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ADUI



July 12, 2013

U.S. Nuclear Regulatory Commission 11555 Rockville Pike Rockville, MD 20852

ATTENTION: Document Control Desk

SUBJECT: Nine Mile Point Nuclear Station, Unit 1 Renewed Facility Operating License No. DPR-63 Docket No. 50-220

Supplemental Response to 10 CFR 50.54(f) Request for Information, Recommendation 2.3, Seismic

REFERENCES:

- (a) Letter from E. J. Leeds (NRC) and M. R. Johnson (NRC) to All Power Reactor Licensees and Holders of Construction Permits in Active or Deferred Status, dated March 12, 2012, 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, ML12073A348
- (b) Letter from M. G. Korsnick (CENG) to Document Control Desk (NRC), dated November 27, 2012, Response to 10 CFR 50.54(f) Request for Information, Recommendation 2.3, Seismic

On March 12, 2012, the U.S. Nuclear Regulatory Commission (NRC) issued Reference (a) to all power reactor licensees. The NRC letter requests further information from addressees to support the evaluation of NRC Staff Recommendation 2.3: Seismic from the Near-Term Task Force review of the accident at the Fukushima Dai-ichi nuclear facility.

Reference (b) is the Nine Mile Point Nuclear Station, LLC (NMPNS) Unit 1 (NMP1) response to the request in Reference (a). In that response a regulatory commitment was made to submit an updated walkdown report 60 days after the end of the Spring 2013 refueling outage.

As stated in Attachment 1 of Reference (b), NMP1 completed walkdowns for the Seismic Walkdown Equipment List (SWEL) items except for twelve electrical cabinets, including four equipment anchorage verifications. Table E-1 of Reference (b) summarized the remaining components subject to follow-up inspections. This letter satisfies the Regulatory Commitment made in Reference (b) by providing the seismic walkdown results for the follow-up inspections of equipment anchorages and electrical cabinets. NMP1 has completed its seismic walkdowns requested by Reference (a).

Constellation Energy Nuclear Group, LLC 100 Constellation Way, Suite 200C, Baltimore, MD 21202 Document Control Desk July 12, 2013 Page 2

Attachment (1) provides the seismic walkdown results for the follow-up inspections of equipment anchorages and electrical cabinets.

This letter does not contain any regulatory commitments.

If there are any questions regarding this submittal, please contact Everett (Chip) Perkins everett.perkins@cengllc.com at 410-470-3928.

I declare under penalty of perjury that the foregoing is true and correct. Executed on July 12, 2013.

Sincerely, an (James A. Spina

JAS/STD

Attachments (1): Supplemental Seismic Walkdown Report

cc: B. K. Vaidya, NRC M. C. Thadani, NRC N. S. Morgan, NRC W. M. Dean, NRC Resident Inspector, Nine Mile Point

ATTACHMENT (1)

SUPPLEMENTAL SEISMIC WALKDOWN REPORT

SUPPLEMENTAL SEISMIC WALKDOWN REPORT

IN RESPONSE TO THE 50.54(f) INFORMATION REQUEST REGARDING FUKUSHIMA NEAR-TERM TASK FORCE RECOMMENDATION 2.3: SEISMIC

for the

NINE MILE POINT NUCLEAR STATION UNIT 1

Facility Operating License No. DPR-63 NRC Docket No. 50-220

CONSTELLATION

Nine Mile Point Nuclear Station, LLC 348 Lake Road Oswego, NY 13126

	Prepare Nine Mile Point Nuc Engineering	ed by: clear Station, LLC Services	
Preparer: Reviewer: Approver:	Printed Name Michael Conway Joshua Rocks Katherine Picciott	Signature James Concept	<u>Date</u> 6-24-13 6/24/2013
Peer Review Team Leader:	Irineo Ferrer	fund for	6/24/2013

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Executive Summary

This Supplemental Seismic Walkdown Report documents walkdowns performed at Nine Mile Point Nuclear Station, Unit 1 (NMP1) for components that were not accessible during the initial walkdowns and were not included in the response to 10 CFR 50.54(f) Request for Information, Recommendation 2.3, Seismic (Reference 3). These seismic walkdowns did not identify any adverse seismic conditions that required licensing basis evaluations or evaluation by the Nine Mile Point Nuclear Station Corrective Action Program.

EPRI Technical Report 1025286 (Reference 1) was used to perform the engineering walkdowns and evaluations described in this report. In accordance with Reference 1, the following topics are addressed in the subsequent sections of this report.

- Personnel Qualifications
- Selection of Systems, Structures, and Components (SSCs)
- Seismic Walkdowns and Area Walk-Bys
- Seismic Licensing Basis Evaluations
- Peer Review

Personnel Qualifications

Personnel qualifications are discussed in Section 2 of this report. The personnel who performed the key activities required to fulfill the objectives and requirements of Reference 2 are qualified and trained as required in EPRI Technical Report 1025286 (Reference 1). These personnel are responsible for:

- · Performing the Seismic Walkdowns and Area Walk-Bys
- · Performing the seismic licensing basis evaluations, as applicable
- · Performing the peer reviews

Selection of SSCs

Selection of SSCs was completed and documented within Reference 3. This supplemental report documents in Section 3 an alternate component that was selected by the Seismic Walkdown Engineers (SWE) when the original component was determined to be unavailable for inspection due to the component design configuration and physical location. PB-VB12 was selected as the alternate component for PB-VB11.

Seismic Walkdowns and Area Walk-Bys

Section 4 of this report documents the supplemental equipment Seismic Walkdowns and the Area Walk-Bys. The supplemental seismic walkdowns for NMP1 were performed in April and May of 2013 during Refueling Outage N1R22. The walkdown team consisted of two SWEs,

both from the station's Design Engineering group. Operations/Maintenance personnel were also available and called upon as needed for reviews and support.

The seismic walkdowns focused on the seismic adequacy of the items on the SWEL. The walkdowns focused on the following:

- Adverse anchorage conditions
- Adverse seismic spatial interactions
- Other adverse seismic conditions (e.g., degradation)
- Supplemental panel internal inspections

An Area Walk-By was conducted on Turbine Building 291' elevation during the supplemental seismic walkdowns that encompassed the component in that area. The SWEL item in this area is PB-VB12. The area walk-by was performed to identify potentially adverse seismic conditions associated with other SSCs located within the vicinity of the SWEL items. The key examination factors that were considered in the area walk-by included the following:

- Anchorage conditions (if visible without opening equipment)
- Significantly degraded equipment in the area
- Potential seismic interactions
- A visual assessment (from the floor) of cable/conduit raceways and HVAC ducting (e.g., condition of supports or fill conditions of cable tray)
- Potential adverse interactions that could cause flooding/spray and fire in the area
- Miscellaneous other conditions including conformance of temporary installations
 to general seismic housekeeping procedures

The seismic walkdown team walked down twelve deferred components on the NMP1 SWEL 1 list.

During the supplemental walkdowns, there were no adverse seismic conditions identified that challenged the licensing basis for the plant. No Condition Reports were issued as a result of these supplemental walkdowns.

Twelve Seismic Walkdown Checklists (SWC) and one Area Walkdown Checklists (AWC) were completed for the twelve components that were walked down.

Seismic Licensing Basis Evaluations

EPRI Technical Report 1025286, Section 5: Seismic Licensing Basis Evaluation provides a detailed process to perform and document seismic licensing basis evaluations of SSCs when potentially adverse seismic conditions are identified during the equipment seismic walkdowns or area walk-bys. The process provides a means to identify, evaluate and document how the identified potentially adverse seismic condition meets a station's seismic licensing basis without entering the condition into a station's Corrective Action Program (CAP). Further, the process directs that if a condition cannot be readily shown to meet the seismic licensing basis, the identified condition should be entered into the station's CAP where it will be determined that the condition does or does not meet the seismic licensing basis.

Constellation Energy Nuclear Group/NMP staff did not need to utilize the process provided in Reference 1 to perform and document seismic licensing bases evaluations of SSCs with a

potentially adverse seismic condition because no adverse conditions or questionable conditions were discovered.

