from the<br>ave dissipated before | contact with support is flexible: instruments on rack are point of contact and therefore any impact force will reaching instruments. Factor of safety between smic capacities and station seismic acceleration is |                                       |
|                   | udged to be acceptabl  | e. See IR 1411614.  |                                       |
|                   | —<br>Walkdown Team: J. Gr  | iffith & M. Wodarcyk - 9/11/2012 & 9/12/2012  |                                       |
| Instrume          | nt on Rack 1H22-P021   | •   |                                       |
| For photo         | ographs, see SWC for   | 1E12-N007B.   |                                       |
|                   |  |   |                                       |

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| Seismic Walkdo | own Checklist (SWC)                    |       | Status: Y N U |
|----------------|--|-------|---------------|
| Equip          | oment ID No.: 1E12-N015B               |       |               |
| Equi           | pment Class: (18) Instruments on Racks |       |               |
| Equipmen       | t Description: B RHR FLOW              |       |               |
| Evaluated by:  | James Griffith                         | Date: | 10/17/2012    |
|                | Michael Wodarcyk                       |       | 10/17/2012    |
| Photos         |  |       |               |
|                | •                                      |       |               |