

Area Walk-By Checklist (AWC)

Assets: *H21P614B*

Location: Bldg. RB Floor El. 540'-0" Room, Area¹ A-02, Col. B-9

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.

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

Observed anchorage is free of adverse conditions.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

See above comment.

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 conduit and ducting are appropriately restrained.

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

Equipment and lighting in the area was observed to be adequately spaced to avoid seismic spatial interactions.

MPS 10/3/12

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

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Location: Bldg. RB Floor El. 540'-0" Room, Area¹ A-02, Col. B-9

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

There were no observed hazards in the area that could result in flooding or spray concerns.

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

There were no observed fire hazards in the area.

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

Near the base of the asset, there are some grates that are tied off to a nearby column by a cable. These grates are part of the ISFSI project and will not impact any safety related equipment. The E1102C002B pump casing drain pipe nearby is not safety-related. (See Pictures 58 and 82.)

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

None observed.

Comments (Additional pages may be added as necessary)

None.

MPS 10/3/12

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

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Sheet 3 of 3
Status: (Y) N U

Area Walk-By Checklist (AWC)

RBSB-4

NEAR H21P614B

Location: Bldg. R.B Floor El. 540' Room, Area' A-02 / COL. B-9

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1: Mil P. Sasso Date: 9/13/12

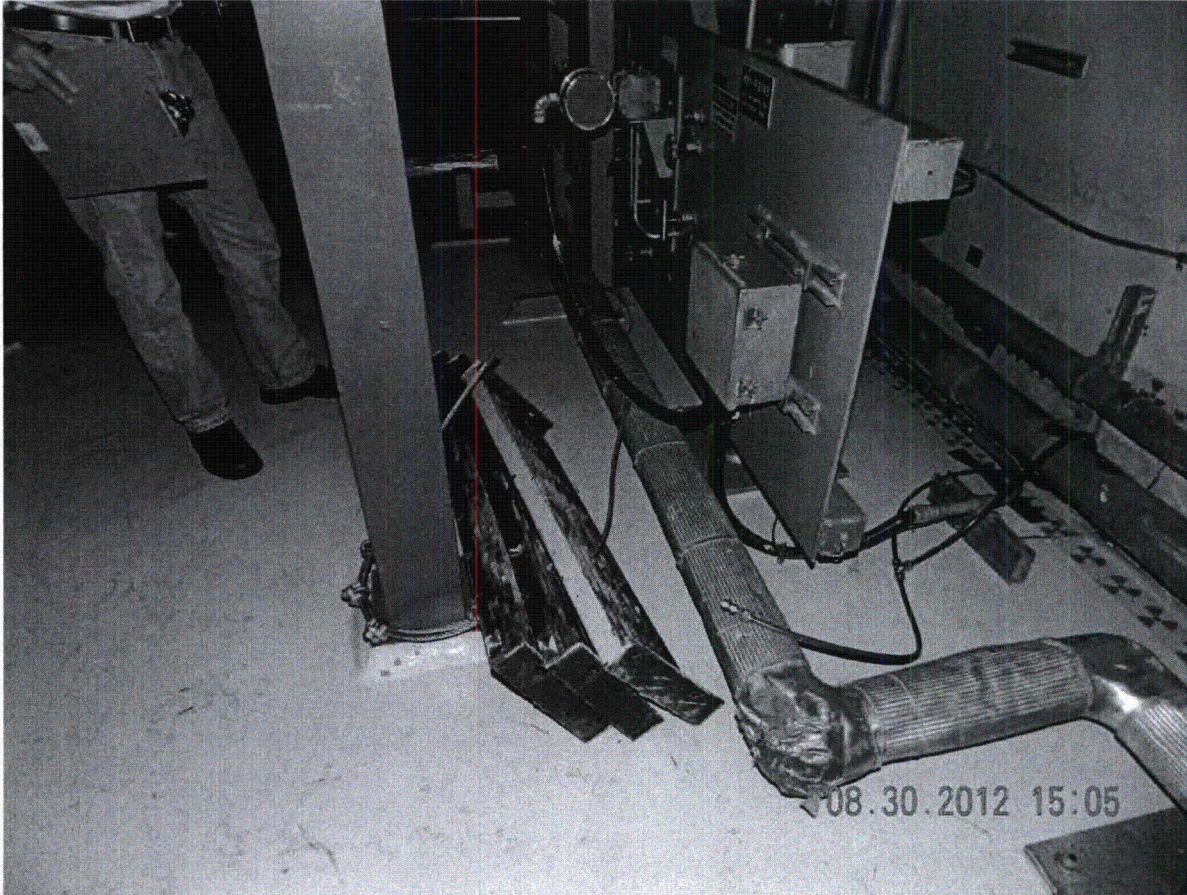
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2: Scott Bauer Date: 9/12/12