Peer Reviews

A peer review team consisting of two qualified individuals was assembled and peer reviews were performed in accordance with EPRI Technical Report 1025286, Section 6: Peer Reviews (Reference 1). The peer review process included the following activities:

- Review of the checklists prepared for the seismic walkdowns and area walk-bys
- Review of licensing basis evaluations, as applicable
- Review of the submittal report
- Provided a summary report of the peer review process in the submittal report

Section 6 of this report contains the peer review summary report. The peer review determined that the objectives and requirements of the 50.54(f) letter (Reference 2) are met. Further, the efforts completed and documented within this report are in accordance with Reference 1.

Summary

In summary, the supplemental seismic walkdowns have been completed at Nine Mile Point Nuclear Station, Unit 1 in accordance with the NRC-endorsed walkdown methodology. No degraded, nonconforming, or unanalyzed conditions were identified as a result of these supplemental seismic walkdowns.

This report documents completion of all previously deferred Seismic Walkdowns required by Reference 2, for Recommendation 2.3: Seismic, at Nine Mile Point Nuclear Station Unit 1.

1 Introduction

1.1 Background

In response to the Near-Term Task Force (NTTF) Recommendation 2.3 and Reference 2, seismic walkdowns were performed at NMP1 in accordance with EPRI Technical Report 1025286 (Reference 1). Results of the walkdowns are documented in Reference 3. The walkdown team was unable to inspect some equipment at that time due to plant configuration and accessibility. This supplemental report documents completion of the twelve equipment items that required supplemental internal inspection from Reference 3.

1.2 Approach

In accordance with Reference 1, the following topics are addressed in the subsequent sections of this report:

- Personnel Qualifications
- Selection of SSCs
- Seismic Walkdowns and Area Walk-Bys
- Licensing Basis Evaluations
- Peer Review

2 Personnel Qualifications

2.1 Overview

This section of the report identifies the personnel that participated in the supplemental inspections for the NTTF 2.3 seismic walkdown effort. A description of the responsibilities of each seismic walkdown participant's role(s) is provided in Section 2 of Reference 1. Note that for this report, the only roles required were for the walkdown team, licensing basis reviewer, and peer reviewer. Personnel responsible for equipment selection and IPEEE review are noted in Section 3 of Reference 3.

2.2 Walkdown Personnel

Table 2-1 below summarizes the names and corresponding roles of personnel who participated in the NTTF 2.3 Supplemental Seismic Walkdown effort.

Table 2-1				
Personnel Role	Seismic Walkdown Engineer	Licensing Basis Reviewer	Peer Reviewer	
Mr. Joshua Rocks	x	x		
Mr. Jeff Park	x	x		
Mr. Irineo Ferrer			X ⁽¹⁾	
Mr. Joseph Mattera			х	

Note 1: Peer Review Team Leader

The following include a short synopsis of each individual's qualifications.

Joshua Rocks

Mr. Rocks is an engineer for the Nine Mile Point Nuclear Station (NMPNS) design engineering department, working in the civil structural group. Mr. Rocks has a BS and MS in Civil Engineering from the University at Buffalo, The State University of New York, and has completed the NTTF 2.3 Seismic Walkdown training course.

Jeff Park

Mr. Park is an engineer for the Nine Mile Point Nuclear Station (NMPNS) design engineering department, working in the civil structural group. Mr. Park has a BS in General Engineering from the US Military Academy, MS in Civil Engineering from the University of Arizona, Tucson, and is a SQUG Certified Engineer.

Irineo (Randy) Ferrer

Mr. Ferrer is a mechanical design engineer for the Nine Mile Point Nuclear Station (NMPNS) with over 30 years of experience related to design, construction and testing of plant equipment/systems and is involved in supporting the Fukushima NTTF recommendations. Mr. Ferrer has a BS in Nuclear Science from Virginia Polytechnic Institute and State University, and is a registered Professional Engineer in New York State.

Joseph Mattera

Mr. Mattera is a structural engineer supporting the Nine Mile Point Nuclear Station (NMPNS) Fukushima Response Team Project in NTTF Recommendation 2.1 Seismic with over 30 years of civil structural experience. Mr. Mattera has a BS in Civil Engineering from Wentworth Institute of Technology and has over 20 years of experience in the nuclear industry as a Structural Engineer with experience in the design of Category 1 structures and ASME Section III Class 1 piping supports. Mr. Mattera also has over 10 years of experience in building structures with the petrochemical and fossil fuel power plant industry.

3 Selection of SSCs

3.1 Overview

Section 4.0 of Reference 3 details the selection methodology utilized for this report and SWEL development. Selection of SSC's is outside the scope of work performed within this report.

3.2 Selection of Alternate Components

One originally selected component could not be inspected due to accessibility issues. In this case, the walkdown team inspected an alternate component (same equipment class) credited with performing the same function. The substitution of components due to equipment access conditions was discussed with the peer review team during the preparation of Section 4.0 of Reference 3. Table 3-1 provides an evaluation of the original NMP1 SWEL 1 component against the alternate component.

The alternate component was selected based upon similarity in class and function, from Reference 3, Appendix B, Table B-1 NMP Unit 1 Base List.

Tat	Table 3-1 Selection of Alternate Components Based on Plant Conditions				
Equipment Class	Original SWEL1 Component	Alternate Component	Basis For Change	Evaluation	
20	PB-VB11, POWER BOARD - 125VDC VALVE BOARD 11	PB-VB12, POWER BOARD - 125VDC VALVE BOARD 12	PB-VB11 is physically located against a building wall and access to anchorage would require panel disassembly in order to accomplish inspections.	Acceptable: PB-VB12 has the same equipment class (20) and safety functions (3, 4 & 5) as PB-VB11. Its configuration allows full accessibility for seismic inspections.	

4 Seismic Walkdowns and Area Walk-Bys

4.1 Overview

Twelve plant component seismic walkdowns were conducted in April and May 2013 during the N1R22 refueling outage. All inspections were performed by two-person teams of trained Seismic Walkdown Engineers in accordance with Reference 1. The seismic walkdowns and area walk-bys are discussed in more detail in the following sections.

4.2 Seismic Walkdowns

The components included in the seismic walkdowns are shown on the NMP1 SWEL 1 in Appendix B of Reference 3. A Seismic Walkdown Checklist (SWC) from Appendix C of Reference 1 was completed for each item on the SWEL. Additionally, photos are included with SWCs to provide a visual record of the walkdowns and are included in Appendix B. The list of equipment was subject to supplemental internal inspections because they were not opened during initial Walkdowns performed in 2012. These are cabinets with doors or panels with latches or thumbscrews that can readily be opened during normal maintenance activities. Internal inspections for these cabinets were completed.

4.2.1 Anchorage Configuration Confirmation

There were 65 equipment items in the combined SWEL1 and SWEL2 lists in Reference 3 that were eligible for anchorage configuration confirmations. Of the 41 equipment items chosen to have anchorage configuration confirmations performed only 39 had been completed. This report documents completion of the remaining 2 anchorage configuration confirmations. As required by Reference 1 (page 4-3), 50% of the items eligible were confirmed to have anchorage configurations consistent with plant documentation. Completion of 41 anchorage configurations of the 65 eligible exceeds the 50% requirement at 63% satisfying the requirement. Appendix B, Table B-1 indicates the anchorage configuration confirmation status for components as follows:

Y: components anchored to the civil structures that were confirmed to be consistent with plant configuration documentation.

N: components for which anchorage drawings were not designated for retrieval because they were not included in the 50% sample or they did not have specific anchorage associated with them because they were in-line equipment items.

N/A: components that are line-mounted and/or are not anchored to the civil structure and therefore do not count in the anchorage confirmation total. It is noted that Reference 1 includes Question 6 on the SWC's which asks, "Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?" and only provides for a Yes, No or Unknown answer choice. The answer for question 6 is therefore given a "Yes" when the answers to question 1 is "No" and questions 2 to 5 are either "N/A" or "Yes" on the check list.

4.2.2 Issues Identification during Seismic Walkdowns

There were no issues identified by the SWEs during the equipment walkdowns.

