

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

November 27, 2012

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Serial No. 12-208H
NL&OS/WDC R0
Docket Nos. 50-280/281
License Nos. DPR-32/37

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNITS 1 AND 2
REPORT IN RESPONSE TO MARCH 12, 2012 INFORMATION REQUEST
REGARDING SEISMIC ASPECTS OF RECOMMENDATION 2.3

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued, "Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident," to all power reactor licensees and holders of construction permits in active or deferred status. Seismic Recommendation 2.3 requires licensees to conduct seismic walkdowns at their plants to identify and address plant specific degraded, nonconforming, or unanalyzed conditions such that the nuclear power plant can respond to external events.

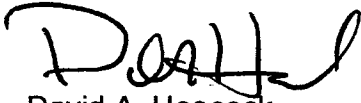
For Seismic Recommendation 2.3, Enclosure 3 of the letter states that within 180 days of the NRC's endorsement of the walkdown process, each licensee will submit its final response. The response should include a list of any areas that are unable to be inspected due to inaccessibility and a schedule for when the walkdowns will be completed.

In a letter dated May 31, 2012, the NRC endorsed EPRI 1025286, "Seismic Walkdown Guidance: For Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic," which Virginia Electric and Power Company (Dominion) used to conduct its seismic walkdowns for Surry Power Station (Surry) Units 1 and 2. Attachment 1, on the attached compact disc, provides the walkdown report as Dominion's response to Seismic Recommendation 2.3 for Surry Units 1 and 2, and includes the results of seismic walkdowns completed as of November 10, 2012. Attachment 2 provides a list of items for which inspections could not be completed due to inaccessibility and a schedule of when the walkdowns for these items will be completed. A supplemental submittal will be provided to the NRC with the results of the deferred seismic walkdowns for Surry Units 1 and 2 by August 31, 2014.

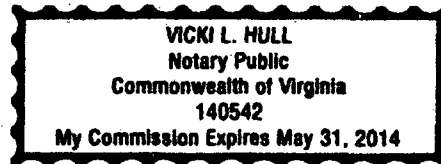
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NRC

If you have any questions regarding this information, please contact Gary D. Miller at (804) 273-2771.

Sincerely,



David A. Heacock
President and Chief Nuclear Officer
Virginia Electric and Power Company



COMMONWEALTH OF VIRGINIA)
)
COUNTY OF HENRICO)

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by David A. Heacock, who is President and Chief Nuclear Officer of Virginia Electric and Power Company. He has affirmed before me that he is duly authorized to execute and file the foregoing document in behalf of that company, and that the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 27TH day of November, 2012.

My Commission Expires: May 31, 2014
Vicki L. Hull
Notary Public

Commitments made in this letter:

1. Seismic walkdowns that could not be completed due to inaccessibility will be completed as indicated in Attachment 2, Table 3-1 and Table 3-2 and a supplemental submittal will be provided for Surry Units 1 and 2 by August 31, 2014.

Attachments:

1. Surry Seismic Walkdown Summary Report
2. List of Inaccessible Items

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NRC Senior Resident Inspector
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ATTACHMENT 1

(See attached compact disc)

SURRY SEISMIC WALKDOWN SUMMARY REPORT

**VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNITS 1 AND 2**

ATTACHMENT 2

LIST OF INACCESSIBLE ITEMS

**VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNITS 1 AND 2**

Table 3-1: Unit 1 Deferred Walkdown Items

ID Number	Description	Location	Inspection Completion Schedule
1-IA-PCV-101	PORV Backup Air	Containment	Fall outage 2013
1-RC-PCV-1455C	Pressurizer PORV	Containment	Fall outage 2013
1-DA-TV-100A	Containment Sump Dsch Trip Valve	Containment	Fall outage 2013
1-FW-MOV-151B	AFW Header	Containment	Fall outage 2013
1-FW-MOV-151E	AFW Header	Containment	Fall outage 2013
1-SI-MOV-1865A	Accumulator Outlet	Containment	Fall outage 2013
1-VS-AC-1	MCR AC Unit	Service Building	Fall outage 2013
1-VS-AC-7	Relay Room AC Unit	Service Building	Fall outage 2013
1-EP-DB-1-IA	EE/120V VITAL AC 1-IA BUS (RED)	ESGR	Fall outage 2013
1-EP-DB-1SVB1	EE/120V SEMI-VITAL AC BUS	Control Room	Fall outage 2013
1-FW-FT-100A	AFW Flow Transmitter	Containment	Fall outage 2013
1-IA-PS-103B	PORV Backup Air Pressure Switch	Containment	Fall outage 2013
1-IA-PS-104B	PORV Backup Air Bottle Pressure Switch	Containment	Fall outage 2013
1-SI-TK-1C	SI Accumulator	Containment	Fall outage 2013
1-CW-PNL-1B*	Canal Level Relay Panel	ESGR	Fall outage 2013
1-EP-MCC-1H1-2N*	Emergency MCC	Cable Vault	Fall outage 2013
1-EP-MCC-1K1*	MCC for Chiller 4A	ESGR	Fall outage 2013
1-EP-MCC-1H-1B*	MCC for Chiller 4E	MER 5	Fall outage 2013
1-EP-TRAN-1J*	4160-480V Service Transformer	ESGR	Fall outage 2013
1-EP-XFRM-1SVB1-2*	480-120V Semi-Vital Transformer	Control Room	Fall outage 2013
1-HT-T-2B3*	Heat Tracing Transformer	Auxiliary	Fall outage 2013
1-EPD-DCS-1A-SUB*	EE/125V VITAL DC SUB PNL 1A	ESGR	Fall outage 2013

Table 3-1: Unit 1 Deferred Walkdown Items

ID Number	Description	Location	Inspection Completion Schedule
1-MS-BC-1*	MSTV App R SOV Battery Charger	Control Room	Fall outage 2013
1-MS-BC-2*	MSTV App R SOV Battery Charger	ESGR	Fall outage 2013
1-EE-BC-EG1*	EDG 1 Battery Charger	EDG 1 Room	Fall outage 2013
1-SW-CAB-3C*	Emergency SW Pump Relay Cabinet	ESPH	Fall outage 2013
1-CW-PNL-1A*	Canal Level Relay Panel	Cable Vault	Fall outage 2013
1-EP-CS-100*	CONTROL ROOM CHILLER TRAN SWITCH	Service Building	Fall outage 2013

* Walkdown inspection complete with the exception of access to electrical cabinet internally mounted items.

Table 3-2: Unit 2 Deferred Walkdown Items

ID Number	Description	Location	Inspection Completion Schedule
2-BD-TV-200A	S/G A Blowdown Containment Isolation	Containment	Spring outage 2014
2-IA-PCV-201	PORV Backup Air	Containment	Spring outage 2014
2-RC-PCV-2455C	Pressurize PORV	Containment	Spring outage 2014
2-DA-TV-200A	Containment Sump Dsch Trip Valve	Containment	Spring outage 2014
2-VS-AC-6	ESGR Air Handler	ESGR	Spring outage 2014
2-VS-AC-7	ESGR Air Handler	ESGR	Spring outage 2014
2-FW-MOV-251B	AFW Header	Containment	Spring outage 2014
2-FW-MOV-251E	AFW Header	Containment	Spring outage 2014
2-SI-MOV-2865A	Accumulator Outlet	Containment	Spring outage 2014
2-EP-DB-2-IA	EE/120V VITAL AC 2-IA BUS (RED)	ESGR	Spring outage 2014
2-EP-DB-2SVB1	EE/120V SEMI-VITAL AC BUS	Control Room	Spring outage 2014
2-FW-FT-200A	AFW Flow Transmitter	Containment	Spring outage 2014
2-IA-PS-203B	PORV Backup Air Pressure Switch	Containment	Spring outage 2014
2-IA-PS-204B	PORV Backup Air Bottle Pressure Switch	Containment	Spring outage 2014
2-SI-TK-1C	SI Accumulator	Containment	Spring outage 2014
2-EP-MCC-2H1-1A*	2H Emergency MCC	EDG 2 Room	Spring outage 2014
2-EP-CS-200*	CONTROL ROOM CHILLER 4B TRANSFER SWITCH	ESGR	Spring outage 2014
2-EP-MCC-2H1-2N*	Emergency MCC	Cable Vault	Spring outage 2014
2-EP-MCC-2K1*	MCC for Chiller 4B	ESGR	Spring outage 2014
2-EP-TRAN-2J*	4160-480V Service Transformer	ESGR	Spring outage 2014
2-EP-XFRM-2SVB1-2*	480-120V Semi-Vital Bus	Control Room	Spring outage 2014

Table 3-2: Unit 2 Deferred Walkdown Items

ID Number	Description	Location	Inspection Completion Schedule
2-EP-UPS-2A-1*	EE/UPS 2A1	ESGR	Spring outage 2014
2-EPD-DCS-2A-SUB*	EE/125V VITAL DC SUB PNL 2A	ESGR	Spring outage 2014
2-EP-UPS-2B-2*	EE/UPS 2B2	ESGR	Spring outage 2014
2-MS-BC-2*	MSTV App R SOV Battery Charger	ESGR	Spring outage 2014
2-EE-BC-EG2*	EDG 2 Battery Charger	EDG 2 Room	Spring outage 2014
2-CW-PNL-1A*	Canal Level Relay Panel	ESGR	Spring outage 2014

* Walkdown inspection complete with the exception of access to electrical cabinet internally mounted items.

Dominion

**Virginia Electric and Power Company
Surry Power Station Units 1 and 2**

Seismic Walkdown Summary Report

**Resolution of Fukushima Near-Term Task Force
Recommendation 2.3: Seismic**

November, 2012

Executive Summary

On March 12, 2012, the U.S. Nuclear Regulatory Commission (NRC) staff issued requests for information pursuant to 10 CFR 50.54(f) related to the Near Term Task Force (NTTF) recommendations. Enclosure 3 of the NRC's 50.54(f) letter requested utilities to provide information related to NTTF Recommendation 2.3: Seismic, as amended by the Staff Requirements Memoranda (SRMs) associated with SECY-11-0124 and SECY-11-0137. The nuclear power industry and the NRC cooperatively developed guidelines and procedures to perform the seismic walkdowns. The resulting EPRI Report No. 1025286, *Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic* (EPRI 1025286) provides guidance and procedures for performing the seismic walkdowns.

Dominion followed the EPRI 1025286 guidance in developing the Seismic Walkdown Equipment List (SWEL), performing the Surry Power Station (SPS) seismic walkdowns and developing the submittal report. Seismic walkdowns of accessible items have been completed. Some items included on the SWEL were not sufficiently accessible to complete the walkdown inspection. Walkdowns for these items are planned to be completed by the end of the next scheduled refueling outage (Fall 2013 for Unit 1 and Spring 2014 for Unit 2). A revised Summary Report will be issued following completion of the seismic walkdowns.

By completing and documenting the requested seismic walkdowns for SPS, Dominion has met the objectives of the NRC request for information related to NTTF Recommendation 2.3: Seismic. Potentially adverse conditions identified during the completed seismic walkdowns and area walk-bys were submitted as Condition Reports (CRs) in the SPS corrective action program (CAP). To date, no significant issues have been identified that challenged the SPS seismic licensing or design basis as a result of the walkdowns.

Surry Power Station Seismic Walkdown Summary Report

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Background

Following the accident at the Fukushima Daiichi nuclear power plant resulting from the March 11, 2011, Great Tohoku Earthquake and subsequent tsunami, the Nuclear Regulatory Commission (NRC) established the Near Term Task Force (NTTF) in response to Commission direction. The NTTF was tasked with conducting a review of NRC regulations and processes and determining if the NRC should make additional improvements.

A set of recommendations made by the task force was included in a report provided to the Commission. Although the NRC concluded that continued plant operation did not pose an imminent risk to public health and safety, the Commission directed the NRC staff (in the Staff Requirements Memoranda (SRM) to SECY-11-0093) to determine those recommendations that should be implemented without unnecessary delay. In SECY-11-0124, the NRC staff identified the NTTF recommendations that should be implemented without delay, including the development of information requests to be made under 10 CFR 50.54(f).

The NRC issued the requests for information pursuant to 10 CFR 50.54(f) on March 12, 2012 related to the following NTTF recommendations (Reference 1):

- Recommendation 2.1: Seismic
- Recommendation 2.1: Flooding
- Recommendation 2.3: Seismic
- Recommendation 2.3: Flooding
- Recommendation 9.3: Emergency Preparedness

Enclosure 3 of the NRC's 50.54(f) letter addressed providing information related to NTTF Recommendation 2.3: Seismic, as amended by the SRMs associated with SECY-11-0124 and SECY-11-0137. Enclosure 3 requested that licensees:

1. Develop a methodology and acceptance criteria for seismic walkdowns to be endorsed by the NRC staff,
2. Perform seismic walkdowns using the NRC-endorsed walkdown methodology,
3. Identify and address degraded, nonconforming, or unanalyzed conditions through a corrective action program, and
4. Verify the adequacy of licensee monitoring and maintenance procedures.

The nuclear power industry and the NRC agreed to cooperate in the development of guidelines and procedures to perform the seismic walkdowns. The resulting EPRI Report No. 1025286, *Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic* (EPRI 1025286) (Reference 2) provides guidance and procedures for performing the seismic walkdowns. The guidance addresses selection of personnel, selection of a sample of structures, systems, and components (SSCs) that represent a diversity of component types and ensures inclusion of components from critical systems and functions as described in the NRC's 50.54(f) letter, conduct of the walkdowns, evaluations against the plant seismic licensing basis, and reporting requirements. EPRI 1025286 also includes checklists to be used by the seismic walkdown engineers for seismic evaluations.

The guidance contained in EPRI 1025286 was developed to meet NRC's objectives, and in a letter dated May 31, 2012 (Reference 3), the NRC confirmed that the EPRI 1025286 guidance directs licensees to perform walkdowns in a manner that will address Requested Information Items 1.a through 1.g in the 50.54(f) letter. The NRC staff also confirmed that Section 8, "Submittal Report," of the EPRI 1025286 guidance outlines the appropriate information to be submitted in response to Requested Information Items 2.a through 2.f. of Enclosure 3 of the 50.54(f) letter.

Dominion used the EPRI 1025286 guidance in developing and performing the seismic walkdowns at Surry Power Station (SPS) in response to the NRC's 50.54(f) letter. In addition, Dominion followed the EPRI 1025286 Section 8 guidance for the development of this Report. The Report includes seismic walkdown information for both Surry Units 1 and 2, consistent with previous submittals in response to NRC Generic Letters 88-20, Supplement 4 and 5, *Individual Plant Examination of External Events (IPEEE) for Severe Accident Vulnerabilities* and 87-02, *Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue (USI) A-46*. Seismic walkdown equipment lists and walkdown results are provided on a unit-specific basis within the Report.

1.0 Seismic Licensing Basis Summary

The seismic licensing basis for SPS is documented in the Updated Final Safety Analysis Report (UFSAR) (Reference 4). Class I structures, systems and components are designed to resist seismic forces. This design is based on two separate seismic criteria: the operating basis earthquake (OBE) and the design basis earthquake (DBE). The design ground motion is based on the seismicity and geologic conditions at the site. Design ground response spectra used in the design of safety related SSCs are developed for the OBE and the DBE conditions. The earthquake producing the maximum vibratory ground acceleration at the site is designated the DBE. The DBE is often referred to as the Safe Shutdown Earthquake (SSE). The Design Basis Earthquake is the postulated earthquake that produces the maximum vibratory ground motion that the nuclear power generating station is designed to withstand without functional impairment of those features necessary to shut down the reactor, maintain the station in a safe condition, and prevent undue risk to the health and safety of the public.

For SPS, the earthquake producing a maximum horizontal ground acceleration of 0.15g has been designated as the DBE and a maximum horizontal ground acceleration of 0.07g has been designated the OBE.

For the OBE, Class I structures and equipment are designed to withstand a maximum horizontal ground acceleration of 7% of gravity. Vertical acceleration is taken as being two-thirds of horizontal, assumed acting simultaneously and in proper phase to be additive to loads or stresses from horizontal motions.

For the DBE, Class I structures and equipment are designed based on a maximum horizontal ground acceleration of 15% of gravity. The vertical motion is taken to be two-thirds of the horizontal motion, with the two acting simultaneously.

In 1991, the NRC issued Generic Letter (GL) 88-20, Supplement 4, which requested licensees to perform an Individual Plant Examination of External Events (IPEEE) for severe accident vulnerabilities in accordance with the guidelines provided in NUREG-1407. In 1997, Dominion submitted a summary report of the results of the IPEEE program (Reference 5). In addition, Dominion indicated that the IPEEE program would be integrated with the Unresolved Safety Issue (USI) A-46 program to reduce duplicative examination and review efforts. SPS adopted the methodology in the Generic Implementation Procedure (GIP) for Seismic Evaluation of Nuclear Plant Equipment as an alternative means for seismic design and verification of existing, modified, new and replacement equipment. UFSAR Section 15A.3.2 discusses the earthquake experience-based method developed for USI A-46 for seismic verification of equipment.

Codes, standards, and methods related to the design of structures and components for SPS can be found in UFSAR Sections 1.4.2, 15.2 and Appendix 15A.

2.0 Personnel Qualifications Summary

A summary of the requirements, as outlined in the EPRI 1025286 (Reference 2), for different seismic walkdown activities is provided as follows.

2.1 Equipment Selection

Personnel responsible for equipment selection should have knowledge of plant operations, plant documentation, and associated SSCs. They should have the capability to select a broad distribution of SSCs for the Seismic Walkdown Equipment List (SWEL). The Equipment Selection Personnel should also have knowledge of the IPEEE program.

Equipment Selection Personnel: Kurt Rowland, Matthew Winter, supported by licensed plant operations, and design and systems engineering personnel.

2.2 Seismic Walkdowns

The seismic walkdown engineers (SWEs) should have a degree in mechanical or civil/structural engineering, or equivalent; and experience in seismic engineering as it applies to nuclear power plants. In addition, the SWEs must successfully complete one of the following two training courses: NTTF 2.3 Seismic Walkdown Training Course or SQUG Walkdown Training Course.

SWEs: Ellery Baker, Larry Cullivan, Jr., William Gallagher, Sr., David Germano, Kevin McGuire, Daniel J. Vasquez, Tim Wattleworth, Matthew Winter

2.3 Licensing Basis Evaluations

All potentially adverse seismic conditions were documented and evaluated within the corrective action program (CAP); no licensing basis evaluations of potentially adverse seismic conditions were performed outside of the corrective action program defined by plant procedures

2.4 IPEEE Review

Reviewers should have adequate engineering experience to review and understand the results of the IPEEE program.

IPEEE Reviewer: Kurt Rowland, Daniel J. Vasquez

2.5 Peer Review

The peer review team should consist of a minimum of two individuals, one of whom has seismic engineering experience as it applies to nuclear power plants.

Peer Reviewers: Marc Hotchkiss (Team Lead), Leo Nadeau

Appendix A provides the qualifications of the personnel involved in performing the seismic walkdown activities at SPS.

3.0 SSC Selection

3.1 Purpose

This section describes the process used to develop the seismic walkdown equipment list (SWEL) and documents the resulting SWEL and Area Walk-by Lists, in response to NRC's 10 CFR 50.54(f) letter dated March 12, 2012 (Reference 1). The SWEL was developed using the guidance provided in the EPRI 1025286 (Reference 2) and defines the scope of the seismic walkdowns.

3.2 Methodology

EPRI 1025286, Section 3, *Selection of SSCs*, describes the process to be used to identify items to be included on a SWEL. In general, the SWEL is comprised of two groups of items. The first is a sample of components from the seismic safe shutdown equipment list (SSEL). The other is a sample of components associated with the spent fuel pool. These lists are designated as SWEL 1 and SWEL 2, respectively. SWEL 1 and SWEL 2 are combined to form the SWEL, which defines the overall scope of equipment used as input to the seismic walkdowns. A SWEL is generated for each unit. Additional information regarding the process used to develop the SWEL is provided below.

SWEL 1 Development

The base equipment list used as a starting point for development of the SWEL 1 list for each unit was a combination of the SSEL developed to address NRC Generic Letter 87-02, *Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue (USI) A-46* and the SSEL developed to address NRC Generic Letter 88-20, Supplements 4 and 5, *Individual Plant Examination of External Events (IPEEE) for Severe Accident Vulnerabilities*.

The development of the SSEL included consideration of the following four safety functions:

- Reactor reactivity control
- Reactor coolant pressure control
- Reactor coolant inventory control
- Decay heat removal

Consistent with the guidance in the EPRI 1025286, the SSEL was reviewed for items that support the following safety function:

- Containment function

SWEL 1 was developed by applying the following five sample selection attributes, defined in the EPRI 1025286, to the SSEL. The required sample size for SWEL 1 was 90 to 120 items. The method of application for each attribute is summarized below:

1. A variety of types of systems. Sample items were selected to represent a broad range of frontline and support systems included on the SSEL.

2. Major new and replacement equipment. A review of the equipment on the SSEL was performed by experienced system engineers, design engineers, and plant operators to identify major new or replacement equipment installed within the last 15 years, consistent with EPRI 1025286 guidance. These items were identified for inclusion in the selection of the samples for SWEL 1.
3. A variety of types of equipment. At least one item from each of the classes of equipment listed in EPRI 1025286, Appendix B, *Classes of Equipment* was included on SWEL 1 to provide a sample selection of a variety of equipment types. Where no items were listed on the SSEL for a specific class of equipment, no items in that equipment class were selected for SWEL 1.
4. A variety of environments. Sample items were selected from different locations in the plant to include various environments (hot, cold, dry, wet) and inside and outside installations.
5. Equipment enhanced due to vulnerabilities identified during the IPEEE program. The USI A-46 and IPEEE program documentation was reviewed to determine equipment that had been modified or otherwise enhanced to reduce IPEEE vulnerabilities. These items were identified for inclusion in the selection of the sample for SWEL 1.

For each item on SWEL 1, the applicable supported safety function(s) were determined as a confirmation that the five safety functions are adequately represented. In addition, risk significant items on the SWEL 1 list were identified from a review of the Probability Risk Assessment (PRA) Risk Analysis notebooks. This information was reviewed by PRA subject matter experts as confirmation that risk insights are adequately considered in the development of SWEL 1.

SWEL 2 Development

SWEL 2 was developed based on a review of systems associated with the spent fuel pool (SFP) that are Seismic Category I or components whose failure could result in a rapid drain-down of the water level in the SFP to less than ten feet above the fuel.

For Seismic Category I systems associated with the SFP, a sample of components was identified using selection criteria similar to that described for SWEL 1.

Any components whose failure could result in rapid drain-down of the SFP were identified and evaluated for addition to SWEL 2. Identified components that met the criteria for inclusion in the seismic walkdowns were added to SWEL 2. If no component failures were identified that could result in rapid drain-down of the SFP, no components were added to SWEL 2, and the basis for this conclusion was described.

SWEL

The SWEL for each unit was developed by combining the items on SWEL 1 and SWEL 2.

The items on the SWEL were reviewed to determine the population of items with anchorage, and at least 50% of those items were selected for a configuration verification of the installed anchorage during the associated seismic walkdown.

The SWEL serves as the input to the seismic walkdowns conducted in accordance with EPRI 1025286, *Section 4, Seismic Walkdowns and Area Walk-Bys*. A walk-by area is defined as the room containing SWEL item(s), or in the case of a large open space, the area within a 35 foot radius around a SWEL item. Walk-by areas are defined to ensure that all items on the SWEL are included within a walk-by area.

3.3 Results

The methodology described in Section 3.2 was applied to develop the SWEL and the Area Walk-by list. The results of the implementation of this methodology are provided below.

The SWEL was developed by personnel meeting the qualifications for equipment selection personnel described in Section 2.1. Qualifications of personnel involved in the development of the SWEL are identified in Appendix A.

SWEL 1

The base equipment list used as a starting point for development of the SWEL 1 list for each unit was the composite of the unit-specific SSELs developed to address NRC Generic Letter 87-02, *Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue (USI) A-46* and NRC Generic Letter 88-20, Supplements 4 and 5, *Individual Plant Examination of External Events (IPEEE) for Severe Accident Vulnerabilities*. The USI A-46 SSEL was documented in Virginia Electric and Power Company letter to NRC dated November 26, 1997 (Reference 6). The IPEEE SSEL was documented in Virginia Electric and Power Company letter to NRC dated November 26, 1997 (Reference 5). Thus, Base List 1, as defined by EPRI Report 1025286, is the composite USI A-46 and IPEEE SSELs.

The five sample selection attributes, described in Section 3.2, were applied to the SSEL. The results are summarized for each attribute below:

1. A variety of types of systems. Sample items were selected to represent a broad range of frontline and support systems included on the SSEL. The number of selected items associated with each of the represented systems is provided in Appendix B.
2. Major new and replacement equipment. A review of the equipment on the SSEL was performed by experienced system engineers, design engineers, and plant operators to identify major new or replacement equipment installed within the last 15 years. The review was based on plant design change records, maintenance history, and reviewer experience. A sample of these items is included in SWEL 1. Seven of the 100 components on Unit 1 SWEL 1 were judged to fit the definition of major new or replacement equipment. Six of the 100 components on Unit 2 SWEL 1 were judged to fit the definition of major new or replacement equipment.
3. A variety of types of equipment. At least one item from each of the classes of equipment listed in EPRI 1025286, Appendix B, *Classes of Equipment* was included in SWEL 1 to provide a sample selection of a variety of equipment types. The number of items from

each of the equipment classes is identified in Appendix B. There were no items listed on the Unit 1 SSEL for equipment class 13 and no items listed on the Unit 2 SSEL equipment classes 9 and 13, and no items are listed on SWEL 1 for those equipment classes.

4. A variety of environments. Sample items were selected from different locations in the plant to include various environments (hot, cold, dry, wet). The installed location is identified for each of the SWEL 1 items, which provides an indication of the operating environment for the item. The number of selected items associated with each of the represented systems is provided in Appendix B.
5. Equipment enhanced due to vulnerabilities identified during the IPEEE program. The IPEEE program documentation was reviewed to determine equipment that had been modified or otherwise enhanced to reduce IPEEE vulnerabilities. A sample of these items are included on the Unit 1 SWEL 1 list, and on the Unit 2 SWEL 1 list.

The resulting sample size of the equipment for the SWEL 1 list was 100 items per unit. The unit-specific SWEL 1 lists are provided in Appendix B.

For each item on the SWEL 1 lists, the applicable supported safety function(s), listed below, were identified and indicated:

- Reactor reactivity control
- Reactor coolant pressure control
- Reactor coolant inventory control
- Decay heat removal
- Containment function

In addition, risk significant items on SWEL 1 were identified. This information was reviewed by PRA subject matter experts as confirmation that risk insights were adequately considered in the development of SWEL 1. As a result, 50 of the 100 items on Unit 1 SWEL 1 and 45 of the 100 items on Unit 2 SWEL 1 were identified as being risk significant.

SWEL 2

SWEL 2 was developed based on a review of systems associated with the spent fuel pool (SFP) that are Seismic Category I or components whose failure could result in a rapid drain-down of the water in the SFP to less than ten feet above the top of the fuel. The review was supported by a licensed operator and knowledgeable system engineers.

The following Seismic Category I system associated with the SFP was identified:

- Spent Fuel Pool Cooling and Purification System

This system was then reviewed using the walkdown item sample selection criteria similar to that used for SWEL 1, consistent with the guidance in the EPRI 1025286. Base List 2 and the items identified for inclusion in Unit 1 SWEL 2 are identified in Appendix B.

Rapid Drain-down

Systems interfacing with the SFP were reviewed to identify any components that could, upon failure, result in rapid drain-down of the SFP water level to below ten feet above the top of the fuel. As stated in UFSAR Sections 9.5.2 and 9.5.3.3, the lowest level of pipe penetration through the fuel pool structure is 20 feet above the top of stored fuel elements.

Therefore, there are no components that could, upon failure, result in rapid drain-down of the SFP water level to below ten feet above the top of the fuel and, as a result, no components have been added to SWEL 2 for this criterion.

SWEL

The SWEL for each unit was developed by combining the items on SWEL 1 and SWEL 2, as applicable. The SWELs for Units 1 and 2 are provided in Appendix B. All items on the list are from SWEL 1 except those items indicated by footnote as originating from SWEL 2.

The items on the SWEL were reviewed to identify those that included anchorage (i.e., items that were not line-mounted equipment, such as valves). For Unit 1, 48 of the 70 items that included anchorage (68%) were selected for confirmation that the as-installed equipment anchorage is consistent with plant documentation of the anchorage design. For Unit 2, 40 of the 60 items that included anchorage (67%) were selected for confirmation that the as-installed equipment anchorage is consistent with plant documentation of the anchorage design. The anchorage items selected for confirmation are indicated by a footnote on each of the SWELs.

These lists are the input to the seismic walkdowns to be conducted in accordance with EPRI 1025286, Section 4, *Seismic Walkdowns and Area Walk-Bys*.

Walk-by areas were identified to include all of the items on the SWEL and are listed in Appendix B.

3.4 Inaccessible Items

In the process of selecting SSCs to be included on the SWEL, items that were accessible and have visible anchorage were selected wherever possible. However, there were 28 items included on the Unit 1 SWEL and 27 items on the Unit 2 SWEL that were not sufficiently accessible to complete the walkdown inspection. These items are listed in Tables 3-1 and 3-2 below and are indicated by a footnote on the Unit 1 and Unit 2 SWELs (Appendix B). The walkdowns for these items are planned to be completed by the end of the next scheduled refueling outage (Fall 2013 for Unit 1 and Spring 2014 for Unit 2).

Table 3-1: Unit 1 Deferred Walkdown Items

ID Number	Description	Location	Inspection Completion Schedule
1-IA-PCV-101	PORV Backup Air	Containment	Fall 2013 RFO
1-RC-PCV-1455C	Pressurizer PORV	Containment	Fall 2013 RFO
1-DA-TV-100A	Containment Sump Dsch Trip Valve	Containment	Fall 2013 RFO
1-FW-MOV-151B	AFW Header	Containment	Fall 2013 RFO
1-FW-MOV-151E	AFW Header	Containment	Fall 2013 RFO
1-SI-MOV-1865A	Accumulator Outlet	Containment	Fall 2013 RFO
1-VS-AC-1	MCR AC Unit	Service Building	Fall 2013 RFO
1-VS-AC-7	Relay Room AC Unit	Service Building	Fall 2013 RFO
1-EP-DB-1-IA	EE/120V VITAL AC 1-IA BUS (RED)	ESGR	Fall 2013 RFO
1-EP-DB-1SVB1	EE/120V SEMI-VITAL AC BUS	Control Room	Fall 2013 RFO
1-FW-FT-100A	AFW Flow Transmitter	Containment	Fall 2013 RFO
1-IA-PS-103B	PORV Backup Air Pressure Switch	Containment	Fall 2013 RFO
1-IA-PS-104B	PORV Backup Air Bottle Pressure Switch	Containment	Fall 2013 RFO
1-SI-TK-1C	SI Accumulator	Containment	Fall 2013 RFO
1-CW-PNL-1B*	Canal Level Relay Panel	ESGR	Fall 2013 RFO
1-EP-MCC-1H1-2N*	Emergency MCC	Cable Vault	Fall 2013 RFO
1-EP-MCC-1K1*	MCC for Chiller 4A	ESGR	Fall 2013 RFO
1-EP-MCC-1H-1B*	MCC for Chiller 4E	MER 5	Fall 2013 RFO

Table 3-1: Unit 1 Deferred Walkdown Items

ID Number	Description	Location	Inspection Completion Schedule
1-EP-TRAN-1J*	4160-480V Service Transformer	ESGR	Fall 2013 RFO
1-EP-XFRM-1SVB1-2*	480-120V Semi-Vital Transformer	Control Room	Fall 2013 RFO
1-HT-T-2B3*	Heat Tracing Transformer	Auxiliary	Fall 2013 RFO
1-EPD-DCS-1A-SUB*	EE/125V VITAL DC SUB PNL 1A	ESGR	Fall 2013 RFO
1-MS-BC-1*	MSTV App R SOV Battery Charger	Control Room	Fall 2013 RFO
1-MS-BC-2*	MSTV App R SOV Battery Charger	ESGR	Fall 2013 RFO
1-EE-BC-EG1*	EDG 1 Battery Charger	EDG 1 Room	Fall 2013 RFO
1-SW-CAB-3C*	Emergency SW Pump Relay Cabinet	ESPH	Fall 2013 RFO
1-CW-PNL-1A*	Canal Level Relay Panel	Cable Vault	Fall 2013 RFO
1-EP-CS-100*	CONTROL ROOM CHILLER TRAN SWITCH	Service Building	Fall 2013 RFO

* Walkdown inspection complete with the exception of access to electrical cabinet internally mounted items.

Table 3-2: Unit 2 Deferred Walkdown Items

ID Number	Description	Location	Inspection Completion Schedule
2-BD-TV-200A	S/G A Blowdown Containment Isolation	Containment	Spring 2014 RFO
2-IA-PCV-201	PORV Backup Air	Containment	Spring 2014 RFO
2-RC-PCV-2455C	Pressurize PORV	Containment	Spring 2014 RFO
2-DA-TV-200A	Containment Sump Dsch Trip Valve	Containment	Spring 2014 RFO
2-VS-AC-6	ESGR Air Handler	ESGR	Spring 2014 RFO
2-VS-AC-7	ESGR Air Handler	ESGR	Spring 2014 RFO
2-FW-MOV-251B	AFW Header	Containment	Spring 2014 RFO
2-FW-MOV-251E	AFW Header	Containment	Spring 2014 RFO
2-SI-MOV-2865A	Accumulator Outlet	Containment	Spring 2014 RFO
2-EP-DB-2-IA	EE/120V VITAL AC 2-IA BUS (RED)	ESGR	Spring 2014 RFO
2-EP-DB-2SVB1	EE/120V SEMI-VITAL AC BUS	Control Room	Spring 2014 RFO
2-FW-FT-200A	AFW Flow Transmitter	Containment	Spring 2014 RFO
2-IA-PS-203B	PORV Backup Air Pressure Switch	Containment	Spring 2014 RFO
2-IA-PS-204B	PORV Backup Air Bottle Pressure Switch	Containment	Spring 2014 RFO
2-SI-TK-1C	SI Accumulator	Containment	Spring 2014 RFO
2-EP-MCC-2H1-1A*	2H Emergency MCC	EDG 2 Room	Spring 2014 RFO
2-EP-CS-200*	CONTROL ROOM CHILLER 4B TRANSFER SWITCH	ESGR	Spring 2014 RFO

Table 3-2: Unit 2 Deferred Walkdown Items

ID Number	Description	Location	Inspection Completion Schedule
2-EP-MCC-2H1-2N*	Emergency MCC	Cable Vault	Spring 2014 RFO
2-EP-MCC-2K1*	MCC for Chiller 4B	ESGR	Spring 2014 RFO
2-EP-TRAN-2J*	4160-480V Service Transformer	ESGR	Spring 2014 RFO
2-EP-XFRM-2SVB1-2*	480-120V Semi-Vital Bus	Control Room	Spring 2014 RFO
2-EP-UPS-2A-1*	EE/UPS 2A1	ESGR	Spring 2014 RFO
2-EPD-DCS-2A-SUB*	EE/125V VITAL DC SUB PNL 2A	ESGR	Spring 2014 RFO
2-EP-UPS-2B-2*	EE/UPS 2B2	ESGR	Spring 2014 RFO
2-MS-BC-2*	MSTV App R SOV Battery Charger	ESGR	Spring 2014 RFO
2-EE-BC-EG2*	EDG 2 Battery Charger	EDG 2 Room	Spring 2014 RFO
2-CW-PNL-1A*	Canal Level Relay Panel	ESGR	Spring 2014 RFO

* Walkdown inspection complete with the exception of access to electrical cabinet internally mounted items.