Area Walk-By Pictures

RBSB-4

Location: Bldg. RB Floor El. 540'-0" Room, Area A-02 / Col. B-9

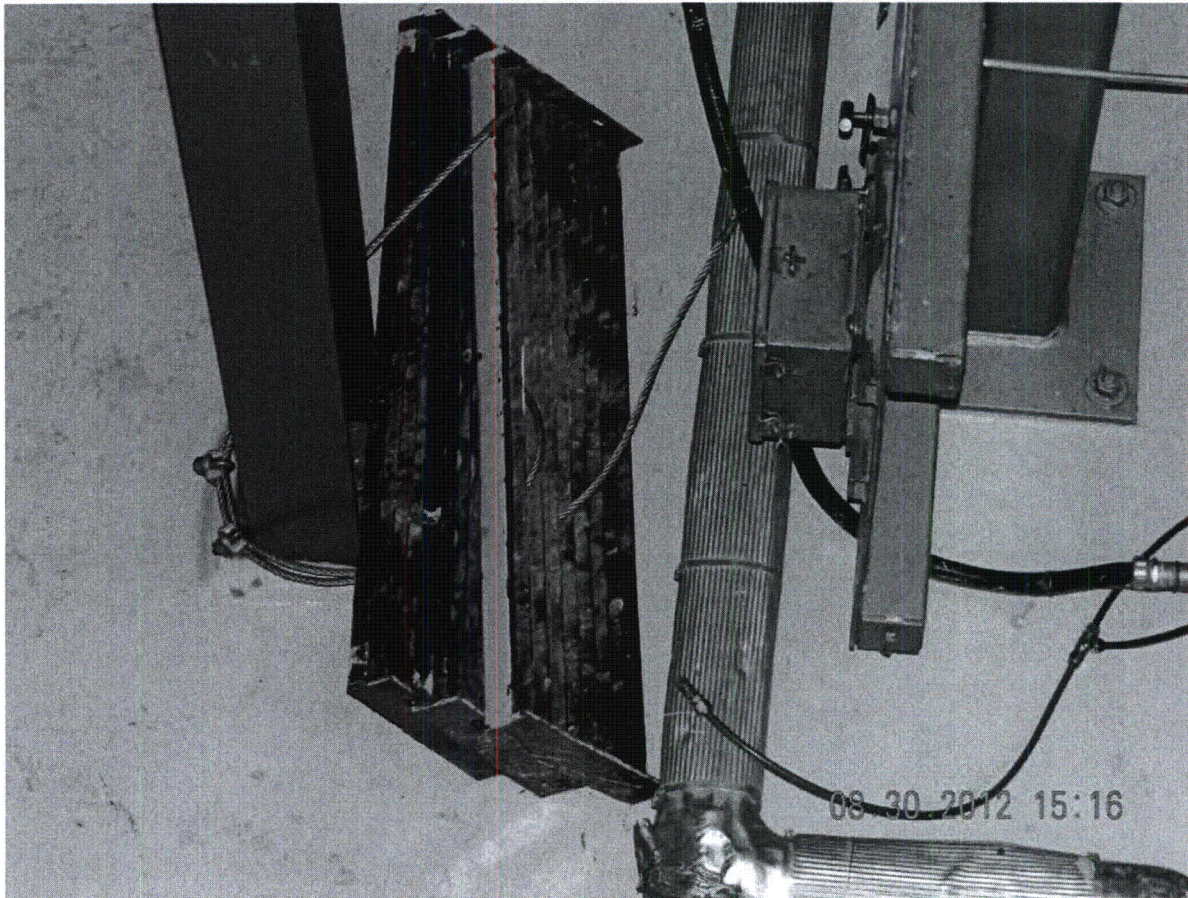


(Picture 58)

Area Walk-By Pictures

RBSB-4

Location: Bldg. RB Floor El. 540'-0" Room, Area A-02 / Col. B-9



(Picture 82)

Area Walk-By Checklist (AWC)

Assets: *E2150F031A*

Location: Bldg. *RB* Floor El. *568'-0"* Room, Area¹ *A-08, Col. G-15*

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.

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

All nearby equipment is appropriately anchored.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

No degradation observed.

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

All supports are adequate and properly anchored.

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

The overhead lights are mounted with swivel mounts however, they have clearance such that they do not act as impact sources that could damage the asset or equipment

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

MPS 10/4/12

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Area Walk-By-Checklist

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Sheet 2 of 3
Status: Y N U

RBB-1

Area Walk-By Checklist (AWC)

Assets: *E2150F031A*

Location: Bldg. RB Floor El. 568'-0" Room, Area¹ A-08, Col. G-15

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

Nearby pipe valve is leaking (P1100F099D). It is not currently a source of potential spray or flooding. (See pictures 8 and 11.) CARD 12-26997 issued for this on 08/21/2012.

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

No fire hazards observed in the vicinity.

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)

NONE DTK
10/12/12

MPS 10/4/12

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Sheet 3 of 3
Status: (Y) N U
RBB-1

Area Walk-By Checklist (AWC)

ASSETS: E2150F031A

Location: Bldg. RB Floor El. 568'-0" Room, Area¹ A-08, Col. G-15

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1: Michael P. Sasso Date: 8/21/12