4.3 Area Walk-Bys

In accordance with Reference 1, an Area Walk-by Checklist (AWC) was performed for each room or area within a large room (35 foot radius) which included one or more items on the SWEL. Completed AWCs are included in Appendix C. These walk-bys include overhead areas and other equipment items not on the SWELs in the area. One AWC was completed for NMP1 during this supplemental walkdown.

4.3.1 Issue Identification during Area Walk-bys

No anomalies or issues were identified by the SWEs during the area walk-bys.

5 Licensing Basis Evaluations

There were no issues identified during the supplemental seismic walkdowns and area walk-bys determined to be a "Potentially Adverse Seismic Condition" that could have potentially challenged the site's licensing basis.

6 Peer Review

6.1 Peer Review Introduction

The peer review was performed in accordance with Reference 1. The scope of the Peer Review was limited to the following activities, as the SWEL development process has already been peer reviewed by the original peer review team:

- Observation of inspection activities conducted
- Review of all the checklists completed for the Seismic Walkdowns and Area Walk-Bys
- Review of the final submittal report
- The inclusion of a summary of the peer review process in the submittal report

6.2 Review of Checklist and Area Walk-bys

6.2.1 Walkdown Review and Review of Checklists

Mr. Irineo Ferrer and Mr. Joseph Mattera completed a peer review of all SWC's and AWC's completed by the SWE walkdown team.

Observations of the seismic inspection activities performed by the SWE team were conducted by Mr. Ferrer and Mr. Mattera in order to ascertain the quality and validate adherence to the Seismic Walkdown Guidance (Reference 1). Mr. Ferrer observed ~75% of the field inspections and Mr. Mattera observed 100% of the field inspections. Peer reviewer observations/comments are documented in Table 6-1 and Table 6-2.

	Table 6-1 Table of Peer Review Comments for SWC's			
COMP ID	SWEL 1 Item #	Description	Location	Observations/Comments
PB-161B	4	600V Power Board 161B	RB 261'	Based on observation of inspection activities performed, checklist responses are appropriate.
PB-167	5	600V Power Board including all cubicles	RB 281'	Based on observation of inspection activities performed, checklist responses are appropriate.

Table 6-1 Table of Peer Review Comments for SWC's				
COMP ID	SWEL 1 Item #	Description	Location	Observations/Comments
PB-16B	6	600V Power Board 16B	RB 281'	Based on observation of inspection activities performed, checklist responses are appropriate.
PB-102	7	Power Board 102	TB 261'	Based on observation of inspection activities performed, checklist responses are appropriate.
PNL-MTS162	64	UPS162 Manual Transfer Switch Panel	TB 277'	Based on observation of inspection activities performed, checklist responses are appropriate.
PB-BB11	65	125VDC Battery Board 11	TB 261'	Based on observation of inspection activities performed, checklist responses are appropriate.
TRS- (167)ASCO	67	Transfer Switch for PB 167	RB 281'	Based on observation of inspection activities performed, checklist responses are appropriate.
BC-B11-1	70	Static battery charger 161A	TB 261'	Based on observation of inspection activities performed, checklist responses are appropriate.
UPS- UPS162A	71	UPS 162A	TB 277'	Based on observation of inspection activities performed, checklist responses are appropriate.
PB-VB12	73	Power Board – 125VDC Valve Board 12 (substituted for PB-VB11)	TB 291'	Based on observation of inspection activities performed, checklist responses are appropriate.

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Table 6-1 Table of Peer Review Comments for SWC's				
COMP ID	SWEL 1 Item #	Description	Location	Observations/Comments
PNL-CP167	79	MG Set 167 Control Panel	TB 277'	Based on observation of inspection activities performed, checklist responses are appropriate.
PNL-CO2 (CARDOX CAB DG 102)	91	CARDOX Cabinet DG 102 Room	TB 261'	Based on observation of inspection activities performed, checklist responses are appropriate.

Table 6-2 Table of Peer Review Comments for AWC's				
Area #	Area Walkdown Description	Location	Observations/Comments	
32	Turbine Building – North Rows H – J, Columns 6 – 7, near PB-VB12	TB 291'	Based on interview and pictures provided, checklist responses are appropriate.	

6.2.2 Evaluation of Findings

No issues were identified during the peer review.

6.3 Review of Licensing Basis Evaluations

6.3.1 Overview of Licensing Basis Evaluations

Because there are no issues identified during the seismic walkdowns or area walk-bys, no formal licensing basis evaluations were required.

6.3.2 Insights and Recommendations

None

6.4 Review of Final Submittal Report and Sign-off

The supplemental inspection report has been reviewed by Mr. Irineo Ferrer and Mr. Mattera. The report was found to meet the requirements of Reference 1.

7 References

- 1. EPRI Technical Report 1025286, Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic, dated June 2012
- Letter from E. J. Leeds (NRC) and M. R. Johnson (NRC) to All Power Reactor Licensees and Holders of Construction Permits in Active or Deferred Status, dated March 12, 2012, 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
- 3. Letter from M. G. Korsnick (CENG) to Document Control Desk (NRC) dated November 27, 2012, Response to 10 CFR 50.54(f) Request for Information, Recommendation 2.3, Seismic

A Project Personnel Certificates

Joshua Rocks, SWE	A-2	
Jeff Park, SWE	A-3	3



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Nine Mile Point Nuclear Station Unit 1 Supplemental Seismic Walkdown Report

SQUG

Certificate of Achievement

This is to Certify liat

Jeffrey M. Park

bas Completed the SQUG Walkbown Screening and Seismic Coaluation Training Course



SQUG Representative

January 82-26, 2001

Troumer Course Accountation

B Seismic Walkdown Checklists (SWCs)

Table B-1. Summary of Seismic Walkdown Checklists Completed by NMP Personnel				
COMPONENT ID	SWEL Item #	DESCRIPTION	Anchorage Verification Confirmed?	PAGE
SWEL1 Items				
PB-161B	4	600V Power Board 161B	N	B-2
PB-167	5	600V Power Board including all cubicles	N	B-5
PB-16B (Note 1, 2)	6	600V Power Board 16B	Y	B-8
PB-102 (Note 1, 2)	7	Power Board 102	Y	B-11
PNL-MTS162	64	UPS162 Manual Transfer Switch Panel	N	B-14
PB-BB11 (Note 1)	65	125VDC Battery Board 11	N	B-17
TRS-(167)ASCO	67	Transfer Switch for PB 167	N	B-20
BC-B11-1	70	Static battery charger 161A	N	B-23
UPS-UPS162A	71	UPS 162A	N	B-26
PB-VB12 (Note 1)	73	Power Board – 125VDC Valve Board 12 (substituted for PB-VB11)	N	B-29
PNL-CP167	79	MG Set 167 Control Panel	N	B-32
PNL-CO2 (CARDOX CAB DG 102)	91	CARDOX Cabinet DG 102 Room	N	B-35

Notes:

1) Anchorage verification inspection performed during this supplementary walkdown.

2) Anchorage configuration confirmation performed during this supplementary walkdown.

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	PB-161B
Equipment Class:	(1) Motor Control Centers
Equipment Description:	600V POWER BOARD 161B
Proje	ct: Nine Mile 1 SWEL
Location (Bldg, Elev, Room/Area	a): RB, 261.00 ft, ALL
Manufacturer/Mod	el:

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

General Checklist Notes:

- Anchorage and seismic interaction inspections were performed during initial NTTF 2.3 Seismic Walkdowns. Initial walkdown results are available in the initial Seismic Walkdown Report "Nine Mile Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Information. Recommendation 2.3. Seismic". Therefore, questions pertaining to anchorage and seismic interaction are marked N/A in this checklist.
- 2. Findings from supplemental inspection of cabinet internals per WO C92057481 are documented in the comments section of this checklist.

Anchorage

1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Not Applicable
	See "General Checklist Note 1." above.	
2 .	Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
	See "General Checklist Note 1." above.	
3.	Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
	See "General Checklist Note 1." above.	
4.	Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
	See "General Checklist Note 1." above.	
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.) See "General Checklist Note 1." above.	Not Applicable
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Not Applicable

See "General Checklist Note 1." above.