4.0 Seismic Walkdowns and Area Walk-Bys

The seismic walkdowns and area walk-bys were performed consistent with the guidance provided in EPRI 1025286 (Reference 2).

A site-specific procedure was developed to implement the EPRI 1025286 seismic walkdown guidance for conducting and documenting the seismic walkdowns. A walkdown package was prepared for each component listed on the SWEL and for each area walk-by to be performed. Each package included a seismic walkdown checklist (SWC) or an area walk-by checklist (AWC) and the drawing(s) showing equipment location, plant documentation showing the anchorage details for each SWEL item requiring anchorage configuration verification, and documents from prior seismic walkdowns (e.g., Seismic Evaluation Work Sheets (SEWS) from USI A-46 walkdowns), as applicable. A hardcopy of the package was available for the SWEs during performance of the equipment walkdown or area walk-by.

The seismic walkdowns and area walk-bys were performed by walkdown teams, which consisted of at least two (2) qualified SWEs.

For the seismic walkdowns, the SWEs focused on the following adverse seismic conditions associated with each item of equipment as described in the EPRI 1025286 guidance:

- adverse anchorage conditions,
- adverse seismic spatial interactions, and
- other adverse seismic conditions.

The purpose of the area walk-bys was to identify potentially adverse seismic conditions associated with other SSCs located in the vicinity of the SWEL items. For the area walk-bys, SWEs focused on the following potentially adverse seismic conditions as described in the EPRI 1025286 guidance:

- anchorage conditions (if visible without opening equipment),
- significantly degraded equipment in the area,
- condition of cable/conduit raceways, including condition of supports or fill conditions, and HVAC ducting,
- potential adverse seismic interactions including those that could cause flooding, spray, or a fire in the area, and
- housekeeping items that could cause adverse seismic interactions.

During the walkdown or walk-by, the walkdown teams discussed conditions and/or any findings in the field, reached agreement on the results of the walkdown, and documented results of the seismic walkdowns and area walk-bys on the checklists. The results of the completed seismic walkdowns are documented on SWCs, which are included as Appendices C and D. The results of the completed area walk-bys are documented on AWCs, which are included as Appendices E and F.

The Unit 1 SWEL includes 104 items to be walked down, and 39 area walk-bys were defined. The Unit 2 SWEL includes 100 items to be walked down, and 30 area walk-bys were defined. Of the items and areas for Unit 1, 76 walkdowns and 33 area walk-bys have been completed. Of the items and areas for Unit 2, 73 walkdowns and 23 area walk-bys have been completed. The remaining items, 28 walkdowns and 6 area walk-bys for Unit 1 and 27 walkdowns and 7 area walk-bys for Unit 2, have been deferred because the component or area was not sufficiently accessible to complete the walkdown inspection and walkdown checklists are not included in

this report for those items. The schedule for performance of these deferred seismic walkdowns for Unit 1 and Unit 2 is described in Section 3.4.

Tables 4-1 and 4-2 list potentially adverse seismic conditions identified during the completed seismic walkdowns and area walk-bys for Units 1 and 2, respectively. The items listed in Tables 4-1 and 4-2 were submitted as Condition Reports (CRs) in the station corrective action program (CAP). Tables 4-1 and 4-2 summarize the potentially adverse seismic conditions, describe how the condition has been addressed, and provide the current status of the resolution. A low threshold was used to identify and document potential adverse conditions. In addition to items listed in Tables 4-1 and 4-2, non-seismic related potentially adverse conditions such as various housekeeping and material condition items, were identified by the walkdown teams and addressed through the CAP.

No significant issues that challenged the Surry seismic licensing or design basis were identified as a result of the walkdowns completed to date. As indicated in Tables 4-1 and 4-2, no planned or newly installed changes to the plant are required to resolve the items identified during the walkdowns.

Table 4-1: Unit 1 Potentially Adverse Seismic Conditions

SWC / AWC #	Equipment ID	CAP	Description	Resolution	Status
SP1-WB-009	N/A	CR485502	A large CO ₂ fire extinguisher cart located near safety-related equipment not secured in accordance with the Seismic Housekeeping procedure.	Fire extinguisher cart secured in accordance with Seismic Housekeeping procedure.	CLOSED
SP1-WB-040	1-VS-FE-101	CR485515	More than minor corrosion identified on the bolting of 1-VS-AC-1 outlet flow element 1-VS-FE-101.	The corrosion is not an immediate seismic concern as there is no evidence of significant material loss.	Work Order initiated to replace the corroded bolting.
SP1-WB-031	1-SW-MOV-101A	CR485518	Two sections of grating over 1-SW-MOV-101A were found with clips unattached.	Both of the gratings have at least two other clips engaged providing adequate support for the gratings.	Work Order initiated to restore grating clips.
SP1-WB-045	1-CC-E-1C	CR485527	Conduit clamps unattached on a vertical run of conduit above 1-CC-E-1C.	There are conduit clamps upstream and downstream of this location providing adequate support for the conduit.	Work Order initiated to install conduit clamps.
SP1-WB-009	1-VS-1040	CR485530	More than minor corrosion was identified for a small-bore chilled water pipe support.	The corrosion is not an immediate seismic concern since the bolts do not show signs of excessive loss of material and the seismic loads for the restrained small bore piping are minimal.	Work Order initiated to replace the corroded bolting.
SP1-WB-045	1-CC-E-1B	CR485533	1" Copper pipe support missing U-bolt above 1-CC-E-1B.	The support is providing adequate vertical support at this location.	Work Order initiated to install u-bolt.
SP1-WB-045	1-CC-E-1A	CR485535	1" Copper pipe rod hanger unattached above 1-CC-E-1A.	The supports upstream and downstream of this location are actively supporting the pipe and provide adequate vertical support.	Work Order initiated to re-attach rod hanger.
SP1-WB-030	1-CW-SHD-106B1	CR485552	Spray Shield 1-CW-SHD-106B1, North Panel, has a loose bolt along the base flange (spray shield at the 1B Water Box Inlet).	This does not challenge the seismic structure, but should be repaired for conformance with standard configuration.	Work Order initiated to restore bolt configuration.
SP1-WD-SWEL-098	1-EE-TK-3	CR485564	The hold down strap for Emergency Light Battery 1-ELT-LF-126 above 1-EE-TK-3 is misaligned. In the as-identified configuration the hold down strap is not configured to support the light during a seismic event.	There are no seismically sensitive targets near this emergency light were it to fail during a seismic event.	Work Order initiated to restore hold down strap configuration.
SP1-WD-SWEL-014	1-EP-LCC-1H	CR485670	The door opening of the bottom level, center cube is covered with a blank panel attached to the door with bolts and washers. The fasteners were missing at 2 of 4 connections for blank cover over 1-EP-LCC-1H cubicle. The Blank is well secured, and is not a seismic challenge, however, the fasteners should be replaced to restore configuration.	The cover is well secured, and is not a seismic challenge, however, the fasteners will be replaced to restore configuration.	Work Order initiated to restore fastener configuration.

Table 4-1: Unit 1 Potentially Adverse Seismic Conditions

SWC / AWC #	Equipment ID	CAP	Description	Resolution	Status
SP1-WB-018	HT-TB 2BID	CR485682	No grout under heat trace boxes HT-TB 2BID and 2AID support baseplates.	This is not a seismic concern, but the base plates should be shimmed or grouted to provide a bearing surface.	Work Order initiated to install grout.
SP1-WD-SWEL-049	1-CW-37	CR485699	Tubing run is poorly supported on both the east and west side of the condenser waterbox.	This is not a seismic challenge, but will be repaired for conformance with standard support conditions.	Work Order initiated to restore supports.
SP1-WD-SWEL-049	1-CW-RTD-100A	CR485704	Conduit Support was found unattached for 1-CW-RTD-100A.	This does not challenge the seismic structure of the valve, but will be repaired for conformance with standard support conditions.	Work Order initiated to restore supports.
SP1-WD-SWEL-010*	1-EP-MCC-1H1-2N	CR485713	Four out of forty-four anchor bolts were identified to be missing on 1-EP-MCC-1H1-2N.	Existing MCC anchorage calculations provide an evaluation which envelops the missing bolts identified for 1-EP-MCC-1H1-2N. Therefore, there are no seismic functionality concerns for 1-EP-MCC-1H1-2N in the as-found condition with four anchor bolts missing.	Corrective action initiated to document the as-found condition of 1-EP-MCC-1H1-2N anchorage in MCC anchorage calculation.
SP1-WB-030	1-CW-MOV-100A	CR485753	2" power supply conduit for 1-CW-MOV-100A not properly secured to the unistrut.	The conduit is adequately supported; however, the loose/missing supports should be restored to conform with standard maximum unsupported length requirements.	Work Order initiated to restore supports.
SP1-WB-020	N/A	CR485970	Abandoned small-bore copper tubing routed through overhead above safety-related components. The installation does not meet Seismic II/I supporting standards.	The abandoned tubing is routed such that existing station components will maintain the location of the tubing. It is lightweight and does not contain fluids that could be discharged and affect the operation of station safety related equipment. There is no adverse seismic interaction concern.	Work Order initiated to remove abandoned tubing.
SP1-WD-SWEL-020	1-CH-P-1A	CR485989	1-CH-P-1A lube oil bearing temperature element conduit supports loose or missing.	The connection and rigidity of the conduit were inspected and found not to pose an immediate threat to the functionality of the equipment.	Work Order initiated to restore support configuration.
SP1-WB-009	1-VS-1035	CR485500 CR485530 CR486137 CR486138	More than minor corrosion identified on flange bolts and chilled water pipe restraint bolts.	There are no immediate functionality concerns for this line since the bolts did not show signs of excessive loss of material and also the seismic loads for the restrained small bore piping are minimal.	Work Order initiated to replace the corroded bolts.

Table 4-1: Unit 1 Potentially Adverse Seismic Conditions

SWC / AWC #	Equipment ID	CAP	Description	Resolution	Status
SP1-WB-004	1-SW-MOV-102B	CR486148	Loose conduit clamp and unistrut anchor bolts missing for 1-SW-MOV-102B.	The conduit supports upstream and downstream were found properly installed and this condition is not a seismic challenge to the conduit.	Work Order initiated to restore support configuration.
SP1-WB-040	1-VS-FE-101	CR486151	Pipe support upstream of 1-VS-FE-101 had bolts identified with more than minor corrosion.	The corrosion is not an immediate seismic concern as there is no evidence of significant material loss.	Work Order initiated to replace corroded bolts.
SP1-WB-040	1-VS-AC-1	CR486154	Valve 1-VS-217 more than minor surface corrosion. This is a small manual valve without a large extended structure.	The identified corrosion does not represent an immediate seismic concern since seismic induced loading on the valve body is not significant.	Work Order initiated to investigate the extent and repair the corrosion on 1-VS-217.
SP1-WB-004	Support H-5	CR486171	More than minor surface corrosion on a small area of pipe support baseplate and anchor bolts.	Based on a review of the support calculation, the predominant support loading is in the downward direction (anchor bolt compression). Moderate corrosion will not affect the ability of the support to perform its design function.	Work Order initiated to clean and recoat support.
SP1-WB-020	3"-CC-73-151	CR486176	3" CC line spring hanger has signs of significant surface corrosion.	The identified corrosion does not represent an immediate seismic concern since the hanger is loaded in the allowable range and continues to support the piping.	Work Order initiated to clean and recoat support.
SP1-WD-SWEL-076	1-SW-P-1C	CR486253	1-SW-P-1C-ENGINE anchor bolt nut found not tight to the washers (1/16" gap, washer rotates, but the nut was unable to be turned by hand).	Review of the Emergency SW Pump Diesel Engine anchorage calculation determined that this condition is evaluated and found acceptable for the 1-SW-P-1B-ENGINE. Therefore, 1-SW-P-1C-ENGINE is anchorage condition is acceptable.	Work Order initiated to restore anchorage configuration.
SP1-WB-021	1-SW-P-1C	CR486256	Service Water Diesel Pump Fuel Oil Line pipe support found with 1 of 4 anchor bolts broken.	The pipe support anchorage calculation bounds the anchor bolt loading conditions with a broken anchor. Therefore, the support is adequate for seismic loading.	Work Order initiated to restore anchorage configuration.
SP1-WB-021	1-SW-P-1C	CR486287	Emergency lights hanging by the wires in the ESWP House.	The lamps are lightweight and not expected to affect an SSC even if they were to fall	Work Order initiated to re-support light.
SP1-WD-SWEL-076	1-SW-P-1C	CR486318	1-SW-P-1C-ENGINE concrete foundation spalling.	The spall is superficial in nature and limited to an area away from the concrete that provides the support load path for the ESW Pump diesel and is not in the critical area for the support anchor bolts. The foundation is structurally sound with no operability concerns.	Work Order initiated to restore the concrete.

Table 4-1: Unit 1 Potentially Adverse Seismic Conditions

SWC / AWC #	Equipment ID	CAP	Description	Resolution	Status
SP1-WD-SWEL-089*	1-SW-CAB-3C	CR486337	More than mild surface corrosion was noted on the base angle support and both anchor bolts for 1-SW-CAB-3C.	The identified corrosion does not represent an immediate seismic concern since seismic induced loading on this support is not significant.	Work Order initiated to clean and coat the lower base angle and both anchor bolts.
SP1-WB-039	N/A	CR486390	Seismic housekeeping issue -Unlatched rear door on panel.	Due to the lightweight nature of the cabinet door, there are no immediate seismic concerns.	Work Order initiated to repair broken latch on cabinet door.
SP1-WB-003	1-VS-P-1B	CR486465	1-VS-P-1B pump support minor loose surface rust.	The minor loose surface rust is not considered to be a seismic challenge.	Work Order initiated to clean and recoat the support.
SP2-WB-038	1-FC-P-1B	CR486477	A 3" conduit not attached to the trapeze unistrut support over 1-FC-P-1B.	The conduit is boxed in at the trapeze unistrut support, supported upstream of this location at a JB attached to the south wall, and downstream of this location at the cable tray. Therefore, the conduit is protected from falling on any equipment below.	Work Order initiated to restore support configuration.
SP2-WB-038	N/A	CR486496	A ventilation cart north of 1-FC-E-1A/1B, in the Fuel Building (el. 6') not properly stored in accordance with Seismic Housekeeping procedure.	Cart moved and stored in accordance with Seismic Housekeeping procedure.	CLOSED
SP1-WD-SWEL-003	1-VS-S-1B	CR486517	Cracking concrete on the pedestal for 1-VS-S-1B. The cracking is present on the NW and SW corners of the pedestal and a spall (6"x3"x1" deep) is located on the SE corner.	The strainer is anchored using 5/8" diameter bolts that are doweled into the MER 3 floor slab. The identified spalling and cracking does not affect the anchorage of the strainer. Due to the adequate anchorage configuration, the anchorage for the strainer is considered functional and there are no immediate seismic concerns.	Work Order initiated to repair concrete pedestal.
SP2-WB-038	1-FC-4	CR486523	Gaps measuring approximately 1/4" to 3/8" (max.) identified between wall and baseplates for the pipe support upstream of Valve 1-FC-4.	Based on review of support calculation, the loads applied to the wall baseplates of this support are small and therefore there is sufficient margin to accommodate the increase in loading due to the gaps underneath the plate.	Work Order initiated to install shim plates underneath the plate at the location of the anchor bolts.
SP2-WB-038	1-FC-E-1B	CR486527	Gaps measuring approximately 1/4" to 3/8" (max.) were identified underneath the lower wall-mounted baseplates for pipe support on the CC outlet line from 1-FC-E-1B.	Based on review of support calculation, there is sufficient margin to accommodate the increase in loading due to the gaps underneath the plate.	Work Order initiated to install shim plates underneath the plate at the location of the anchor bolts.

Table 4-1: Unit 1 Potentially Adverse Seismic Conditions

SWC / AWC #	Equipment ID	CAP	Description	Resolution	Status
SP2-WB-038	1-FC-14	CR486528	Gaps measuring approximately 1/4" to 3/8" (max.) identified underneath the ceiling-mounted baseplates for the pipe support upstream of Valve 1-FC-14.	Based on review of support calculation, there is sufficient margin to accommodate the increase in loading due to the gaps underneath the plate.	Work Order initiated to install shim plates underneath the baseplate at the location of the anchor bolts.

* The seismic walkdown for this item is not complete (see Table 3-1) and the final seismic walkdown checklist is not included in the report.

Table 4-2: Unit 2 Potentially Adverse Seismic Conditions

SWC / AWC #	Equipment ID	CAP	Description	Resolution	Status
SP2-WB-015	2-RS-P-2B	CR485627	2-RS-P-2B is supported laterally by a Containment wall mounted support that accomplishes load transfer using friction pads on the vibration control ring, and has limited seismic shake space between Safeguards Building and Reactor Containment Building supported items. The concrete wall at this location should, however, be excavated to create a 3/8" minimum gap between 02-RS-TK-2B at this location. This will ensure unrestrained movement of the Containment wall during the design basis accident pressure/ thermal displacements.	The potential concrete wall contact point is on a small flange point on 2-RS-TK-2B tangent to the Containment wall and will not generate significant loads to the tank or pump. As a result, this condition is not considered sufficient to adversely affect the component function.	Work Order initiated to restore standard seismic gap space.
SP2-WD-SWEL-012	2-EP-LCC-2H	CR485665	The fasteners were loose or missing at 1 of 4 connections for two blank covers over 2-EP-LCC-2H 480V Emergency Bus cubicles.	The covers are well secured, and are not a seismic challenge, however, the fasteners will be replaced to restore configuration.	Work Order initiated to restore fastener configuration.
SP2-WB-006	N/A	CR485708	Anchor bolt was identified as missing from a cable tray support in the Unit 2 Cable Vault.	The missing anchor bolt does not significantly increase the seismic load on the tray support and there are no immediate functionality concerns for this item.	Work Order initiated to install anchor bolt.
SP2-WD-SWEL-010*	2-EP-MCC-2K1	CR485722	Missing conduit strap securing conduit to trapeze support.	There are no immediate functionality concerns because the conduit is supported by, but not secured to, the trapeze support.	Work Order initiated to replace the missing conduit clamp.
SP2-WD-SWEL-068	2-EP-LP-2S12	CR485926	2-EP-LP-2S12 MCR Lighting Cabinet anchored using 4 toggle bolt anchors 3/8" diameter rather than 1/4 inch wedge type anchor assumed for the support calculation.	The toggle anchors have higher allowable load properties than those used in the calculation. Therefore, the calculation bounds the actual bolts and the panel is acceptable as found.	Corrective action initiated to document the as-found anchorage configuration in the calculation.
SP2-WD-SWEL-019	2-FW-P-3A	CR485972	Non-safety related 2-FW-P-3A heat trace conduit support broken anchor bolt.	The conduit is trapped in the overhead and the loss of one anchor at the conduit junction box support stand does not affect seismic II/I function.	Work Order initiated to replace anchor bolt.
SP2-WD-SWEL-056	2-CH-MOV-2289B	CR485980	Junction Box support for 2-CH-MOV-2289B power supply is loose at the floor base plate anchor connection. The anchors remain engaged, although the baseplate to anchor connection is loose due to gaps.	Considering the minimal amount of movement of the support, the amount of flexibility in the electrical connections to the box, and that the anchors remain engaged - there is no seismic concern with the support condition.	Work Order initiated to restore support to rigid installation.

Table 4-2: Unit 2 Potentially Adverse Seismic Conditions

SWC / AWC #	Equipment ID	CAP	Description	Resolution	Status
SP2-WD-SWEL-071	2-EE-B-EG2	CR485998	2-EE-B-EG2 battery rack unistrut channel nut misaligned and not properly engaged.	The rack at the location of the misaligned channel nut is loaded vertically down only. The batteries, which are tightly restrained by side rails, will not overcome their weight in a seismic condition and lift off the rack. Therefore, the identified condition will not compromise the ability of the rack to seismically support the batteries.	Work Order initiated to correct the misaligned channel nut.
SP2-WD-SWEL-071	2-EE-B-EG2	CR486007	Dried battery acid deposits were identified on 2-EE-B-EG2 rack baseplate. There was some mild corrosion on the baseplate (pitting) and the anchors.	There are no seismic concerns due to the identified mild corrosion.	Work Order initiated to remove dried battery acid from baseplate and bolts.
SP2-WD-SWEL-071	2-EE-B-EG2	CR486026	Field installation of battery rack anchors not properly reflected in battery rack anchorage analysis. The existing anchorage configuration is consistent with installation documentation.	There are no immediate functionality concerns for this item as it is a paperwork issue. The battery rack remains capable of performing its design function.	Corrective action initiated to update the battery rack anchorage analysis calculation to reflect as-built conditions.
SP2-WD-SWEL-043	2-CH-P-1A	CR486152	2-CH-P-1A bearing lube oil temperature indicator conduit loose clamps and conduit in contact with nearby flexible conduit in the overhead.	There is no threat to functionality of any equipment due to this issue.	Work Order initiated to restore support configuration.

* The seismic walkdown for this item is not complete (see Table 3-2) and the final seismic walkdown checklist is not included in the report.

5.0 Licensing Basis Evaluation

The station CAP was used to document the evaluation of potentially adverse seismic conditions identified in Section 4.0.

5.1 Summary of Evaluations

There were no conditions identified during the seismic walkdowns completed to date that challenge the validity of the current plant seismic licensing or design basis.

5.2 Plant Modifications

There are no planned or newly installed changes to the plant as a result of implementation of the seismic walkdowns and area walk-bys completed to date.

As identified in Table 4-1, actions planned as a result of seismic walkdown findings include documentation updates, maintenance items, and engineering evaluations to document as-found conditions.

6.0 IPEEE Vulnerabilities

On June 28, 1991, the NRC issued Generic Letter (GL) 88-20, Supplement 4 (with NUREG-1407, *Procedural and Submittal Guidance*) requesting each licensee to perform an individual plant examination of external events (IPEEE) to identify plant-specific severe accident vulnerabilities and to report the results to the Commission together with any licensee-determined improvements and corrective actions.

The results of the IPEEE Program for SPS were submitted in its Surry Nuclear Power Station Units 1 and 2 Summary Report for IPEEE - Seismic dated November 26, 1997 (Reference 5) and indicated that there were no severe accident vulnerabilities associated with seismic events, and, therefore, no major plant modifications were necessary as a result of the IPEEE Program. Table 4-1 of the Surry IPEEE Summary Report provides the resolution of issues and outliers resulting in modifications. Table 6.1-1 of the Surry IPEEE Summary Report provides the outstanding mechanical and electrical issues that were identified during walkdown evaluations for the seismic IPEEE review. On April 27, 2000, the Completion of Outstanding Issues Related to IPEEE – Seismic Report (Reference 7) for SPS was submitted, which stated that resolution of the unresolved issues in Table 6.1-1 of the Summary Report specified above was complete.

The SPS configuration management program has maintained the equipment modifications and programmatic changes implemented to eliminate or reduce the seismic vulnerabilities identified during the IPEEE program.

7.0 Peer Review Summary

The Peer Review Team function and required activities are delineated in the EPRI 1025286, Section 6, *Peer Review*. The Peer Review Team provided an overview of the following seismic walkdown activities, as defined in EPRI 1025286:

1. Selection of the SSCs included on the SWEL
2. Checklists prepared for the seismic walkdowns and area walk-bys
3. Licensing basis evaluations
4. Decisions for entering the potentially adverse seismic conditions into the CAP process
5. Submittal report

Peer review activities were performed during the preparation and performance of the seismic walkdowns. The Peer Review Team members were:

- Marc Hotchkiss, Dominion, Peer Review Team Lead
- Leo Nadeau, Bechtel

A summary of the results of the Peer Review is provided below:

1. Selection of SSCs

The Peer Review Team performed a comprehensive review of the Seismic Walkdown Equipment List (SWEL). The SWEL was compared to the requirements of EPRI 1025286, Section 3, *Selection of SSC*, utilizing Appendix F, *Peer Review Checklist* and was found to appropriately apply the EPRI 1025286 guidance including:

- Selection of Unit 1 and 2 SWEL 1 SSCs
- Use of sample selection attributes
- Adequate representation of the five safety functions
- Consideration of risk insights
- Selection of spent fuel pool related items

All comments were minor and were adequately resolved.

2. Sample of Seismic Walkdown Checklist (SWC) and Area Walkdown Checklist (AWC)

The Peer Review Team reviewed a sample of walkdown results and concluded that the Seismic Walkdown Checklists (SWC) and Area Walk-By Checklists (AWC) were completed in accordance with the EPRI 1025286 guidance.

- a. Packages – The Peer Review Team reviewed the seismic walkdown packages for 22 SWCs prepared before walkdowns were performed. These walkdown packages were reviewed to ensure the seismic walkdown checklist and related documentation (e.g., Screening Evaluation Work Sheet – SEWS, anchorage details) were included. The packages were determined to be adequate to support the walkdowns.
- b. Unit 1 SWC/AWC – There are 104 SWCs and 39 AWCs for a total of 143 checklists. Of the 143, forty-one (41) SWCs and fourteen (14) AWCs were peer reviewed representing

38% of the total. Overall, the SWC and AWC were determined to be appropriately detailed and complete.

- c. Unit 2 SWC/AWC – There are 100 SWCs and 30 AWCs for a total of 130 checklists. Of the 130, twenty-five (25) SWCs and nine (9) AWCs were peer reviewed representing 26% of the total. Overall, the SWC and AWC were determined to be appropriately detailed and complete.
- d. SWEs were interviewed by the Peer Review Team to verify that they understood and followed the guidance in the EPRI 1025286, Section 4, *Seismic Walkdowns and Area Walk-Bys*. Results of the interviews indicated that each team understood and followed the EPRI 1025286 guidance.

All comments were minor and were adequately resolved.

3. Review of Licensing Basis Evaluations

All potentially adverse seismic conditions identified during the walkdowns were entered into the CAP consistent with plant procedure. There were no Licensing Basis Evaluations, as defined in the EPRI 1025286, performed that were in addition to the corrective action process reviews.

4. Review of Conditions Entered into CAP

The threshold level at which field-identified conditions were entered in CAP was considered to be appropriate to ensure that potential licensing basis issues were documented and reviewed by Engineering and the Operations Shift Manager for operability concerns. Appropriate functional organizations (e.g., Operations, Maintenance, and Site Engineering) were routinely consulted and engaged in the evaluation of potentially adverse seismic conditions.

5. Review of Submittal Report

A review of the submittal report was performed by members of the Peer Review Team, and it was determined that the objectives and requirements of the 50.54(f) Letter were met.

8.0 References

1. NRC Letter, *Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3 and 9.3 of the Near-Term Task Force Review of the Insights from the Fukushima Daiichi Accident*, dated March 12, 2012 (ML12056A046).
2. EPRI Report 1025286, Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic, June 2012.
3. NRC letter, *Endorsement of Electric Power Research Institute (EPRI) Draft Report 1025286, "Seismic Walkdown Guidance,"* dated May 31, 2012 (ML12145A529).
4. Surry UFSAR, Revision 44, Updated 9/27/2012
5. Virginia Electric and Power Company Letter S/N 97-665, J. P. O'Hanlon to NRC Document Control Desk, *Surry Power Station Units 1 and 2, Summary Report for Individual Plant Examination of External Events (IPEEE) – Seismic*, November 26, 1997
6. Virginia Electric and Power Company Letter S/N 97-664, J. P. O'Hanlon to NRC Document Control Desk, *Surry Power Station Units 1 and 2, Summary Report for Resolution of Unresolved Safety Issue (USI) A-46*, November 26, 1997
7. Virginia Electric and Power Company Letter S/N 00-143, L. N. Hartz to NRC Document Control Desk, *Surry Power Station Units 1 and 2 Completion of Outstanding Issues Related to Individual Plant Examination of External Events (IPEEE) – Seismic, Generic Letter (GL) 88-20, Supplements 4 and 5*, April 27, 2000.

Appendix A
Personnel Qualifications

Ellery BakerSummary of Background and Experience:

- Completed SQUG walkdown training course (2010)
- BS Civil Engineering
- PE, Virginia
- Approximately four years nuclear plant civil/structural/seismic engineering.

Larry Cullivan, Jr.Summary of Background and Experience:

- Completed SQUG walkdown training course (2012)
- BET, Mechanical/Structural Engineering
- Masters, Engineering Management
- Forty-four years of civil engineering experience in the nuclear industry, including preparation and implementation civil and mechanical design modifications.

William Gallagher, Sr.Summary of Background and Experience:

- Completed SQUG walkdown training course (1992)
- BS Civil Engineering
- Thirty-eight years in the nuclear industry and thirty-three with nuclear power plant design activities, including: IE Bulletin 79-14 Walkdown and Seismic Design Evaluation, Seismic Analyses For As-Built Safety-Related Piping Systems, Unresolved Safety Issue A-46 Walk Down and Seismic Design Evaluation, verification of seismic adequacy of equipment in operating plants, supplementary walkdowns for design basis document preparation, seismic design of nuclear power plant building structure, seismic evaluation of cable tray structure, seismic evaluation of piping system supports.

David GermanoSummary of Background and Experience:

- Completed SQUG walkdown training course (2010)
- BS Civil Engineering
- Four years of nuclear seismic engineering experience, including: preparation and implementation of civil and structural plant design modifications, civil and structural calculations.

Kevin McGuireSummary of Background and Experience:

- Completed EPRI SWE training course (2012)
- BS Civil Engineering
- Thirty-one years of nuclear seismic engineering experience, including preparation and implementation of civil and structural plant modifications and civil and structural calculations.

Marc HotchkissSummary of Background and Experience:

- Completed EPRI SWE training course (2012)
- BS Mechanical Engineering
- PE, Virginia
- Twenty-nine years of commercial nuclear power plant experience including: plant and system engineering; plant modifications; project management; nuclear control room shift operations (SRO); shift technical advisor; and new plant licensing; three years of nuclear plant seismic engineering-related experience.

Leo NadeauSummary of Background and Experience:

- Completed EPRI SWE training course (2012)
- BS Mechanical Engineering/ MS Mechanical Engineering
- Over twenty-five years of experience in project management and engineering activities related to nuclear power plant projects including engineering and construction experience with refueling outages in operating facilities; performing new construction and the refurbishment of nuclear power plants; fifteen years of seismic engineering experience.

Kurt RowlandSummary of Background and Experience:

- PE, Virginia
- Twenty-four years of experience in nuclear as a mechanical engineer and as a Project Manager, of which nineteen were at Surry Power Station

Daniel J. VasquezSummary of Background and Experience:

- Completed 5-day SQUG training (2007)
- BS, Aerospace Engineering
- PE, Virginia
- Twelve years of nuclear seismic engineering experience in the Dominion Corporate Engineering group. SQUG Seismic Capacity Engineer qualification and EPRI-SQRSTS (Seismic Qualification Reporting and Testing Standardization) chairman.

Tim WattleworthSummary of Background and Experience:

- Completed 5-day SQUG training (2010)
- BS Civil Engineering/ MS Civil Engineering
- PE, Wisconsin and Florida
- Five years of experience at the Kewaunee Power Station in Rapid Response Design Engineering supporting numerous station project seismic reviews, scaffolds, temporary shielding, and design basis reviews. Performed SQUG walkdown reviews for seismic verification of new and existing equipment adequacy.

Matthew WinterSummary of Background and Experience:

- Completed 5-day SQUG training (2007)
- BS Civil Engineering
- PE, Virginia
- Twelve years of nuclear seismic engineering experience including preparation and implementation of civil and structural plant modifications, civil and structural calculations, and equipment qualification using SQUG methodology.