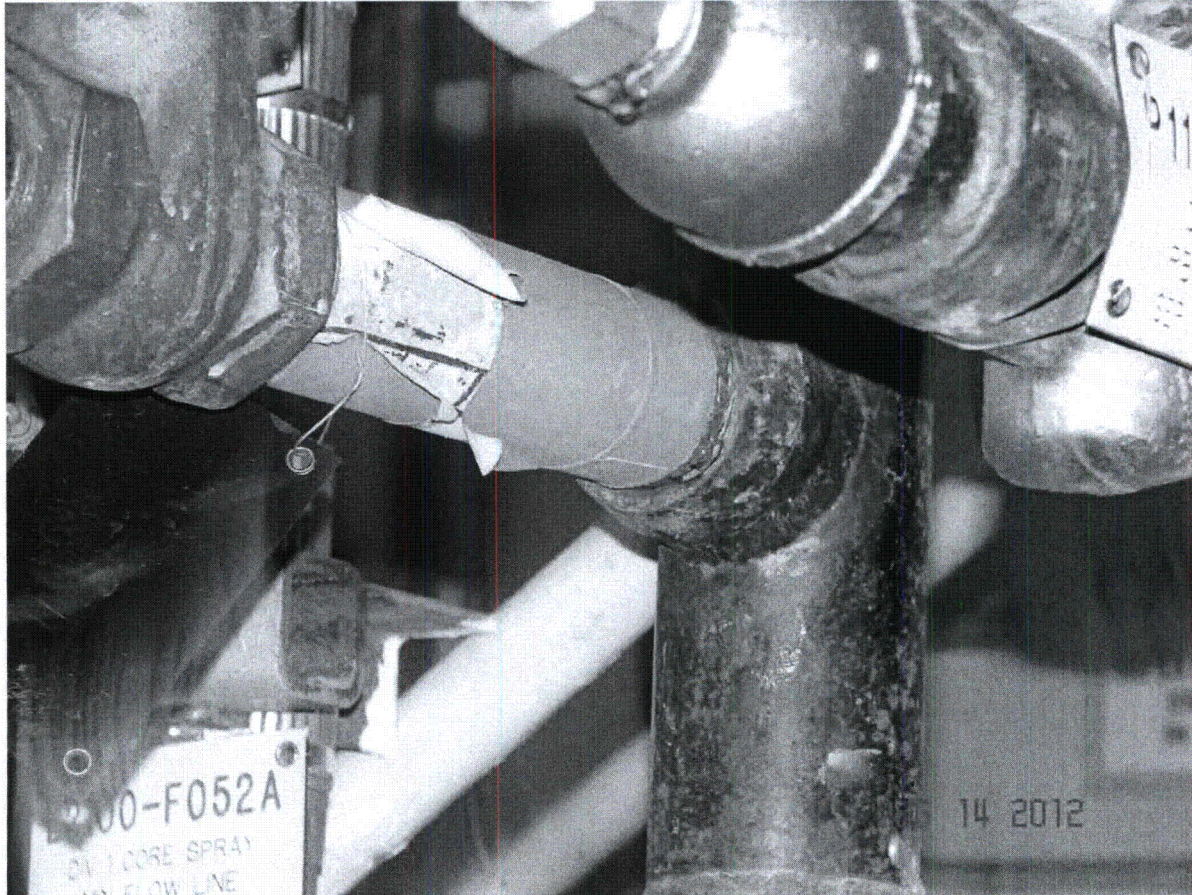
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2: Scott Bauer Date: 8/21/12