Seism	ic Walkdown Checklist	(SWC)			Status: YNU
	Equipment ID No.:	PB-161B			
	Equipment Class:	(1) Motor Control Ce	enters	<u> </u>	
	Equipment Description:	600V POWER BOA	RD 161B		
Intera	ction Effects				
7.	Are soft targets free fro	m impact by nearby e	quipment or structures?		Not Applicable
	See "General Checklist	Note 1." above.			
8 .	Are overhead equipme masonry block walls no	nt, distribution system It likely to collapse on	is, ceiling tiles and lightir to the equipment?	ng, and	Not Applicable
	See "General Checklis	Note 1." above.			
9.	Do attached lines have	adequate flexibility to	avoid damage?		Not Applicable
	See "General Checklis	t Note 1." above.			
10.	Based on the above se potentially adverse sets	ismic interaction evaluation ended	uations, is equipment fre s?	e of	Not Applicable
	See "General Checklis	Note 1." above.			
<u>Other</u> 11.	Adverse Conditions Have you looked for an adversely affect the saf	d found no adverse so fety functions of the ed	eismic conditions that co quipment?	ould	Not Applicable
	See "General Checklist	Note 1." above.			
Comm See " Supp were	ents General Checklist Note 2 lemental internal inspecti identified. All internal co	2." above. on was performed on mponents appear to b	4/22/2013 <i>per WO C92</i> 0 be mounted adequately.	057481. No	adverse conditions
Evalua	ted by:Jo	sh Rocks	Julikat	Date:	06/14/13
	J	eff Park	Jeri Parki-		06/14/13

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: Equipment Class:	PB-161B	
Equipment Class:	(1) Motor Control Centers	
Equipment Description:	600V POWER BOARD 161B	

Photos



Typical PB-161B Internal Components



Typical PB-161B Internal Components

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: PB-167

Equipment Class: (1) Motor Control Centers

Equipment Description: 600V POWER BOARD INCLUDING ALL CUBICLES

Project: Nine Mile 1 SWEL

Location (Bldg, Elev, Room/Area): RB, 281.00 ft, ALL

Manufacturer/Model:

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

General Checklist Notes:

- Anchorage and seismic interaction inspections were performed during initial NTTF 2.3 Seismic Walkdowns. Initial walkdown results are available in the initial Seismic Walkdown Report "Nine Mile Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Information. Recommendation 2.3. Seismic". Therefore, questions pertaining to anchorage and seismic interaction are marked N/A in this checklist.
- 2. Findings from supplemental inspection of cabinet internals per WO C92057482 are documented in the comments section of this checklist.

Anchorage

1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Not Applicable
	See "General Checklist Note 1." above.	
2 .	Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
	See "General Checklist Note 1." above.	
3.	Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
	See "General Checklist Note 1." above.	
4.	Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
	See "General Checklist Note 1." above.	
5.	Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	Not Applicable
	See "General Checklist Note 1." above.	
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Not Applicable

Status: Y N U

Seismic Walkdown Checklist (SWC)				
Equipment ID No.:	PB-167			
Equipment Class:	(1) Motor Control Centers			
Equipment Description:	600V POWER BOARD INCLUDING ALL CUBICLES			
See "General Checklist	Note 1." above.			

Interaction Effects

7.	Are soft targets free from impact by nearby equipment or structures?	Not Applicable
	See "General Checklist Note 1." above.	
8 .	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Not Applicable
	See "General Checklist Note 1." above.	
9.	Do attached lines have adequate flexibility to avoid damage?	Not Applicable
	See "General Checklist Note 1." above.	
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Not Applicable
	See "General Checklist Note 1." above.	
Other /	Adverse Conditions	· · · · · · · · · · · · · · · · · · ·
11.	Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Not Applicable
	See "General Checklist Note 1." above.	

Comments

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See "General Checklist Note 2." above.

Supplemental internal inspection was performed on 4/24/2013 per WO C92057482. No adverse conditions were identified. All internal components appear to be mounted adequately.

	Evaluated by:	Josh Rocks	Jane, Sale	Date:	06/14/13	
Jeff Park Jr. Park	_	Jeff Park	Gailark.		06/14/13	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: PB-167

Equipment Class: (1) Motor Control Centers

Equipment Description: 600V POWER BOARD INCLUDING ALL CUBICLES

Photos



PB-167 Typical Internal Component

Status: Y N U

Seismic Walkdown Checklist (SWC)	-
Equipment ID No.: PB-16B	
Equipment Class: (2) Low Voltage Switchgear	-
Equipment Description: 600V POWER BOARD 16B	-
Project: Nine Mile 1 SWEL	
Location (Bldg, Elev, Room/Area):	-
Manufacturer/Model:	-
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.	
 In response to CR-2012-008095, this walkdown checklist for PB-16B, is supplemental to that from "Nine Mile Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Information. Recommendation 2.3. Seismic". Updated information documented in this checklist for PB-16B is based on supplemental internal inspections completed on 4/24/2013 per WO C91993648. Seismic interaction inspections were performed during initial NTTF 2.3 Seismic Walkdowns. Initial walkdown results are available in the initial Seismic Walkdown Report "Nine Mile Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Information: Recommendation 2.3. Seismic". Therefore questions pertaining to seismic interaction are marked N/A in this checklist. Findings from the supplemental inspection of the cabinet internals per WO C91993648 are documented in the comments section of this checklist. 	b ,
<u>Anchorage</u> 1. Is anchorage configuration verification required (i.e., is the item one of the 50% Yes	,
of SWEL items requiring such verification)? See "General Checklist Note 1." above. NMP1 DWG C15139C SH3 & CALC S6RB 281 PB16A This response and information is consistent with that of "Nine Mile Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Information. Recommendation 2.3 Seismic"	
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable See "General Checklist Note 1." above. N/A justification: Anchorage consists of plug and fillet welds.	
See "General Checklist Note 1." above. Field anchorage is free of adverse corrosion conditions	
 Is the anchorage free of visible cracks in the concrete near the anchors? Yes See "General Checklist Note 1." above. Concrete is free of visible cracks near the anchorage 	
 Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) See "General Checklist Note 1." above. Anchorage is consistent with plant documentation. 	

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Seism	ic Walkdown Checklist	(SWC)			Status: Y N U
	Equipment ID No.:	PB-16B			
	Equipment Class:	(2) Low Voltage	Switchgear		
	Equipment Description:	600V POWER B	OARD 16B		
6.	Based on the above an potentially adverse seis See "General Checklist Anchorage is free of po	chorage evaluatio smic conditions? Note 1." above. Intentially adverse s	ns, is the anchorage free	of	Yes
Interac	ction Effects		······································		
7.	Are soft targets free fro	m impact by neart	by equipment or structures	s?	Not Applicable
	See "General Checklist	Note 2." above.			
8.	Are overhead equipme masonry block walls no	nt, distribution sys It likely to collapse	tems, ceiling tiles and ligh onto the equipment?	ting, and	Not Applicable
	See "General Checklist	Note 2." above.			
9.	Do attached lines have	adequate flexibilit	y to avoid damage?		Not Applicable
	See "General Checklist	Note 2." above.			
10.	Based on the above se potentially adverse seis See "General Checklist	ismic interaction e mic interaction eff Note 2." above.	valuations, is equipment f fects?	free of	Not Applicable
Other	Adverse Conditions				
11.	Have you looked for an adversely affect the safet	d found no advers ety functions of the	e seismic conditions that e equipment?	could	Not Applicable
	See "General Checklist	Note 2." above.			
<u>See</u> " Suppl were	ients General Checklist Note 3 lemental internal inspecti identified. All internal co	3." above. on was completed mponents appear	on 4/24/2013 per WO CS to be mounted adequately	91993648. No y.	adverse conditions
	Jo:	sh Rocks	John John	Date:	06/14/13
Evalua	•				

Status: Y N U

Seismic Walkdown Checklist (SWC)

	Equipment ID No.:	PB-16B	
	Equipment Class:	(2) Low Voltage Switchgear	
, iii	Equipment Description:	600V POWER BOARD 16B	