Appendix B

Seismic Walkdown Equipment Lists (SWEL) and Area Walk-By Lists

1. Unit 1 SWEL 1
2. Unit 2 SWEL 1
3. Base List 2 and SWEL 2
4. Unit 1 SWEL
5. Unit 1 Summary Tables
6. Unit 2 SWEL
7. Unit 2 Summary Tables
8. Unit 1 Area Walk-by List
9. Unit 2 Area Walk-by List

1. Unit 1 SWEL 1

Unit 1 Seismic Walkdown Equipment List (SWEL) 1												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
1	20	1-CW-PNL-1B	Canal Level Relay Panel	Circulating Water	Cable Vault	9'	N		1, 2, 3, 4,5		SP1-WB-008	1,2,3
2	0	1-VS-MOD-101C	Charging Pump Cubicle Exhaust Damper	Ventilation	Auxiliary	2'	N		1, 2, 3		SP1-WB-002	
3	0	1-VS-S-1B	Strainer	Ventilation	MER 3	9'	Y		1, 2, 3, 4, 5		SP1-WB-003	2
4	0	1-SW-REJ-101A	MOV-101A Outlet	Service Water	Turbine	9'	Y		4		SP1-WB-031	
5	0	1-SW-REJ-102A	CC Hx Inlet Header	Service Water	Turbine	9'	Y		4		SP1-WB-004	
6	10	1-VS-AC-219	MER5 AIR HANDLER	Ventilation	MER 5	9'	N		1, 2, 3, 4, 5		SP1-WB-010	2
7	0	1-FW-T-2	Terry Turbine	Auxiliary Feedwater	MSVH	27'	Y		4		SP1-WB-006	2,3
8	10	1-VS-AC-222	MER5 AIR HANDLER	Ventilation	MER 5	9'	N		1, 2, 3, 4, 5		SP1-WB-010	2
9	0	1-MS-GOV-005	Terry Turbine Governor Valve	Main Steam	MSVH	27'	Y		4		SP1-WB-006	
10	1	1-EP-MCC-1H1-2N	Emergency MCC	Electrical Power	Cable Vault	15'	Y		1, 2, 3, 4, 5	Y	SP1-WB-008	1,2
11	1	1-EP-MCC-1K1	MCC for Chiller 4A	Electrical Power	ESGR	9'	Y		1, 2, 3, 4, 5		SP1-WB-009	1,2,3
12	1	1-EP-MCC-1H-1B	MCC for Chiller E	Electrical Power	MER 5	9'	Y		1, 2, 3, 4, 5		SP1-WB-010	1,2
13	2	1-RP-BKR-52-BYB	Rx Trip Breaker Bypass	Reactor Protection	Cable Spreading Room	45'	Y		1		SP1-WB-011	2
14	2	1-EP-LCC-1H	480V Emergency Bus	Electrical Power	ESGR	9'	Y		1,2,3,4,5		SP1-WB-009	2,3
15	2	1-EP-LCC-1H1	480V Emergency Bus	Electrical Power	ESGR	9'	Y		1, 2, 3, 4, 5		SP1-WB-009	2,3
16	3	1-EP-BKR-15J9	Stub Bus Tie Breaker	Electrical Power	ESGR	9'	N		1, 2, 3, 4, 5		SP1-WB-009	2

Unit 1 Seismic Walkdown Equipment List (SWEL) 1												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
17	4	1-EP-TRAN-1J	4160-480V Service Transformer	Electrical Power	ESGR	9'	Y		2, 4, 5	Y	SP1-WB-009	1,2,3
18	4	1-EP-XFRM-1SVB1-2	480-120V Semi-Vital Transformer	Electrical Power	Control Room	27'	N		1, 2, 3, 4, 5		SP1-WB-012	1,2,3
19	4	1-HT-T-2B3	Heat Tracing Transformer	Heat Tracing	Auxiliary	27'	N		1		SP1-WB-013	1,2,3
20	5	1-CH-P-1A	Charging Pump	CVCS	Auxiliary	2'	Y		1, 2, 3		SP1-WB-014	2,3
21	5	1-EE-P-1C	EDG 3 FO Transfer Pump	EDG	FOPH	16'	Y		1, 2, 3, 4,5		SP1-WB-015	2,3
22	5	1-CS-P-1A	CONTAINMENT SPRAY PUMP	Containment Spray	CSPH	27'	Y		5		SP1-WB-048	2,3
23	5	1-FW-P-2	Steam Driven Aux Feed Pump	Auxiliary Feedwater	MSVH	27'	Y	Y	4		SP1-WB-006	2,3
24	5	1-FW-P-4A	Emergency Cond Makeup Pump	Auxiliary Feedwater	CSPH	11'	N		4		SP1-WB-017	2,3
25	5	1-CC-P-1A	CC Pump	Component Cooling	Auxiliary	2'	Y		4		SP1-WB-018	2,3
26	5	1-FP-P-2	Diesel Fire Pump	Fire Protection	Fire Pump House	27'	N		4		SP1-WB-019	2,3
27	6	1-CC-P-2A	Charging Pump CC Pump	Component Cooling	Auxiliary	2'	Y		1, 2, 3		SP1-WB-020	2,3
28	6	1-SW-P-10A	Charging Pump SW Pump	Service Water	MER 4	9'	Y	Y	1, 2, 3		SP2-WB-014	2,3
29	6	1-SW-P-1C	Emergency SW Pump	Service Water	ESPH	18'	Y		4		SP1-WB-021	2,3
30	6	1-RS-P-2A	Outside RS Pump	Recirculation Spray	Safeguards	12'	Y		4,5		SP1-WB-022	2
31	6	1-SI-P-1A	Safety Injection Pump	Safety Injection	Safeguards	12'	Y		3,4,5		SP1-WB-022	2
32	6	1-VS-P-1D	Service Water Pump	Ventilation	MER 5	9'	N		4		SP1-WB-010	2

Unit 1 Seismic Walkdown Equipment List (SWEL) 1												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
33	7	1-FW-HCV-155A	FW/SG A FW BYP FLOW	Feedwater	MER 1	47'	N		4		SP1-WB-026	
34	7	1-MS-PCV-102A	Terry Turbine PCV	Main Steam	MSVH	27'	N		4		SP1-WB-006	
35	7	1-DA-TV-103A	OUTSIDE CTMT RET HDR TV	Deaerated Drains	Auxiliary	2'	N		5		SP1-WB-020	
36	7	1-LM-TV-100A	LM/LMC TAP 3 & 6 BAROMETER SUP TRIP VALVE	Leakage Monitoring	Auxiliary	13'	N		5		SP1-WB-042	
37	7	1-MS-TV-101A	MS Trip Valve	Main Steam	MSVH	40'	N		4		SP1-WB-024	
38	7	1-MS-TV-120	Terry Turbine Steam Isolation	Main Steam	MSVH	27'	N		4		SP1-WB-006	
39	7	1-LM-TV-100C	LM/LMC TAP 1 & 8 BAROMETER SUP TRIP VALVE	Leakage Monitoring	Auxiliary	13'	N		5		SP1-WB-042	
40	7	1-CV-TV-150A	Cont Vacuum Pump 1B Suction	Containment Vacuum	Auxiliary	2'	N		5		SP1-WB-020	
41	7	1-CC-TV-109B	RHR Outlet Trip Valve	Component Cooling	Auxiliary	2'	Y	Y	4		SP1-WB-020	
42	7	1-FW-FCV-1488	Main Feed Reg Valve	Feedwater	MER 1	47'	N	Y	4		SP1-WB-026	
43	7	1-IA-PCV-101	PORV Backup Air	Instrument Air	Containment	47'	N		2, 3		SP1-WB-027	1
44	7	1-RC-PCV-1455C	Pressurizer PORV	Reactor Coolant	Containment	47'	Y		2, 3		SP1-WB-027	1
45	7	1-DA-TV-100A	Containment Sump Dsch Trip Valve	Deaerated Drains	Containment	-3'	N	Y	5		SP1-WB-028	1
46	8	1-CS-MOV-101A	CS Pump Dsch	Containment Spray	CSPH	11'	Y		3		SP1-WB-017	
47	8	1-CS-MOV-102A	Chemical Addition Tank Isolation	Containment Spray	CSPH	11'	N	Y	3		SP1-WB-017	
48	8	1-CW-MOV-100A	Condenser Outlet	Circulating Water	Turbine	9'	N		4		SP1-WB-030	

Unit 1 Seismic Walkdown Equipment List (SWEL) 1												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
49	8	1-CW-MOV-106A	Condenser Inlet	Circulating Water	Turbine	9'	Y		4		SP1-WB-030	
50	8	1-CW-MOV-106C	Condenser Inlet	Circulating Water	Turbine	9'	Y		4		SP1-WB-030	
51	8	1-SW-MOV-101A	BC Hx Isolation	Service Water	Turbine	9'	Y		4		SP1-WB-031	
52	8	1-CH-MOV-1267A	CH/CHARGING PUMP INLET ISOL	CVCS	Auxiliary	2'	N		1, 2, 3		SP1-WB-014	
53	8	1-CH-MOV-1275A	CH/CHARGING PUMP RECIRC	CVCS	Auxiliary	2'	N		1, 2, 3		SP1-WB-014	
54	8	1-FW-MOV-151B	AFW Header	Auxiliary Feedwater	Containment	47'	Y		4		SP1-WB-033	1
55	8	1-FW-MOV-151E	AFW Header	Auxiliary Feedwater	Containment	47'	Y		4		SP1-WB-033	1
56	8	1-SI-MOV-1865A	Accumulator Outlet	Safety Injection	Containment	-27'	N		2		SP1-WB-032	1
57	9	1-VS-F-58A	Filter 3A Exhaust Fan	Ventilation	Auxiliary	47'	Y		1, 2, 3, 4		SP1-WB-034	2,3
58	9	1-VS-F-58B	Filter 3B Exhaust Fan	Ventilation	Auxiliary	47'	Y		1, 2, 3, 4		SP1-WB-034	2,3
59	10	1-VS-AC-1	MCR AC Unit	Ventilation	Service	27'	N		1, 2, 3, 4, 5		SP1-WB-040	1,2,3
60	10	1-VS-AC-7	Relay Room AC Unit	Ventilation	Service	9'	Y		1, 2, 3, 4, 5	Y	SP1-WB-039	1,2
61	11	1-CS-MR-1B	RWST Refrigeration Unit	Containment Spray	Yard	27'	N		3, 5		SP1-WB-035	2
62	11	1-VS-E-4B	Chiller	Ventilation	MER 3	9'	Y		1, 2, 3, 4, 5		SP1-WB-003	2,3
63	11	1-VS-E-4E	MCR/ESGR Chiller	Ventilation	MER 5	9'	Y		1,2,3,4,5		SP1-WB-010	2,3
64	12	1-EG-C-2	EDG Air Compressor	EDG	EDG 1 Room	27'	N		1, 2, 3, 4		SP1-WB-001	2,3
65	12	1-IA-C-1	Instrument Air Compressor	Instrument Air	Turbine	9'	N		4		SP2-WB-030	2,3
66	14	1-EP-DB-1-IA	EE/120V VITAL AC 1-IA BUS (RED)	Electrical Power	ESGR	9'	Y		1,2,3,4,5		SP1-WB-009	1,2,3

Unit 1 Seismic Walkdown Equipment List (SWEL) 1												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
67	12	1-EP-DB-1SVB1	EE/120V SEMI-VITAL AC BUS	Electrical Power	Control Room	27'	N		1,2,3,4,5		SP1-WB-012	1,2,3
68	14	1-EPD-DCS-1A-SUB	EE/125V VITAL DC SUB PNL 1A	Electrical Power	ESGR	9'	Y		1,2,3,4,5		SP1-WB-009	1,2,3
69	14	1-EPD-LP-1EC1	Emergency Lighting Panel	Electrical Power	MCR Computer Room	27'	N		1, 2, 3, 4, 5		SP1-WB-038	2
70	15	1-SW-B-1C	Emergency SW Pump Battery	Service Water	ESPH	18'	Y		4	Y	SP1-WB-021	2
71	15	1-EE-B-EG1	EDG Battery	EDG	EDG 1 Room	27'	Y		1, 2, 3, 4		SP1-WB-001	2,3
72	15	1-EPD-B-1A	125V Battery	Electrical Power	Battery Room	9'	Y		1, 2, 3, 4, 5		SP1-WB-047	2,3
73	16	1-MS-BC-1	MSTV App R SOV Battery Charger	Main Steam	MCR Computer Room	27'	N		4		SP1-WB-038	1,2,3
74	16	1-MS-BC-2	MSTV App R SOV Battery Charger	Main Steam	ESGR	9'	N		4		SP1-WB-009	1,2,3
75	17	1-EE-EG-1	Emergency Diesel Generator	EDG	EDG 1 Room	27'	Y		1, 2, 3, 4		SP1-WB-001	2,3
76	17	1-SW-PENG-1C	Emergency SW Pump Diesel	Service Water	ESPH	18'	Y		4		SP1-WB-021	2,3
77	18	1-CC-PS-103	CH Pump CC Pressure Switch	Component Cooling	Auxiliary	2'	Y		1, 2, 3		SP1-WB-020	2,3
78	18	1-CN-LT-100	ECST Level Transmitter	Auxiliary Feedwater	Yard	27'	N		4		SP1-WB-041	
79	18	1-CS-LT-100B	RWST Level	Containment Spray	Yard	27'	N		3, 5		SP1-WB-035	
80	18	1-RC-LT-1321	RVLIS B N-Range Level	Reactor Coolant	Auxiliary	13'	N		3		SP1-WB-042	2,3
81	18	1-FW-FT-100A	AFW Flow Transmitter	Auxiliary Feedwater	Containment	18'	N		4		SP1-WB-043	1,2
82	18	1-IA-PS-103B	PORV Backup Air Pressure Switch	Instrument Air	Containment	53'	N		2, 3		SP1-WB-044	1,2

Unit 1 Seismic Walkdown Equipment List (SWEL) 1												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
83	18	1-IA-PS-104B	PORV Backup Air Bottle Pressure Switch	Instrument Air	Containment	53'	N		2, 3		SP1-WB-044	1,2
84	19	1-CC-RTD-109B	RHR Hx Outlet Temp	Component Cooling	Auxiliary	2'	N		4		SP1-WB-020	
85	19	1-CH-TIC-1107	BAST A Temp	CVCS	Auxiliary	13'	N		1		SP1-WB-042	2,3
86	19	1-CH-TIC-1164	BAST B Temp	CVCS	Auxiliary	13'	N		1		SP1-WB-042	2,3
87	19	1-CS-RTD-100A	RWST Temp	Containment Spray	Yard	27'	N		3, 5		SP1-WB-035	
88	16	1-EE-BC-EG1	EDG 1 Battery Charger	EDG	EDG 1 Room	27'	Y	Y	1,2,3,4,5		SP1-WB-001	1,2,3
89	20	1-SW-CAB-3C	Emergency SW Pump Relay Cabinet	Service Water	ESPH	18'	N		4		SP1-WB-021	1,2,3
90	20	1-CW-PNL-1A	Canal Level Relay Panel	Circulating Water	Cable Vault	9'	Y		4		SP1-WB-008	1,2,3
91	14	1-EP-CS-100	CONTROL ROOM CHILLER MAN TRAN SWITCH	Electrical Power	ESGR	9'	N		4		SP1-WB-009	1,2,3
92	20	1-EP-PNL-ASP	AUX SHUTDOWN PANEL	Electrical Power	ESGR	9'	N		1, 2, 3, 4		SP1-WB-009	2
93	21	1-CC-E-1A	CC Hx	Component Cooling	Turbine	9'	Y		4		SP1-WB-045	2,3
94	21	1-CN-TK-1	ECST	Auxiliary Feedwater	Yard	27'	Y		4		SP1-WB-041	2
95	21	1-CS-TK-2	Caustic Storage Tank	Containment Spray	Yard	27'	N		5		SP1-WB-035	2,3
96	21	1-SW-E-8	Emergency SW Pump Brg Oil Cooler	Service Water	ESPH	18'	N		4		SP1-WB-021	2
97	21	1-FW-E-9	FW-P-2 Oil Cooler	Auxiliary Feedwater	MSVH	27'	Y		4		SP1-WB-006	2
98	21	1-EE-TK-3	Fuel Oil Day Tank	EDG	EDG 1 Room	27'	Y		1, 2, 3, 4		SP1-WB-001	2,3

Unit 1 Seismic Walkdown Equipment List (SWEL) 1												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
99	21	1-EG-TK-2	EDG Air Comp Air Receiver	EDG	EDG 1 Room	27'	Y		1, 2, 3, 4		SP1-WB-001	2
100	21	1-SI-TK-1C	SI Accumulator	Safety Injection	Containment	-27	N		3,4		SP1-WB-032	1,2,3

Notes

- 1. Not sufficiently accessible to complete the walkdown inspection. To be inspected when accessible.
- 2. Has anchorage
- 3. Detailed anchorage inspection to be performed

5 Safety Functions

- 1. Reactor reactivity control
- 2. Reactor coolant pressure control
- 3. Reactor coolant inventory control
- 4. Decay heat removal
- 5. Containment function

2. Unit 2 SWEL 1

Unit 2 Seismic Walkdown Equipment List (SWEL) 1												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
1	0	2-VS-MOD-201C	Charging Pump Cubicle Exhaust Damper	Ventilation	Auxiliary	2'	N		1, 2, 3		SP2-WB-001	
2	0	2-SW-REJ-201A	BC Hx Inlet Header	Service Water	Turbine	9'	Y		4		SP2-WB-002	
3	21	1-CH-TK-1C	CH/BORIC ACID STORAGE TANK C (BAST)	CVCS	Auxiliary	13'	Y		1		SP2-WB-011	2,3
4	3	2-EP-BKR-25H9	4kV Emergency Stub Bus Tie Breaker	Electrical Power	ESGR	9'	N		1,2,3,4,5		SP1-WB-009	2,3
5	1	2-EP-MCC-2H1-1A	2H Emergency MCC	Electrical Power	EDG 2 Room	27'	Y		1,2,3,4,5		SP2-WB-029	1,2,3
6	0	2-FW-T-2	Terry Turbine	Auxiliary Feedwater	MSVH	27'	Y		4		SP2-WB-004	2,3
7	2	2-EP-CS-200	CONTROL ROOM CHILLER 4B TRANSFER SWITCH	Electrical Power	ESGR	9'	N		1,2,3,4,5		SP1-WB-009	1,2,3
8	0	2-MS-GOV-005	Terry Turbine Governor Valve	Main Steam	MSVH	27'	Y		4		SP2-WB-004	
9	1	2-EP-MCC-2H1-2N	Emergency MCC	Electrical Power	Cable Vault	15'	Y		1, 2, 3, 4, 5	Y	SP2-WB-006	1,2,3
10	1	2-EP-MCC-2K1	MCC for Chiller 4B	Electrical Power	ESGR	9'	Y		1, 2, 3, 4, 5		SP1-WB-009	1,2,3
11	2	2-RP-BKR-52-BYB	Rx Trip Breaker Bypass	Reactor Protection	Cable Spreading Room	45'	Y		1		SP2-WB-008	2
12	2	2-EP-LCC-2H	480V Emergency Bus	Electrical Power	ESGR	9'	Y		1,2,3,4,5		SP1-WB-009	2,3
13	2	2-EP-LCC-2H1	480V Emergency Bus	Electrical Power	ESGR	9'	Y		1, 2, 3, 4, 5		SP1-WB-009	2,3
14	4	2-EP-TRAN-2J	4160-480V Service Transformer	Electrical Power	ESGR	9'	Y		1,2,3,4,5	Y	SP1-WB-009	1,2,3

Unit 2 Seismic Walkdown Equipment List (SWEL) 1												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
15	4	2-EP-XFRM-2SVB1-2	480-120V Semi-Vital Bus	Electrical Power	ESGR	9'	N		1, 2, 3, 4, 5		SP1-WB-009	1,2,3
16	5	2-CH-P-1A	Charging Pump	CVCS	Auxiliary	2'	Y		1, 2, 3		SP2-WB-010	2,3
17	5	1-CH-P-2C	Boric Acid Transfer Pump	CVCS	Auxiliary	13'	N		1		SP2-WB-011	2
18	5	2-FW-P-2	Steam Driven Aux Feed Pump	Auxiliary Feedwater	MSVH	27'	Y	Y	4		SP2-WB-004	2,3
19	5	2-FW-P-3A	Aux Feed Pump	Auxiliary Feedwater	MSVH	27'	Y		4		SP2-WB-004	2,3
20	5	2-CS-P-1A	CS Pump 1A	Containment Spray	CSPH	27'	Y		5		SP2-WB-041	2,3
21	5	2-FW-P-4A	Emergency Condensate Makeup Pump	Auxiliary Feedwater	CSPH	11'	Y		4		SP2-WB-013	2,3
22	5	1-CC-P-1C	CC Pump	Component Cooling	Auxiliary	2'	Y		4		SP1-WB-018	2,3
23	6	2-CC-P-2B	Charging Pump CC Pump	Component Cooling	Auxiliary	2'	Y		1, 2, 3		SP2-WB-019	2
24	6	2-SW-P-10A	Charging Pump SW Pump	Service Water	MER 4	9'	Y	Y	1, 2, 3		SP2-WB-014	2,3
25	6	2-RS-P-2A	Outside RS Pump	Recirculation Spray	Safeguards	12'	Y		4,5		SP2-WB-015	2
26	6	2-SI-P-1A	Safety Injection Pump	Safety Injection	Safeguards	12'	Y		3,4,5		SP2-WB-015	2
27	20	2-EP-PNL-ASP	AUX SHUTDOWN PANEL	Electrical Power	ESGR	9'	N		1, 2, 3, 4		SP1-WB-009	2
28	7	2-BD-TV-200A	S/G A Blowdown Containment Isolation	Steam Generator Blowdown	Containment	-3'	N		5		SP2-WB-023	1
29	7	2-FW-HCV-255A	FW/SG A FW BYPASS FLOW	Feedwater	MER 2	47'	N		4		SP2-WB-021	
30	7	2-DA-TV-203A	DA/HRSS WASTE TK PUMP DISCH CIV	Dearated Drains	Auxiliary	2'	N		5		SP2-WB-019	

Unit 2 Seismic Walkdown Equipment List (SWEL) 1												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
31	7	2-MS-PCV-202A	Terry Turbine PCV	Main Steam	MSVH	27'	N		4		SP2-WB-004	
32	7	2-LM-TV-200A	LM/CTMT LEAKAGE MONITORING HDR TRIP VALVE	Leakage Monitoring	Auxiliary	13'	N		5		SP2-WB-042	
33	7	2-FW-HCV-255C	FW/SG C FW BYPASS FLOW	Feedwater	MER 2	47'	N		4		SP2-WB-021	
34	7	2-MS-TV-220	Terry Turbine Steam Isolation	Main Steam	MSVH	27'	N		4		SP2-WB-004	
35	7	2-LM-TV-200C	LM/CTMT LEAKAGE MONITORING HDR TRIP VALVE	Leakage Monitoring	Auxiliary	13'	N		5		SP2-WB-042	
36	7	2-CV-TV-250A	Containment Vacuum Pump 1B Suction	Containment Vacuum	Auxiliary	2'	N		5		SP2-WB-019	
37	7	2-MS-TV-201A	MS Trip Valve	Main Steam	MSVH	40'	N		4		SP2-WB-020	
38	7	2-CC-TV-209B	RHR Outlet Trip Valve	Component Cooling	Auxiliary	2'	N	Y	4,5		SP2-WB-019	
39	7	2-FW-FCV-2478	Main Feed Reg Valve	Feedwater	MER 2	47'	N	Y	4		SP2-WB-021	
40	7	2-IA-PCV-201	PORV Backup Air	Instrument Air	Containment	47'	N		2, 3		SP2-WB-022	1
41	7	2-RC-PCV-2455C	Pressurize PORV	Reactor Coolant	Containment	47'	Y		2, 3		SP2-WB-022	1
42	7	2-DA-TV-200A	Containment Sump Dsch Trip Valve	Dearated Drains	Containment	-3'	N	Y	5		SP2-WB-023	1
43	8	2-CH-MOV-2267A	CH Pump Inlet Isolation	CVCS	Auxiliary	2'	N		1, 2, 3		SP2-WB-010	
44	8	2-CS-MOV-201A	CS Pump Dsch	Containment Spray	CSPH	11'	N		3		SP2-WB-013	
45	8	2-CS-MOV-202A	Chemical Addition Tank Isolation	Containment Spray	CSPH	11'	N	Y	3		SP2-WB-013	
46	8	2-CW-MOV-200A	Condenser Outlet	Circulating Water	Turbine	9'	N		4		SP2-WB-024	

Unit 2 Seismic Walkdown Equipment List (SWEL) 1												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
47	8	2-CW-MOV-206A	Condenser Inlet	Circulating Water	Turbine	9'	Y		4		SP2-WB-024	
48	8	2-CW-MOV-206C	Condenser Inlet	Circulating Water	Turbine	9'	Y		4		SP2-WB-024	
49	16	2-EP-UPS-2A-1	EE/UPS 2A1	Electrical Power	ESGR	9'	N		1,2,3,4,5		SP1-WB-009	1,2
50	8	2-SW-MOV-201A	BC Hx Isolation	Service Water	Turbine	9'	Y		4		SP2-WB-002	
51	10	2-VS-AC-6	ESGR Air Handler	Ventilation	ESGR	9'	Y		1,2,3,4,5		SP1-WB-009	1,2
52	10	2-VS-AC-7	ESGR Air Handler	Ventilation	ESGR	9'	Y		1,2,3,4,5		SP1-WB-009	1,2
53	8	2-CH-MOV-2275A	CH/CHARGING PUMP RECIRC	CVCS	Auxiliary	2'	N		1, 2, 3		SP2-WB-010	
54	8	2-CH-MOV-2286A	CH/CHARGING PUMP OUTLET TO CHARGING LINE	CVCS	Auxiliary	2'	N		1, 2, 3		SP2-WB-010	
55	8	2-CH-MOV-2289A	CH/CHARGING STOP VALVE	CVCS	Auxiliary	2'	N		1, 2, 3		SP2-WB-019	
56	8	2-CH-MOV-2289B	CH/CHARGING STOP VALVE	CVCS	Auxiliary	2'	N		1, 2, 3		SP2-WB-019	
57	8	2-FW-MOV-251B	AFW Header	Auxiliary Feedwater	Containment	47'	Y		4		SP2-WB-025	1
58	8	2-FW-MOV-251E	AFW Header	Auxiliary Feedwater	Containment	47'	Y		4		SP2-WB-025	1
59	8	2-SI-MOV-2865A	Accumulator Outlet	Safety Injection	Containment	-27'	N		2		SP2-WB-026	1
60	8	1-FW-MOV-160A	AFW Cross-Connect	Auxiliary Feedwater	MSVH	27'	N		4		SP2-WB-004	
61	8	2-SW-MOV-205A	RS Hx Isolation	Service Water	CSPH	11'	N		4		SP2-WB-013	
62	11	2-CS-MR-1B	RWST Refrigeration Unit	Containment Spray	Yard	27'	N		3, 5		SP2-WB-028	2
63	12	2-EG-C-2	EDG Air Compressor	EDG	EDG 2 Room	27'	N		1, 2, 3, 4		SP2-WB-029	2,3

Unit 2 Seismic Walkdown Equipment List (SWEL) 1												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
64	12	2-IA-C-1	Instrument Air Compressor	Instrument Air	Turbine	9'	N		4		SP2-WB-030	2,3
65	14	2-EP-DB-2-IA	EE/120V VITAL AC 2-IA BUS (RED)	Electrical Power	ESGR	9'	Y		1, 2, 3, 4, 5		SP1-WB-009	1,2,3
66	14	2-EP-DB-2SVB1	EE/120V SEMI-VITAL AC BUS	Electrical Power	Control Room	27'	N		1, 2, 3, 4, 5		SP2-WB-003	1,2,3
67	14	2-EPD-DCS-2A-SUB	EE/125V VITAL DC SUB PNL 2A	Electrical Power	ESGR	9'	N		1, 2, 3, 4, 5		SP1-WB-009	1,2,3
68	14	2-EP-LP-2S12	MCR Lighting Cabinet	Electrical Power	ESGR	9'	N		1, 2, 3, 4, 5		SP1-WB-009	2
69	15	2-EPD-B-2A	125V Battery	Electrical Power	Battery Room	9'	Y		1, 2, 3, 4, 5		SP2-WB-007	2,3
70	15	2-EPD-B-2B	125V Battery	Electrical Power	Battery Room	9'	Y		1, 2, 3, 4, 5		SP2-WB-040	2,3
71	15	2-EE-B-EG2	EDG Battery	EDG	EDG 2 Room	27'	Y		1, 2, 3, 4		SP2-WB-029	2,3
72	16	2-EP-UPS-2B-2	EE/UPS 2B2	Electrical Power	ESGR	9'	Y		1,2,3,4,5		SP1-WB-009	1,2,3
73	16	2-MS-BC-2	MSTV App R SOV Battery Charger	Main Steam	ESGR	9'	N		4		SP1-WB-009	1,2,3
74	17	2-EE-EG-1	Emergency Diesel Generator	EDG	EDG 2 Room	27'	Y		1, 2, 3, 4		SP2-WB-029	2,3
75	18	2-CC-PS-203	CH Pump CC Pressure Switch	Component Cooling	Auxiliary	2'	Y		1, 2, 3		SP2-WB-019	
76	18	2-CN-LT-200	ECST Level Transmitter	Auxiliary Feedwater	Yard	27'	Y		4		SP2-WB-031	
77	18	2-CC-FT-210A	CC/RHR HX OUTLET FLOW	Component Cooling	Auxiliary	2'	N		1, 2, 3		SP2-WB-019	2,3
78	18	2-CS-LT-200B	RWST Level	Containment Spray	Yard	27'	N		3		SP2-WB-028	
79	18	2-MS-PT-2484	MS Pressure Transmitter	Main Steam	CSPH	11'	N		2,4,5		SP2-WB-013	2,3

Unit 2 Seismic Walkdown Equipment List (SWEL) 1												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
80	18	2-MS-FT-200	MS Flow Transmitter	Main Steam	CSPH	27'	N		4		SP2-WB-041	2
81	18	2-MS-PT-201A	MS Pressure Transmitter	Main Steam	CSPH	11'	N		4		SP2-WB-013	2
82	18	2-RC-LT-2321	RVLIS B N-Range Level	Reactor Coolant	Auxiliary	13'	N		3		SP2-WB-011	2,3
83	18	2-SW-PS-7	CH Pump SW Pressure Switch	Service Water	MER 4	9'	Y		1, 2, 3		SP2-WB-014	
84	18	2-FW-FT-200A	AFW Flow Transmitter	Auxiliary Feedwater	Containment	18'	N		4		SP2-WB-036	1,2
85	18	2-IA-PS-203B	PORV Backup Air Pressure Switch	Instrument Air	Containment	47'	N		2, 3		SP2-WB-037	1,2
86	18	2-IA-PS-204B	PORV Backup Air Bottle Pressure Switch	Instrument Air	Containment	47'	N		2, 3		SP2-WB-037	1,2
87	19	2-CC-RTD-209B	RHR Hx Outlet Temp	Component Cooling	Auxiliary	2'	N		4		SP2-WB-019	
88	19	1-CH-TIC-1103	BAST A Temp	CVCS	Auxiliary	13'	N		1		SP2-WB-011	2,3
89	19	1-CH-TIC-1166	BAST B Temp	CVCS	Auxiliary	13'	N		1		SP2-WB-011	2,3
90	19	2-CS-RTD-200A	RWST Temp	Containment Spray	Yard	27'	N		3, 5		SP2-WB-028	
91	16	2-EE-BC-EG2	EDG 2 Battery Charger	EDG	EDG 2 Room	27'	Y		1, 2, 3, 4		SP2-WB-029	1,2,3
92	20	2-CW-PNL-1A	Canal Level Relay Panel	Circulating Water	ESGR	9'	Y		4		SP1-WB-009	1,2,3
93	18	2-MS-PT-2475	MS Pressure Transmitter	Main Steam	CSPH	11'	N		2,4,5		SP2-WB-013	2,3
94	20	2-RP-CAB-CHIB	REACTOR PROTECTION TRAIN B	Reactor Protection	ESGR	9'	N		1,2,3,4,5		SP1-WB-009	2
95	21	1-CC-E-1D	CC Heat Exchanger	Component Cooling	Turbine	9'	Y		4		SP1-WB-045	2,3
96	21	2-CN-TK-1	ECST	Auxiliary Feedwater	Yard	27'	Y		4		SP2-WB-031	2

Unit 2 Seismic Walkdown Equipment List (SWEL) 1												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
97	21	2-CS-TK-2	Caustic Storage Tank	Containment Spray	Yard	27'	Y		5		SP2-WB-028	2,3
98	21	2-FW-E-9	FW-P-2 Oil Cooler	Auxiliary Feedwater	MSVH	27'	Y		4		SP2-WB-004	2
99	21	2-EE-TK-3	EDG 2 FO Day Tank	EDG	EDG 2 Room	27'	Y		1, 2, 3, 4		SP2-WB-029	2
100	21	2-SI-TK-1C	SI Accumulator	Safety Injection	Containment	-27'	N		3,4		SP2-WB-026	1,2,3

Notes

1. Not sufficiently accessible to complete the walkdown inspection. To be inspected when accessible.
2. Has anchorage
3. Detailed anchorage inspection performed

5 Safety Functions

1. Reactor reactivity control
2. Reactor coolant pressure control
3. Reactor coolant inventory control
4. Decay heat removal
5. Containment function

3. Base List 2 and SWEL 2

ID	Description	System	SWEL2?
01-FC--11	SPENT FUEL PIT PUMP 1A DISCH CHK VA	Spent Fuel Pool Cooling	N
01-FC--12	SPENT FUEL PIT PUMP 1A DISCH	Spent Fuel Pool Cooling	N
01-FC--13	SPENT FUEL PIT PUMP 1B DISCH	Spent Fuel Pool Cooling	N
01-FC--14	SPENT FUEL PIT PUMPS 1A/B DISCH XCO	Spent Fuel Pool Cooling	N
01-FC--34	SPENT FUEL PIT PUMP 1A SUCT HDR ISO	Spent Fuel Pool Cooling	N
01-FC--35	SPENT FUEL PIT PUMP 1B SUCT HDR ISO	Spent Fuel Pool Cooling	Y
01-FC--36	SPENT FUEL PIT PUMPS SUCT HDR XTIE	Spent Fuel Pool Cooling	N
01-FC--38	FUEL PIT CLR 1A INLET ISOL	Spent Fuel Pool Cooling	N
01-FC--4	SPENT FUEL PIT PUMP 1B SUCT	Spent Fuel Pool Cooling	N
01-FC--40	FUEL PIT CLR 1B INLET ISOL	Spent Fuel Pool Cooling	Y
01-FC--41	FUEL PIT CLR 1B OUTLET	Spent Fuel Pool Cooling	N
01-FC--42	FUEL PIT CLR 1A OUTLET	Spent Fuel Pool Cooling	N
01-FC--9	SPENT FUEL PIT PUMP 1B DISCH CHK VA	Spent Fuel Pool Cooling	N
01-FC-E-1A	SPENT FUEL PIT CLR 1A	Spent Fuel Pool Cooling	N
01-FC-E-1B	SPENT FUEL PIT CLR 1B	Spent Fuel Pool Cooling	Y
01-FC-P-1A	SPENT FUEL PIT PUMP 1A	Spent Fuel Pool Cooling	N
01-FC-P-1B	SPENT FUEL PIT PUMP 1B	Spent Fuel Pool Cooling	Y
01-FC-PNL-FC1A	1-FC-P-1A STARTER PANEL	Spent Fuel Pool Cooling	N
01-FC-PNL-1A-PDB	FC PUMP 1A NORMAL POWER DISTRIBUTIO	Spent Fuel Pool Cooling	N
01-FC-PNL-1A1B-PDB	FC PUMPS 1A AND 1B ALTERNATE POWER	Spent Fuel Pool Cooling	N
01-FC-S-1A	SPENT FUEL PIT PUMP 1A SUCT STRAINE	Spent Fuel Pool Cooling	N
01-FC-S-1B	SPENT FUEL PIT PUMP 1B SUCT STRAINE	Spent Fuel Pool Cooling	N
01-FC-TRAN-FC1A	CONTROL TRANSFORMER FOR 1-FC-P-1A	Spent Fuel Pool Cooling	N
01-FC-TW-100A	SPENT FUEL PIT CLR 1A INLET THERMOW	Spent Fuel Pool Cooling	N
01-FC-TW-100B	SPENT FUEL PIT CLR 1B INLET THERMOW	Spent Fuel Pool Cooling	N
01-FC-TW-101A	SPENT FUEL PIT CLR 1A OUTLET THERMO	Spent Fuel Pool Cooling	N
01-FC-TW-101B	SPENT FUEL PIT CLR 1B OUTLET THERMO	Spent Fuel Pool Cooling	N
02-FC-PNL-FC1B	1-FC-P-1B STARTER PANEL	Spent Fuel Pool Cooling	N
02-FC-PNL-1B-PDB	FC PUMP 1B NORMAL POWER DISTRIBUTIO	Spent Fuel Pool Cooling	N
02-FC-TRAN-FC1B	CONTROL TRANSFORMER FOR 1-FC-P-1B	Spent Fuel Pool Cooling	N