Area Walk-By Pictures

RBB-1

Location: Bldg. RB Floor El. 568'-0" Room, Area A-08, Col. G-15

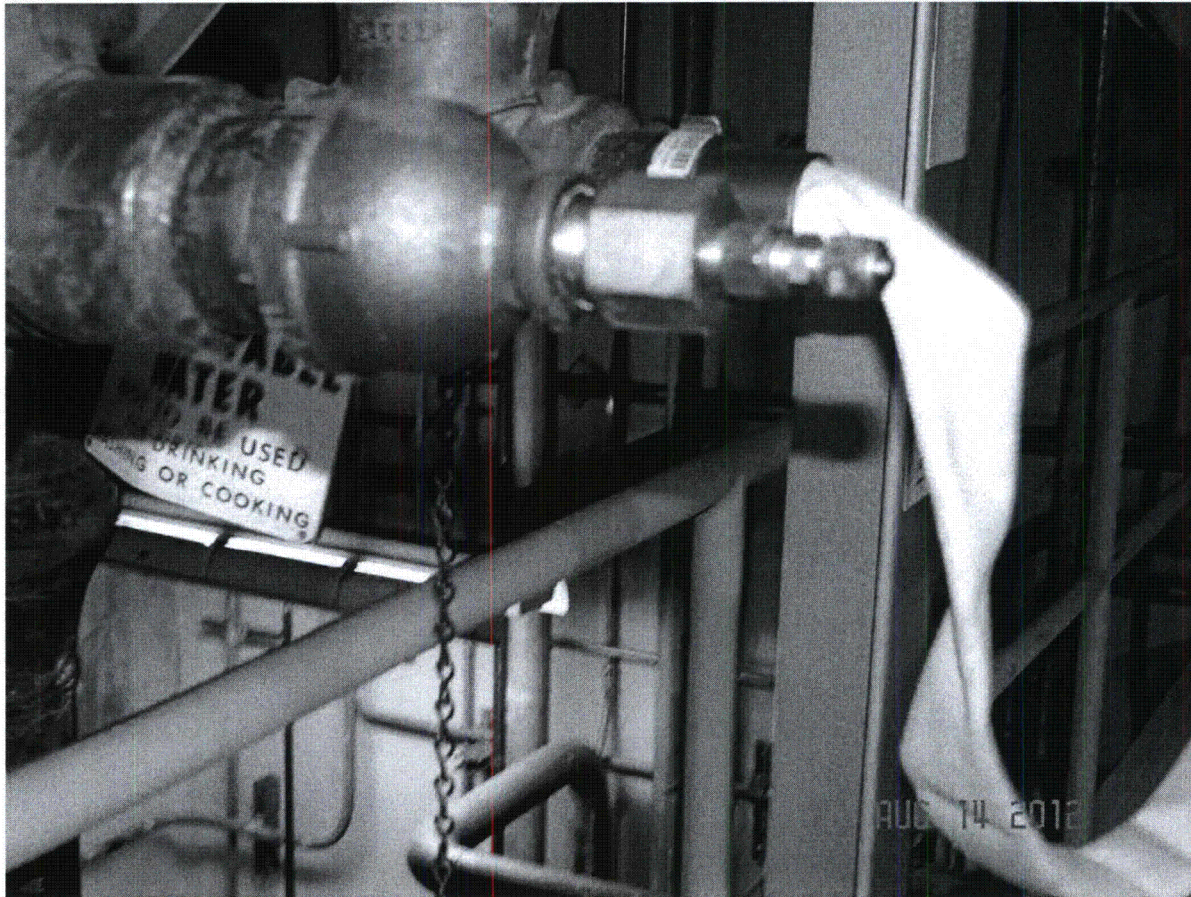


PICTURE #8

Area Walk-By Pictures

RBB-1

Location: Bldg. RB Floor El. 568'-0" Room, Area A-08, Col. G-15

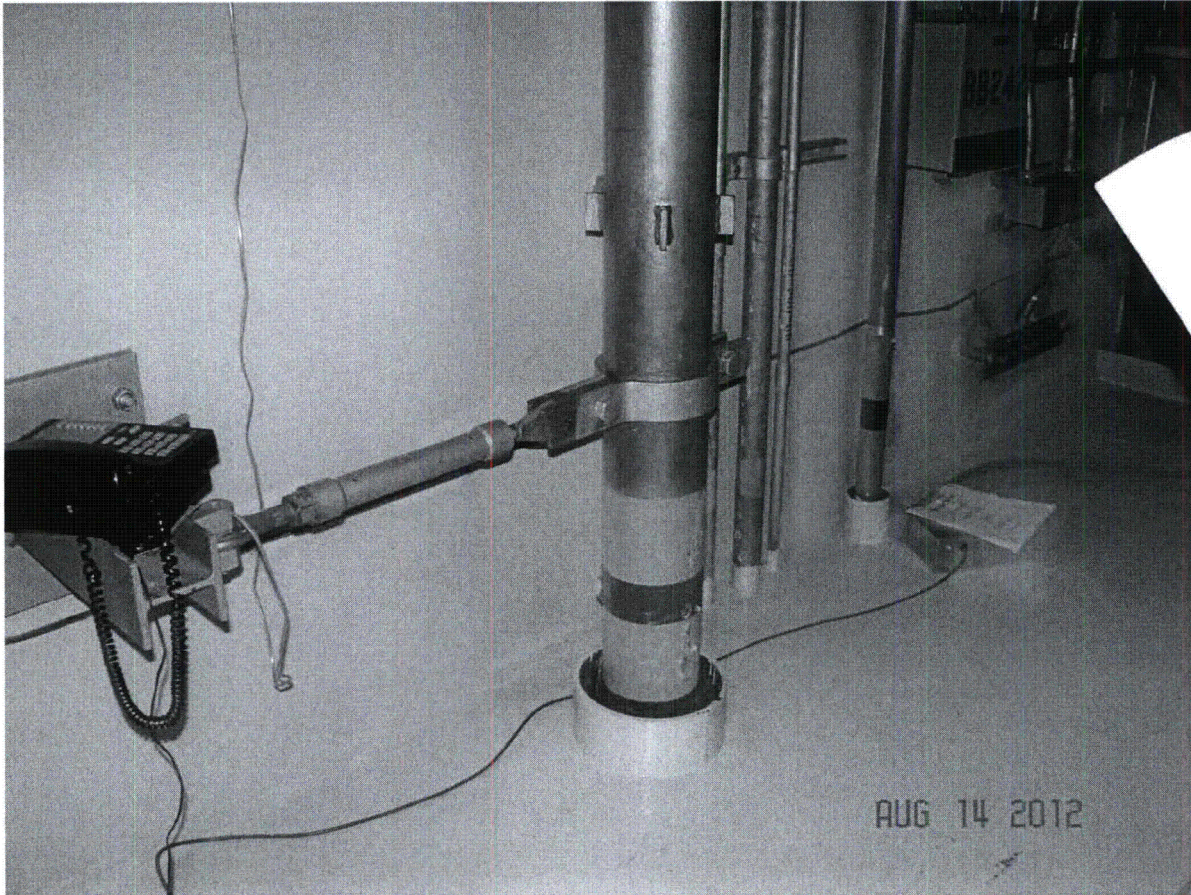


PICTURE #11

Area Walk-By Pictures

RBB-1

Location: Bldg. RB Floor El. 568'-0" Room, Area A-08, Col. G-15



PICTURE #15

Area Walk-By Checklist (AWC)

Assets: P50P402B

Location: Bldg. RB Floor El. 540'-0" Room, Area¹ G-12(area near P50P402B)

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.

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

Ladders to the north are not attached by wire to the wall supports. One piece of equipment (PIS 52002D002) to the SE has a vacant anchor hole. The corresponding Division 1 asset has an identical anchor arrangement and our judgment is that anchor is superfluous due to another anchor nearby. Note: Securing of the ladders with a cable is not required on a seismically designed wall mount per Spec. 3071-544 and drawing C-2585. Ok as is.