Photos



Typical Front of PB-16B Anchorage: Plug Welds in Each Cubicle

Status: Y N U

Seismic	Seismic Walkdown Checklist (SWC)				
	Equipment ID No.:	PB-102			
	Equipment Class:	(3) Medium Voltage Switchgear			
E	quipment Description:	Power Board 102			
	Proje	ect: Nine Mile 1 SWEL			
Location	(Bldg, Elev, Room/Are	ea): TB, 261.00 ft, ALL			
	Manufacturer/Mod	del:			
Instruct	ions for Completing C	Checklist			
This che	cklist may be used to d	locument 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 pr	ovided at the end of this checklist for documenting other comments.			
General	Checklist Notes:				
1.	In response to CR-201	2-008072, this walkdown checklist for PB-102, is supplemental to that fron	n		
	"Nine Mile Point Nuclea	ar Station, Unit 1 Response to 10 CFR 50.54(f) Request for Information.	haard		
1	necommenoalion 2.3. a on supplemental intern	Seismic . Opuated information documented in this checklist for PB-102 is al inspections performed on 4/24/2013 per M/O C01085048	paseo		
2.	Seismic interaction inst	pections were performed during initial NTTE 2.3 Seismic Walkdowns Initia	al		
	walkdown results are a	vailable in the initial Seismic Walkdown Report "Nine Mile Point Nuclear S	tation,		
i	Unit 1 Response to 10	CFR 50.54(f) Request for Information. Recommendation 2.3. Seismic".	-		
	Therefore, questions pe	ertaining to seismic interaction are marked N/A in this checklist.			
3.	Findings from the supp	lemental inspection of the cabinet internals per WO C91985948 are			
Anchor	documented in the com	iments section of this checklist.			
Anchora	<u>xye</u> Is anchorago configurat	tion varification required (i.e., in the item and of the EON	Vor		
1. 1		a such verification?	163		
•	Soo "Conorol Checklist	y such vernication):			
•	NMD1 DWC C18500C	Sh2 Rev. A. Calculation STR 261 DR102 & 1500021D			
	This response and info	mation is consistent with that of "Nine Mile Point			
	Nuclear Station Init 1	Posponso to 10 CEP 50 54/fl Poguest for Information			
	Recommendation 2.3	Seismin"			
2. 1	is the anchorage free o	of bent, broken, missing or loose hardware?	Yes		
1	- Soo "General Checklist	t Note 1 " above			
	Field anchorage is free	of bent broken or missing bardware			
3	is the anchorage free o	of period between or missing naroware.	Ves		
0.	Soo "General Checklict		103		
	See General Checkist Field anchorage is free	of adverse corresion conditions			
	s the anchorage is live	of deverse convolor conditions.	Vec		
4.	is the anciorage nee o		163		
	See "General Checklist	t Note 1." above.			
(Concrete is free of visit	ble cracks near the anchorage.			
5.	s the anchorage config	juration consistent with plant documentation? (Note:	Yes		
•	This question only appl	lies if the item is one of the 50% for which an anchorage			
(configuration verificatio	in is required.)			
i	See "General Checklist	t Note 1." above.			
	Anchorage is consisten	nt with plant documentation.			

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Seism	ic Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: PB-102	
	Equipment Class: (3) Medium Voltage Switchgear	
	Equipment Description: Power Board 102	
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? See "General Checklist Note 1." above. Anchorage is free of potentially adverse seismic conditions.	Yes
Inter <u>ac</u>	tion Effects	
7.	Are soft targets free from impact by nearby equipment or structures?	Not Applicable
	See "General Checklist Note 2." above.	
8 .	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Not Applicable
	See "General Checklist Note 2." above.	
9.	Do attached lines have adequate flexibility to avoid damage?	Not Applicable
	See "General Checklist Note 2." above.	
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Not Applicable
	See "General Checklist Note 2." above.	
 Other	Adverse Conditions	· <u>···</u> ································
11.	Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Not Applicable
	See "General Checklist Note 2." above.	
Comm	ients	
See " A sup condi	General Checklist Note 3." above. plemental internal inspections was performed on 4/24/2013 per WO C91985948. N tions were identified. All internal components appear to be mounted adequately.	lo adverse

Evaluated by:	Josh Rocks	Jan Entr	Date:	06/14/13
_	Jeff Park	Julante.	<u> </u>	06/14/13

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	PB-102
Equipment Class:	(3) Medium Voltage Switchgear
Equipment Description:	Power Board 102

Photos



Typical PB-102 Front Anchorage



Typical PB-102 Rear Anchorage



PB-102 Internal Components



PB-102 Panel to Panel Connections

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	PN	L-MTS162	
Equipment Class: (1		4) Distribution Panels	
Equipment Description:	UP	S162 Manual Transfer Switch Panel	
Proje	ect:	Nine Mile 1 SWEL	
Location (Bldg, Elev, Room/Are	a):	TB, 277.00 ft, ALL	

Manufacturer/Model:

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

General Checklist Notes:

- Anchorage and seismic interaction inspections were performed during initial NTTF 2.3 Seismic Walkdowns. Initial walkdown results are available in the initial Seismic Walkdown Report "Nine Mile Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Information. Recommendation 2.3. Seismic". Therefore, questions pertaining to anchorage and seismic interaction are marked N/A in this checklist.
- 2. Findings from the supplemental inspection of the cabinet internals per WO C92057485 are documented in the comments section of this checklist.

Anchorage

1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Not Applicable
	See "General Checklist Note 1." above.	
2 .	Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
	See "General Checklist Note 1." above.	
3.	Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
	See "General Checklist Note 1." above.	
4.	Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
	See "General Checklist Note 1." above.	
5.	Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	Not Applicable
	See "General Checklist Note 1." above.	
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Not Applicable

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Seismi	c Walkdown Checklist	(SWC)				Status: Y N
	Equipment ID No.:	PNL-MTS162				
	Equipment Class:	(14) Distribution I	Panels			
E	Equipment Description:	UPS162 Manual	Transfer Swi	tch Panel		· · · · · · · · · · · · · · · · · · ·
	See "General Checklis	Note 1." above.				
Interac	tion Effects					
<u>7.</u>	Are soft targets free fro	m impact by nearb	oy equipment	or structures?		Not Applicable
	See "General Checklis	Note 1." above.				
8.	Are overhead equipme masonry block walls no	nt, distribution syst It likely to collapse	tems, ceiling to onto the equi	iles and lighting	g, and	Not Applicable
	See "General Checklis	Note 1." above.				
9.	Do attached lines have	adequate flexibility	y to avoid dar	mage?		Not Applicable
	See "General Checklis	Note 1." above.				
10.	Based on the above se potentially adverse seis	ismic interaction events interaction effection official content of the second	valuations, is ects?	equipment free	e of	Not Applicable
	See "General Checklis	Note 1." above.				
Other A	Adverse Conditions					
11.	Have you looked for an adversely affect the sat	d found no adverse tety functions of the	e seismic cor e equipment?	nditions that cou	blu	Not Applicable
	See "General Checklist	Note 1." above.				
Comme	ents:					
See "G Supple were id	Seneral Checklist Note 2 emental internal inspect dentified. All internal co	2." above. on was performed mponents appear f	on 4/20/2013 to be mounte	3 per WO C920 d adequately.	57485. No	o adverse conditions
	Jo	sh Rocks	- J.	L.E.		0440040
	ea by:	<u>_</u>				0/14/2013
	J	eff Park	.J.	(Parki-		6/14/2013

Status: Y N U

Seismic Walkdown Checklist (SWC)

		THE MICH I	ere a anna an àr ann an ag
	Equipment Class:	(14) Distribution Panels	
Eq	ipment Description:	UPS162 Manual Transfer Switch Panel	