4. Unit 1 SWEL

Unit 1 Seismic Walkdown Equipment List (SWEL)												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
1	20	1-CW-PNL-1B	Canal Level Relay Panel	Circulating Water	Cable Vault	9'	N		1, 2, 3, 4,5		SP1-WB-008	1,2,3
2	0	1-VS-MOD-101C	Charging Pump Cubicle Exhaust Damper	Ventilation	Auxiliary	2'	N		1, 2, 3		SP1-WB-002	
3	0	1-VS-S-1B	Strainer	Ventilation	MER 3	9'	Y		1, 2, 3, 4, 5		SP1-WB-003	2
4	0	1-SW-REJ-101A	MOV-101A Outlet	Service Water	Turbine	9'	Y		4		SP1-WB-031	
5	0	1-SW-REJ-102A	CC Hx Inlet Header	Service Water	Turbine	9'	Y		4		SP1-WB-004	
6	10	1-VS-AC-219	MER5 AIR HANDLER	Ventilation	MER 5	9'	N		1, 2, 3, 4, 5		SP1-WB-010	2
7	0	1-FW-T-2	Terry Turbine	Auxiliary Feedwater	MSVH	27'	Y		4		SP1-WB-006	2,3
8	10	1-VS-AC-222	MER5 AIR HANDLER	Ventilation	MER 5	9'	N		1, 2, 3, 4, 5		SP1-WB-010	2
9	0	1-MS-GOV-005	Terry Turbine Governor Valve	Main Steam	MSVH	27'	Y		4		SP1-WB-006	
10	1	1-EP-MCC-1H1-2N	Emergency MCC	Electrical Power	Cable Vault	15'	Y		1, 2, 3, 4, 5	Y	SP1-WB-008	1,2
11	1	1-EP-MCC-1K1	MCC for Chiller 4A	Electrical Power	ESGR	9'	Y		1, 2, 3, 4, 5		SP1-WB-009	1,2,3
12	1	1-EP-MCC-1H-1B	MCC for Chiller E	Electrical Power	MER 5	9'	Y		1, 2, 3, 4, 5		SP1-WB-010	1,2
13	2	1-RP-BKR-52-BYB	Rx Trip Breaker Bypass	Reactor Protection	Cable Spreading Room	45'	Y		1		SP1-WB-011	2
14	2	1-EP-LCC-1H	480V Emergency Bus	Electrical Power	ESGR	9'	Y		1,2,3,4,5		SP1-WB-009	2,3
15	2	1-EP-LCC-1H1	480V Emergency Bus	Electrical Power	ESGR	9'	Y		1, 2, 3, 4, 5		SP1-WB-009	2,3
16	3	1-EP-BKR-15J9	Stub Bus Tie Breaker	Electrical Power	ESGR	9'	N		1, 2, 3, 4, 5		SP1-WB-009	2

Unit 1 Seismic Walkdown Equipment List (SWEL)												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
17	4	1-EP-TRAN-1J	4160-480V Service Transformer	Electrical Power	ESGR	9'	Y		2, 4, 5	Y	SP1-WB-009	1,2,3
18	4	1-EP-XFRM-1SVB1-2	480-120V Semi-Vital Transformer	Electrical Power	Control Room	27'	N		1, 2, 3, 4, 5		SP1-WB-012	1,2,3
19	4	1-HT-T-2B3	Heat Tracing Transformer	Heat Tracing	Auxiliary	27'	N		1		SP1-WB-013	1,2,3
20	5	1-CH-P-1A	Charging Pump	CVCS	Auxiliary	2'	Y		1, 2, 3		SP1-WB-014	2,3
21	5	1-EE-P-1C	EDG 3 FO Transfer Pump	EDG	FOPH	16'	Y		1, 2, 3, 4,5		SP1-WB-015	2,3
22	5	1-CS-P-1A	CS/CONTAINMENT SPRAY PUMP	Containment Spray	CSPH	27'	Y		5		SP1-WB-048	2,3
23	5	1-FW-P-2	Steam Driven Aux Feed Pump	Auxiliary Feedwater	MSVH	27'	Y	Y	4		SP1-WB-006	2,3
24	5	1-FW-P-4A	Emergency Cond Makeup Pump	Auxiliary Feedwater	CSPH	11'	N		4		SP1-WB-017	2,3
25	5	1-CC-P-1A	CC Pump	Component Cooling	Auxiliary	2'	Y		4		SP1-WB-018	2,3
26	5	1-FP-P-2	Diesel Fire Pump	Fire Protection	Fire Pump House	27'	N		4		SP1-WB-019	2,3
27	6	1-CC-P-2A	Charging Pump CC Pump	Component Cooling	Auxiliary	2'	Y		1, 2, 3		SP1-WB-020	2,3
28	6	1-SW-P-10A	Charging Pump SW Pump	Service Water	MER 4	9'	Y	Y	1, 2, 3		SP2-WB-014	2,3
29	6	1-SW-P-1C	Emergency SW Pump	Service Water	ESPH	18'	Y		4		SP1-WB-021	2,3
30	6	1-RS-P-2A	Outside RS Pump	Recirculation Spray	Safeguards	12'	Y		4,5		SP1-WB-022	2
31	6	1-SI-P-1A	Safety Injection Pump	Safety Injection	Safeguards	12'	Y		3,4,5		SP1-WB-022	2
32	6	1-VS-P-1D	Service Water Pump	Ventilation	MER 5	9'	N		4		SP1-WB-010	2

Unit 1 Seismic Walkdown Equipment List (SWEL)												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
33	7	1-FW-HCV-155A	FW/SG A FW BYP FLOW	Feedwater	MER 1	47'	N		4		SP1-WB-026	
34	7	1-MS-PCV-102A	Terry Turbine PCV	Main Steam	MSVH	27'	N		4		SP1-WB-006	
35	7	1-DA-TV-103A	OUTSIDE CTMT RET HDR TV	Dearated Drains	Auxiliary	2'	N		5		SP1-WB-020	
36	7	1-LM-TV-100A	LM/LMC TAP 3 & 6 BAROMETER SUP TRIP VALVE	Leakage Monitoring	Auxiliary	13'	N		5		SP1-WB-042	
37	7	1-MS-TV-101A	MS Trip Valve	Main Steam	MSVH	40'	N		4		SP1-WB-024	
38	7	1-MS-TV-120	Terry Turbine Steam Isolation	Main Steam	MSVH	27'	N		4		SP1-WB-006	
39	7	1-LM-TV-100C	LM/LMC TAP 1 & 8 BAROMETER SUP TRIP VALVE	Leakage Monitoring	Auxiliary	13'	N		5		SP1-WB-042	
40	7	1-CV-TV-150A	Cont Vacuum Pump 1B Suction	Containment Vacuum	Auxiliary	2'	N		5		SP1-WB-020	
41	7	1-CC-TV-109B	RHR Outlet Trip Valve	Component Cooling	Auxiliary	2'	Y	Y	4		SP1-WB-020	
42	7	1-FW-FCV-1488	Main Feed Reg Valve	Feedwater	MER 1	47'	N	Y	4		SP1-WB-026	
43	7	1-IA-PCV-101	PORV Backup Air	Instrument Air	Containment	47'	N		2, 3		SP1-WB-027	1
44	7	1-RC-PCV-1455C	Pressurizer PORV	Reactor Coolant	Containment	47'	Y		2, 3		SP1-WB-027	1
45	7	1-DA-TV-100A	Containment Sump Dsch Trip Valve	Dearated Drains	Containment	-3'	N	Y	5		SP1-WB-028	1
46	8	1-CS-MOV-101A	CS Pump Dsch	Containment Spray	CSPH	11'	Y		3		SP1-WB-017	
47	8	1-CS-MOV-102A	Chemical Addition Tank Isolation	Containment Spray	CSPH	11'	N	Y	3		SP1-WB-017	
48	8	1-CW-MOV-100A	Condenser Outlet	Circulating Water	Turbine	9'	N		4		SP1-WB-030	

Unit 1 Seismic Walkdown Equipment List (SWEL)												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
49	8	1-CW-MOV-106A	Condenser Inlet	Circulating Water	Turbine	9'	Y		4		SP1-WB-030	
50	8	1-CW-MOV-106C	Condenser Inlet	Circulating Water	Turbine	9'	Y		4		SP1-WB-030	
51	8	1-SW-MOV-101A	BC Hx Isolation	Service Water	Turbine	9'	Y		4		SP1-WB-031	
52	8	1-CH-MOV-1267A	CH/CHARGING PUMP INLET ISOL	CVCS	Auxiliary	2'	N		1, 2, 3		SP1-WB-014	
53	8	1-CH-MOV-1275A	CH/CHARGING PUMP RECIRC	CVCS	Auxiliary	2'	N		1, 2, 3		SP1-WB-014	
54	8	1-FW-MOV-151B	AFW Header	Auxiliary Feedwater	Containment	47'	Y		4		SP1-WB-033	1
55	8	1-FW-MOV-151E	AFW Header	Auxiliary Feedwater	Containment	47'	Y		4		SP1-WB-033	1
56	8	1-SI-MOV-1865A	Accumulator Outlet	Safety Injection	Containment	-27'	N		2		SP1-WB-032	1
57	9	1-VS-F-58A	Filter 3A Exhaust Fan	Ventilation	Auxiliary	47'	Y		1, 2, 3, 4		SP1-WB-034	2,3
58	9	1-VS-F-58B	Filter 3B Exhaust Fan	Ventilation	Auxiliary	47'	Y		1, 2, 3, 4		SP1-WB-034	2,3
59	10	1-VS-AC-1	MCR AC Unit	Ventilation	Service	27'	N		1, 2, 3, 4, 5		SP1-WB-040	1,2,3
60	10	1-VS-AC-7	Relay Room AC Unit	Ventilation	Service	9'	Y		1, 2, 3, 4, 5	Y	SP1-WB-039	1,2
61	11	1-CS-MR-1B	RWST Refrigeration Unit	Containment Spray	Yard	27'	N		3, 5		SP1-WB-035	2
62	11	1-VS-E-4B	Chiller	Ventilation	MER 3	9'	Y		1, 2, 3, 4, 5		SP1-WB-003	2,3
63	11	1-VS-E-4E	MCR/ESGR Chiller	Ventilation	MER 5	9'	Y		1,2,3,4,5		SP1-WB-010	2,3
64	12	1-EG-C-2	EDG Air Compressor	EDG	EDG 1 Room	27'	N		1, 2, 3, 4		SP1-WB-001	2,3
65	12	1-IA-C-1	Instrument Air Compressor	Instrument Air	Turbine	9'	N		4		SP2-WB-030	2,3
66	14	1-EP-DB-1-IA	EE/120V VITAL AC 1-IA BUS (RED)	Electrical Power	ESGR	9'	Y		1,2,3,4,5		SP1-WB-009	1,2,3

Unit 1 Seismic Walkdown Equipment List (SWEL)												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
67	12	1-EP-DB-1SVB1	EE/120V SEMI-VITAL AC BUS	Electrical Power	Control Room	27'	N		1,2,3,4,5		SP1-WB-012	1,2,3
68	14	1-EPD-DCS-1A-SUB	EE/125V VITAL DC SUB PNL 1A	Electrical Power	ESGR	9'	Y		1,2,3,4,5		SP1-WB-009	1,2,3
69	14	1-EPD-LP-1EC1	Emergency Lighting Panel	Electrical Power	MCR Computer Room	27'	N		1, 2, 3, 4, 5		SP1-WB-038	2
70	15	1-SW-B-1C	Emergency SW Pump Battery	Service Water	ESPH	18'	Y		4	Y	SP1-WB-021	2
71	15	1-EE-B-EG1	EDG Battery	EDG	EDG 1 Room	27'	Y		1, 2, 3, 4		SP1-WB-001	2,3
72	15	1-EPD-B-1A	125V Battery	Electrical Power	Battery Room	9'	Y		1, 2, 3, 4, 5		SP1-WB-047	2,3
73	16	1-MS-BC-1	MSTV App R SOV Battery Charger	Main Steam	MCR Computer Room	27'	N		4		SP1-WB-038	1,2,3
74	16	1-MS-BC-2	MSTV App R SOV Battery Charger	Main Steam	ESGR	9'	N		4		SP1-WB-009	1,2,3
75	17	1-EE-EG-1	Emergency Diesel Generator	EDG	EDG 1 Room	27'	Y		1, 2, 3, 4		SP1-WB-001	2,3
76	17	1-SW-PENG-1C	Emergency SW Pump Diesel	Service Water	ESPH	18'	Y		4		SP1-WB-021	2,3
77	18	1-CC-PS-103	CH Pump CC Pressure Switch	Component Cooling	Auxiliary	2'	Y		1, 2, 3		SP1-WB-020	2,3
78	18	1-CN-LT-100	ECST Level Transmitter	Auxiliary Feedwater	Yard	27'	N		4		SP1-WB-041	
79	18	1-CS-LT-100B	RWST Level	Containment Spray	Yard	27'	N		3, 5		SP1-WB-035	
80	18	1-RC-LT-1321	RVLIS B N-Range Level	Reactor Coolant	Auxiliary	13'	N		3		SP1-WB-042	2,3
81	18	1-FW-FT-100A	AFW Flow Transmitter	Auxiliary Feedwater	Containment	18'	N		4		SP1-WB-043	1,2
82	18	1-IA-PS-103B	PORV Backup Air Pressure Switch	Instrument Air	Containment	53'	N		2, 3		SP1-WB-044	1,2

Unit 1 Seismic Walkdown Equipment List (SWEL)												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
83	18	1-IA-PS-104B	PORV Backup Air Bottle Pressure Switch	Instrument Air	Containment	53'	N		2, 3		SP1-WB-044	1,2
84	19	1-CC-RTD-109B	RHR Hx Outlet Temp	Component Cooling	Auxiliary	2'	N		4		SP1-WB-020	
85	19	1-CH-TIC-1107	BAST A Temp	CVCS	Auxiliary	13'	N		1		SP1-WB-042	2,3
86	19	1-CH-TIC-1164	BAST B Temp	CVCS	Auxiliary	13'	N		1		SP1-WB-042	2,3
87	19	1-CS-RTD-100A	RWST Temp	Containment Spray	Yard	27'	N		3, 5		SP1-WB-035	
88	16	1-EE-BC-EG1	EDG 1 Battery Charger	EDG	EDG 1 Room	27'	Y	Y	1,2,3,4,5		SP1-WB-001	1,2,3
89	20	1-SW-CAB-3C	Emergency SW Pump Relay Cabinet	Service Water	ESPH	18'	N		4		SP1-WB-021	1,2,3
90	20	1-CW-PNL-1A	Canal Level Relay Panel	Circulating Water	Cable Vault	9'	Y		4		SP1-WB-008	1,2,3
91	14	1-EP-CS-100	CONTROL ROOM CHILLER MAN TRAN SWITCH	Electrical Power	ESGR	9'	N		4		SP1-WB-009	1,2,3
92	20	1-EP-PNL-ASP	AUX SHUTDOWN PANEL	Electrical Power	ESGR	9'	N		1, 2, 3, 4		SP1-WB-009	2
93	21	1-CC-E-1A	CC Hx	Component Cooling	Turbine	9'	Y		4		SP1-WB-045	2,3
94	21	1-CN-TK-1	ECST	Auxiliary Feedwater	Yard	27'	Y		4		SP1-WB-041	2
95	21	1-CS-TK-2	Caustic Storage Tank	Containment Spray	Yard	27'	N		5		SP1-WB-035	2,3
96	21	1-SW-E-8	Emergency SW Pump Brg Oil Cooler	Service Water	ESPH	18'	N		4		SP1-WB-021	2
97	21	1-FW-E-9	FW-P-2 Oil Cooler	Auxiliary Feedwater	MSVH	27'	Y		4		SP1-WB-006	2
98	21	1-EE-TK-3	Fuel Oil Day Tank	EDG	EDG 1 Room	27'	Y		1, 2, 3, 4		SP1-WB-001	2,3
99	21	1-EG-TK-2	EDG Air Comp Air Receiver	EDG	EDG 1 Room	27'	Y		1, 2, 3, 4		SP1-WB-001	2
100	21	1-SI-TK-1C	SI Accumulator	Safety Injection	Containment	-27'	N		3,4		SP1-WB-032	1,2,3

Unit 1 Seismic Walkdown Equipment List (SWEL)												
Item #	Class	ID	Description	System	Location	Elev.	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
101	21	1-FC-E-1B	SFP Cooler	Spent Fuel Cooling	Fuel	6'	Y		N/A		SP2-WB-038	2,3,4
102	5	1-FC-P-1B	SFP Cooling Pump	Spent Fuel Cooling	Fuel	6'	Y		N/A		SP2-WB-038	2,3,4
103	0	1-FC-40	SFP Cooler B Inlet Isolation	Spent Fuel Cooling	Fuel	6'	N		N/A		SP2-WB-038	4
104	0	1-FC-35	SFP Cooling Pump 1B Suction Isolation	Spent Fuel Cooling	Fuel	20'	N		N/A		SP2-WB-038	4

Notes

1. Not sufficiently accessible to complete the walkdown inspection. To be inspected when accessible.
2. Has anchorage
3. Detailed anchorage inspection performed
4. SWEL 2 item

5 Safety Functions

1. Reactor reactivity control
2. Reactor coolant pressure control
3. Reactor coolant inventory control
4. Decay heat removal
5. Containment function

5. Unit 1 Summary Tables

Unit 1 SWEL Equipment Class Summary

GIP Class	Class Title	Items
0	Miscellaneous	8
1	Motor Control Centers	3
2	Low Voltage Switchgear	3
3	Medium Voltage Switchgear	1
4	Transformers	3
5	Horizontal Pumps	8
6	Vertical Pumps	6
7	Fluid Operated Valves	13
8	Motor Operated Valves, Solenoid Operated Valves	11
9	Fans	2
10	Air Handlers	4
11	Chillers	3
12	Air Compressors	3
13	Motor Generators	0
14	Distribution Panels	4
15	Batteries on Racks	3
16	Battery Chargers and Inverters	3
17	Engine Generators	2
18	Instruments on Racks	7
19	Temperature Sensors	4
20	Instrumentation and Control Panels and Racks	4
21	Tanks and Heat Exchangers (GIP Section 7)	9
	Total	104

UNIT 1 SWEL Location Summary

Building	Elevation	Items
Auxiliary	2	11
Auxiliary	13	5
Auxiliary	27	1
Auxiliary	47	2
Battery Room	9	1
Cable Spreading Room	45	1
Cable Vault	9	2
Cable Vault	15	1
Containment	-27	2
Containment	-3	1
Containment	18	1
Containment	47	4
Containment	53	2
Control Room	27	2
CSPH	11	3
CSPH	27	1
EDG Room	27	6
ESGR	9	10
ESPH	18	5
Fire Pump House	27	1
Fuel Oil Pump House	16	1
Fuel Building	6	3
Fuel Building	20	1
MCR Computer Room	27	2
MER 1	47	2
MER 3	9	2
MER 4	9	1
MER 5	9	5
MSVH	27	6
MSVH	40	1
Safeguards	12	2
Turbine	9	8
Service	9	1
Service	27	1
Yard	27	6
TOTAL		104

Unit 1 SWEL System Summary

System	Items
Auxiliary Feedwater	9
Circulating Water	5
Component Cooling	6
Containment Spray	7
Containment Vacuum	1
CVCS	5
Deaerated Drains	2
EDG	7
Electrical Power	15
Feedwater	2
Fire Protection	1
Heat Tracing	1
Instrument Air	4
Leakage Monitoring	2
Main Steam	6
Reactor Coolant	2
Reactor Protection	1
Recirculation Spray	1
Safety Injection	3
Service Water	9
Spent Fuel Cooling	4
Ventilation	11
TOTAL	104

6. Unit 2 SWEL

Unit 2 Seismic Walkdown Equipment List (SWEL)												
Item #	Class	ID	Description	System	Location	Elevation	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
1	0	2-VS-MOD-201C	Charging Pump Cubicle Exhaust Damper	Ventilation	Auxiliary	2'	N		1, 2, 3		SP2-WB-001	
2	0	2-SW-REJ-201A	BC Hx Inlet Header	Service Water	Turbine	9'	Y		4		SP2-WB-002	
3	21	1-CH-TK-1C	CH/BORIC ACID STORAGE TANK C (BAST)	CVCS	Auxiliary	13'	Y		1		SP2-WB-011	2,3
4	3	2-EP-BKR-25H9	4kV Emergency Stub Bus Tie Breaker	Electrical Power	ESGR	9'	N		1,2,3,4,5		SP1-WB-009	2,3
5	1	2-EP-MCC-2H1-1A	2H Emergency MCC	Electrical Power	EDG 2 Room	27'	Y		1,2,3,4,5		SP2-WB-029	1,2,3
6	0	2-FW-T-2	Terry Turbine	Auxiliary Feedwater	MSVH	27'	Y		4		SP2-WB-004	2,3
7	2	2-EP-CS-200	CONTROL ROOM CHILLER 4B TRANSFER SWITCH	Electrical Power	ESGR	9'	N		1,2,3,4,5		SP1-WB-009	1,2,3
8	0	2-MS-GOV-005	Terry Turbine Governor Valve	Main Steam	MSVH	27'	Y		4		SP2-WB-004	
9	1	2-EP-MCC-2H1-2N	Emergency MCC	Electrical Power	Cable Vault	15'	Y		1, 2, 3, 4, 5	Y	SP2-WB-006	1,2,3
10	1	2-EP-MCC-2K1	MCC for Chiller 4B	Electrical Power	ESGR	9'	Y		1, 2, 3, 4, 5		SP1-WB-009	1,2,3
11	2	2-RP-BKR-52-BYB	Rx Trip Breaker Bypass	Reactor Protection	Cable Spreading Room	45'	Y		1		SP2-WB-008	2
12	2	2-EP-LCC-2H	480V Emergency Bus	Electrical Power	ESGR	9'	Y		1,2,3,4,5		SP1-WB-009	2,3
13	2	2-EP-LCC-2H1	480V Emergency Bus	Electrical Power	ESGR	9'	Y		1, 2, 3, 4, 5		SP1-WB-009	2,3

Unit 2 Seismic Walkdown Equipment List (SWEL)												
Item #	Class	ID	Description	System	Location	Elevation	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
14	4	2-EP-TRAN-2J	4160-480V Service Transformer	Electrical Power	ESGR	9'	Y		1,2,3,4,5	Y	SP1-WB-009	1,2,3
15	4	2-EP-XFRM-2SVB1-2	480-120V Semi-Vital Bus	Electrical Power	ESGR	9'	N		1, 2, 3, 4, 5		SP1-WB-009	1,2,3
16	5	2-CH-P-1A	Charging Pump	CVCS	Auxiliary	2'	N		1, 2, 3		SP2-WB-010	2,3
17	5	1-CH-P-2C	Boric Acid Transfer Pump	CVCS	Auxiliary	13'	N		1		SP2-WB-011	2
18	5	2-FW-P-2	Steam Driven Aux Feed Pump	Auxiliary Feedwater	MSVH	27'	Y	Y	4		SP2-WB-004	2,3
19	5	2-FW-P-3A	Aux Feed Pump	Auxiliary Feedwater	MSVH	27'	Y		4		SP2-WB-004	2,3
20	5	2-CS-P-1A	CS Pump 1A	Containment Spray	CSPH	27'	Y		5		SP2-WB-041	2,3
21	5	2-FW-P-4A	Emergency Condensate Makeup Pump	Auxiliary Feedwater	CSPH	11'	Y		4		SP2-WB-013	2,3
22	5	1-CC-P-1C	CC Pump	Component Cooling	Auxiliary	2'	Y		4		SP1-WB-018	2,3
23	6	2-CC-P-2B	Charging Pump CC Pump	Component Cooling	Auxiliary	2'	Y		1, 2, 3		SP2-WB-019	2
24	6	2-SW-P-10A	Charging Pump SW Pump	Service Water	MER 4	9'	Y	Y	1, 2, 3		SP2-WB-014	2,3
25	6	2-RS-P-2A	Outside RS Pump	Recirculation Spray	Safeguards	12'	Y		4,5		SP2-WB-015	2
26	6	2-SI-P-1A	Safety Injection Pump	Safety Injection	Safeguards	12'	Y		3,4,5		SP2-WB-015	2
27	20	2-EP-PNL-ASP	AUX SHUTDOWN PANEL	Electrical Power	ESGR	9'	N		1, 2, 3, 4		SP1-WB-009	2
28	7	2-BD-TV-200A	S/G A Blowdown Containment Isolation	Steam Generator Blowdown	Containment	-3'	N		5		SP2-WB-023	1
29	7	2-FW-HCV-255A	FW/SG A FW BYPASS FLOW	Feedwater	MER 2	47'	N		4		SP2-WB-021	

Unit 2 Seismic Walkdown Equipment List (SWEL)												
Item #	Class	ID	Description	System	Location	Elevation	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
30	7	2-DA-TV-203A	DA/HRSS WASTE TK PUMP DISCH CIV	Dearated Drains	Auxiliary	2'	N		5		SP2-WB-019	
31	7	2-MS-PCV-202A	Terry Turbine PCV	Main Steam	MSVH	27'	N		4		SP2-WB-004	
32	7	2-LM-TV-200A	LM/CTMT LEAKAGE MONITORING HDR TRIP VALVE	Leakage Monitoring	Auxiliary	13'	N		5		SP2-WB-042	
33	7	2-FW-HCV-255C	FW/SG C FW BYPASS FLOW	Feedwater	MER 2	47'	N		4		SP2-WB-021	
34	7	2-MS-TV-220	Terry Turbine Steam Isolation	Main Steam	MSVH	27'	N		4		SP2-WB-004	
35	7	2-LM-TV-200C	LM/CTMT LEAKAGE MONITORING HDR TRIP VALVE	Leakage Monitoring	Auxiliary	13'	N		5		SP2-WB-042	
36	7	2-CV-TV-250A	Containment Vacuum Pump 1B Suction	Containment Vacuum	Auxiliary	2'	N		5		SP2-WB-019	
37	7	2-MS-TV-201A	MS Trip Valve	Main Steam	MSVH	40'	N		4		SP2-WB-020	
38	7	2-CC-TV-209B	RHR Outlet Trip Valve	Component Cooling	Auxiliary	2'	N	Y	4,5		SP2-WB-019	
39	7	2-FW-FCV-2478	Main Feed Reg Valve	Feedwater	MER 2	47'	N	Y	4		SP2-WB-021	
40	7	2-IA-PCV-201	PORV Backup Air	Instrument Air	Containment	47'	N		2, 3		SP2-WB-022	1
41	7	2-RC-PCV-2455C	Pressurize PORV	Reactor Coolant	Containment	47'	Y		2, 3		SP2-WB-022	1
42	7	2-DA-TV-200A	Containment Sump Dsch Trip Valve	Dearated Drains	Containment	-3'	N	Y	5		SP2-WB-023	1
43	8	2-CH-MOV-2267A	CH Pump Inlet Isolation	CVCS	Auxiliary	2'	N		1, 2, 3		SP2-WB-010	
44	8	2-CS-MOV-201A	CS Pump Dsch	Containment Spray	CSPH	11'	N		3		SP2-WB-013	

Unit 2 Seismic Walkdown Equipment List (SWEL)												
Item #	Class	ID	Description	System	Location	Elevation	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
45	8	2-CS-MOV-202A	Chemical Addition Tank Isolation	Containment Spray	CSPH	11'	N	Y	3		SP2-WB-013	
46	8	2-CW-MOV-200A	Condenser Outlet	Circulating Water	Turbine	9'	N		4		SP2-WB-024	
47	8	2-CW-MOV-206A	Condenser Inlet	Circulating Water	Turbine	9'	Y		4		SP2-WB-024	
48	8	2-CW-MOV-206C	Condenser Inlet	Circulating Water	Turbine	9'	Y		4		SP2-WB-024	
49	16	2-EP-UPS-2A-1	EE/UPS 2A1	Electrical Power	ESGR	9'	N		1,2,3,4,5		SP1-WB-009	1,2
50	8	2-SW-MOV-201A	BC Hx Isolation	Service Water	Turbine	9'	Y		4		SP2-WB-002	
51	10	2-VS-AC-6	ESGR Air Handler	Ventilation	ESGR	9'	Y		1,2,3,4,5		SP1-WB-009	1,2
52	10	2-VS-AC-7	ESGR Air Handler	Ventilation	ESGR	9'	Y		1,2,3,4,5		SP1-WB-009	1,2
53	8	2-CH-MOV-2275A	CH/CHARGING PUMP RECIRC	CVCS	Auxiliary	2'	N		1, 2, 3		SP2-WB-010	
54	8	2-CH-MOV-2286A	CH/CHARGING PUMP OUTLET TO CHARGING LINE	CVCS	Auxiliary	2'	N		1, 2, 3		SP2-WB-010	
55	8	2-CH-MOV-2289A	CH/CHARGING STOP VALVE	CVCS	Auxiliary	2'	N		1, 2, 3		SP2-WB-019	
56	8	2-CH-MOV-2289B	CH/CHARGING STOP VALVE	CVCS	Auxiliary	2'	N		1, 2, 3		SP2-WB-019	
57	8	2-FW-MOV-251B	AFW Header	Auxiliary Feedwater	Containment	47'	Y		4		SP2-WB-025	1
58	8	2-FW-MOV-251E	AFW Header	Auxiliary Feedwater	Containment	47'	Y		4		SP2-WB-025	1
59	8	2-SI-MOV-2865A	Accumulator Outlet	Safety Injection	Containment	-27'	N		2		SP2-WB-026	1
60	8	1-FW-MOV-160A	AFW Cross-Connect	Auxiliary Feedwater	MSVH	27'	N		4		SP2-WB-004	
61	8	2-SW-MOV-205A	RS Hx Isolation	Service Water	CSPH	11'	N		4		SP2-WB-013	

Unit 2 Seismic Walkdown Equipment List (SWEL)												
Item #	Class	ID	Description	System	Location	Elevation	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
62	11	2-CS-MR-1B	RWST Refrigeration Unit	Containment Spray	Yard	27'	N		3, 5		SP2-WB-028	2
63	12	2-EG-C-2	EDG Air Compressor	EDG	EDG 2 Room	27'	N		1, 2, 3, 4		SP2-WB-029	2,3
64	12	2-IA-C-1	Instrument Air Compressor	Instrument Air	Turbine	9'	N		4		SP2-WB-030	2,3
65	14	2-EP-DB-2-IA	EE/120V VITAL AC 2-IA BUS (RED)	Electrical Power	ESGR	9'	Y		1, 2, 3, 4, 5		SP1-WB-009	1,2,3
66	14	2-EP-DB-2SVB1	EE/120V SEMI-VITAL AC BUS	Electrical Power	Control Room	27'	N		1, 2, 3, 4, 5		SP2-WB-003	1,2,3
67	14	2-EPD-DCS-2A-SUB	EE/125V VITAL DC SUB PNL 2A	Electrical Power	ESGR	9'	N		1, 2, 3, 4, 5		SP1-WB-009	1,2,3
68	14	2-EP-LP-2S12	MCR Lighting Cabinet	Electrical Power	ESGR	9'	N		1, 2, 3, 4, 5		SP1-WB-009	2
69	15	2-EPD-B-2A	125V Battery	Electrical Power	Battery Room	9'	Y		1, 2, 3, 4, 5		SP2-WB-007	2,3
70	15	2-EPD-B-2B	125V Battery	Electrical Power	Battery Room	9'	Y		1, 2, 3, 4, 5		SP2-WB-040	2,3
71	15	2-EE-B-EG2	EDG Battery	EDG	EDG 2 Room	27'	Y		1, 2, 3, 4		SP2-WB-029	2,3
72	16	2-EP-UPS-2B-2	EE/UPS 2B2	Electrical Power	ESGR	9'	Y		1,2,3,4,5		SP1-WB-009	1,2,3
73	16	2-MS-BC-2	MSTV App R SOV Battery Charger	Main Steam	ESGR	9'	N		4		SP1-WB-009	1,2,3
74	17	2-EE-EG-1	Emergency Diesel Generator	EDG	EDG 2 Room	27'	Y		1, 2, 3, 4		SP2-WB-029	2,3
75	18	2-CC-PS-203	CH Pump CC Pressure Switch	Component Cooling	Auxiliary	2'	Y		1, 2, 3		SP2-WB-019	
76	18	2-CN-LT-200	ECST Level Transmitter	Auxiliary Feedwater	Yard	27'	Y		4		SP2-WB-031	
77	18	2-CC-FT-210A	CC/RHR HX OUTLET FLOW	Component Cooling	Auxiliary	2'	N		1, 2, 3		SP2-WB-019	2,3

Unit 2 Seismic Walkdown Equipment List (SWEL)												
Item #	Class	ID	Description	System	Location	Elevation	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
78	18	2-CS-LT-200B	RWST Level	Containment Spray	Yard	27'	N		3		SP2-WB-028	
79	18	2-MS-PT-2484	MS Pressure Transmitter	Main Steam	CSPH	11'	N		2,4,5		SP2-WB-013	2,3
80	18	2-MS-FT-200	MS Flow Transmitter	Main Steam	CSPH	27'	N		4		SP2-WB-041	2
81	18	2-MS-PT-201A	MS Pressure Transmitter	Main Steam	CSPH	11'	N		4		SP2-WB-013	2
82	18	2-RC-LT-2321	RVLIS B N-Range Level	Reactor Coolant	Auxiliary	13'	N		3		SP2-WB-011	2,3
83	18	2-SW-PS-7	CH Pump SW Pressure Switch	Service Water	MER 4	9'	Y		1, 2, 3		SP2-WB-014	
84	18	2-FW-FT-200A	AFW Flow Transmitter	Auxiliary Feedwater	Containment	18'	N		4		SP2-WB-036	1,2
85	18	2-IA-PS-203B	PORV Backup Air Pressure Switch	Instrument Air	Containment	47'	N		2, 3		SP2-WB-037	1,2
86	18	2-IA-PS-204B	PORV Backup Air Bottle Pressure Switch	Instrument Air	Containment	47'	N		2, 3		SP2-WB-037	1,2
87	19	2-CC-RTD-209B	RHR Hx Outlet Temp	Component Cooling	Auxiliary	2'	N		4		SP2-WB-019	
88	19	1-CH-TIC-1103	BAST A Temp	CVCS	Auxiliary	13'	N		1		SP2-WB-011	2,3
89	19	1-CH-TIC-1166	BAST B Temp	CVCS	Auxiliary	13'	N		1		SP2-WB-011	2,3
90	19	2-CS-RTD-200A	RWST Temp	Containment Spray	Yard	27'	N		3, 5		SP2-WB-028	
91	16	2-EE-BC-EG2	EDG 2 Battery Charger	EDG	EDG 2 Room	27'	Y		1, 2, 3, 4		SP2-WB-029	1,2,3
92	20	2-CW-PNL-1A	Canal Level Relay Panel	Circulating Water	ESGR	9'	Y		4		SP1-WB-009	1,2,3
93	18	2-MS-PT-2475	MS Pressure Transmitter	Main Steam	CSPH	11'	N		2,4,5		SP2-WB-013	2,3
94	20	2-RP-CAB-CHIB	REACTOR PROTECTION TRAIN B	Reactor Protection	ESGR	9'	N		1,2,3,4,5		SP1-WB-009	2