(See Photo DSC01174 and DSC01178)

JAM
10/11/12

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

No degraded bolts.

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

All anchored adequately; cable tray > 35' away.

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

A column to the east serves as a protective barrier to any potential loose items or equipment that are beyond the column, though none were noted.

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

MPS 10/5/12

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

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Sheet 2 of 3
Status: Y N U

RBB-2

Area Walk-By Checklist (AWC)

Assets: P50P402B

Location: Bldg. RB Floor El. 540'-0" Room, Area¹ G-12(area near P50P402B)

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
There is a sprinkler system nearby that is in good shape that does not need to be relocated. It was observed that some of the asset's hatch bolts are loose. Operations was contacted to tighten the bolts to seal the hatch from water intrusion from the sprinkler.
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
The sprinkler system and fire extinguishers nearby are mounted as required. These are adequately restrained such that they pose no seismic threat.
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
Ladders to the north not anchored properly (per MOP23) with cabling to the wall supports. Note: Securing of the ladders with cabling is not required per Spec 3071-544 and drawing C-2585. Ok as is.
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

MPS 10/5/12

Comments (Additional pages may be added as necessary)

*ALL DOCUMENTS REFERENCED (LATEST REVISION) WERE REVIEWED
AND NO APPLICABLE POSTINGS WERE FOUND. - DSK 10/12/12*

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

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Sheet 3 of 3
Status: (Y) N U

Area Walk-By Checklist (AWC)

RBB-2

RM# B-04

Location: Bldg. AB Floor El. 540'-0" Room, Area¹ G-12 (area near P50P402B)
COL.

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1: Mihel P. Dasso Date: 8/10/12

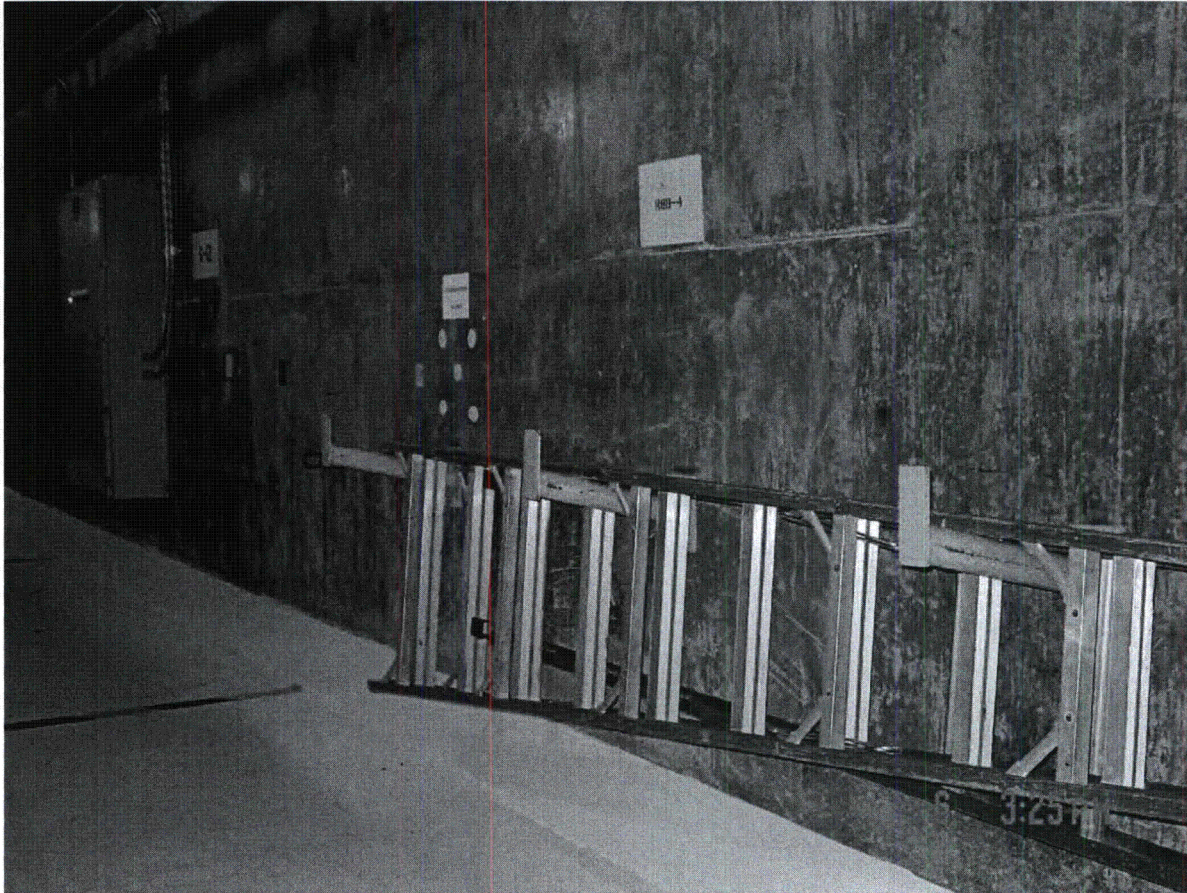
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2: Scott Bauer Date: 8/10/12

Area Walk-By Pictures

RBB-2

Location: Bldg. RB Floor El. 540'-0" Room, Area B-04 / Col. G-12



(DSC01174)

Area Walk-By Pictures

RBB-2

Location: Bldg. RB Floor El. 540'-0" Room, Area B-04 / Col. G-12



(DSC01178)

Area Walk-By Checklist (AWC)

Assets: C1103D128, H21P010

Location: Bldg. RB Floor El. 583'-6" Room, Area¹ A-12, Col. D-10

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.