Photos



Internal of PNL-MTS162

Status: Y N U

	Equipment ID No.: PB-BB11	
	Equipment Class: (14) Distribution Panels	
	Equipment Description: AP/125 V DC BATTERY BOARD #11	
	Project: Nine Mile 1 SWEL	
Locatio	on (Bldg, Elev, Room/Area): TB, 261.00 ft, ALL	
	Manufacturer/Model:	
Instru	ctions for Completing Checklist	
This ch SWEL finding	necklist may be used to document the results of the Seismic Walkdown of an item of e The space below each of the following questions may be used to record the results s. Additional space is provided at the end of this checklist for documenting other com	equipment on the of judgments and iments.
<u>Genera</u> 1. 2. 3. Ancho	Checklist Note: In response to CR-2012-008647, this walkdown checklist for PB-BB11 is supplement Mile Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Informat Recommendation 2.3. Seismic". Updated information documented in this checklist for on supplemental internal inspections performed on 4/22/2013 per WO C92025346. Seismic interaction inspections were performed during initial NTTF 2.3 Seismic Walkdown walkdown results are available in the initial Seismic Walkdown Report "Nine Mile Poin Unit 1 Response to 10 CFR 50.54(f) Request for Information. Recommendation 2.3. questions pertaining to seismic interaction are marked N/A in this checklist. Findings from the supplemental inspection of the cabinet internals per WO C92025346 in the comments section of this checklist.	al to that from "Nine ion. or PB-BB11 is based downs. Initial nt Nuclear Station, Seismic". Therefore, 46 are documented
1	Is anchorage configuration verification required (i.e., is the item one of the 50%	No
	of SWEL items requiring such verification required (i.e., is the item one of the oord See "General Checklist Note 1." above. This response is consistent with that of "Nine Mile Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Information. Recommendation 2.3. Seismic".	
2.	Is the anchorage free of bent, broken, missing or loose hardware? See "General Checklist Note 1." above. N/A justification: Anchorage consists of welds.	Not Applicable
3.	Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
	See "General Checklist Note 1." above. Field anchorage is free of adverse corrosion conditions.	
4.	Is the anchorage free of visible cracks in the concrete near the anchors? See "General Checklist Note 1." above. Concrete is free of visible cracks near the anchorage.	Yes
5 .	Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) See "General Checklist Note 1." above. N/A justification: Item is not one of the 50% of SWEL items requiring configuration verification.	Not Applicable

Seism	ic Walkdown Checklist	(SWC)			Status: Y N U
	Equipment ID No.:	PB-BB11			
	Equipment Class:	(14) Distribution Pane	ls		
	Equipment Description:	AP/125 V DC BATTEI	RY BOARD #11		
6.	Based on the above ar potentially adverse seis See "General Checklis Anchorage is free of po	chorage evaluations, is smic conditions? Note 1." above. htentially adverse seism	the anchorage free of ic conditions.		Yes
Interac	ction Effects				
7.	Are soft targets free fro	m impact by nearby eq	uipment or structures?		Not Applicable
	See "General Checklis	t Note 2." above.			
8.	Are overhead equipme masonry block walls no	nt, distribution systems, It likely to collapse onto	ceiling tiles and lighting, the equipment?	and	Not Applicable
	See "General Checklis	Note 2." above.			
9 .	Do attached lines have	adequate flexibility to a	void damage?		Not Applicable
	See "General Checklis	Note 2." above.			
10.	Based on the above se potentially adverse seis See "General Checklis	ismic interaction evalua smic interaction effects? t Note 2." above.	itions, is equipment free o	of	Not Applicable
Other	Adverse Conditions				
11.	Have you looked for ar adversely affect the sa	d found no adverse sei fety functions of the equ	smic conditions that could ipment?	d	Not Applicable
	See "General Checklis	t Note 2." above.			
Comm See " Supp were	ients General Checklist Note lemental internal inspect identified. All internal co	3." above. ion was performed on 4 imponents appear to be	/22/2013 per WO C9202 mounted adequately.	5346. No a	dverse conditions
Evalua	Jo ated by:	sh Rocks	Jack Jack	_ Date: _0	6/14/13
		eff Park	Jailarte.	0	6/14/13

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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	PB-BB11	и. Д.
Equipment Class:	(14) Distribution Panels	
Equipment Description:	AP/125 V DC BATTERY BOARD #11	

Photos



Typical Internal Anchorage of PB-BB11

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	TRS-(167)ASCO
Equipment Class:	(14) Distribution Panels
Equipment Description:	Transfer Switch for PB 167
Proje	ct: Nine Mile 1 SWEL
Location (Bldg, Elev, Room/Area	a): RB, 281.00 ft, ALL
Manufacturer/Mod	el:
Instructions for Completing C	hacklist

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

General Checklist Notes:

- Anchorage and seismic interaction inspections were performed during initial NTTF 2.3 Seismic Walkdowns. Initial walkdown results are available in the initial Seismic Walkdown Report "Nine Mile Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Information. Recommendation 2.3. Seismic". Therefore, questions pertaining to anchorage and seismic interaction are marked N/A in this checklist.
- 2. Findings from the supplemental inspection of the cabinet internals per WO C92057486 are documented in the comments section of this checklist.

Anchorage

1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Not Applicable
	See "General Checklist Note 1." above.	
2.	Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
	See "General Checklist Note 1." above.	
3.	Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
	See "General Checklist Note 1." above.	
4.	Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
	See "General Checklist Note 1." above.	
5.	Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	Not Applicable
	See "General Checklist Note 1." above.	
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Not Applicable
	See "General Checklist Note 1." above.	

Seismic Walkdown Checklist	Status: Y N U	
Equipment ID No.:	TRS-(167)ASCO	
Equipment Class:	(14) Distribution Panels	
Equipment Description:	Transfer Switch for PB 167	· · · · · · · · · · · · · · · · · · ·

Interac	ction Effects	
7.	Are soft targets free from impact by nearby equipment or structures?	Not Applicable
	See "General Checklist Note 1." above.	
8 .	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Not Applicable
	See "General Checklist Note 1." above.	
9.	Do attached lines have adequate flexibility to avoid damage?	Not Applicable
	See "General Checklist Note 1." above.	
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Not Applicable
	See "General Checklist Note 1." above.	
Other	Adverse Conditions	
11.	Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Not Applicable
	See "General Checklist Note 1." above.	

Comments:

See "General Checklist Note 2." above.

Supplemental internal inspection was performed on 4/24/2013 per WO C92057486. No adverse conditions were identified. All internal components appear to be mounted adequately.

Evaluated by:	Josh Rocks	Jul, Etc	Date:	6/14/2013	
	Jeff Park	Julante-		6/14/2013	
	· · · · · · · · · · · · · · · · · · ·			<u></u>	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	TRS-(167)ASCO	
Equipment Class:	(14) Distribution Panels	
Equipment Description:	Transfer Switch for PB 167	

Photos



Internal to TRS (167) ASCO

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Status: Y N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No.: _BC-B11-1	
Equipment Class: _(16) Inverters	
Equipment Description: Static battery charger 161A	
Project: Nine Mile 1 SWEL	
Location (Bldg, Elev, Room/Area): TB, 261.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of eq	uipment on the
SWEL. The space below each of the following questions may be used to record the results o	f judgments and
findings. Additional space is provided at the end of this checklist for documenting other comm	nents.
Ganaral Chaoklist Notas	
 Anchorage and seismic interaction inspections were performed during initial NTTF 2. Walkdowns. Initial walkdown results are available in the initial Seismic Walkdown Re Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Information. F 2.3. Seismic". Therefore, questions pertaining to anchorage and seismic interaction a this checklist 	3 Seismic port "Nine Mile Recommendation re marked N/A in
 Findings from supplemental inspection of cabinet internals per WO C92057457 are d comments section of this checklist. 	ocumented in the
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Not Applicable
See "General Checklist Note 1." above.	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
See "General Checklist Note 1." above.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
See "General Checklist Note 1." above.	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
See "General Checklist Note 1." above.	
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
See "General Checklist Note 1." above.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Not Applicable
See "General Checklist Note 1." above.	