Unit 2 Seismic Walkdown Equipment List (SWEL)												
Item #	Class	ID	Description	System	Location	Elevation	Risk Significant (Y/N)	New or Replaced	Safety Functions	IPEEE Enhanced	Area Walkby	Notes
95	21	1-CC-E-1D	CC Heat Exchanger	Component Cooling	Turbine	9'	Y		4		SP1-WB-045	2,3
96	21	2-CN-TK-1	ECST	Auxiliary Feedwater	Yard	27'	Y		4		SP2-WB-031	2
97	21	2-CS-TK-2	Cuastic Storage Tank	Containment Spray	Yard	27'	Y		5		SP2-WB-028	2,3
98	21	2-FW-E-9	FW-P-2 Oil Cooler	Auxiliary Feedwater	MSVH	27'	Y		4		SP2-WB-004	2
99	21	2-EE-TK-3	EDG 2 FO Day Tank	EDG	EDG 2 Room	27'	Y		1, 2, 3, 4		SP2-WB-029	2
100	21	2-SI-TK-1C	SI Accumulator	Safety Injection	Containment	-27'	N		3,4		SP2-WB-026	1,2,3

Notes

- 1. Not sufficiently accessible to complete the walkdown inspection. To be inspected when accessible.
- 2. Has anchorage
- 3. Detailed anchorage inspection to be performed

5 Safety Functions

- 1. Reactor reactivity control
- 2. Reactor coolant pressure control
- 3. Reactor coolant inventory control
- 4. Decay heat removal
- 5. Containment function

7. Unit 2 Summary Tables

UNIT 2 SWEL Equipment Class Summary

GIP Class	Class Title	Items
0	Miscellaneous	4
1	Motor Control Centers	3
2	Low Voltage Switchgear	4
3	Medium Voltage Switchgear	1
4	Transformers	2
5	Horizontal Pumps	7
6	Vertical Pumps	4
7	Fluid Operated Valves	15
8	Motor Operated Valves, Solenoid Operated Valves	16
9	Fans	0
10	Air Handlers	2
11	Chillers	1
12	Air Compressors	2
13	Motor Generators	0
14	Distribution Panels	4
15	Batteries on Racks	3
16	Battery Chargers and Inverters	4
17	Engine Generators	1
18	Instruments on Racks	13
19	Temperature Sensors	4
20	Instrumentation and Control Panels and Racks	3
21	Tanks and Heat Exchangers (GIP Section 7)	7
	Total	100

UNIT 2 SWEL Location Summary

Building	Elevation	Items
Auxiliary	2	15
Auxiliary	13	7
Battery Room	9	2
Cable Spreading Room	45	1
Cable Vault	15	1
Containment	-27	2
Containment	-3	2
Containment	18	1
Containment	47	6
Control Room	27	1
CSPH	11	7
CSPH	27	2
EDG Room	27	6
ESGR	9	18
MER 2	47	3
MER 4	9	2
MSVH	27	8
MSVH	40	1
Safeguards	12	2
Turbine	9	7
Yard	27	6
TOTAL		100

Unit 2 SWEL System Summary

System	Items
Auxiliary Feedwater	11
Circulating Water	4
Component Cooling	7
Containment Spray	7
Containment Vacuum	1
CVCS	10
Deaerated Drains	2
EDG	5
Electrical Power	18
Feedwater	3
Instrument Air	4
Leakage Monitoring	2
Main Steam	9
Reactor Coolant	2
Reactor Protection	2
Recirculation Spray	1
Safety Injection	3
Service Water	5
Steam Generator Blowdown	1
Ventilation	3
TOTAL	100

8. Unit 1 Area Walk-by List

Unit 1 Area Walk-by List

Area Number	Area Description	Notes
1	EDG 1 Room	
2	U1 CH Pump Cubicle C	
3	MER 3	
4	U1 TB 9' - CC SW Valve Pit	
5	Not Used	
6	U1 AFW Pump Area	
7	Not Used	
8	U1 Cable Vault	
9	U1/U2 ESGR (incl Relay Rooms)	
10	MER 5	
11	U1 Cable Spreading Room - RTB Cubicle	
12	U1 MCR	
13	U1 AB 27'	
14	U1 CH Pump Cubicle A	
15	U1 FOPH	
16	Not Used	
17	U1 CSPH 11'	
18	AB 2' (CC Pump Area)	
19	Fire Pump House	
20	U1 AB 2'	
21	ESPH	
22	U1 RS/SI Pump Area	
23	Not Used	
24	U1 MSVH 40'	
25	Not Used	
26	MER 1	
27	U1 Cont 47' (PRZ Cubicle)	1
28	U1 Cont -3'	1
29	Not Used	
30	U1 TB 9' - Condenser Area	
31	U1 TB 9' - BC SW Valve Pit	
32	U1 Cont -27'	1
33	U1 Cont 47' (at Personnel Hatch Area)	1
34	U1 AB 47'	
35	U1 RWST Area	

Unit 1 Area Walk-by List

Area Number	Area Description	Notes
36	Not Used	
37	Not Used	
38	U1 MCR Computer Room	
39	U1 ESGR - near 1-VS-AC-7	
40	U1 MCR AC Room	
41	U1 ECST Area	
42	U1 AB 13'	
43	U1 Cont 18'	1
44	U1 Cont 47' (PORV Area)	1
45	CC HX Area	
46	Not Used	
47	U1 Battery Room A	
48	U1 CSPH 27'	

Note

1. Walk-by not completed - associated SWEL items inaccessible during normal plant operations.

9. Unit 2 Area Walk-by List

Unit 2 Area Walk-by List

Area Number	Area Description	Notes
1	U2 CH Pump Cubicle C	
2	U2 TB 9' - BC SW Valve Pit	
3	U2 MCR	1
4	U2 AFW Pump Area	
5	Not Used	
6	U2 Cable Vault	
7	U2 Battery Room A	
8	U2 Cable Spreading Room - RTB Cubicle	
9	Not Used	
10	U2 CH Pump Cubicle A	
11	U2 AB 13' - BAST Area	
12	Not Used	
13	U2 CSPH 11'	
14	MER 4	
15	U2 RS/SI Pump Area	
16	Not Used	
17	Not Used	
18	Not Used	
19	U2 AB 2'	
20	U2 MSVH 40'	
21	MER 2	
22	U2 Cont 47' (PRZ Cubicle)	1
23	U2 Cont -3'	1
24	U2 TB 9' - Condenser Area	
25	U2 Cont 47' (at Personnel Hatch Area)	1
26	U2 Cont -27'	1
27	Not Used	
28	U2 RWST Area	
29	EDG 2 Room	
30	U2 TB 9' - IA Compressor Area	
31	U2 ECST Area	
32	Not Used	
33	Not Used	
34	Not Used	
35	Not Used	

Unit 2 Area Walk-by List

Area Number	Area Description	Notes
36	U2 Cont 18'	1
37	U2 Cont 47' (PORV Area)	1
38	SFP Cooler Area	
39	Not Used	
40	U2 Battery Room B	
41	U2 CSPH 27'	
42	U2 AB 13'	

Note

1. Walk-by not completed - associated SWEL items inaccessible during normal plant operations.

Appendix C

Unit 1 Seismic Walkdown Checklists

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-002

AWC # SP1-WB-002

Status Y N U

Equipment ID No. 1-VS-MOD-101C Equip. Class 0

Equipment Description CHARGING PUMP CUBICLE EXHAUST DAMPER

Location: Bldg. AUX Floor El. 2' Room, Area CP CUB

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-002

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

None

Evaluated by: William Gallagher, Sr.  Date: 8/23/2012

Evaluated by: Ellery Baker  Date: 8/23/2012

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-003

AWC # SP1-WB-003

Status Y N U

Equipment ID No. 1-VS-S-1B Equip. Class 0

Equipment Description SELF CLEANING STRAINER

Location: Bldg. SERVICE Floor El. 9' Room, Area MER 3

Manufacturer, Model, Etc. (optional but recommended) KINNEY, SP, ENGINEERS INC

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
Minor corrosion on anchor bolts and pedestal → not a seismic concern

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U
NW anchor bolt less than full engagement (~1 thread short) → not a seismic concern

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-003

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
Overhead fluorescent lights → previously evaluated by USI-A-46/IPEEE, therefore, no seismic concerns.

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Spalling on three corners (NW, SW, SE) → strainer is anchored by (4) 5/8" 0 bolts that are doveled into the floor slab, therefore, no seismic concerns but should be fixed. CR 486517 submitted.

Evaluated by: David Germano  Date: 8/29/2012

Evaluated by: Larry Cullivan  Date: 8/29/2012

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-004

AWC # SP1-WB-031

Status Y N U

Equipment ID No. 1-SW-REJ-101A Equip. Class 0

Equipment Description MOV-101A OUTLET

Location: Bldg. TURBINE Floor El. 9' Room, Area TURBINE

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
Note: mild surface corrosion generally noted on all tension connection all thread and nuts.

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-004

Interaction Effects


- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U


Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Reference Drawing 11448-FC-2C

Evaluated by: Tim Wattleworth  Date: 8/21/12

Evaluated by: Matthew Winter  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-005

AWC # SP1-WB-004

Status Y N U

Equipment ID No. 1-SW-REJ-102A Equip. Class 0

Equipment Description CC HX INLET HEADER

Location: Bldg. TURBINE Floor El. 9' Room, Area TURBINE

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
Note: all thread stud tension members do have minor corrosion.

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-005

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Drawing 11448-FC-2R

Evaluated by: Tim Wattleworth *Matt W* for T.W. per telecom Date: 8/24/12

Evaluated by: Matthew Winter *Matt W* Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-006

AWC # SP1-WB-010

Status Y N U

Equipment ID No. 1-VS-AC-219 Equip. Class 10

Equipment Description MER5 AIR HANDLER

Location: Bldg. TURB Floor El. 9' Room, Area MER5

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
Anchored by tube steel, welded to embedded plates

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-006

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

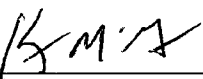
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/23/12

Evaluated by: Kevin McGuire  Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-007

AWC # SP1-WB-006

Status Y N U

Equipment ID No. 1-FW-T-2 Equip. Class 0

Equipment Description TERRY TURBINE

Location: Bldg. MSVH Floor El. 27' Room, Area AFW Pump Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Consistent with VTM Drawing V-46HMTA86X4-A.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-007

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/23/12

Evaluated by: William Gallagher, Sr.

Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-008

AWC # SP1-WB-010

Status Y N U

Equipment ID No. 1-VS-AC-222 Equip. Class 10

Equipment Description MER 5 AIR HANDLER

Location: Bldg. TURB Floor El. 9' Room, Area MER5

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
Anchored by tube steel, welded to embedded plates

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-008


Interaction Effects


7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/23/12

Evaluated by: Kevin McGuire  Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-009

AWC # SP1-WB-006

Status Y N U

Equipment ID No. 1-MS-GOV-005 Equip. Class 0

Equipment Description TERRY TURBINE GOVERNOR VALVE

Location: Bldg. MSVH Floor El. 27' Room, Area AFW Pump Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-009

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

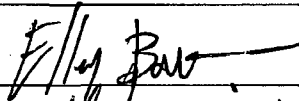
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

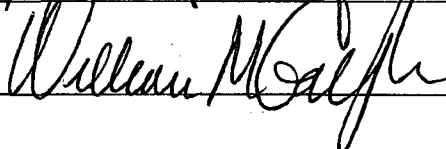
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/21/12

Evaluated by: William Gallagher, Sr.



Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-013

AWC # SP1-WB-011

Status Y N U

Equipment ID No. 1-RP-BKR-52-BYB Equip. Class 2

Equipment Description RX TRIP BREAKER BYPASS

Location: Bldg. SERVICE Floor El. 45' Room, Area CABLE SPREADING ROOM (RTB CUBICLE Only)

Manufacturer, Model, Etc. (optional but recommended) WESTINGHOUSE

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-013

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
Fluorescent lighting above cabinet to the east and west. Fluorescent lighting was addressed during USI A-U6/IPEEE and determined not to be a seismic concern.


- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

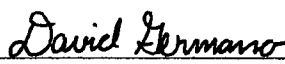
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez  Date: 8/22/2012

Evaluated by: David Germano  Date: 8/22/2012

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-014

AWC # SP1-WB-009

Status Y N U

Equipment ID No. 1-EP-LCC-1H Equip. Class 2

Equipment Description 480V EMERGENCY BUS

Location: Bldg. SERVICE Floor El. 9'-6" Room, Area ESGR

Manufacturer, Model, Etc. (optional but recommended) ITE

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-014

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

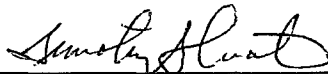
Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

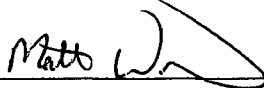
CR 485666: 1-EP-LCC-1H → 1-EP-BRR-15H7, 1 penetration not fully sealed
 CR 485670: cabinet block out blank cover for 1-EP-CUB-14H-6 missing 2 bolts

Evaluated by: *Tim Wattleworth*



Date: *8/22/12*

Evaluated by: *Matthew Winter*



Date: *8/22/12*

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-015

AWC # SP1-WB-009

Status Y N U

Equipment ID No. 1-EP-LCC-1H1 Equip. Class 2

Equipment Description 480V EMERGENCY BUS

Location: Bldg. SERVICE Floor El. 9'-6" Room, Area ESGR

Manufacturer, Model, Etc. (optional but recommended) ITE

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-015

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

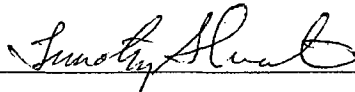
Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

Comments (Additional pages may be added as necessary)

Cabinets are bolted together.

Evaluated by: Tim Wattleworth



Date: 8/22/12

Evaluated by: Matthew Winter



Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-016

AWC # SP1-WB-009

Status Y N U

Equipment ID No. 1-EP-BKR-15J9 Equip. Class 3

Equipment Description STUB BUS TIE BREAKER

Location: Bldg. SERVICE Floor El. 9' Room, Area ESGR

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
-Plug welds used. Four plug welds for 15J9 cabinet. Four plug welds for 15J10 and 15J11 cabinet were also inspected.

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-016

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
 1) *3" clear of 1J1 load center to the west, acceptable.*
 2) *Junction box on east side of panel close to wall mounted cable tray on east wall (1/2" clearance), judged acceptable since cable tray will have minimal displacement and will not interact.*
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
 1) *Fluorescent lights on north and south side. Fluorescent lights were evaluated during USI A-46/ IPEEE and concluded not to be a seismic concern.*
 2) *Threaded rod overhead on South side appears bent to clear interferences. Conduits supported adequately despite this condition.*
 3) *Cable duct between 1J1 stub bus tie breaker and normal feed 1J is supported with threaded rods and approximately mid span. Welded angle lug on west side of duct not used.*
 4) *Adjacent stub bus cabinets were bolted together.*
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez  Date: 8/28/12

Evaluated by: David Germano  Date: 8/28/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-020

AWC # SP1-WB-014

Status Y N U

Equipment ID No. 1-CH-P-1A Equip. Class 5

Equipment Description CHARGING PUMP

Location: Bldg. AUX Floor El. 2' Room, Area J/9

Manufacturer, Model, Etc. (optional but recommended) WESTINGHOUSE

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-020

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

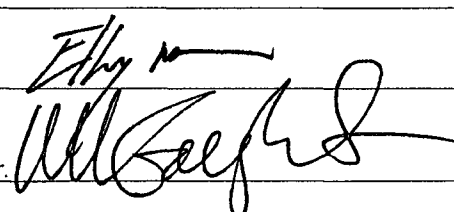
Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Conduit at temperature instrument 01-CH-TE-108A at bearing East side. Flex out of conduit adapter and 3/4" conduit not attached to supports. CR 485989 submitted.

Evaluated by: Ellery Baker



Date: 8/23/12

Evaluated by: William Gallagher, Sr.

Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-021

AWC # SP1-WB-015

Status Y N U

Equipment ID No. 1-EE-P-1C Equip. Class 5

Equipment Description EDG 3 FO TRANSFER PUMP

Location: Bldg. FOPH Floor El. 16' Room, Area FOPH

Manufacturer, Model, Etc. (optional but recommended) SIER – BATH PUMPS/DRESSER PUMP

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Drawing 11448-FC-29J Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-021

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

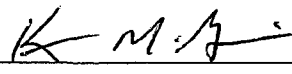
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/22/12

Evaluated by: Kevin McGuire  Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-022

AWC # SP1-WB-048

Status Y N U

Equipment ID No. 1-CS-P-1A Equip. Class 5

Equipment Description CONTAINMENT SPRAY PUMP

Location: Bldg. CSPH Floor El. 27' Room, Area CSPH

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Drawing 11448-FC-19C
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-022

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/22/12

Evaluated by: Kevin McGuire  Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-023

AWC # SP1-WB-006

Status Y N U

Equipment ID No. 1-FW-P-2 Equip. Class 5

Equipment Description STEAM DRIVEN AUX FEED PUMP

Location: Bldg. MSVH Floor El. 27'-6" Room, Area AFW Pump Area

Manufacturer, Model, Etc. (optional but recommended) INGERSOLL – RAND, 4HMTA-6

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Reference: VTM Drawing V-46HMTA86X4-A Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-023

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

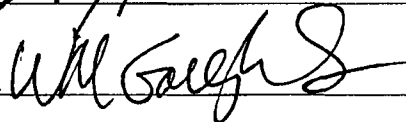
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/21/12

Evaluated by: William Gallagher, Sr.



Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-024

AWC # SP1-WB-017

Status Y N U

Equipment ID No. 1-FW-P-4A Equip. Class 5

Equipment Description EMERGENCY COND MAKEUP PUMP

Location: Bldg. CSPH Floor El. 11' Room, Area

Manufacturer, Model, Etc. (optional but recommended) GOULDS PUMPS INC. 3196XLT, 6XB-13

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-024

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan



Date: 8/22/12

Evaluated by: Kevin McGuire



Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-025

AWC # SP1-WB-018

Status Y N U

Equipment ID No. 1-CC-P-1A Equip. Class 5

Equipment Description CC PUMP

Location: Bldg. AUX Floor El. 2' Room, Area G/9

Manufacturer, Model, Etc. (optional but recommended) DE LAVAL TURBINE INC.

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-025

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

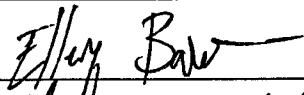
Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

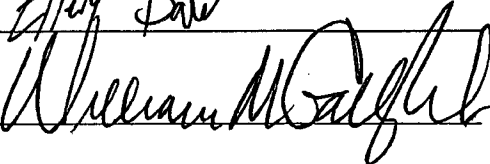
East end of pump: Bearing temperature indicator conduit is missing Unistrut clamp. Not a seismic concern, but should be corrected. Submitted CR 485686.

Evaluated by: Ellery Baker



Date: 8/22/12

Evaluated by: William Gallagher, Sr.



Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-026

AWC # SP1-WB-019

Status Y N U

Equipment ID No. 1-FP-P-2 Equip. Class 5

Equipment Description DIESEL FIRE PUMP

Location: Bldg. FPH Floor El. 27' Room, Area FIRE PUMP HOUSE

Manufacturer, Model, Etc. (optional but recommended) CUMMINGS ENGINE CO

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Drawing 11448-FC-36A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-026

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

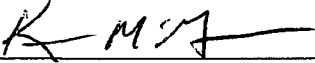
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/22/12

Evaluated by: Kevin McGuire  Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-027

AWC # SP1-WB-020

Status: Y N U

Equipment ID No. 1-CC-P-2A Equip. Class 6

Equipment Description CHARGING PUMP CC PUMP

Location: Bldg. AUX Floor El. 2' Room, Area J/8.1

Manufacturer, Model, Etc. (optional but recommended) GOULDS PUMP INC. 3446ST

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-027

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A


- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

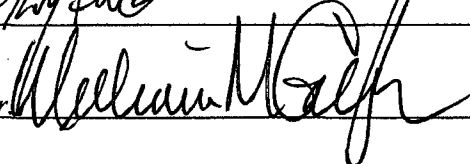
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker  Date: 8/22/12

Evaluated by: William Gallagher, Sr.  Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-028

AWC # SP2-WB-014

Status Y N U

Equipment ID No. 1-SW-P-10A Equip. Class 6

Equipment Description CHARGING PUMP SW PUMP

Location: Bldg. SERVICE Floor El. 9' Room, Area

Manufacturer, Model, Etc. (optional but recommended) GOULD

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Consistent with USI A-46 SEWS and 11448-PSSK-1021A36.131

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-028

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Pump base has mild corrosion → not a seismic concern.

Evaluated by: Larry Cullivan  Date: 8/29/12

Evaluated by: David Germano  Date: 8/29/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-029

AWC # SP1-WB-021

Status Y N U

Equipment ID No. 1-SW-P-1C Equip. Class 6

Equipment Description EMERGENCY SW PUMP

Location: Bldg. ESPH Floor El. 18' Room, Area ESW PUMP

Manufacturer, Model, Etc. (optional but recommended) SULZER BINGHAM, VLTM, 45 FTTHO

Instructions for Completing Checklist

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Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
Noted lack of thread engagement at westernmost two of four anchors. Lacking 1 - 1 1/2 threads. Found to be acceptable. Note these are 1 1/4" anchors vs 1" anchors at 1A/B pumps.

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
*Consistent with USI A-46 SEWS
 Drawing 11448-FC-9H/9M*

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-029

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/27/12

Evaluated by: Matthew Winter



Date: 8/27/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-030

AWC # SP1-WB-022

Status Y N U

Equipment ID No. 1-RS-P-2A Equip. Class 6

Equipment Description OUTSIDE RS PUMP

Location: Bldg. SFGD Floor El. 12' Room, Area RS/SI Pump Area

Manufacturer, Model, Etc. (optional but recommended) SULZER BINGHAM 10 x 18B J-VCR, AH

Instructions for Completing Checklist

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Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U
Pump supports are bedded (not friction sliding) to Reactor Containment wall support.

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-030

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

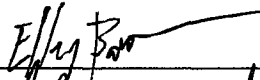
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

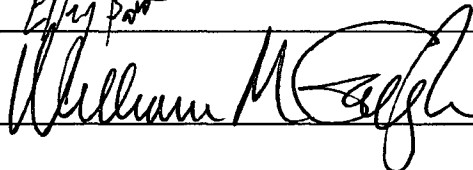
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/22/12

Evaluated by: William Gallagher, Sr.



Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-031

AWC # SP1-WB-022

Status Y N U

Equipment ID No. 1-SI-P-1A Equip. Class 6

Equipment Description SAFETY INJECTION PUMP

Location: Bldg. SFGD Floor El. 12' Room, Area RS/SI Pump Area

Manufacturer, Model, Etc. (optional but recommended) BYRON JACKSON PUMP, TURBINE PUMP

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-031

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

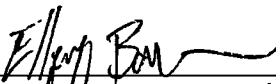
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

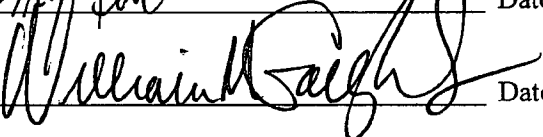
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker  Date: 8/22/12

Evaluated by: William Gallagher, Sr.  Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-032

AWC # SP1-WB-010

Status Y N U

Equipment ID No. 1-VS-P-1D Equip. Class 6

Equipment Description SERVICE WATER PUMP

Location: Bldg. TURB Floor El. 10' Room, Area MER 5

Manufacturer, Model, Etc. (optional but recommended) GOULD

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-032

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

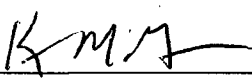
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/23/12

Evaluated by: Kevin McGuire  Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-033

AWC # SP1-WB-026

Status Y N U

Equipment ID No. 1-FW-HCV-155A Equip. Class 07

Equipment Description FW/SG A FW BYP FLOW

Location: Bldg. SERV Floor El. 42' Room, Area MER-1

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-033

Interaction Effects

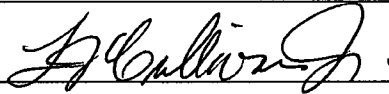
7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

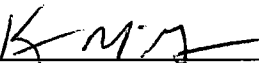
Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan



Date: 8/23/12

Evaluated by: Kevin McGuire



Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-034

AWC # SP1-WB-006

Status Y N U

Equipment ID No. 1-MS-PCV-102A Equip. Class 7

Equipment Description TERRY TURBINE PCV

Location: Bldg. MSVH Floor El. 27' Room, Area AFW Pump Area

Manufacturer, Model, Etc. (optional but recommended) FISHER CONTROLS INTERNATIONAL

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-034

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A


- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

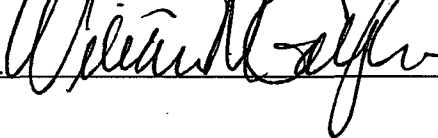
Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker





Date: 8/21/12

Evaluated by: William Gallagher, Sr.

Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-035

AWC # SP1-WB-020

Status Y N U

Equipment ID No. 1-DA-TV-103A Equip. Class 07

Equipment Description OUTSIDE CONTAINMENT RET HDR TV

Location: Bldg. AUX Floor El. 2' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-035

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

Comments (Additional pages may be added as necessary)

Evaluated by: William Gallagher, Sr.  Date: 8/27/12

Evaluated by: Ellery Baker  Date: 8/27/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-036

AWC # SP1-WB-042

Status Y N U

Equipment ID No. 1-LM-TV-100A Equip. Class 07

Equipment Description LM/LMC TAP 3 & 6 BAROMETER SUP TRIP VALVE

Location: Bldg. AUX Floor El. 13' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-036

Interaction Effects

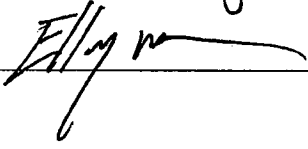
7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: William Gallagher, Sr.  Date: 8/24/12

Evaluated by: Ellery Baker  Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-037

AWC # SP1-WB-024

Status Y N U

Equipment ID No. 1-MS-TV-101A Equip. Class 7

Equipment Description MS TRIP VALVE

Location: Bldg. MSVH Floor El. 40' Room, Area GA/5.6

Manufacturer, Model, Etc. (optional but recommended) SHUTTE & KOERTING CO.

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-037

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

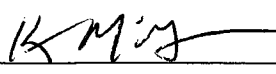
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/23/12

Evaluated by: Kevin McGuire  Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-038

AWC # SP1-WB-006

Status Y N U

Equipment ID No. 1-MS-TV-120 Equip. Class 7

Equipment Description TERRY TURBINE STEAM ISOLATION

Location: Bldg. MSVH Floor El. 27' Room, Area AFW Pump Area

Manufacturer, Model, Etc. (optional but recommended) GIMPEL GROUP, P3435

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-038

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

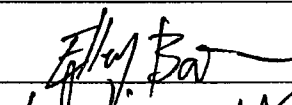
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

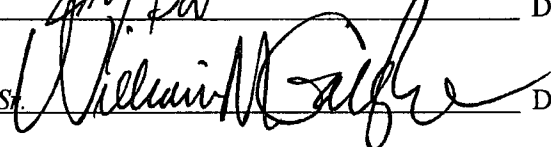
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/21/12

Evaluated by: William Gallagher, Sr.



Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-039

AWC # SP1-WB-042

Status Y N U

Equipment ID No. 1-LM-TV-100C Equip. Class 07

Equipment Description LM/LMC TAP 1 & 8 BAROMETER SUP TRIP VALVE

Location: Bldg. AUX Floor El. 13' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-039

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: William Gallagher, Sr.  Date: 8/24/12

Evaluated by: Ellery Baker  Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-040

AWC # SP1-WB-020

Status Y N U

Equipment ID No. 1-CV-TV-150A Equip. Class 7

Equipment Description CONT VACUUM PUMP 1B SUCTION

Location: Bldg. AUX Floor El. 2' Room, Area PENETRATION AREA

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-040

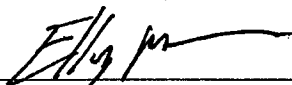
Interaction Effects

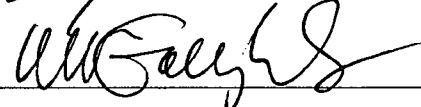
7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker  Date: 8/22/12

Evaluated by: William Gallagher, Sr.  Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-041

AWC # SP1-WB-020

Status Y N U

Equipment ID No. 1-CC-TV-109B Equip. Class 7

Equipment Description RHR OUTLET TRIP VALVE

Location: Bldg. AUX Floor El. 2' Room, Area K/7.4

Manufacturer, Model, Etc. (optional but recommended) FISHER CONTROLS INTERNATIONAL

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-041

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

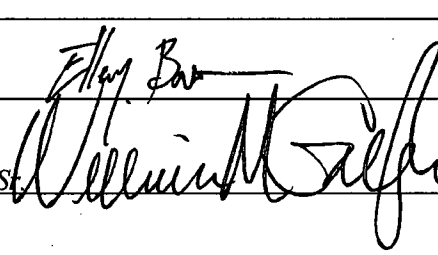
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/22/12

Evaluated by: William Gallagher, Sr.

Date: 8/22/12



Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-042

AWC # SP1-WB-026

Status Y N U

Equipment ID No. 1-FW-FCV-1488 Equip. Class 7

Equipment Description MAIN FEED REG VALVE

Location: Bldg. SERVICE Floor El. 42' Room, Area MER 1

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-042

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/23/12

Evaluated by: Kevin McGuire  Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-046

AWC # SP1-WB-017

Status Y N U

Equipment ID No. 1-CS-MOV-101A Equip. Class 8

Equipment Description CS PUMP DSCH

Location: Bldg. CSPH Floor El. 11' Room, Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-046


Interaction Effects

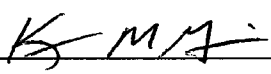
- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/22/12

Evaluated by: Kevin McGuire  Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-047

AWC # SP1-WB-017

Status Y N U

Equipment ID No. 1-CS-MOV-102A Equip. Class 8

Equipment Description CHEMICAL ADDITION TANK ISOLATION

Location: Bldg. CSPH Floor El. 11' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-047

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

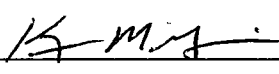
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/22/12

Evaluated by: Kevin McGuire  Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-048

AWC # SP1-WB-030

Status Y N U

Equipment ID No. 1-CW-MOV-100A Equip. Class 8

Equipment Description CONDENSER OUTLET

Location: Bldg. TURB Floor El. 9' Room, Area Condenser Area

Manufacturer, Model, Etc. (optional but recommended) PRATT, HENRY, CO. XR-70 96IN

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-048

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

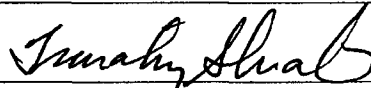
Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

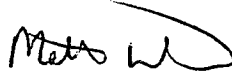
*SEWS
Drawing 11448-FC-2J*

Evaluated by: *Tim Wattleworth*



Date: *8/21/12*

Evaluated by: *Matthew Winter*



Date: *8/21/12*

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-049

AWC # SP1-WB-030

Status Y N U

Equipment ID No. 1-CW-MOV-106A Equip. Class 8

Equipment Description CONDENSER INLET

Location: Bldg. TURB Floor El. 9' Room, Area Condenser Area

Manufacturer, Model, Etc. (optional but recommended) PRATT, HENRY, CO. XR-70 96IN

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
Note: mild surface corrosion on tension connection all thread bolts

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U
CR 485421 – valve actuator to valve bonnet loose, retorque, no seismic challenge

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-049

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
*Note: condenser inlet 1A CW Inlet RTD-100A is missing a clip
CR 485699 – 38-01-CW-37 condenser inlet 1A tube run poorly supported
CR 485704 – conduit support clip for 38-01-CW-RTD-100A is missing*

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

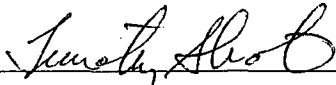
Other Adverse Conditions

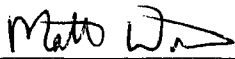
- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

CR 485562- stuffing box gland follower loose drip water at bottom of 1A, note also at 1C

*Consistent with USI A-46 SEWS
Drawing 11448-FC-2F*

Evaluated by: Tim Wattleworth  Date: 8/21/12

Evaluated by: Matthew Winter  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-050

AWC # SP1-WB-030

Status Y N U

Equipment ID No. 1-CW-MOV-106C Equip. Class 8

Equipment Description CONDENSER INLET

Location: Bldg. TURB Floor El. 9' Room, Area Condenser Area

Manufacturer, Model, Etc. (optional but recommended) PRATT, HENRY, CO. XR-70 96IN

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
Note: some mild surface corrosion on approximately 30% of tension connection all-thread steel studs and nuts.

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-050

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
-CR 485543 for conduit for 1-CW-RTD-100D needs to be supported at west end 1D waterbox access platform.
-CR 485711 – condenser inlet 1D tube run to 38-01-CW-24 is missing support.
-CR 485746 – CW-RTD-100C conduit support clip is missing.
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

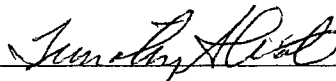
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

CR 485536 to note SW-MOV-106C (and 106A) stem packing collar bolts, 2 each at approximately 3/4" lock washer loose

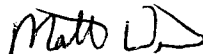
*Consistent with USI A-46 SEWS
 Drawing 11448-FC-2F*

Evaluated by: Tim Wattleworth



Date: 8/21/12

Evaluated by: Matthew Winter



Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-051

AWC # SP1-WB-031

Status Y N U

Equipment ID No. 1-SW-MOV-101A Equip. Class 8

Equipment Description BC HX ISOLATION

Location: Bldg. TURB Floor El. 9' Room, Area Valve Pit

Manufacturer, Model, Etc. (optional but recommended) PRATT, HENRY, CO. XR-70 36IN

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
Note: Mild surface corrosion generally noted on all tension connection all-thread and nuts.