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

No potentially adverse conditions were identified.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

All nearby anchorage is in good condition.

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

No nearby HVAC duct. Cable tray and conduit are well supported.

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

There are no ceiling tiles, with one exception, lighting is well-supported and cannot swing into equipment. See CARD 12-26588 and photos of broken cable that supports lighting on north side of MCC 72E-5A.

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

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Area Walk-By-Checklist

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Sheet 2 of 3
Status: Y N U

RB1-1

Area Walk-By Checklist (AWC)

Assets: C1103D128, H21P010

Location: Bldg. RB Floor El. 583'-6" Room, Area¹ A-12, Col. D-10

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

No sprinkler systems in overhead.

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

No combustibles in area.

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

No adverse conditions identified.

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

None were found.

Comments (Additional pages may be added as necessary)

Broken cable on support for lighting near MCC 72E-5A was reported on CARD 12-26588 and will be tracked using CARD system as an open item until closed. (See Photos DSC00186 & 189)

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 3 of 3
Status: Y (N) U


RB1-1

Area Walk-By Checklist (AWC)


Assets: C1103D128, H21P010

Location: Bldg. RB Floor El. 583'-6" Room, Area¹ A-12, Col. D-10

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1:  Date: 8/6/12

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2:  Date: 08/06/12

Area Walk-By Pictures

RB1-1

Location: Bldg. RB Floor El. 583'-6" Room, Area A-12 / Col. D-10



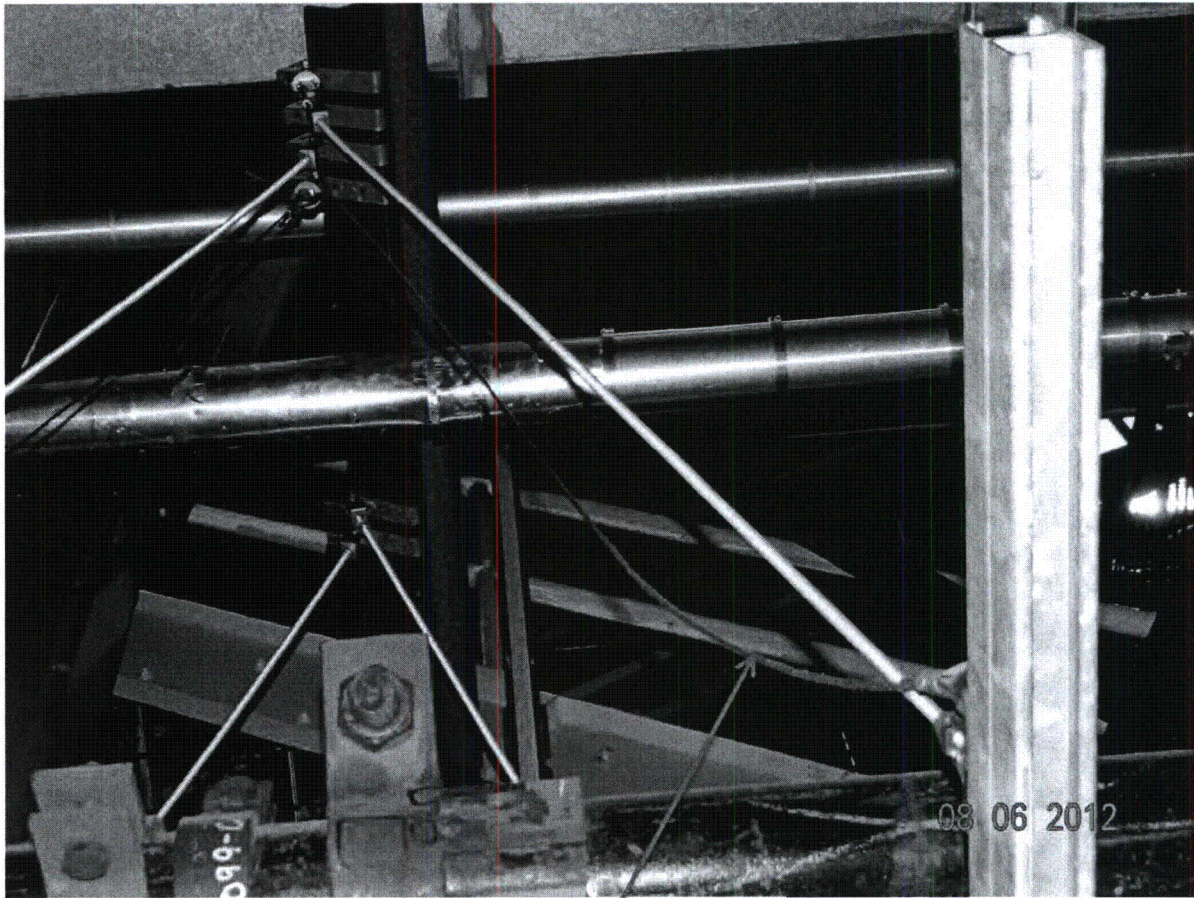
(DSC00186)

"Broken or Loose Cable"

Area Walk-By Pictures

RB1-1

Location: Bldg. RB Floor El. 583'-6" Room, Area A-12 / Col. D-10



"Broken or Loose Cable"

(DSC00189)

Area Walk-By Checklist (AWC)

Assets: C11F160B

Location: Bldg. RB Floor El. 583'-6" Room, Area¹ A-12, Col. G-11

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.