Seisn	nic Walkdown Checklist	(SWC)				Status: YNU
	Equipment ID No.:	BC-B11-1				
	Equipment Class:	(16) Inverters				
	Equipment Description:	Static battery o	harger 161A			
Intera	ction Effects					
7.	Are soft targets free fro	m impact by nea	arby equipme	nt or structures	;?	Not Applicable
	See "General Checklist	t Note 1." above.				
8.	Are overhead equipme masonry block walls no	nt, distribution sy ot likely to collaps	ystems, ceilin se onto the eo	g tiles and ligh quipment?	ting, and	Not Applicable
	See "General Checklist	t Note 1." above.				
9 .	Do attached lines have	adequate flexib	ility to avoid d	amage?		Not Applicable
	See "General Checklis	Note 1." above.				
10.	Based on the above se potentially adverse seis	ismic interaction	evaluations, effects?	is equipment f	ree of	Not Applicable
	See "General Checklist	t Note 1." above.				
Other	Adverse Conditions			<u></u>		
11.	Have you looked for an adversely affect the sat	d found no adve fety functions of	erse seismic c the equipmer	onditions that only the only t	could	Not Applicable
	See "General Checklis	Note 1." above.				
Comr See Supr were	nents: "General Checklist Note 2 olemental internal inspect identified. All internal co	2. <i>" above</i> . ion was perform mponents appea	ed on 4/22/20 ar to be moun	13 per WO C9 ted adequately)2057457. No y.	adverse conditions
Evalua	Jo ated by:	sh Rocks	C	J.L.B.	Date:	6/14/2013
	J	eff Park		prifack.		6/14/2013

Seismic Walkdown Checklist (SWC)		Status: Y N	
Equipment ID No.:	BC-B11-1		
Equipment Class:	(16) Inverters	на и манака Винини и селена и на	
Equipment Description:	Static battery charger 161A		

Photos



Internal of Upper BC-B11-1



Internal of Lower BC-B11-1

Status: Y N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No.: UPS-UPS162A	
Equipment Class: (16) Inverters	
Equipment Description: UPS 162A	
Project: Nine Mile 1 SWEL	
Location (Bldg, Elev, Room/Area): TB, 277.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equ SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comm	uipment on the judgments and ents.
 <u>General Checklist Notes:</u> Anchorage and seismic interaction inspections were performed during initial NTTF 2.3 Walkdowns. Initial walkdown results are available in the initial Seismic Walkdown Rep Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Information. Rep 2.3. Seismic". Therefore, questions pertaining to anchorage and seismic interaction at this checklist. Findings from the supplemental inspection of the cabinet internals per WO C92057483 documented in the comments section of this checklist. Is anchorage configuration verification required (i.e., is the item one of the 50% of SW/EL items requiring such verification)? 	3 Seismic port "Nine Mile ecommendation re marked N/A in 7 are Not Applicable
See "General Checklist Note 1." above.	
 Is the anchorage free of bent, broken, missing or loose hardware? See "General Checklist Note 1." above. 	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? See "General Checklist Note 1." above.	Not Applicable
 4. Is the anchorage free of visible cracks in the concrete near the anchors? See "General Checklist Note 1." above. 	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
See "General Checklist Note 1." above.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? See "General Checklist Note 1." above	Not Applicable

يكرو

Seismic	Walkdown Checklist	(SWC)			Status: YNU
	Equipment ID No.:	UPS-UPS162A			
	Equipment Class:	(16) Inverters			
Ec	quipment Description:	UPS 162A			<u></u>
Interacti	on Effects				
7. A	Are soft targets free from	m impact by nearby e	quipment or structures?		Not Applicable
S	See "General Checklist	Note 1." above.			
8. A r	Are overhead equipmer nasonry block walls no	nt, distribution system t likely to collapse ont	s, ceiling tiles and lighting, to the equipment?	and	Not Applicable
5	See "General Checklist	Note 1." above.			
9. C	Do attached lines have	adequate flexibility to	avoid damage?		Not Applicable
S	See "General Checklist	Note 1." above.			
10. E	. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?				Not Applicable
S	See "General Checklist	Note 1." above.			
Other Ac	iverse Conditions				
11. H a	lave you looked for and adversely affect the safe	d found no adverse se ety functions of the ec	eismic conditions that could quipment?	i	Not Applicable
S	See "General Checklist Note 1." above.				
Commer	nts:				
See "Ge Suppler were ide	eneral Checklist Note 2 mental internal inspectio entified. All internal cor	. <i>" above.</i> on was performed on mponents appear to b	4/22/2013 per WO C92057 be mounted adequately.	7487. No	o adverse conditions
Evaluate	d by:Jos	sh Rocks	Jaho Ello	Date:	6/14/2013
	Je	eff Park	Jer Carte.	_	6/14/2013

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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	UPS-UPS162A	
Equipment Class:	(16) Inverters	
Equipment Description:	UPS 162A	

Photos





Internal of UPS-UPS162A

Seismic Walkdown Checklist (SWC)	υ
Equipment ID No.: PB-VB12	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	—
Equipment Description: POWER BOARD - 125VDC VALVE BOARD 12	
Project: Nine Mile 1 SWEL	
Location (Bldg, Elev, Room/Area): TB, 291.00 ft, ALL	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.	
General Checklist Note:	
 In response to CR-2012-009563, PB-VB12 replaced PB-VB11 on the SWEL due to inaccessibility of anchorage of PB-VB11. This walkdown checklist for PB-VB12 is supplemental to the checklist for PB- VB11 from "Nine Mile Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Informatio Recommendation 2.3. Seismic". Information documented in this checklist for PB-VB12 is based on walkdown performed on 4/24/2013 per WO C92054674. Findings from the inspection of the cabinet internals per WO C92054674 are documented in the comments section of this checklist.)П.
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% N of SWEL items requiring such verification)? 	0
See "General Checklist Note 1." above.	
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable	е
See "General Checklist Note 1." above. N/A justification: All anchorage are welds.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Ye	S
See "General Checklist Note 1." above. Anchorage is free of excessive corrosion.	
4. Is the anchorage free of visible cracks in the concrete near the anchors? Ye	s
See "General Checklist Note 1." above. There were no visible cracks in the concrete near the anchorage of PB-BB11.	
 Is the anchorage configuration consistent with plant documentation? (Note: Not Applicab This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	e
See "General Checklist Note 1." above. N/A justification: Item is not one of the 50% of SWEL items requiring configuration verification.	

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Seism	ic Walkdown Checklist	(SWC)	Status: Y	N U
	Equipment ID No.:	PB-VB12		
	Equipment Class:	(20) Instrumentation and Control Panels and C	Cabinets	
	Equipment Description:	POWER BOARD - 125VDC VALVE BOARD 1	12	
6.	Based on the above an potentially adverse seis	chorage evaluations, is the anchorage free of smic conditions?	11 m	Yes
	See "General Checklis Anchorage is free of po	Note 1." above. Notentially adverse seismic conditions.		
Intera	ction Effects			
7.	Are soft targets free fro See "General Checklist	m impact by nearby equipment or structures?		Yes
8.	Are overhead equipme masonry block walls no	nt, distribution systems, ceiling tiles and lighting, it likely to collapse onto the equipment?	, and	Yes
	See "General Checklis	Note 1." above.		
9.	Do attached lines have	adequate flexibility to avoid damage?		Yes
	See "General Checklis	Note 1." above.		
10.	Based on the above se potentially adverse seis	ismic interaction evaluations, is equipment free of mic interaction effects?	of	Yes
	See "General Checklis	Note 1." above.		
Other	Adverse Conditions			
11.	Have you looked for an adversely affect the same	d found no adverse seismic conditions that coul- ety functions of the equipment?	ld	Yes
	See "General Checklis	Note 1." above.		
Comm See ' Supp were	nents General Checklist Note : Iemental internal inspect identified. All internal co	2." above. on was performed on 4/24/2013 per WO C9205 mponents appear to be mounted adequately.	54674. No adverse condition	IS
Evolur	sted by: Joshus Po	are Juli Tele	Date: 06/14/2012	
Evalua	Jeff Park	JeriParte.	06/14/2013	

Photos

Jeff Park

06/14/2013

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	PB-VB12
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	POWER BOARD - 125VDC VALVE BOARD 12



PB-VB12 Internal Components and Typical Anchorage



PB-VB12 Typical Internal Mountings

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: P	NL-CP167
Equipment Class: (2	20) Instrumentation and Control Panels and Cabinets
Equipment Description: M	IG Set 167 Control Panel
Project:	Nine Mile 1 SWEL
Location (Bldg, Elev, Room/Area):	TB, 277.00 ft, ALL
Manufacturer/Model:	
Instructions for Completing Che	cklist
This checklist may be used to doci	ument the results of the Seismic Walkdown of an item of equipment on the

Т 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.