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-051

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

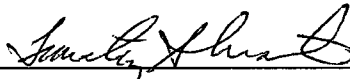
Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Reference: Drawing 11448-FC-2C
SEWS

Evaluated by: Tim Wattleworth



Date: 8/21/12

Evaluated by: Matthew Winter



Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-052

AWC # SP1-WB-014

Status Y N U

Equipment ID No. 1-CH-MOV-1267A Equip. Class 8

Equipment Description CH/CHARGING PUMP INLET ISOL

Location: Bldg. AUX Floor El. 2' Room, Area "A" CHARGING PUMP CUBICLE

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-052

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

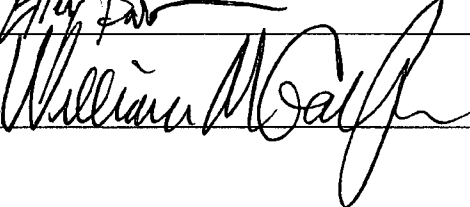
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/23/12

Evaluated by: William Gallagher, Sr



Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-053

AWC # SP1-WB-014

Status Y N U

Equipment ID No. 1-CH-MOV-1275A Equip. Class 8

Equipment Description CH/CHARGING PUMP RECIRC

Location: Bldg. AUX Floor El. 2' Room, Area "A" CHARGING PUMP CUBICLE

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-053

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/23/12

Evaluated by: William Gallagher, Sr

Date: 8/23/12

The image shows two handwritten signatures in black ink. The first signature, 'Ellery Baker', is written over the name 'Ellery Baker' in the signature line. The second signature, 'William Gallagher, Sr', is written over the name 'William Gallagher, Sr' in the signature line. Both signatures are cursive and clearly legible.

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-057

AWC # SP1-WB-034

Status Y N U

Equipment ID No. 1-VS-F-58A Equip. Class 9

Equipment Description FILTER 3A EXHAUST FAN

Location: Bldg. AUX Floor El. 47' Room, Area J/10

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Drawing 11448-FC-24GG Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-057

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan *L. Cullivan* Date: 8/24/12

Evaluated by: Kevin McGuire *K. McGuire* Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-058

AWC # SP1-WB-034

Status Y N U

Equipment ID No. 1-VS-F-58B Equip. Class 9

Equipment Description FILTER 3B EXHAUST FAN

Location: Bldg. AUX Floor El. 47' Room, Area J/10

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Drawing 11448-FC-24GG Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-058

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

~~9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A~~


10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/24/12

Evaluated by: Kevin McGuire  Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-061

AWC # SP1-WB-035

Status Y N U

Equipment ID No. 1-CS-MR-1B Equip. Class 11

Equipment Description RWST REFRIGERATOR UNIT

Location: Bldg. YARD Floor El. 27' Room, Area

Manufacturer, Model, Etc. (optional but recommended) DRAKE INDUSTRIES INC., 20A0CS10

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-061

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A


- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/21/12

Evaluated by: Kevin McGuire  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-062

AWC # SP1-WB-003

Status Y N U

Equipment ID No. 1-VS-E-4B Equip. Class 11

Equipment Description CHILLER

Location: Bldg. SERVICE Floor El. 9'-6" Room, Area MER 3

Manufacturer, Model, Etc. (optional but recommended) WESTINGHOUSE PANEL, MCOUAY
CONDENSER, EAST COAST COMPRESSOR

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Consistent with USI A-46 SEWS and calc. no. 01039.4610-NPB-022-XE

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-062

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?
Fluorescent lights overhead not a seismic concern per USI A-46. Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A


- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/29/2012

Evaluated by: David Germano  Date: 8/29/2012

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-063

AWC # SP1-WB-010

Status Y N U

Equipment ID No. 1-VS-E-4E Equip. Class 11

Equipment Description MCR/ESGR CHILLER

Location: Bldg. TURB Floor El. 9'-6" Room, Area MER5

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Drawing 11548-FC-6F

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-063

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A


- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

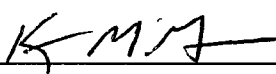
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/23/12

Evaluated by: Kevin McGuire  Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-064

AWC # SP1-WB-001

Status Y N U

Equipment ID No. 1-EG-C-2 Equip. Class 12

Equipment Description EDG AIR COMPRESSOR No. 2

Location: Bldg. SERVICE Floor El. 27' Room, Area EDG 1 ROOM

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with Drawing: 11448-1.30-104A Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-064

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
 - 1) *After cooler 1-EG-E-7 well supported. Installed DCP 04-013*
 - 2) *Overhead steam line to space heater is rod hung → adequate to restrain line during seismic event*

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
 - Large overhead light secured Unistrut that is rod hung. Acceptable.*

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez



Date: 8/21/12

Evaluated by: David Germano



Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-065

AWC # SP2-WB-030

Status Y N U

Equipment ID No. 1-IA-C-1 Equip. Class 12

Equipment Description INSTRUMENT AIR COMPRESSOR

Location: Bldg. TURB Floor El. 9' Room, Area TURBINE

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Per Drawing 11548-FC-6A. (Note: 1-IA-C-1 is on Unit 2 side)

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-065

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
CR 486192 – tubing run from compressor outlet vertically and west is not securely supported, has loose and missing nuts on supports. This was determined not to be a seismic concern.

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Tim Wattleworth *Math W. for T.W. per telecon* Date: 8/24/12

Evaluated by: Matthew Winter *Math W.* Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-069

AWC # SP1-WB-038

Status Y N U

Equipment ID No. 1-EPD-LP-1EC1 Equip. Class 14

Equipment Description EMERGENCY LIGHTING PANEL

Location: Bldg. SERVICE Floor El. 27' Room, Area MCR COMPUTER ROOM #1

Manufacturer, Model, Etc. (optional but recommended) SQUARE D - CAT NO. NA 1B-9-7596-1C

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
 - Four anchors to Unistrut viewed from inside cabinet
 - Could not view inside Unistrut since ends are capped
 - Tug-tested satisfactorily

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A

(Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-069

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
Approximately 1/2" clear of block wall support column to South side of panel. Acceptable based on judgment of both SWEs.

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
-Block wall panel mounted to is reinforced.
-Drop ceiling panels in overhead. This equipment is classified as NSQ and non-seismic (see note below); therefore, it is not a sensitive target.

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
Small crack (<0.04") in grouted conduit penetration through the floor. Not a seismic concern.

Comments (Additional pages may be added as necessary)

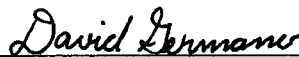
Note: this component is classified in EDS as NSQ but non-seismic; however, it was included within the scope of USI A-46 and a SEWS package was prepared that indicates that the panel is adequately mounted for seismic.

Evaluated by: Daniel J. Vasquez



Date: 8/23/12

Evaluated by: David Germano



Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-070

AWC # SP1-WB-021

Status Y N U

Equipment ID No. 1-SW-B-1C Equip. Class 15

Equipment Description EMERGENCY SW PUMP BATTERY

Location: Bldg. ESW Floor El. 18' Room, Area ESPH PUMP

Manufacturer, Model, Etc. (optional but recommended) EXIDE LEAD CALCIUM PLATE

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Drawing 11448-FC-9H2/9H3
Note: SEWS is no longer applicable for this battery rack.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-070

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

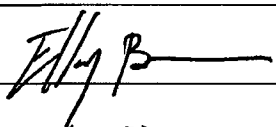
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

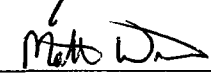
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker  Date: 8/27/12

Evaluated by: Matthew Winter  Date: 8/27/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-071

AWC # SP1-WB-001

Status Y N U

Equipment ID No. 1-EE-B-EG1 Equip. Class 15

Equipment Description EDG BATTERY

Location: Bldg. SERVICE Floor El. 27' Room, Area EDG #1

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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

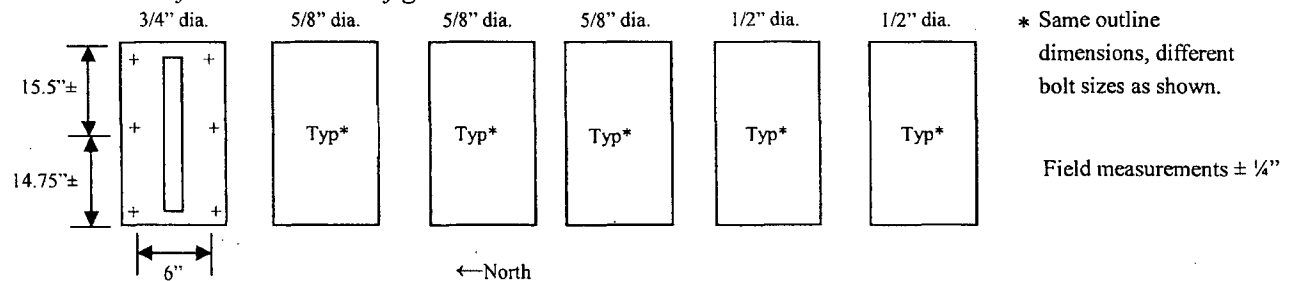
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Calculation CE-1806 (and 14257.46-DSC-2.1, which has been superseded by CE-1806) considers 1/2" diameter anchor bolts. Actual configuration is different, but bounded by the analysis-of-record. See sketch for actual bolt configuration.



SWC # SP1-WD-SWEL-071

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez



Date: 8/23/12

Evaluated by: David Germano



Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-072

AWC # SP1-WB-047

Status Y N U

Equipment ID No. 1-EPD-B-1A Equip. Class 15

Equipment Description 125V BATTERY

Location: Bldg. SERVICE Floor El. 9'-6" Room, Area BATTERY ROOM

Manufacturer, Model, Etc. (optional but recommended) EXIDE G

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
*Consistent with USI A-46 SEWS
 Calculations 52182-C-006, 52182-C-007* Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-072

Interaction Effects

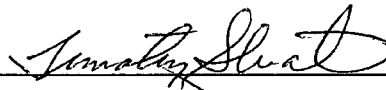
7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

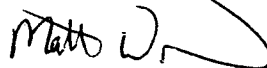
Comments (Additional pages may be added as necessary)

Evaluated by: Tim Wattleworth



Date: 8/23/12

Evaluated by: Matthew Winter



Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-075

AWC # SP1-WB-001

Status Y N U

Equipment ID No. 1-EE-EG-1 Equip. Class 17

Equipment Description EMERGENCY DIESEL GENERATOR

Location: Bldg. SERVICE Floor El. 27' Room, Area EDG 1 ROOM

Manufacturer, Model, Etc. (optional but recommended) GENERAL MOTOR CORP. MODEL #20-645-E4

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Consistent with drawing 11448-FC-2VC

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-075

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
 - *Conduit run on the east side of the engine in the overhead, supported using clips → this was identified in the USI A-46 SEWS*
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez



Date: 8/22/12

Evaluated by: David Germano



Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-076

AWC # SP1-WB-021

Status Y N U

Equipment ID No. 1-SW-PENG-1C Equip. Class 17

Equipment Description EMERGENCY SW PUMP DIESEL

Location: Bldg. ESPH Floor El. 20' Room, Area

Manufacturer, Model, Etc. (optional but recommended) DETROIT DIESEL ALLISON

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
CR 486253 – one of four southeast anchor nuts is loose (washer spins) on south foot.

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A
CR 486318 – base of concrete pedestal for 1-SW-PENG-1C has a crack/spall in the southeast corner. 6" long x 2" wide x 1/4" deep.

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
*Consistent with USI A-46 SEWS
 Drawing 11448-FC-9H/9M*

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-076

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

Comments (Additional pages may be added as necessary)

Evaluated by: Matthew Winter



Date: 8/27/12

Evaluated by: Ellery Baker



Date: 8/27/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-077

AWC # SP1-WB-020

Status Y N U

Equipment ID No. 1-CC-PS-103 Equip. Class 18

Equipment Description CH PUMP CC PRESSURE SWITCH

Location: Bldg. AUX Floor El. 2' Room, Area J/8.1

Manufacturer, Model, Etc. (optional but recommended) BARKSDALE CONTROLS DIV., D2TM150SS

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-077

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/22/12

Evaluated by: William Gallagher, SR

Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-078

AWC # SP1-WB-041

Status Y N U

Equipment ID No. 1-CN-LT-100 Equip. Class 18

Equipment Description ECST LEVEL TRANSMITTER

Location: Bldg. YARD Floor El. 27' Room, Area

Manufacturer, Model, Etc. (optional but recommended) ROSSMOUNT INC., 1152DP5N22PB

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-078

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

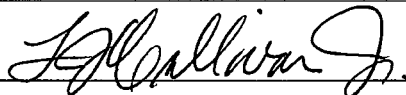
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

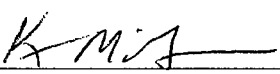
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/21/12

Evaluated by: Kevin McGuire  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-079

AWC # SP1-WB-035

Status Y N U

Equipment ID No. 1-CS-LT-100B Equip. Class 18

Equipment Description RWST LEVEL

Location: Bldg. YARD Floor El. 27' Room, Area

Manufacturer, Model, Etc. (optional but recommended) ROSEMOUNT INC., 1152DP5A22PB

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-079

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

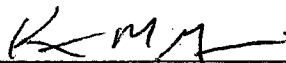
Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan



Date: 8/21/12

Evaluated by: Kevin McGuire



Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-080

AWC # SP1-WB-042

Status Y N U

Equipment ID No. 1-RC-LT-1321 Equip. Class 18

Equipment Description RVLIS B N-RANGE LEVEL

Location: Bldg. AUX Floor El. 13' Room, Area AUXILIARY

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-080

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

Comments (Additional pages may be added as necessary)

Evaluated by: William Gallagher, Sr.  Date: 8/24/12

Evaluated by: Ellery Baker  Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-084

AWC # SP1-WB-020

Status Y N U

Equipment ID No. 1-CC-RTD-109B Equip. Class 19

Equipment Description RHR HX OUTLET TEMP

Location: Bldg. AUX Floor El. 2' Room, Area K/7.3

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-084

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/22/12

Evaluated by: William Gallagher, Sr.

Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-085

AWC # SP1-WB-042

Status Y N U

Equipment ID No. 1-CH-TIC-1107 Equip. Class 19

Equipment Description BAST A TEMP

Location: Bldg. AUX Floor El. 13' Room, Area G/9

Manufacturer, Model, Etc. (optional but recommended) FOXBORO TEMP. INDICATOR

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-085

Interaction Effects

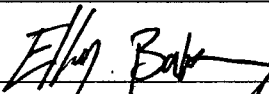
7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

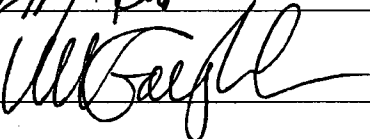
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/24/12

Evaluated by: William Gallagher, Sr.



Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-086

AWC # SP1-WB-042

Status Y N U

Equipment ID No. 1-CH-TIC-1164 Equip. Class 19

Equipment Description BAST B TEMP

Location: Bldg. AUX Floor El. 13' Room, Area G/9

Manufacturer, Model, Etc. (optional but recommended) FOXBORO TEMP. INDICATOR

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
*Consistent with USI A-46 SEWS
 Bolt spacing at 4 1/2" is within 1/4" of SEWS, which listed 4 3/4". This is acceptable verification.*

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-086

Interaction Effects

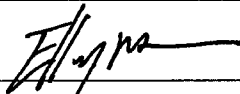
7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

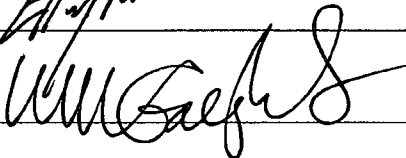
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/24/12

Evaluated by: William Gallagher, Sr.



Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-087

AWC # SP1-WB-035

Status Y N U

Equipment ID No. 1-CS-RTD-100A Equip. Class 19

Equipment Description RWST TEMP

Location: Bldg. YARD Floor El. 27' Room, Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-087


Interaction Effects

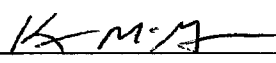
7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/21/12

Evaluated by: Kevin McGuire  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-092

AWC # SP1-WB-009

Status Y N U

Equipment ID No. 1-EP-PNL-ASP Equip. Class 20

Equipment Description AUX SHUTDOWN PANEL

Location: Bldg. SERVICE Floor El. 9'-6" Room, Area ESGR

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-092

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 1) *An unsecured laptop was stored on an angle of a hinged drawer inside the panel to the west side. Discussed with Operations, who agreed to relocate the laptop off the angle and onto the flat surface of the drawer.*
 - 2) *Similar to the Unit 2 Auxiliary Shutdown Panel, there was unsecured equipment stored inside the panel to the right (west). See SWC# SP2-WD-SWEL-027 for justification of stored equipment on the similar Unit 2 Auxiliary Shutdown Panel.*
 - 3) *>2" clear from Unistrut frame for communications equipment to the east of the panel, acceptable.*
 - 4) *>2" clear from I-CM-PNL-DAS-1, acceptable*
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 1) *Fluorescent light overhead to North, secured to rod-hung fixture. In general, fluorescent lighting was addressed during USI A-46/ IPEEE and concluded not to be a seismic concern.*
 - 2) *Block on the east side of panel is reinforced.*
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez



Date: 8/28/12

Evaluated by: David Germano



Date: 8/28/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-093

AWC # SP1-WB-045

Status Y N U

Equipment ID No. 1-CC-E-1A Equip. Class 21

Equipment Description CC HX

Location: Bldg. TURB Floor El. 9' Room, Area CCHx Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
*Consistent with USI A-46 SEWS
 Drawing 11448-FS-2F/2S*

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-093

Interaction Effects

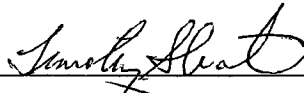
7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

Comments (Additional pages may be added as necessary)

Evaluated by: Tim Wattleworth



Date: 8/21/12

Evaluated by: Matthew Winter



Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-094

AWC # SP1-WB-041

Status Y N U

Equipment ID No. 1-CN-TK-1 Equip. Class 21

Equipment Description ECST

Location: Bldg. YARD Floor El. 27' Room, Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?
Anchorage is encased in concrete. Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-094

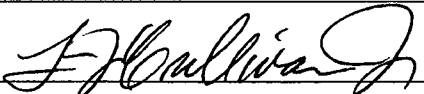
Interaction Effects

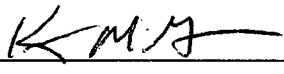
- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/21/12

Evaluated by: Kevin McGuire  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-095

AWC # SP1-WB-035

Status Y N U

Equipment ID No. 1-CS-TK-2 Equip. Class 21

Equipment Description CAUSTIC STORAGE TANK

Location: Bldg. YARD Floor El. 27' Room, Area YARD

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
EQE Calculation 250226-C-130 Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-095

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

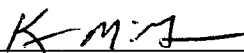
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/21/12

Evaluated by: Kevin McGuire  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-096

AWC # SP1-WB-021

Status Y N U

Equipment ID No. 1-SW-E-8 Equip. Class 21

Equipment Description EMERGENCY SW PUMP BRG OIL COOLER

Location: Bldg. ESPH Floor El. 18' Room, Area EPSH

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-096

Interaction Effects

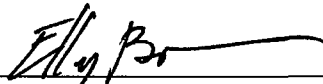
7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/27/12

Evaluated by: Matthew Winter



Date: 8/27/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-097

AWC # SP1-WB-006

Status Y N U

Equipment ID No. 1-FW-E-9 Equip. Class 21

Equipment Description FW-P-2 OIL COOLER

Location: Bldg. MSVH Floor El. 27'-6" Room, Area AFW Pump Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-097

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/21/12

Evaluated by: William Gallagher, Sr.

Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-098

AWC # SP1-WB-001

Status Y N U

Equipment ID No. 1-EE-TK-3 Equip. Class 21

Equipment Description FUEL OIL DAY TANK

Location: Bldg. SERVICE Floor El. 27' Room, Area EDG 1 ROOM

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Consistent with US1 A-46 SEWS for 1-EE-TK-4 and 1-EE-TK-3 except inset 1/2" thick square plate is 6" versus 5" as shown. This difference is minor and inconsequential.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-098

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
1-ELT-LF-126 hold down strap misaligned → should be relocated to better hold down the light. CR 485564 submitted.

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez  Date: 8/21/12

Evaluated by: David Germano  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-099

AWC # SP1-WB-001

Status Y N U

Equipment ID No. 1-EG-TK-2 Equip. Class 21

Equipment Description EDG AIR COMP AIR RECIEVER

Location: Bldg. SERVICE Floor El. 27' Room, Area EDG 1 ROOM

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
Upper support: flange of channel section slightly bent. No structural/seismic concern.

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
Very minor corrosion of anchor bolts at baseplate

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-099

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
-Large overhead light supported off Unistrut that is rod hung from ceiling – no seismic concerns.

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A


- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez



Date: 8/27/12

Evaluated by: David Germano



Date: 8/27/12

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-101

AWC # SP2-WB-038

Status Y N U

Equipment ID No. 1-FC-E-1B Equip. Class 21

Equipment Description SFP COOLER

Location: Bldg. FUEL Floor El. 6' Room, Area SFP COOLER AREA

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with calc. 11448-CG-21. Drawing updated needed to reflect proper configuration of upper restrain. Det. 11 on 11448-FC-27F. MSDUR#12-601184 submitted. Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-101


Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

Comments (Additional pages may be added as necessary)

Evaluated by: Matthew Winter  Date: 8/29/2012

Evaluated by: Daniel J. Vasquez  Date: 8/29/2012

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-102

AWC # SP2-WB-038

Status Y N U

Equipment ID No. 1-FC-P-1B Equip. Class 5

Equipment Description SFP COOLING PUMP

Location: Bldg. FUEL Floor El. 6' Room, Area SFP COOLER AREA

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Consistent with USI-A-U6 SEWS, but not drawing 11448-FC-27E. Nut elevation is incorrect on drawing. (drawing will be updated to reflect as-built configuration) MSDUR# 12-601183 submitted.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-102

Interaction Effects

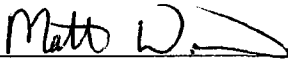
7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez  Date: 8/29/2012

Evaluated by: Matthew Winter  Date: 8/29/2012

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-103

AWC # SP2-WB-038

Status Y N U

Equipment ID No. 1-FC-40 Equip. Class 0

Equipment Description SFP COOLER INLET ISOLATION

Location: Bldg. FUEL Floor El. 6 Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-103

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
Bent threaded rod supporting cable tray on west side of room – no seismic concern since bent <5° tolerance


- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A


- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Matthew Winter  Date: 8/29/2012

Evaluated by: Daniel J. Vasquez  Date: 8/29/2012

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-104

AWC # SP2-WB-038

Status Y N U

Equipment ID No. 1-FC-35 Equip. Class 0

Equipment Description SFP COOLER INLET ISOLATION PUMP 1B SUCTION ISOLATION

Location: Bldg. FUEL Floor El. 20' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP1-WD-SWEL-104

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

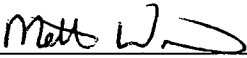
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A


- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Matthew Winter  Date: 8/29/12

Evaluated by: Daniel J. Vasquez  Date: 8/29/12

Appendix D

Unit 2 Seismic Walkdown Checklists

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-001

AWC # SP2-WB-001

Status Y N U

Equipment ID No. 2-VS-MOD-201C Equip. Class 0

Equipment Description CHARGING PUMP CUBICLE EXHAUST DAMPER

Location: Bldg. AUX Floor El. 2' Room, Area CP CUB

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-001

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/23/12

Evaluated by: William Gallagher, Sr

Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-002

AWC # SP2-WB-002

Status Y N U

Equipment ID No. 2-SW-REJ-201A Equip. Class 0

Equipment Description BC HX INLET HEADER

Location: Bldg. TURB Floor El. 9' Room, Area TURBINE

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
Minor corrosion noted on all-thread tension connections and bolts.

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-002

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Reference: Drawing 11448-FC-2C

Expansion joint is encapsulated with spray shield (bolts for both are visible).

Evaluated by: Matthew Winter



Date: 8/24/12

Evaluated by: Tim Wattleworth



for T.W. per tekcon

Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-003

AWC # SP2-WB-011

Status Y N U

Equipment ID No. 1-CH-TK-1C Equip. Class 21

Equipment Description C BAST

Location: Bldg. Aux Floor El. 13' Room, Area BAST Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-003

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

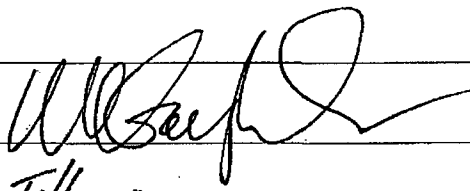
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

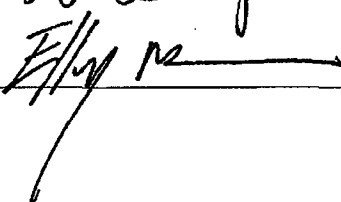
Comments (Additional pages may be added as necessary)

Evaluated by: *William Gallagher, Sr.*



Date: 8/27/12

Evaluated by: *Ellery Baker*



Date: 8/27/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-004

AWC # SP1-WB-009

Status Y N U

Equipment ID No. 2-EP-BKR-25H9 Equip. Class 3

Equipment Description 4kV EMERGENCY STUB BUS

Location: Bldg. ESGR Floor El. 9' Room, Area

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with Calculation CE-1254, Rev. 0 Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-004

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
 - 1) *Adjacent cabinets bolted together. Connected to 2H1 Load Center per DC 93-033.*
 - 2) *Approximately 1 1/2" clear of cabinet to east, acceptable.*

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
 - Fluorescent lights overhead to north and south side. Fluorescent lights were evaluated during USI A-46/ IPEEE and concluded not to be a seismic concern.*

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez



Date: 8/28/12

Evaluated by: David Germano



Date: 8/28/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-006

AWC # SP2-WB-004

Status Y N U

Equipment ID No. 2-FW-T-2 Equip. Class 0

Equipment Description TERRY TURBINE

Location: Bldg. MSVH Floor El. 27' Room, Area AFW Pump Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N
Also with pump 2-FW-P-2 Skid

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Reference: VTM 38-1096-00005
Drawing V-4 6HMTA86X4-A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-006

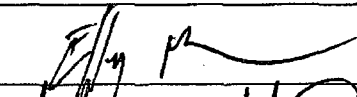
Interaction Effects

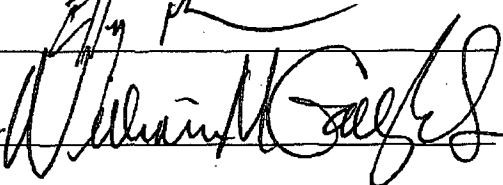
- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker  Date: 8/21/12

Evaluated by: William Gallagher, Sr  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-008

AWC # SP2-WB-004

Status Y N U

Equipment ID No. 2-MS-GOV-005 Equip. Class 0

Equipment Description TERRY TURBINE GOVERNOR VALVE

Location: Bldg. MSVH Floor El. 27' Room, Area AFW PUMP AREA

Manufacturer, Model, Etc. (optional but recommended) Ingersoll Rand

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-008

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

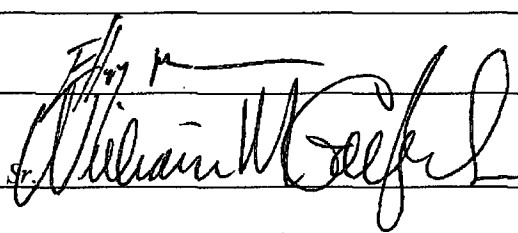
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/20/12

Evaluated by: William Gallagher, Sr.

Date: 8/20/12



Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-011

AWC # SP2-WB-008

Status Y N U

Equipment ID No. 2-RP-BKR-52-BYB Equip. Class 2

Equipment Description RX TRIP BREAKER BYPASS

Location: Bldg. SERVICE Floor El. 45' Room, Area CABLE SPREADING ROOM

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
One ineffective anchor bolt 6" from West side and one good anchor bolt approximately 12" from West side → by design, each bay is supposed to have two anchor bolts; therefore, the as-found configuration is judged to be acceptable.

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-011

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

On the North side of the cabinet, the upper panel doors at the top were opened, and it was identified that all four bolts to the reinforcement framing were short by 1 to 2 threads. Based on the robust design of the upper reinforcement (S-89151-2-C-003) being short 1 to 2 threads at most is judged to be acceptable and the existing thread engagement is seismically acceptable to support the cabinet.

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

-Fluorescent lighting was evaluated during USI A-46/IPEEE and determined not to be a seismic concern.

9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

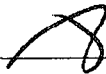
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez



Date: 8/22/12

Evaluated by: David Germano



Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-012

AWC # SP1-WB-009

Status Y N U

Equipment ID No. 2-EP-LCC-2H Equip. Class 2

Equipment Description 480V EMERGENCY BUS

Location: Bldg. SERVICE Floor El. 9'-6" Room, Area ESGR

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-012

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

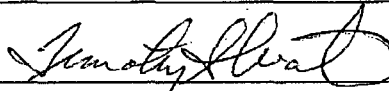
Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

- Cabinets are bolted together per SEWS
- 2 cover plate blanks, 1 of 4 fasteners noted, CR 485665
- CR 485684 – loose paint on hanger for PB-ESR-9 over bus

Evaluated by: Tim Wattleworth



Date: 8/22/12

Evaluated by: Matthew Winter



Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-013

AWC # SP1-WB-009

Status Y N U

Equipment ID No. 2-EP-LCC-2H1 Equip. Class 2

Equipment Description 480V EMERGENCY BUS

Location: Bldg. SERVICE Floor El. 9'-6" Room, Area ESGR

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-013

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Cabinets are bolted together.

Evaluated by: Tim Wattleworth



Date: 8/22/12

Evaluated by: Matthew Winter



Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-016

AWC # SP2-WB-010

Status Y N U

Equipment ID No. 2-CH-P-1A Equip. Class 5

Equipment Description CHARGING PUMP

Location: Bldg. AUX Floor El. 2' Room, Area J/9

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-016

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/23/12

Evaluated by: William Gallagher, Sr.

Date: 8/23/12

The image shows two handwritten signatures in black ink. The top signature is 'Ellery Baker' and the bottom signature is 'William Gallagher, Sr.'. Both signatures are written over horizontal lines that correspond to the 'Evaluated by' and 'Date' fields.

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-017

AWC # SP2-WB-011

Status Y N U

Equipment ID No. 1-CH-P-2C Equip. Class 5

Equipment Description BORIC ACID TRANSFER PUMP

Location: Bldg. AUX Floor El. 13' Room, Area AUXILIARY

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-017

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

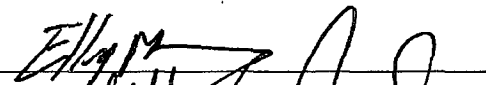
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A


- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
Minor concrete surface degradation on the pump pedestal was evident, but is not a structural or seismic concern.

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker  Date: 8/24/12

Evaluated by: William Gallagher, Sr.  Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-018

AWC # SP2-WB-004

Status Y N U

Equipment ID No. 2-FW-P-2 Equip. Class 5

Equipment Description STEAM DRIVEN AUX FEED PUMP

Location: Bldg. MSVH Floor El. 27'-6" Room, Area AFW Pump Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A
No cracking, east of middle of pump pedestal is missing concrete – not a defect

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
*Reference: VTM 38-I096-00005
 Drawing V-4 6HMTA86X4-A*

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-018

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/21/12

Evaluated by: William Gallagher, Sr

Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-019

AWC # SP2-WB-004

Status Y N U

Equipment ID No. 2-FW-P-3A Equip. Class 5

Equipment Description AUX FEED PUMP

Location: Bldg. MSVH Floor El. 27'-6" Room, Area AFW Pump Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Reference VTM, dwg V-38 HMTA86X4

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-019

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

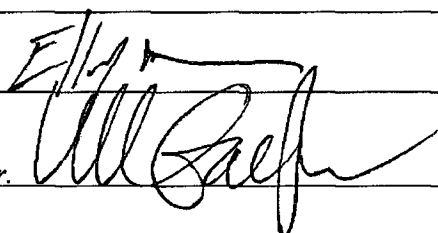
Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Noted open WO 38103082383 tag for the heat trace at the 3A pump. There is a broken anchor at the stanchion baseplate for the heat trace junction box. The 1/2" heat trace conduit at 3A and 3B is overspanned, but it essentially responds as-if rod hung due to the support of the final vertical run of conduit. No seismic concerns with any of these issues.

Evaluated by: Ellery Baker



Date: 8/21/2012

Evaluated by: William Gallagher, Sr.

Date: 8/21/2012

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-020

AWC # SP2-WB-041

Status Y N U

Equipment ID No. 2-CS-P-1A Equip. Class 5

Equipment Description CONTAINMENT SPRAY PUMP

Location: Bldg. CSPH Floor El. 27' Room, Area CSPH

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Drawing 11548-FC-19C

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-020

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

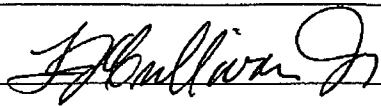
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

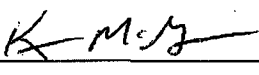
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/22/12

Evaluated by: Kevin McGuire  Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-021

AWC # SP2-WB-013

Status Y N U

Equipment ID No. 2-FW-P-4A Equip. Class 5

Equipment Description EMERGENCY CONDENSATE MAKEUP PUMP

Location: Bldg. CSPH Floor El. 11' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Calculation No. 250226-C-005
Consistent with USI A-46 SEWS

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-021

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

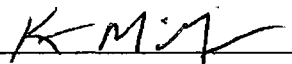
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/22/12

Evaluated by: Kevin McGuire  Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-022

AWC # SP1-WB-018

Status Y N U

Equipment ID No. 1-CC-P-1C Equip. Class 5

Equipment Description CC PUMP

Location: Bldg. AUX Floor El. 2' Room, Area CC PUMP AREA

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-022

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/22/12

Evaluated by: William Gallagher, Sr

Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-023

AWC # SP2-WB-019

Status Y N U

Equipment ID No. 2-CC-P-2B Equip. Class 6

Equipment Description CHARGING PUMP CC PUMP

Location: Bldg. AUX Floor El. 2' Room, Area G/9.5

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-023

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: William Gallagher, Sr.



Date: 8/27/12

Evaluated by: Ellery Baker



Date: 8/27/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-024

AWC # SP2-WB-014

Status Y N U

Equipment ID No. 2-SW-P-10A Equip. Class 6

Equipment Description CHARGING PUMP SW PUMP

Location: Bldg. Service Floor El. 9' Room, Area MER 4

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS and 11448-PSSK-1021A36.133 Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-024

Interaction Effects

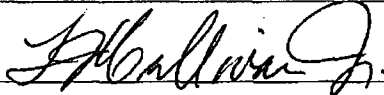
- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Pump base has mild corrosion → not a seismic concern.