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

All anchorage appears to be free of potentially adverse conditions. See attached photo of general area DSC 00394.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

No visible corrosion. Anchorage free of any degraded conditions.

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

No nearby cable trays or HVAC ducts.

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

No ceiling tiles. Lighting is well supported. Area is free of potentially adverse seismic spatial interactions.

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 2 of 3
Status: Y N U

RBI-2

Area Walk-By Checklist (AWC)

Assets: C11F160B

Location: Bldg. RB Floor El. 583'-6" Room, Area¹ A-12, Col. G-11

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

No threats in overhead areas that could cause flooding or spray.

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

No potentially adverse seismic interactions were identified that could cause a fire.

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

No seismic housekeeping, portable equipment or temporary installation issues were identified.

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

No other seismic conditions identified.

Comments (Additional pages may be added as necessary)

See attached photo of general area DSC 00394.

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 3 of 3
Status: Y N U


RB1-2

Area Walk-By Checklist (AWC)

Assets: C11F160B

Location: Bldg. RB Floor El. 583'-6" Room, Area¹ A-12, Col. G-11

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1:  Date: 08/06/12

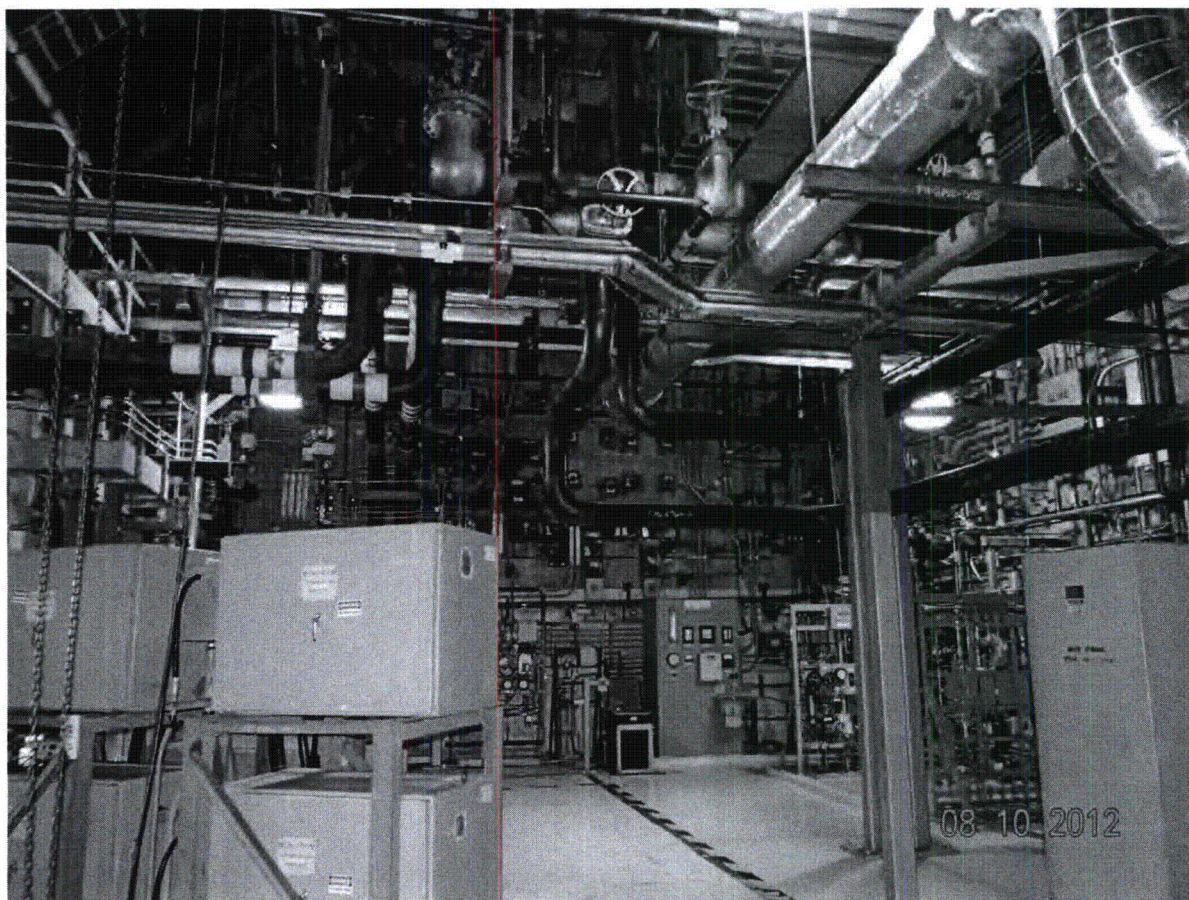
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2:  Date: 8/6/12

Area Walk-By Pictures

RB1-2

Location: Bldg. RB Floor El. 583'-6" Room, Area A-12 / Col. G-11



(DSC00394)

Area Walk-By Checklist (AWC)

Assets: C11F163A & C11F182A

Location: Bldg. RB Floor El. 583'-6" Room, Area¹ A-12, Col. C-13

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.