General Checklist Notes:

- 1. Anchorage and seismic interaction inspections were performed during initial NTTF 2.3 Seismic Walkdowns. Initial walkdown results are available in the initial Seismic Walkdown Report "Nine Mile Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Information. Recommendation 2.3. Seismic". Therefore, questions pertaining to anchorage and seismic interaction are marked N/A in this checklist.
- 2. Findings from the supplemental inspection of the cabinet internals per WO C92057484 are documented in the comments section of this checklist.

Anchorage

1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Not Applicable
	See "General Checklist Note 1." above.	
2 .	Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
	See "General Checklist Note 1." above.	
3 .	Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
	See "General Checklist Note 1." above.	
4.	Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
	See "General Checklist Note 1." above.	、
5.	Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	Not Applicable
	See "General Checklist Note 1." above.	
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Not Applicable
	See "General Checklist Note 1." above.	

Seism	ic Walkdown Checklist	(SWC)			Status: Y N U
	Equipment ID No.:	PNL-CP167			
	Equipment Class:	(20) Instrumentat	tion and Control Panels and (Cabinets	
	Equipment Description:	MG Set 167 Cont	trol Panel		and and the second s
Interac	ction Effects				
7.	Are soft targets free fro	m impact by nearb	y equipment or structures?		Not Applicable
	See "General Checklist	Note 1." above.			
8.	Are overhead equipment masonry block walls no	nt, distribution syst t likely to collapse	ems, ceiling tiles and lighting onto the equipment?	, and	Not Applicable
	See "General Checklist	Note 1." above.			
9.	Do attached lines have	adequate flexibility	y to avoid damage?		Not Applicable
	See "General Checklist	Note 1." above.			
10.	Based on the above se potentially adverse seis	ismic interaction en mic interaction effe	valuations, is equipment free ects?	of	Not Applicable
	See "General Checklist	Note 1." above.			
Other	Adverse Conditions				
11.	Have you looked for an adversely affect the saf	d found no adverse ety functions of the	e seismic conditions that cou e equipment?	ld	Not Applicable
	See "General Checklist	Note 1." above.			
Comm See " Supp were	ients: General Checklist Note 2 lemental internal inspecti identified. All internal co	2." <i>above.</i> on was performed mponents appear f	on 4/20/2013 per WO C9208 to be mounted adequately.	57484. No	o adverse conditions
Evalua	Joe	sh Rocks	Jel E	_ Date:	6/14/2013
	J	eff Park	Julfarke.		6/14/2013
n na se stá sé se se se se na se se se se se se se se se n					P 00

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	PNL-CP167
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	MG Set 167 Control Panel

Photos





Internal of PNL-CP167

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: PNL-CO2

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: CARDOX Cabinet DG 102 Room

Project: Nine Mile 1 SWEL

Location (Bldg, Elev, Room/Area): TB, 261.00 ft, ALL

Manufacturer/Model:

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

General Checklist Notes:

- Anchorage and seismic interaction inspections were performed during initial NTTF 2.3 Seismic Walkdowns. Initial walkdown results are available in the initial Seismic Walkdown Report "Nine Mile Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Information. Recommendation 2.3. Seismic". Therefore, questions pertaining to anchorage and seismic interaction are marked N/A in this checklist.
- 2. Findings from supplemental inspection of cabinet internals per WO C92057483 are documented in the comments section of this checklist.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% Not Applicable of SWEL items requiring such verification)?

See "General Checklist Note 1." above.

2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable See "General Checklist Note 1." above. 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable See "General Checklist Note 1." above. 4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable See "General Checklist Note 1." above. 5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) See "General Checklist Note 1." above. 6. Based on the above anchorage evaluations, is the anchorage free of Not Applicable potentially adverse seismic conditions? See "General Checklist Note 1." above.

				Status: Y N U
Seism	ic Walkdown Checklist	(SWC)		
	Equipment ID No.:	PNL-CO2		
	Equipment Class:	(20) Instrumentation	n and Control Panels and Cabine	ts
	Equipment Description:	CARDOX Cabinet I	DG 102 Room	
Intera	ction Effects			d'n merinanisen al managementing men astan diska filmation in signa af says
7.	Are soft targets free fro	m impact by nearby	equipment or structures?	Not Applicable
	See "General Checklist	Note 1." above.		
8.	Are overhead equipment masonry block walls no	nt, distribution system It likely to collapse or	ns, ceiling tiles and lighting, and nto the equipment?	Not Applicable
	See "General Checklist	Note 1." above.		
9.	Do attached lines have	adequate flexibility to	o avoid damage?	Not Applicable
	See "General Checklist	Note 1." above.		
10.	Based on the above se potentially adverse seis	ismic interaction eva	luations, is equipment free of ts?	Not Applicable
	See "General Checklist	Note 1." above.		
Other	Adverse Conditions			
11.	Have you looked for an adversely affect the saf	d found no adverse s ety functions of the e	seismic conditions that could equipment?	Not Applicable
	See "General Checklist	Note 1." above.		
Comm	nents:	Anno ann an Anno ann an Anno a Tair B		a filian afa bil ² an filian tana an an da da
See ' Supp were	General Checklist Note 2 lemental internal inspecti identified. All internal co	?." above. on was performed or mponents appear to	n 4/20/2013 per WO C92057483. be mounted adequately.	No adverse conditions
1				
Evalua	Jos	sh Rocks	Jeda, Jak	e: 6/14/2013

JeriPark.

Jeff Park

6/14/2013

Status: Y N U

Seismic Walkdown Checklist (SWC)		12 2. See State St
Equipment ID No.:	PNL-CO2	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	CARDOX Cabinet DG 102 Room	

Photos



Internal of PNL-CO2





Internal of PNL-CO2

C Area Walk-By Checklists (AWCs)

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	Table C-1. Summary of Area Walk-By Checklists					
AWC No. Building Elevation		Elevation	Room-Area-Description	Page		
32	ТВ	291'-0"	Turbine Building – North Rows H – J, Columns 6 - 7	C-2		

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Ar

Area 32 - TB, 291, Turbine Building - North Rows H-J Columns 6-7 (SWEL item in Area 32: PB-VB12).

Instructions for Completing Checklist

This checklist may 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.

General Checklist Note:

 In response to CR-2012-009563, PB-VB12 replaced PB-VB11 on the SWEL due to inaccessibility of anchorage of PB-VB11. The following is an Area Walk-By checklist for PB-VB12 which is supplemental to the Area Walk-By checklist for PB-VB11 in Attachment 4, "Area Walk-By Checklist" from the "Nine Mile Point Nuclear Station, Unit 1 Response to 10 CFR 50.54(f) Request for Information. Recommendation 2.3. Seismic". Information documented in this checklist for PB-VB12 is based on walkdown performed on 4/24/2013 per WO C92054674.

1.	Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?	Yes
2.	Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Yes
3.	Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Yes
4.	Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Yes
5.	Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Yes
6.	Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Yes
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)?	Yes
8.	Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Yes

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 32 - TB, 291, Turbine Building - North Rows H-J Columns 6-7 (SWEL item in Area 32: PB-VB12).

Comments

See "General Checklist Note 1." above

Supplemental walk-downs were performed on 4/24/2013. No adverse conditions or Seismic interaction issues were identified.

Evaluated by:	Josh Rocks Julie	Date:	06/14/2013
	Spri Parte		
	Jeff Park	en e	06/14/2013

Photos



Area 32 - TB 291 North - Rows H-J Columns 6-7

D SWC's for Supplemental Internal Inspections of Electrical Cabinets

All SWC component supplemental internal inspections were performed as required in Reference 3, Table E-1.

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