Evaluated by: Larry Cullivan  Date: 8/29/12

Evaluated by: David Germano  Date: 8/29/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-025

AWC # SP2-WB-015

Status Y N U

Equipment ID No. 2-RS-P-2A Equip. Class 6

Equipment Description OUTSIDE RS PUMP

Location: Bldg. SFGD Floor El. 12' Room, Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-025

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

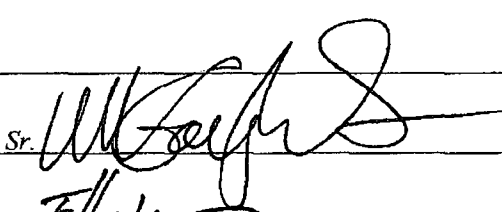
Other Adverse Conditions

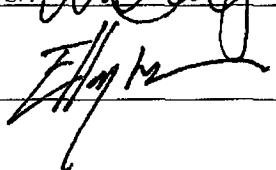
- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

None

Evaluated by: William Gallagher, Sr.





Date: 8/21/2012

Evaluated by: Ellery Baker

Date: 8/21/2012

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-026

AWC # SP2-WB-015

Status Y N U

Equipment ID No. 2-SI-P-1A Equip. Class 6

Equipment Description SAFETY INJECTION PUMP

Location: Bldg. SFGD Floor El. 12.8' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-026

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
See Comments section below.
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

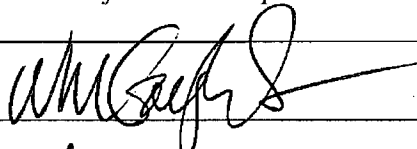
Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
See Comments section below.

Comments (Additional pages may be added as necessary)

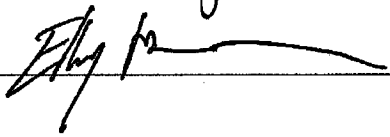
The SI piping to the seal tank through 2-SI-201 is attached to the Reactor Containment wall at one point and the Safeguards Building at all other building attachment supports. The piping transitions to 1/2" diameter tubing between the 3/4" piping and the pump. As a result there is adequate flexibility between the RC and the pump which is attached to the Safeguards Building. The piping on the RC and Safeguards Building is adequate to allow for the 1/2" displacement between the two buildings at this point.

Evaluated by: William Gallagher, Sr.



Date: 8/21/2012

Evaluated by: Ellery Baker



Date: 8/21/2012

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-027

AWC # SP1-WB-009

Status Y N U

Equipment ID No. 2-EP-PNL-ASP Equip. Class 20

Equipment Description AUX SHUTDOWN PANEL

Location: Bldg. SERVICE Floor El. 9'-6" Room, Area ESGR

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-027

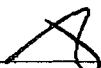
Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
Unsecured equipment stored inside the attached panel to the South (wire, light bulbs, mouse). Discussed with Operations, who indicated that none of the equipment inside the panel was seismically sensitive. Since the stored equipment is lightweight and enclosed inside the panel, it is not likely to be a seismic interaction concern with the Auxiliary Shutdown Panel equipment in the adjacent panel to the North.
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
 1) *Cable tray A13 overhead; sufficiently clear*
 2) *HVAC duct to North also sufficiently clear. Threaded rod hanger on duct support (south side) near Northwest corner on panel shorted about 1 to 2 threads (painted) → acceptable since all adjacent duct supports are adequate.*
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez  Date: 8/28/12

Evaluated by: David Germano  Date: 8/28/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-029

AWC # SP2-WB-021

Status Y N U

Equipment ID No. 2-FW-HCV-255A Equip. Class 7

Equipment Description FW/SG A FW BYPASS FLOW

Location: Bldg. SERY Floor El. 47' Room, Area MER 2

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-029

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A


9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

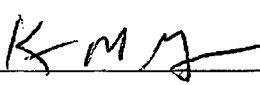
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/23/12

Evaluated by: Kevin McGuire  Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-030

AWC # SP2-WB-019

Status Y N U

Equipment ID No. 2-DA-TV-203A Equip. Class 7

Equipment Description DA/HRSS WASTE TK PUMP DISCH CIV

Location: Bldg. AUX Floor El. 2' Room, Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-030

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Ellery Baker

Date: 8/23/12

Evaluated by: William Gallagher, Sr.

William Gallagher, Sr.

Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-031

AWC # SP2-WB-004

Status Y N U

Equipment ID No. 2-MS-PCV-202A Equip. Class 7

Equipment Description TERRY TURBINE PCV

Location: Bldg. MSVH Floor El. 27' Room, Area AFW Pump Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-031

Interaction Effects

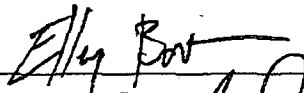
- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

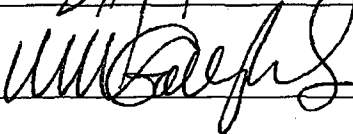
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/21/12

Evaluated by: William Gallagher, Sr.



Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-032

AWC # SP2-WB-042

Status Y N U

Equipment ID No. 2-LM-TV-200A Equip. Class 7

Equipment Description LM/CTMT LEAKAGE MONITORING HDR TRIP VALVE

Location: Bldg. AUX Floor El. 13' Room, Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-032

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

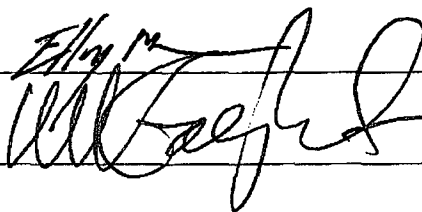
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

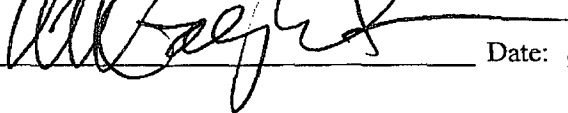
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/24/12

Evaluated by: William Gallagher, Sr.



Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-033

AWC # SP2-WB-021

Status Y N U

Equipment ID No. 2-FW-HCV-255C Equip. Class 7

Equipment Description FW/SG C FW BYPASS FLOW

Location: Bldg. SERVICE Floor El. 47' Room, Area MER 2

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-033

Interaction Effects

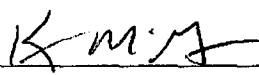
- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/23/12

Evaluated by: Kevin McGuire  Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-034

AWC # SP2-WB-004

Status Y N U

Equipment ID No. 2-MS-TV-220 Equip. Class 7

Equipment Description TERRY TURBINE STEAM ISOLATION

Location: Bldg. MSVH Floor El. 27' Room, Area AFW Pump Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-034

Interaction Effects

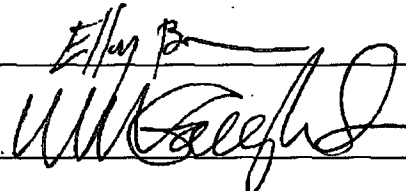
- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/21/12

Evaluated by: William Gallagher, Sr.



Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-035

AWC # SP2-WB-042

Status Y N U

Equipment ID No. 2-LM-TV-200C Equip. Class 7

Equipment Description LM / CTMT LEAKAGE MONITORING HDR TRIP VALVE

Location: Bldg. AUX Floor El. 13' Room, Area

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-035

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/24/12

Evaluated by: William Gallagher, Sr.

Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-036

AWC # SP2-WB-019

Status Y N U

Equipment ID No. 2-CV-TV-250A Equip. Class 7

Equipment Description CONTAINMENT VACUUM PUMP 1B SUCTION

Location: Bldg. AUX Floor El. 2' Room, Area AUXILIARY

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-036

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

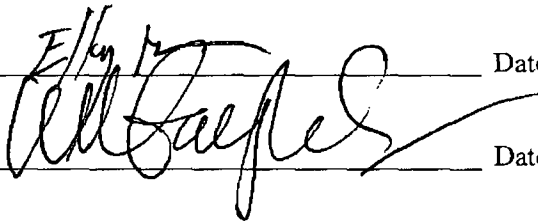
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/23/12

Evaluated by: William Gallagher, Sr.

Date: 8/23/12



Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-037

AWC # SP2-WB-020

Status Y N U

Equipment ID No. 2-MS-TV-201A Equip. Class 7

Equipment Description MS TRIP VALVE

Location: Bldg. MSVH Floor El. 40' Room, Area GA/5.6

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-037

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan *L Cullivan Jr.* Date: 8/23/12

Evaluated by: Kevin McGuire *KMJA* Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-038

AWC # SP2-WB-019

Status Y N U

Equipment ID No. 2-CC-TV-209B Equip. Class 7

Equipment Description RHR OUTLET TRIP VALVE

Location: Bldg. AUX Floor El. 2' Room, Area J/10.7

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-038

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

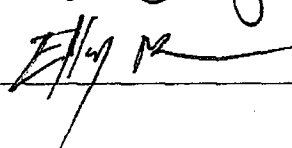
Comments (Additional pages may be added as necessary)

Evaluated by: William Gallagher, Sr.



Date: 8/23/12

Evaluated by: Ellery Baker



Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-039

AWC # SP2-WB-021

Status Y N U

Equipment ID No. 2-FW-FCV-2478 Equip. Class 7

Equipment Description MAIN FEED REG VALVE

Location: Bldg. SERVICE Floor El. 42' Room, Area MER 2

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-039

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan *L. Cullivan* Date: 8/23/12

Evaluated by: Kevin McGuire *K. McGuire* Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-043

AWC # SP2-WB-010

Status Y N U

Equipment ID No. 2-CH-MOV-2267A Equip. Class 8

Equipment Description CH PUMP INLET ISOLATION

Location: Bldg. AUX Floor El. 2' Room, Area CH PUMP CUBICLE A

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U
Conduit for TI at pump west bearing housing in contact with MOV power cables, TI conduit clamps loose. CR 486152 submitted.

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-043

Interaction Effects

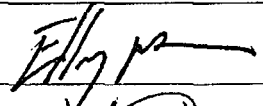
7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U
-

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
-

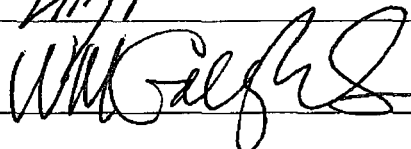
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/23/12

Evaluated by: William Gallagher, Sr.



Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-044

AWC # SP2-WB-013

Status Y N U

Equipment ID No. 2-CS-MOV-201A Equip. Class 8

Equipment Description CS PUMP DSCH

Location: Bldg. CSPH Floor El. 11' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-044

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan



Date: 8/22/12

Evaluated by: Kevin McGuire



Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-045

AWC # SP2-WB-013

Status Y N U

Equipment ID No. 2-CS-MOV-202A Equip. Class 8

Equipment Description CHEMICAL ADDITION TANK ISOLATION

Location: Bldg. CSPH Floor El. 11' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC #, SP2-WD-SWEL-045

Interaction Effects

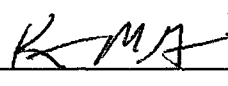
- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/22/12

Evaluated by: Kevin McGuire  Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-046

AWC # SP2-WB-024

Status Y N U

Equipment ID No. 2-CW-MOV-200A Equip. Class 8

Equipment Description CONDENSER OUTLET

Location: Bldg. TURB Floor El. 9' Room, Area CONDENSER AREA

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-046

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

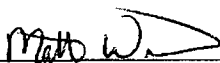
Other Adverse Conditions

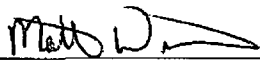
- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Drawing 11448-FC-2K

CR 486177 – groundwater for CW leak from concrete wall approximately 3' above top pipe drains onto anchored steel pipe. Corrosion prod rust colored, salt precipitate on wall. Beginning to deteriorate heads of pipe collar wall anchors.

Evaluated by: Tim Wattleworth  for T.W. per telecom Date: 8/24/12

Evaluated by: Matthew Winter  Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-047

AWC # SP2-WB-024

Status Y N U

Equipment ID No. 2-CW-MOV-206A Equip. Class 8

Equipment Description CONDENSER INLET

Location: Bldg. TURB Floor El. 9' Room, Area CONDENSER AREA

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation?
Noted mild corrosion on all-thread tension bolts (approximately 50%). Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-047

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

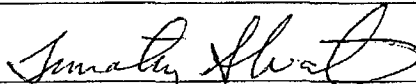
Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Drawing 11548-FC-2F

Evaluated by: Tim Wattleworth



Date: 8/23/12

Evaluated by: Matthew Winter



Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-048

AWC # SP2-WB-024

Status Y N U

Equipment ID No. 2-CW-MOV-206C Equip. Class 8

Equipment Description CONDENSER INLET

Location: Bldg. TURB Floor El. 9' Room, Area CONDENSER AREA

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
Note: minor surface corrosion on tension bolted connection.

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-048

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

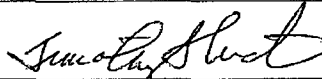
Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

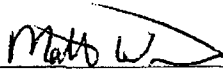
Drawing 11548-FC-2F

Evaluated by: Tim Wattleworth



Date: 8/23/12

Evaluated by: Matthew Winter



Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-050

AWC # SP2-WB-002

Status Y N U

Equipment ID No. 2-SW-MOV-201A Equip. Class 8

Equipment Description BC HX ISOLATION

Location: Bldg. TURB Floor El. 9' Room, Area Valve Pit

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation?
Note: mild surface corrosion on all-thread tension connection nuts. Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-050

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

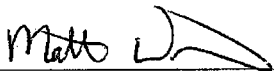
Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Reference: Drawing 11448-FC-2C
SEWS

Evaluated by: Tim Wattleworth  Date: 8/23/12

Evaluated by: Matthew Winter  Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-053

AWC # SP2-WB-010

Status Y N U

Equipment ID No. 2-CH-MOV-2275A Equip. Class 8

Equipment Description CH / CHARGING PUMP RECIRC

Location: Bldg. AUX Floor El. 2' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-053

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/23/12

Evaluated by: William Gallagher, Sr.

Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-054

AWC # SP2-WB-010

Status Y N U

Equipment ID No. 2-CH-MOV-2286A Equip. Class 8

Equipment Description CH / CHARGING PUMP OUTLET

Location: Bldg. AUX Floor El. 2' Room, Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-054

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

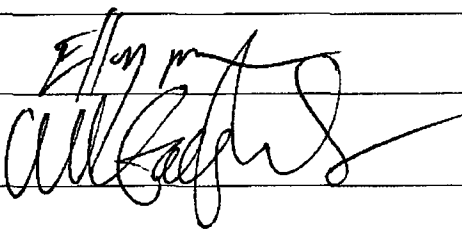
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker

Date: 8/23/12

Evaluated by: William Gallagher

Date: 8/23/12



Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-055

AWC # SP2-WB-019

Status Y N U

Equipment ID No. 2-CH-MOV-2289A Equip. Class 8

Equipment Description CH / CHARGING STOP VALVE

Location: Bldg. AUX Floor El. 2' Room, Area

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-055

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker Date: 8/23/12

Evaluated by: William Gallagher, Sr. Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-056

AWC # SP2-WB-019

Status Y N U

Equipment ID No. 2-CH-MOV-2289B Equip. Class 8

Equipment Description CH / CHARGING STOP VALVE

Location: Bldg. AUX Floor El. 2' Room, Area

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-056

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U
JB support for MOV power loose at floor, submitted CR 485980.

Comments (Additional pages may be added as necessary)

Evaluated by: William Gallagher, Sr.  Date: 8/23/12

Evaluated by: Ellery Baker  Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-060

AWC # SP2-WB-004

Status Y N U

Equipment ID No. 1-FW-MOV-160A Equip. Class 8

Equipment Description AFW CROSS-CONNECT

Location: Bldg. MSVH Floor El. 27' Room, Area AFW Pump Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-060

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: William Gallagher, Sr.  Date: 8/27/12

Evaluated by: Ellery Baker  Date: 8/27/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-061

AWC # SP2-WB-013

Status Y N U

Equipment ID No. 2-SW-MOV-205A Equip. Class 8

Equipment Description RS HX ISOLATION

Location: Bldg. CSPH Floor El. 11' Room, Area SAFEGUARDS

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-061

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A


- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

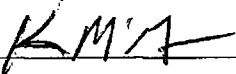
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/24/12

Evaluated by: Kevin McGuire  Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-062

AWC # SP2-WB-028

Status Y N U

Equipment ID No. 2-CS-MR-1B Equip. Class 11

Equipment Description RWST REFRIGERATION UNIT

Location: Bldg. YARD Floor El. 27' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A
*Auxiliary Building at Southeast – pier has spalled concrete
 Calculation No. 250226 verifies no uplift on Auxiliary Building,
 minimum shear load. Anchor bolts acceptable. CR 485907 submitted to
 document concrete condition.*

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-062

Interaction Effects


- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/21/12

Evaluated by: Kevin McGuire  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-063

AWC # SP2-WB-029

Status Y N U

Equipment ID No. 2-EG-C-2 Equip. Class 12

Equipment Description EDG AIR COMPRESSOR No. 2

Location: Bldg. SERVICE Floor El. 27' Room, Area EDG 2 ROOM

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Consistent with 11448-1.30-104A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-063

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
2-EG-E-7 over equipment – supported for seismic, no issue.

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
Large overhead lighting supported off Unistrut frame that is rod hung. No seismic concerns.

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez

Date: 8/24/12

Evaluated by: David Germano

Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-064

AWC # SP2-WB-030

Status Y N U

Equipment ID No. 2-IA-C-1 Equip. Class 12

Equipment Description INSTRUMENT AIR COMPRESSOR

Location: Bldg. TURBINE Floor El. 9' Room, Area IA COMPRESSOR AREA

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Drawing 11548-FC-6A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-064

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Tim Wattleworth Math W for T.W. per telecon Date: 8/24/12

Evaluated by: Matthew Winter Math W Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-068

AWC # SP1-WB-009

Status Y N U

Equipment ID No. 2-EP-LP-2S12 Equip. Class 14

Equipment Description MCR LIGHTING CABINET

Location: Bldg. SERVICE Floor El. 9' Room, Area ESGR

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Calculation 250226-C-114 excerpt shows (4) 1/4" sleeve anchors. As-built is (4) 3/8" toggle bolt anchors. This bounds the calculation and is acceptable. CR 485926 to update calculation.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-068

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

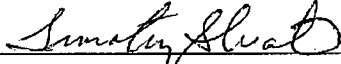
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

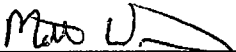
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Tim Wattleworth  Date: 8/23/12

Evaluated by: Matthew Winter  Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-069

AWC # SP2-WB-007

Status Y N U

Equipment ID No. 2-EPD-B-2A Equip. Class 15

Equipment Description 125V BATTERY

Location: Bldg. SERVICE Floor El. 9'-6" Room, Area Battery Room 2A

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
*Consistent with USI A-46 SEWS
 Calculations 52182-C-006, 52182-C-006* Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-069

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

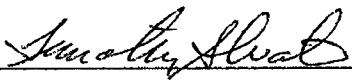
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

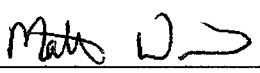
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Tim Wattleworth  Date: 8/23/12

Evaluated by: Matthew Winter  Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-070

AWC # SP2-WB-040

Status Y N U

Equipment ID No. 2-EPD-B-2B Equip. Class 15

Equipment Description 125V BATTERY

Location: Bldg. TURB Floor El. 9'-6" Room, Area Battery Room 2B

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS
Note: "O" bolts not "J". This was noted in SEWS.

Calculations 52182-C-006, 52182-C-007
 Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-070

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

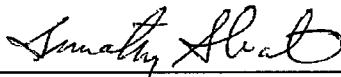
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Tim Wattleworth



Date: 8/23/12

Evaluated by: Matthew Winter



Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-071

AWC # SP2-WB-029

Status Y N U

Equipment ID No. 2-EE-B-EG2 Equip. Class 15

Equipment Description EDG BATTERY

Location: Bldg. SERVICE Floor El. 27' Room, Area EDG 2 ROOM

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

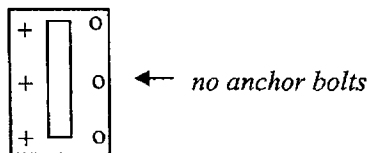
This checklist shall be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

1) *All bolts are 1/2" diameter anchor bolts, where installed.*
 2) *Anchor bolts on North side only of southernmost baseplate. All other 5 baseplates were as-designed.*



3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

Dried battery acid on second baseplate in from the North side, some minor corrosion → informed battery system engineer and submitted CR 486007.

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
The anchorage configuration is consistent with 14257.46-DSC-2.1 and DCP 83-11. This configuration is not accounted for in CE-1806 (which is the analysis-of-record). CR 486026 submitted to update calculation.

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-071

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
1-HS-UH-7B overhead to North side – supported by threaded rods and piping – no seismic concern.
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
1) Large overhead lights secured to Unistrut frame that is rod-hung from ceiling. No seismic concern.
2) See note about SA line in SP2-WB-029.
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

-Misaligned channel nut on bottom tier at south side of battery rack. CR 485998 submitted.

Evaluated by: Daniel J. Vasquez



Date: 8/24/12

Evaluated by: David Germano



Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-074

AWC # SP2-WB-029

Status Y N U

Equipment ID No. 2-BE-EG-1 Equip. Class 17

Equipment Description EMERGENCY DIESEL GENERATOR

Location: Bldg. SERVICE Floor El. 27' Room, Area EDG 2 ROOM

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with Drawing 11448-FC-2VC Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-074

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Several bolts appeared to be missing from the generator end of the diesel → discussed with electrical systems engineer who identified that the "missing bolts" are not missing, but are used as jacking bolts. Not an issue.

Evaluated by: Daniel J. Vasquez



Date: 8/24/12

Evaluated by: David Germano



Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-075

AWC # SP2-WB-019

Status Y N U

Equipment ID No. 2-CC-PS-203 Equip. Class 18

Equipment Description CH PUMP CC PRESSURE SWITCH

Location: Bldg. AUX Floor El. 2' Room, Area G/9.5

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-075

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

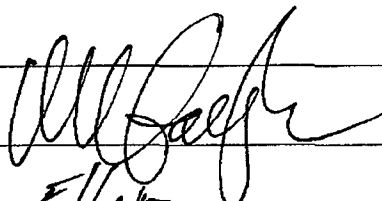
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Condition

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

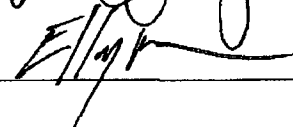
Comments (Additional pages may be added as necessary)

Evaluated by: William Gallagher, Sr.



Date: 8/23/12

Evaluated by: Ellery Baker



Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-076

AWC # SP2-WB-031

Status Y N U

Equipment ID No. 2-CN-LT-200 Equip. Class 18

Equipment Description ECST LEVEL TRANSMITTER

Location: Bldg. YARD Floor El. 27' Room, Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-076

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan *L. Cullivan* Date: 8/21/12

Evaluated by: Kevin McGuire *K.M.G.* Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-077

AWC # SP2-WB-019

Status Y N U

Equipment ID No. 2-CC-FT-210A Equip. Class 1,2,3

Equipment Description CCRHR HX OUTLET FLOW

Location: Bldg. AUX Floor El. 2' Room, Area NEAR GATE 2

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-077

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A


- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

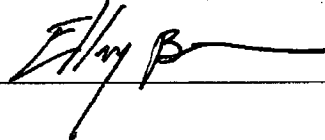
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: William Gallagher, Sr.  Date: 8/23/12

Evaluated by: Ellery Baker  Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-078

AWC # SP2-WB-028

Status Y N U

Equipment ID No. 2-CS-LT-200B Equip. Class 18

Equipment Description RWST LEVEL

Location: Bldg. YARD Floor El. 27' Room, Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-078

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

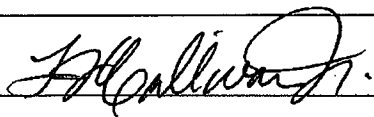
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

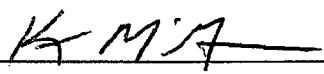
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/21/12

Evaluated by: Kevin McGuire  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-079

AWC # SP2-WB-013

Status Y N U

Equipment ID No. 2-MS-PT-2484 Equip. Class 18

Equipment Description MS Pressure Transmitter

Location: Bldg. CSPH Floor El. 11' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-079

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

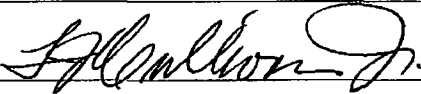
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

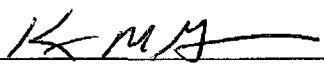
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/24/12

Evaluated by: Kevin McGuire  Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-080

AWC # SP2-WB-044

Status Y N U

Equipment ID No. 2-MS-FT-200 Equip. Class 18

Equipment Description MS FLOW TRANSMITTER

Location: Bldg. CSPH Floor El. 27' Room, Area GA/5.6

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-080

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

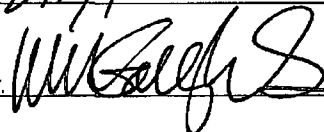
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/20/12

Evaluated by: William Gallagher, Sr.



Date: 8/20/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-081

AWC # SP2-WB-013

Status Y N U

Equipment ID No. 2-MS-PT-201A Equip. Class 18

Equipment Description MS PRESSURE TRANSMITTER

Location: Bldg. CSPH Floor El. 11' Room, Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-081

Interaction Effects

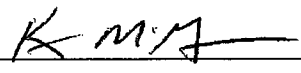
- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/22/12

Evaluated by: Kevin McGuire  Date: 8/22/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-082

AWC # SP2-WB-011

Status Y N U

Equipment ID No. 2-RC-LT-2321 Equip. Class 18

Equipment Description RVLIS B N-RANGE LEVEL

Location: Bldg. AUX Floor El. 13' Room, Area L/10.5

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-082

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

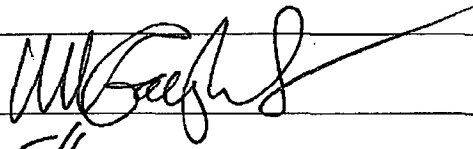
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

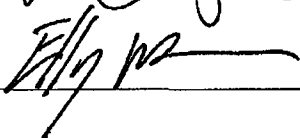
Comments (Additional pages may be added as necessary)

Evaluated by: William Gallagher, Sr.



Date: 8/24/12

Evaluated by: Ellery Baker



Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-083

AWC # SP2-WB-014

Status Y N U

Equipment ID No. 2-SW-PS-7 Equip. Class 18

Equipment Description CH PUMP SW PRESSURE SWITCH

Location: Bldg. SERVICE Floor El. 9' Room, Area MER 4

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-083

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

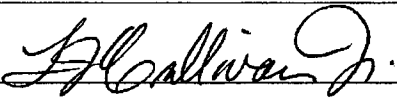
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/29/12

Evaluated by: David Germano  Date: 8/29/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-087

AWC # SP2-WB-019

Status Y N U

Equipment ID No. 2-CC-RTD-209B Equip. Class 19

Equipment Description RHR HX OUTLET TEMP

Location: Bldg. AUX Floor El. 2' Room, Area J/10.7

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-087

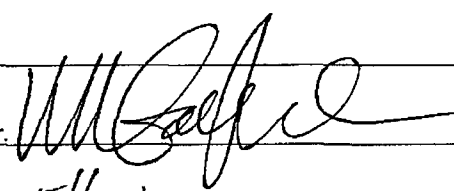
Interaction Effects

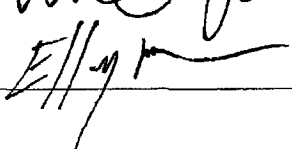
- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: William Gallagher, Sr.  Date: 8/23/12

Evaluated by: Ellery Baker  Date: 8/23/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-088

AWC # SP2-WB-011

Status Y N U

Equipment ID No. 1-CH-TIC-1103 Equip. Class 19

Equipment Description BAST A TEMP

Location: Bldg. AUX Floor El. 13' Room, Area

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
Consistent with USI A-46 SEWS Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-088

Interaction Effects

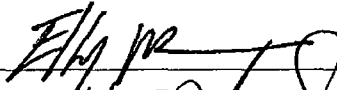
- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/24/12

Evaluated by: William Gallagher, Sr.



Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-089

AWC # SP2-WB-011

Status Y N U

Equipment ID No. 1-CH-TIC-1166 Equip. Class 19

Equipment Description BAST B TEMP

Location: Bldg. AUX Floor El. 13' Room, Area FOPH

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N
- 2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
- 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
- 4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A
- 5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Spacing is essentially the same as in SEWS ± 1/4" normally
- 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-089

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/24/12

Evaluated by: William Gallagher, Sr.



Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-090

AWC # SP2-WB-028

Status Y N U

Equipment ID No. 2-CS-RTD-200A Equip. Class 19

Equipment Description RWST TEMP

Location: Bldg. YARD Floor El. 27' Room, Area

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-090

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A


- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A


- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/21/12

Evaluated by: Kevin McGuire  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-093

AWC # SP2-WB-013

Status Y N U

Equipment ID No. 2-MS-PT-2475 Equip. Class 18

Equipment Description MS Pressure Transmitter

Location: Bldg. CSPH Floor El. 11' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Consistent with USI A-46 SEWS

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-093

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan

L. Cullivan Jr.

Date: 8/24/12

Evaluated by: Kevin McGuire

K. McGuire

Date: 8/24/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-094

AWC # SB1-WB-009

Status Y N U

Equipment ID No. 2-RP-CAB-CH-IB Equip. Class 20

Equipment Description REACTOR PROTECTION CAINETS

Location: Bldg. SVCS Floor El. 9'6" Room, Area ESGR

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
Opened cabinets 2-RP-CAB-IB, IIB, IIIB, IVB, and 5B → observed eight total anchor bolts. This anchorage configuration was found to be adequate during IPEEE.

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: 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 potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-094

Interaction Effects

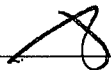
7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
 1) Bolted to adjacent cabinet to the west (Miscellaneous Rack No. 2)
 2) Two large storage cabinets to the east of 1-RP-CH-IB and one large storage cabinet to the east of 2-RP-CAB-CH-5A. All three storage cabinets were unlocked by I&C, and it was determined that all three storage cabinets are secured to the wall using four bolts for each cabinet. No seismic interaction concerns.
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
Overhead fluorescent lighting to North and South of cabinet. This type of lighting was addressed during USI A-46/ IPEEE and concluded not to be a seismic concern.
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez



Date: 8/27/12

Evaluated by: David Germano



Date: 8/27/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-095

AWC # SP1-WB-045

Status Y N U

Equipment ID No. 1-CC-E-1D Equip. Class 21

Equipment Description CC HX

Location: Bldg. TURB Floor El. 10' Room, Area CC HX AREA

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Consistent with USI A-46 SEWS
Drawings 11448-FM-6C, 11448-FC-2S/6A
Calculation 52182-C-016

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-095

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

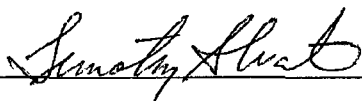
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

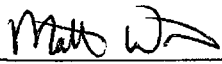
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Tim Wattleworth  Date: 8/21/12

Evaluated by: Matthew Winter  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-096

AWC # SP2-WB-031

Status Y N U

Equipment ID No. 2-CN-TK-1 Equip. Class 21

Equipment Description ECST

Location: Bldg. YARD Floor El. 27' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?
Anchorage is encased in concrete. Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-096

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

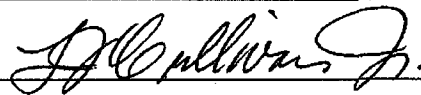
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/21/12

Evaluated by: Kevin McGuire  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-097

AWC # SP2-WB-028

Status Y N U

Equipment ID No. 2-CS-TK-2 Equip. Class 21

Equipment Description CAUSTIC STORAGE TANK

Location: Bldg. YARD Floor El. 27' Room, Area YARD

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.)
EQE Calculation 250226-C-130 Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-097


Interaction Effects

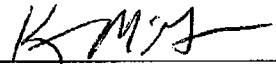
- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Larry Cullivan  Date: 8/21/12

Evaluated by: Kevin McGuire  Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-098

AWC # SP2-WB-004

Status Y N U

Equipment ID No. 2-FW-E-9 Equip. Class 21

Equipment Description FW-P-2-OIL COOLER

Location: Bldg. MSVH Floor El. 27'-6" Room, Area AFW Pump Area

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-098

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

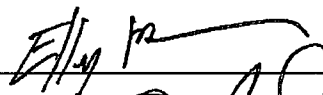
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

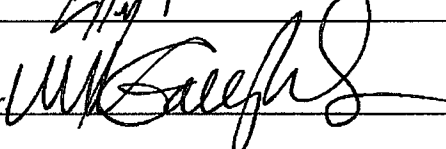
Comments (Additional pages may be added as necessary)

Evaluated by: Ellery Baker



Date: 8/21/12

Evaluated by: William Gallagher, Sr



Date: 8/21/12

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-099

AWC # SP2-WB-029

Status Y N U

Equipment ID No. 2-EE-TK-3 Equip. Class 21

Equipment Description EDG 2 FO DAY TANK

Location: Bldg. SERVICE Floor El. 27' Room, Area EDG 2 Room

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist shall 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 the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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.) Y N U N/A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

Seismic Walkdown Checklist (SWC)

SWC # SP2-WD-SWEL-099

Interaction Effects

- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
-Large overhead lights → no seismic concerns (rod-hung fixture)

- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: David Germano

David Germano

Date: 8/27/12

Evaluated by: Daniel J. Vasquez

D

Date: 8/27/12

Appendix E
Unit 1 Area Walk-by Checklists

Area Walk-By Checklist (AWC)

AWC # SP1-WB-001

Status Y N U

Location: Bldg. SERVICE Floor El. 27' Room, Area EDG #1

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A
 - 1) SA line above 1-EE-B-EG1 vertically supported for deadweight by angle-braced cantilever supports and clamped for lateral support approximately every 10' → judged by both SWEs to be seismically adequate to support the SA line.
 - 2) Friction clips on conduit attached to the blue air intake; noted on USI A-46 SEWS → not a seismic concern

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

Large overhead lights attached to Unistrut via rod hangers → no seismic concern

Area Walk-By Checklist (AWC)

AWC # SP1-WB-001

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-001, 064, 071, 075, 088, 099*

Evaluated by: David Germano

David Germano

Date: 8/24/12

Evaluated by: Daniel J. Vasquez

D

Date: 8/24/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-002

Status Y N U

Location: Bldg. AUX Floor El. 2' Room, Area UI CH PUMP CUBICLE C

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-002

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

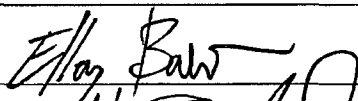
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

Associated Seismic Walkdown Checklists:

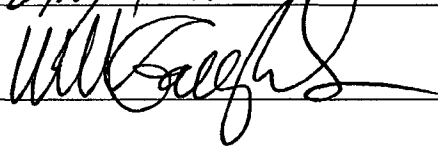
SP1-WD-SWEL-002

Evaluated by: Ellery Baker



Date: 8/23/12

Evaluated by: William Gallagher, Sr.



Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-003

Status Y N U

Location: Bldg. SERVICE Floor El. 9' Room, Area MER 3

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A
1-VS-P-1B has minor loose surface corrosion on support for pump base. Ref. 11448-PSSK-1021A4.140 (SH.1-9), not a seismic concern. CR486465 was submitted.

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A
Overhead fluorescent lighting evaluated by US1 A-46

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-003

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

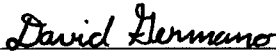
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-003, 028, 062

Evaluated by: Larry Cullivan  Date: 8/29/2012

Evaluated by: David Germano  Date: 8/29/2012

Area Walk-By Checklist (AWC)

AWC # SP1-WB-004

Status Y N U

Location: Bldg. TURBINE Floor El. 9' Room, Area UI SW PIT (EAST)

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A
CR 486147 - SW pit level indicator 1-DA-LS-116A is not anchored to concrete slab. It is not a seismic concern – no targets.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A
CR 486171 – The pipe support near 1-SW-495 has more than minor degradation of bolt cross section (at projections) and an area of section loss on the base plate. Not critical to support of pipe. Suggest repairing.

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A
CR 486148 – conduit anchorage on west wall of pit is loose (e.g., Unistrut bar) and a 1" conduit clamp is loose.

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-004

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U


Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-005*

Reference: Drawing 11448-FC-2R

CR 486150 and 486159 – leakage was noted on pipe unions upstream of 1-SW-887 and 1-SW-938, bromination piping, <1 dpm, mark on floor, greenish blue staining present on brass or bronze fittings downstream (verdigris).

CR 486163 – lights out in pit.

Evaluated by: Tim Wattleworth  for T. Tol. per telecon Date: 8/24/12

Evaluated by: Matthew Winter  Date: 8/24/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-006

Status Y N U

Location: Bldg. MSVH Floor El. 27' Room, Area U1 AFW PUMP AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-006

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

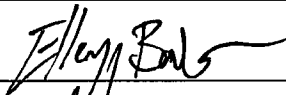
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-007, 009, 023, 034, 038, 097*

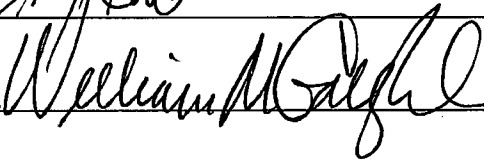
*Heat trace junction box support frame south of MDAFWPs is missing, grout under East baseplate.
Not a seismic concern.*

Evaluated by: Ellery Baker



Date: 8/21/12

Evaluated by: William Gallagher, Sr.



Date: 8/21/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-008

Status Y N U

Location: Bldg. AUX Floor El. 15' Room, Area U1 CABLE VAULT AND TUNNEL

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

1-PEN-PI-50 is missing one bolt (out of four) connecting it to vertical cable tray Run 11 at containment wall. It does not appear as if the bolt was ever installed because of alignment issues. Both SWEs agree that three bolts are adequate to seismically support the pressure indicator.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

Duct support at South-East corner of room (Unit 1 cable vault): threaded rod on West side of duct, but not on East side. The East side has angle drilled for threaded rod, but none present because of cable tray above. Judged to be acceptable based on adjacent supports being adequate.

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

-Overhead fluorescent lights were addressed during USI A-46/ IPEEE and determined not to be a seismic concern.

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-008

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-010, 090*

Evaluated by: Daniel J. Vasquez  Date: 8/23/12

Evaluated by: David Germano  Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-009

Status Y N U

Location: Bldg. SERVICE Floor El. 9'-6" Room, Area U1/U2 ESGR (including Relay Rooms)

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- | | |
|--|--|
| 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> U <input type="checkbox"/> N/A <input type="checkbox"/> |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> U <input type="checkbox"/> N/A <input type="checkbox"/> |
| 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> U <input type="checkbox"/> N/A <input type="checkbox"/> |
| 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> U <input type="checkbox"/> N/A <input type="checkbox"/> |
| <ul style="list-style-type: none"> - <i>Fluorescent lighting in the overhead – addressed during US1 A-46/ IPEEE → not a seismic concern</i> | |
| 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> U <input type="checkbox"/> N/A <input type="checkbox"/> |
| 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> U <input type="checkbox"/> N/A <input type="checkbox"/> |

Area Walk-By Checklist (AWC)

AWC # SP1-WB-009

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A
Mobile fire extinguishing unit adjacent to 2J1 Load Center and 2J Load Center – unstable and not supported adequately to prevent interaction with load centers. CR 485502 submitted.

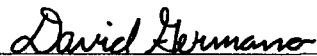
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U
1) *2-VS-AC-7 corroded bolting on outlet header flange (top). 3 out of 4 bolts corroded. 1 flange bolt corroded on inlet flange. Source of water may be leaking threaded connection at 2-VS-T1-217.*
2) *Corroded pipe support bolting 1-VS-1040 and 1-VS-1035*

*CR 485500 and CR 486138 submitted for Item 1.
CR 485530 and CR 486137 submitted for Item 2.*

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-011, 014, 015, 016, 017, 074
SP2-WD-SWEL-012, 013, 014, 068, 073*

Evaluated by: Daniel J. Vasquez  Date: 8/21/12

Evaluated by: David Germano  Date: 8/21/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-010

Status Y N U

Location: Bldg. TURB Floor El. 9'-6" Room, Area MER 5

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-010

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

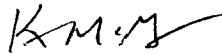
*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-012, 032, 063*

Evaluated by: Larry Cullivan



Date: 8/23/12

Evaluated by: Kevin McGuire



Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-011

Status Y N U

Location: Bldg. SERVICE Floor El. 45' Room, Area UI CABLE SPREADING ROOM (RTB CUBICLE Only)

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-011


6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-013

Evaluated by: Daniel J. Vasquez  Date: 8/22/12

Evaluated by: David Germano  Date: 8/22/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-012

Status Y N U

Location: Bldg. SERVICE Floor El. 27' Room, Area CONTROL ROOM (UNIT 1 SIDE)

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A
Light diffusers in Main Control Room clipped per USI A-46/ IPEEE recommendations to protect operators.

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-012

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

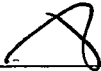
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

A clock mounted to conduit above the Heat Trace Monitoring CTS Panel was discussed between the two Seismic Walkdown Engineers (SWEs). Both SWEs agreed that the clock mounting was adequate.

Comments (Additional pages may be added as necessary)


*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-018, 067*

Evaluated by: Daniel J. Vasquez



Date: 8/23/12

Evaluated by: David Germano



Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-013

Status Y N U

Location: Bldg. AUX Floor El. 27' Room, Area U1 AB

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-013

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

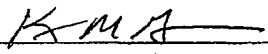
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-019

Evaluated by: Larry Cullivan  Date: 8/24/12

Evaluated by: Kevin McGuire  Date: 8/24/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-014

Status Y N U

Location: Bldg. AUX Floor El. 2' Room, Area UI CH PUMP CUBICLE A

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-014


6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-020

Evaluated by: William Gallagher, Sr.  Date: 8/22/12

Evaluated by: Ellery Baker  Date: 8/22/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-015

Status Y N U

Location: Bldg. FOPH Floor El. 16' Room, Area FO PUMP HOUSE

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-015

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

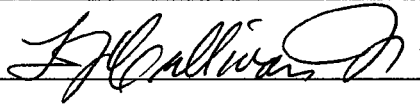
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

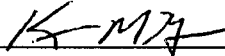
*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-021*

Evaluated by: Larry Cullivan



Date: 8/22/12

Evaluated by: Kevin McGuire



Date: 8/22/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-017

Status Y N U

Location: Bldg. CSPH Floor El. 11 Room, Area _____

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-017

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-024, 047*

Evaluated by: Larry Cullivan



Date: 8/22/12

Evaluated by: Kevin McGuire



Date: 8/22/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-018

Status Y N U

Location: Bldg. AUX Floor El. 2' Room, Area UI AB (CC PUMP AREA)

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-018

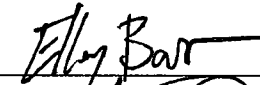
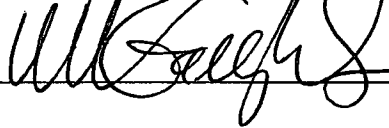
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U
Heat trace boxes H7-7B 2B/D and 2A/D support frame base plates are not grouted and do not have shims under (no surface to bear on). Should be grouted or shims installed. Not a seismic concern. Submitted CR 485682.

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-025*

Evaluated by: Ellery Baker  Date: 8/22/12
Evaluated by: William Gallagher, Sr.  Date: 8/22/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-019

Status Y N U

Location: Bldg. FPH Floor El. 15' Room, Area FIRE PUMP HOUSE

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-019

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-026*

Evaluated by: Larry Cullivan



Date: 8/22/12

Evaluated by: Kevin McGuire



Date: 8/22/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-020

Status Y N U

Location: Bldg. AUX Floor El. 2' Room, Area UI AB

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A
CR 486176 was submitted for a spring hanger on line 3"-CC-73-151. This support has significant corrosion but is considered functional.

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-020

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

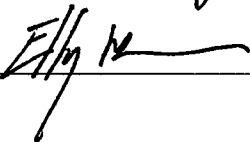
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-027, 040, 041, 077, 084

CR 485970 was submitted to document abandoned in place Copper Tubing labeled "Argon". The line is 1" diameter at the AB Basement elevation on the Unit 1 side of the AB. The piping increases in diameter to 2" between Unit 1 and Unit 2 AB Basement. The piping is sometimes attached to existing supports or routed through pipe supports so that the position will be maintained during and after a seismic event.

Evaluated by: William Gallagher, Sr.  Date: 8/27/12

Evaluated by: Ellery Baker  Date: 8/27/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-021

Status Y N U

Location: Bldg. ESPH Floor El. 18' Room, Area ESPH

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A
CR 486256 – 1 of 4 anchor bolts (Southwest corner) broken off for pipe support to 1-SW-288 and -289. Supports upstream and downstream are solid (satisfactory).

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-021

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

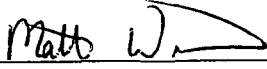
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U
1-SW-P-1A and -1B engine concrete pedestals have been previously reported for cracked/spalled concrete. Reference CR 018353, CR 369643, and CR 436313.

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-029, 070, 076, 089, 096*

*CR 486287: 1-ELT-LF-141A, both lights hanging by wires
CR 486291: five of eight lights are out
CR 486293: epoxy flooring is delaminating in two locations
CR 486297: water standing near south door (1-BS-DR-1S20-2)*

Evaluated by: Matthew Winter  Date: 8/27/12

Evaluated by: Ellery Baker  Date: 8/27/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-022

Status Y N U

Location: Bldg. SFGD Floor El. 12' Room, Area UI RS/SI PUMP AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-022

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

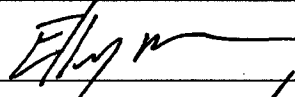
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

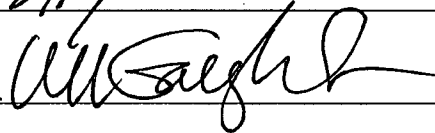
Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-030, 031

Evaluated by: Ellery Baker



Date: 8/22/12

Evaluated by: William Gallagher, Sr.



Date: 8/22/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-024

Status Y N U

Location: Bldg. MSVH Floor El. 40' Room, Area GA/5.6

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-024

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

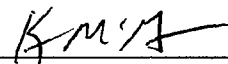
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-037*

Evaluated by: Larry Cullivan  Date: 8/23/12

Evaluated by: Kevin McGuire  Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-026

Status Y N U

Location: Bldg. SERVICE Floor El. 42' Room, Area MER 1

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-026

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

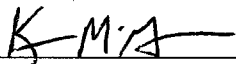
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-042, 052, 053*

Evaluated by: Larry Cullivan  Date: 8/23/12

Evaluated by: Kevin McGuire  Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-030

Status Y N U

Location: Bldg. TURB Floor El. 9' Room, Area UI CONDENSER AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

- 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

- 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

Note:

CR 485536 – too far between supports for conduit on south wall condenser inlet pit, 14' for 1" to 1 1/4" conduit at waterbox 1B (1-CW-LS-106B3, etc) access platform. Add support as appropriate.

CR 485554 – also conduit on condenser under 1C inlet for 1-CW-LS-107B1 is loose, tighten and support

CR 485567 – hanger clamp loose for 1 1/4" conduit, 8' west of valve SW-100A. Tighten as appropriate.

CR 485753 – hanger clamp loose for 2 1/2" conduit, north of valve SW-100A. Tighten as appropriate.

All above are determined not to be a seismic concern.

- 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

 - 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A
- CR 485569 – bottom bolts for access ladder from Elevation 10' to the Amertap pit has loose bolts*
- CR 485552 – loose floor bolt on 1-CW-SHLD-106B1 north panel, no significant challenge to function, tighten or replace as appropriate.*

Area Walk-By Checklist (AWC)

AWC # SP1-WB-030

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

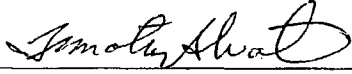
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U


Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-048, 049, 050*

Drawings 11448-FC-2C and 11548-FC-2F

- CR 485559: 1-CW-25 through wall leak at bottom of valve on condenser side (upstream)*
- CR 485560: 1-CW-116 crack in pipe on upstream side of valve*
- CR 485566: Potential groundwater leakage at 1-CW-1A discharge pipe to concrete wall in pit, Amertap pit in wall 2 o'clock (facing north)*
- CR 485556: unterminated wires east wall of condenser inlet pit*

Evaluated by: Tim Wattleworth  Date: 8/21/12

Evaluated by: Matthew Winter  Date: 8/21/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-031

Status Y N U

Location: Bldg. TURB Floor El. 9' Room, Area UI SW Pit (West)

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A
Note: Grating panel east of entrance, 1 of 3 clips loose; north of entrance, 1 of 4 clips loose. Not seismically challenged. CR 485518

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-031

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)


Associated Seismic Walkdown Checklists:

SP1-WD-SWEL-051

SP1-WD-SWEL-004

Reference Drawing 11448-FC-2C

Evaluated by: Tim Wattleworth



Date: 8/21/12

Evaluated by: Matthew Winter



Date: 8/21/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-034

Status Y N U

Location: Bldg. AUX Floor El. 47' Room, Area UI AB

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-034

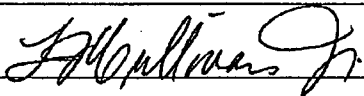
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

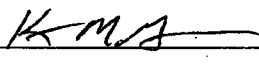
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-057, 058*

Evaluated by: Larry Cullivan  Date: 8/24/12

Evaluated by: Kevin McGuire  Date: 8/24/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-035

Status Y N U

Location: Bldg. YARD Floor El. 27' Room, Area UI RWST AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-035

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

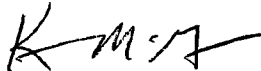
*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-061, 079, 087*

Evaluated by: Larry Cullivan



Date: 8/21/12

Evaluated by: Kevin McGuire



Date: 8/21/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-038

Status Y N U

Location: Bldg. SERVICE Floor El. 27' Room, Area MCR COMPUTER ROOM #1

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A
-Drop ceiling in the overhead in the Computer Room. This is acceptable since there are no seismically sensitive targets.

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-038

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A


7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

- 1) *Mobile cart with printer and monitor to east of 1-R1-CAB-1-1. Potential seismic housekeeping issue → subsequent research shows that the Hathaway cabinets are non-safety, non-seismic. Since the Hathaway cabinet (1-R1-CAB-1-1) is non-safety, non-seismic, there are no seismic housekeeping concerns.*
- 2) *Computer desk with printers and monitor in computer room on west side is sufficiently clear of potentially seismically sensitive targets.*
- 3) *Equipment rack in North-East corner of computer room has unsecured laptop and router that could fall → no seismic sensitive items as targets, therefore, acceptable.*

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-069, 073*

Evaluated by: Daniel J. Vasquez  Date: 8/23/12

Evaluated by: David Germano  Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-039

Status Y N U

Location: Bldg. SERVICE Floor El. 9'-6" Room, Area U1 SERVICE Near 1-VS-AC-7

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A
 - 1) *Baseplate for 1-EPL-BCR-150 and -151 shimmed below SE anchor bolt and NE bolt. Acceptable.*

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A
 - 1) *Cable tray along west side of 1-VS-AC-6 close to unit noted in USI A-46 SEWS.*
 - 2) *Fluorescent lighting throughout room. Fluorescent lighting was addressed during USI A-46/ IPEEE and concluded not to be a seismic concern.*
 - 3) *Unit 1 EHC Cabinet to east of 1-EP-CS-100 – door not secured → potential seismic interactions with 1-EP-CS-100 and overhead FP line.
Discussed issue with Operations and I&C, submitted CR 486390.*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

-Halon lines well supported.

Area Walk-By Checklist (AWC)

AWC # SP1-WB-039

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

1) Monitor/keyboard for ESOMS kiosk 14 resting atop telecom cabinet → no sensitive targets. Acceptable

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-060, 091

-Hair line cracking in dividing wall between 1-VS-AC-6 and 1J switchgear. Superficial only. Acceptable.

Evaluated by: Daniel J. Vasquez  Date: 8/20/12

Evaluated by: David Germano  Date: 8/20/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-040

Status Y N U

Location: Bldg. SERVICE Floor El. 27' Room, Area U1 SERVICE (Unit 1 AC Room)

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

Baseplate for pipe support on north wall behind 1-VS-AC-2 has gap between plate and wall → < 1/4" therefore acceptable per GIP

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

Duct support above 1-VS-AC-2 has threaded rod that is out-of-plumb. Both Seismic Walkdown Engineers (SWEs) agree that support remains adequate to support duct work.

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

Overhead fluorescent lighting was addressed during USI A-46/ IPEEE → not a seismic concern

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-040

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U
1) 1-VS-FE-101 → corroded bolting on flow element. Also, corroded bolting on pipe support upstream of FE.
2) Corrosion on 1-VS-217

Condition Reports: CR 485515 submitted to address the corroded bolting on the flow element; CR 486151 submitted to address the corroded bolting on the pipe support; and CR 486154 submitted to address the corrosion on 1-VS-217.

Comments (Additional pages may be added as necessary)

Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-059, 092

Evaluated by: Daniel J. Vasquez  Date: 8/21/12

Evaluated by: David Germano  Date: 8/21/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-041

Status Y N U

Location: Bldg. YARD Floor El. 27' Room, Area UI ECST AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-041

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

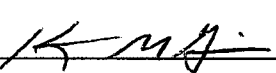
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-078, 094*

Evaluated by: Larry Cullivan  Date: 8/21/12

Evaluated by: Kevin McGuire  Date: 8/21/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-042

Status Y N U

Location: Bldg. AUX Floor El. 13' Room, Area UI AB

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-042

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

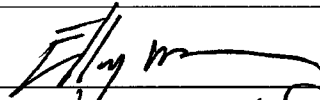
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-080, 085, 086

Evaluated by: Ellery Baker



Date: 8/24/12

Evaluated by: William Gallagher, Sr



Date: 8/24/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-045

Status Y N U

Location: Bldg. TURB Floor El. 9' Room, Area CC HX AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A
-Noted a 1" pipe rod hanger unattached above 1-CC-E-1A. The supports upstream and downstream of this location are adequately supporting the pipe. CR485535 submitted to re-attach hanger.
-Noted a 1" pipe support missing U-bolt above 1-CC-E-1B. The support is providing adequate vertical support at this location and is not a seismic concern. CR485533 submitted to re-install U-bolt to hanger.

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-045

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

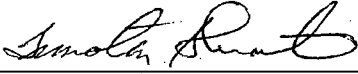
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-093*

*CR 485544 Loose bolt on Platform (West end) to access 1-CC-E-1A at NE leg
CR 485540 FME concern open vents
CR 485527 Conduit Clamps unattached on vertical run of conduit above 1-CC-E-1C*

Evaluated by: Tim Wattleworth  Date: 8/21/12

Evaluated by: Matthew Winter  Date: 8/21/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-047

Status Y N U

Location: Bldg. SERVICE Floor El. 9'-6" Room, Area UI BATTERY ROOM A

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-047


6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A


7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-072*

Evaluated by: Tim Wattleworth  Date: 8/23/12

Evaluated by: Matthew Winter  Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP1-WB-048

Status Y N U

Location: Bldg. CSPH Floor El. 27' Room, Area UI CSPH

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP1-WB-048

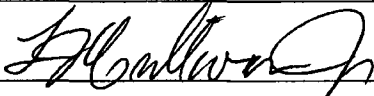
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

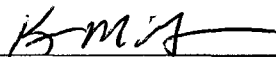
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-022

Evaluated by: Larry Cullivan  Date: 8/24/12

Evaluated by: Kevin McGuire  Date: 8/24/12

Appendix F
Unit 2 Area Walk-by Checklists

Area Walk-By Checklist (AWC)

AWC # SP2-WB-001

Status Y N U

Location: Bldg. AUX Floor El. 2' Room, Area U2 CH PUMP CUBICLE C

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-001

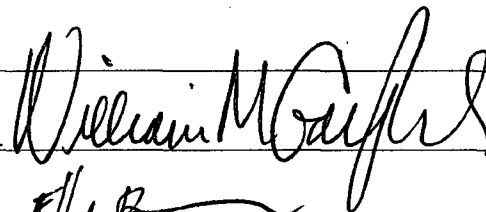
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

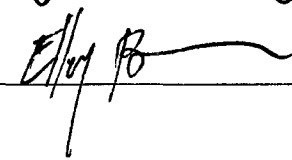
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-001*

Evaluated by: William Gallagher, Sr.  Date: 8/23/12

Evaluated by: Ellery Baker  Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-002

Status Y N U

Location: Bldg. TURB Floor El. 9' Room, Area U2 SW PIT (WEST SIDE)

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-002

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

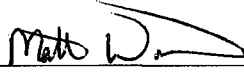
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-002, 050

CR 485960: Replace sealant at ground wire penetration in east wall, south side, mid height (2-SW-MOV-201B) and west wall south side, mid height. Not significant flood concern.

Evaluated by: Matthew Winter  Date: 8/23/12

Evaluated by: Tim Wattleworth  For T.W. per takecov. Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-004

Status Y N U

Location: Bldg. MSVH Floor El. 27'-6" Room, Area U2 AFW PUMP AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-004

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-006, 008, 018, 019, 031, 034, 098.*

*Noted WR Tag hung at 2-MS-PCV-202B (ref CR 463734)
WO 38103082383 1 bolt on "A" deficient*

Evaluated by: Ellery Baker

Date: 8/21/12

Evaluated by: William Gallagher, Sr.

Date: 8/21/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-006

Status Y N U

Location: Bldg. AUX Floor El. 15' Room, Area U2 CABLE VAULT

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

-Anchor bolt missing from cable tray support in the North-East corner of the U2 cable vault (Penetration 1E). CR 485708 submitted.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

-Cable tray CRI has missing washer at one support. This is minor and is not a seismic concern.

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

-Fluorescent lighting was evaluated during USI A-46/ IPEEE and determined not to be a seismic concern.

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

-Fire protection line to North-East of 2-EP-MCC-2H1-2N has long unsupported span. Refer to SP2-WD-SWEL-009 for disposition.

Area Walk-By Checklist (AWC)

AWC # SP2-WB-006

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-009, 092*

Evaluated by: David Germano *David Germano* Date: 8/22/12

Evaluated by: Daniel J. Vasquez *[Signature]* Date: 8/22/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-007

Status Y N U

Location: Bldg. SERVICE Floor El. 9'-6" Room, Area U2 BATTERY ROOM A

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-007

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

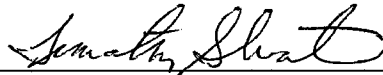
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-069*

Evaluated by: Tim Wattleworth



Date: 8/23/12

Evaluated by: Matthew Winter



Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-008

Status Y N U

Location: Bldg. SERVICE Floor El. 45' Room, Area U2 CABLE SPREADING ROOM (RTB CUBICLE Only)

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-008


6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-011*

Evaluated by: Daniel J. Vasquez  Date: 8/22/2012

Evaluated by: David Germano  Date: 8/22/2012

Area Walk-By Checklist (AWC)

AWC # SP2-WB-010

Status Y N U

Location: Bldg. AUX Floor El. 2' Room, Area U2 CH PUMP CUBICLE A

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-010

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

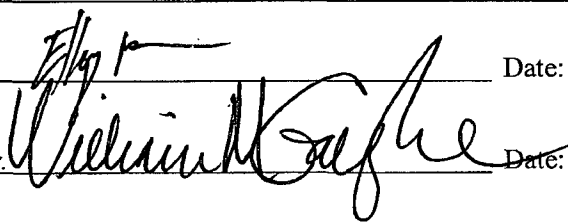
*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-016, 043*

Evaluated by: Ellery Baker

Date: 8/23/12

Evaluated by: William Gallagher, Sr.

Date: 8/23/12



Area Walk-By Checklist (AWC)

AWC # SP2-WB-011

Status Y N U

Location: Bldg. AUX Floor El. 13' Room, Area BAST AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-011

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

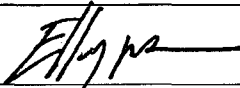
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-017, 082, 088, 089

Evaluated by: Ellery Baker



Date: 8/24/12

Evaluated by: William Gallagher, Sr



Date: 8/24/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-013

Status Y N U

Location: Bldg. CSPH Floor El. 11' Room, Area U2 SFGD

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-013

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A


7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-021, 045, 061*

Evaluated by: Larry Cullivan  Date: 8/22/12

Evaluated by: Kevin McGuire  Date: 8/22/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-014

Status Y N U

Location: Bldg. SERVICE Floor El. 9' Room, Area MER 4

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A
All anchors were previously tested per ET-S-0070020.

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-014

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-024, 042, 083*

Evaluated by: Larry Cullivan *Larry Cullivan* Date: 8/29/2012

Evaluated by: David Germano *David Germano* Date: 8/29/2012

Area Walk-By Checklist (AWC)

AWC # SP2-WB-015

Status Y N U

Location: Bldg. SFGD Floor El. 12' Room, Area U2 RS/SI PUMP AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A
See Comments section below

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-015

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A
-
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U
See Comments section below.

Comments (Additional pages may be added as necessary)

The SI piping to the seal head tank through 2-SI-201 at 02-SI-P-1A and 2-SI-205 at 2-SI-P-1B is attached to the Reactor Containment wall at one point and the Safeguards Building at all other building attachment supports. The piping transitions to 1/2" diameter tubing between the 3/4" piping and the pump. As a result there is adequate flexibility between the Containment Building and the SI Pump and associated inlet and outlet piping supported on the Safeguards Building. The Containment Building and Safeguards Building supported piping adequately provides for the relative displacement between the two buildings which is not expected to exceed 1/2" at this point.

The 02-RS-P-2B pump is supported laterally through a vibration control ring to a Containment Building wall mounted support through friction pads (i.e., non linear support). While the pads are fully engaged, there is no relative movement between the Containment Building and pump through the seal head tank. The concrete contact point on 02-RS-TK-2B is on a small tank flange point that is tangent to the Containment Building wall. As a result, the adverse consequences of this condition is limited and not considered sufficient to result in seal head tank failure. This condition is reported in and will be fully addressed in the corrective actions for CR 485627.

Heat tracing flexible conduit at 02-RS-P-2B is not well connected to the rigid conduit. There is no added stress on the enclosed cable. This condition does not affect the function of the heat tracing. CR486224 was submitted to document this condition.

Evaluated by: William Gallagher, Sr.  Date: 8/21/12

Evaluated by: Ellery Baker  Date: 8/21/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-019

Status Y N U

Location: Bldg. AUX Floor El. 2' Room, Area PENETRATION AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-019

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-036, 038, 075, 087*

*Abandoned argon pipe system maintains position based on continuity through overhead rigid supports
→ not a seismic concern. CR 485970 was written to document argon piping in overhead supported
on non standard supports for both units.*

Evaluated by: Ellery Baker

Date: 8/24/12

Evaluated by: William Gallagher, Sr.

Date: 8/24/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-020

Status Y N U

Location: Bldg. MSVH Floor El. 40' Room, Area _____

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-020

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-037*

Evaluated by: Larry Cullivan  Date: 8/23/12

Evaluated by: Kevin McGuire  Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-021

Status Y N U

Location: Bldg. SERVICE Floor El. 42' Room, Area MER 2

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-021

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

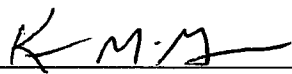
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-039, 051, 052*

Evaluated by: Larry Sullivan  Date: 8/23/12

Evaluated by: Kevin McGuire  Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-024

Status Y N U

Location: Bldg. TURB Floor El. 9' Room, Area U2 CONDENSER AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-024

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

Associated Seismic Walkdown Checklists:

SP2-WD-SWEL-046, 047, 048

Reference: drawings 11548-FC-2F, 11448-FC-2K

See next page for CRs.

Evaluated by: Tim Wattleworth Matt Winter for T.W. per telecon Date: 8/23/12

Evaluated by: Matthew Winter Matt Winter Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-028

Status Y N U

Location: Bldg. YARD Floor El. 27' Room, Area U2 RWST AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-028


6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

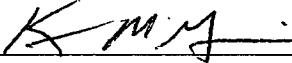
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-062, 078, 090, 093*

Evaluated by: Larry Cullivan  Date: 8/21/12

Evaluated by: Kevin McGuire  Date: 8/21/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-029

Status Y N U

Location: Bldg. SERVICE Floor El. 27' Room, Area EDG 2 ROOM

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A
-Refer to 2-EE-B-EG2 for resolution to anchor bolt issue on the southernmost baseplate (SP2-WD-SWEL-071).

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A
SA line above 2-EE-B-EG2 supported by angle braced cantilever supports and clamped with vertical lateral supports approximately 16' apart → judged by both SWEs to be seismically adequate to support the SA line.

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A
-Large overhead lights secured to Unistrut that is rod-hung. Not a seismic concern.

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-029

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

-Unanchored catch container from 2-EG-2, on the floor no sensitive interaction targets nearby – no seismic concern.

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-074, 091, 099*

-Large spall in missile shield; this was identified during maintenance rule inspections and entered into the corrective action system.

Evaluated by: David Germano *David Germano* Date: 8/24/12

Evaluated by: Daniel J. Vasquez *[Signature]* Date: 8/24/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-030

Status Y N U

Location: Bldg. TURB Floor El. 9' Room, Area 1A COMPRESSOR AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

*-CR 486209 – clamp loose on 1" conduit in overhead, conduit extends to junction box with 1-IA-TV-125/126 IA Dryer, 1-IA-CP-125, 1-IA-XFMR-100, 1-IA-PS-125, 1-IA-SOV-125 and 126, 3 feet north of T50.
 -CR 486208 – junction box cover for 2-IA-TS-HATS and -HWTS is loose (3 of 4 bolts missing) (high air/high water)
 CR 486199 – conduit to 1-SA-FI-1 flow indicator has loose clamp → not a seismic concern
 CR 486196 – no grout pad instrument air tank 1-IA-TK-1, previously identified by CR 477338 → not a seismic concern*

These issues were determined not to be a seismic concern.

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-030

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

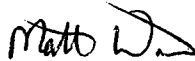
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

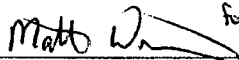
Associated Seismic Walkdown Checklists:
SP1-WD-SWEL-065
SP2-WD-SWEL-064

Evaluated by: Matthew Winter



Date: 8/24/12

Evaluated by: Tim Wattleworth



for T.W. per telecon

Date: 8/24/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-031

Status Y N U

Location: Bldg. YARD Floor El. 27' Room, Area U2 ECST AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-031

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)


*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-076, 096*

Evaluated by: Larry Cullivan



Date: 8/21/12

Evaluated by: Kevin McGuire



Date: 8/21/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-038

Status Y N U

Location: Bldg. FUEL Floor El. 6' to 14' Room, Area SFP COOLER AREA

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A
-Pipe support upstream of 1-FC-14 not tight to ceiling. Submitted CR 486528.
-Pipe support upstream of 1-FC-4 not tight to wall (approximately 1/4" to 3/8"). Second support (vert/lat) upstream of 1-FC-4. Submitted CR 486523.
-First pipe support on EC outlet, east baseplate not tight against wall at top and bottom but is tight at middle (~3/8" gap). Submitted CR 486527.
The above CRs are determined not to be a seismic concern.
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A
-CR 486477 – 3" conduit support not attached to Unistrut, approximately 12' span, supported upstream and downstream of that location.
-CR 486482 – four loose ground wire clamps. Runs to 1-FC-P-3A.
The above CRs are determined not to be a seismic concern.
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-038

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

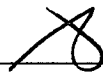
CR 486496 – HV-500-11 ventilation cart near north wall behind FC-1A8-1B is not secured to prevent tipping over during a seismic event. Potential interaction with 1-CC-418 and 1-CC-411 Storage of frames against north wall

The above CR is determined not to be a seismic concern.

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Daniel J. Vasquez



Date: 8/29/12

Evaluated by: Matthew Winter



Date: 8/29/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-040

Status Y N U

Location: Bldg. TURB Floor El. 9'-6" Room, Area U2 BATTERY ROOM B

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-040

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

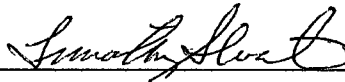
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-070*

Evaluated by: Tim Wattleworth



Date: 8/23/12

Evaluated by: Matthew Winter



Date: 8/23/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-041

Status Y N U

Location: Bldg. CSPH Floor El. 27' Room, Area U2 CSPH

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-041

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

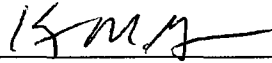
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Comments (Additional pages may be added as necessary)

*Associated Seismic Walkdown Checklists:
SP2-WD-SWEL-020*

Evaluated by: Larry Cullivan  Date: 8/24/12

Evaluated by: Kevin McGuire  Date: 8/24/12

Area Walk-By Checklist (AWC)

AWC # SP2-WB-042

Status Y N U

Location: Bldg. AB Floor El. 13' Room, Area U2 AB

Instructions for Completing Checklist

This checklist shall be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

Area Walk-By Checklist (AWC)

AWC # SP2-WB-042

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

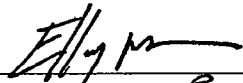
Comments (Additional pages may be added as necessary)

Associated Seismic Walkdown Checklists:

SP2-WD-SWEL-032

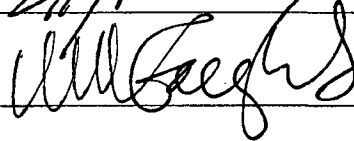
SP2-WD-SWEL-035

Evaluated by: Ellery Baker



Date: 8/24/12

Evaluated by: William Gallagher, Sr.



Date: 8/24/12