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

All anchors in the area were observed to be intact and securely tightened.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

There is some rust in the 2nd anchor on the east side of the north set of the HCU's (C1103D059). This will not affect operability or adversely affect seismic functionality because the anchor is not significantly degraded. (see picture B6)

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

There are no observed concerns with any of the nearby cable/conduit raceways and HVAC ducting, including their supports.

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

There are no observed spatial interaction hazards associated with overhead or nearby equipment.

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 2 of 3
Status: Y N U

RB1-3

Area Walk-By Checklist (AWC)

Assets: C11F163A & C11F182A

Location: Bldg. RB Floor El. 583'-6" Room, Area¹ A-12, Col. C-13

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
- No flooding or spray hazards observed.*

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
- No fire hazards observed.*

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
- A trip hazard sign nearby is not restrained or anchored. It is approximately 4' tall but less than 2' from the HCU's (see picture B10). Submitted to maintenance as a housekeeping issue on 8/16/12. The trip hazard sign is very similar in size and shape to the RP stanchion evaluated in TE-A30-08-066. Therefore, it will not overturn during a seismic event.*

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
- No other adverse seismic conditions identified.*

Comments (Additional pages may be added as necessary)

MPS 10/3/12

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

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Sheet 3 of 3
Status: (Y) N U

Area Walk-By Checklist (AWC)

RB1-3

Location: Bldg. RB Floor El. 1 (583'-6") Room, Area' A-12, Col. C-13

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1: Mil P. Dasso Date: 8/21/12

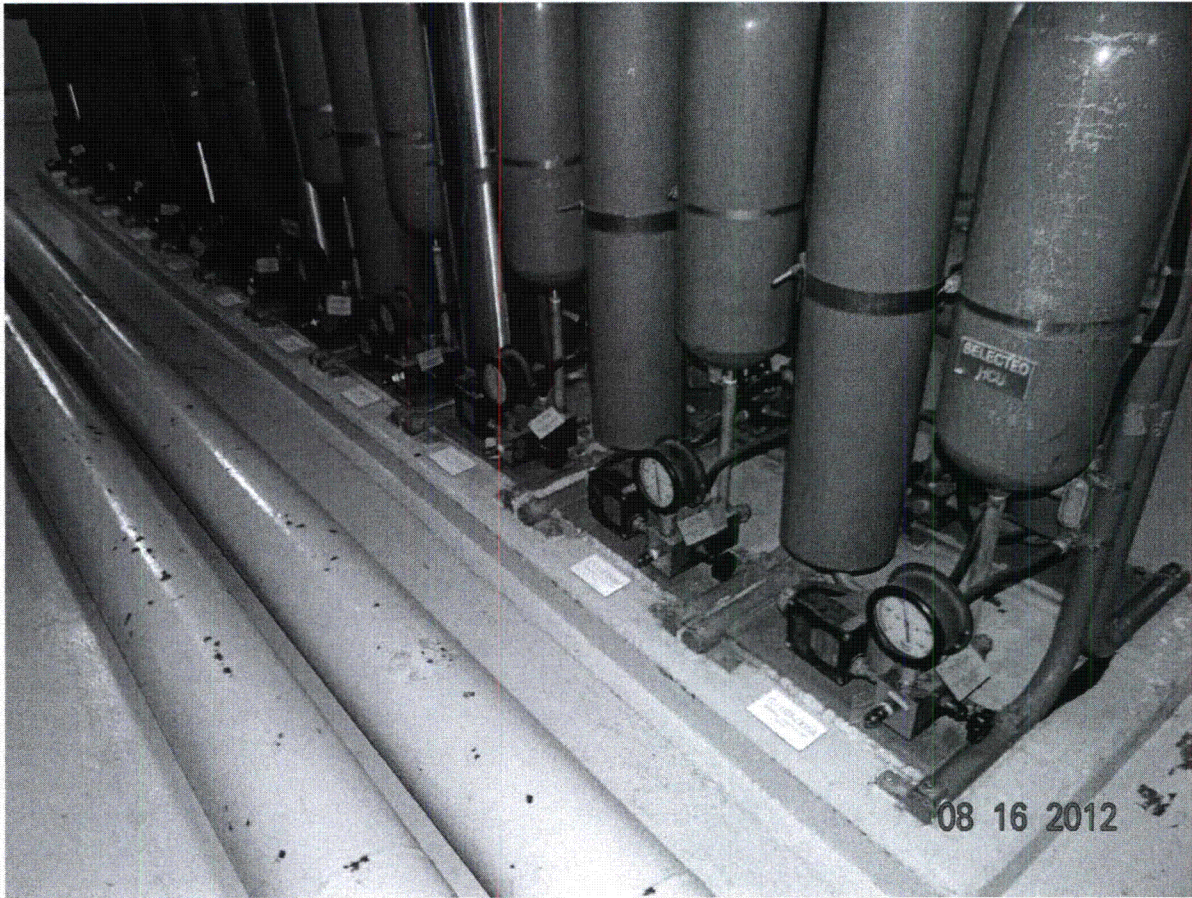
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2: Scott Bauer Date: 8/21/12

Area Walk-By Pictures

RB1-3

Location: Bldg. RB Floor El. 583'-6" Room, Area A-12 / Col. C-13



(Picture B6)

RB1-4

Area Walk-By Checklist (AWC)

Assets: *E1150F016A and T49P400A*

Location: Bldg. RB Floor El. 583'-6" Room, Area¹ A-12, Col. B-13

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.

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
- There were no observed adverse seismic conditions associated with nearby anchorage.*

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A
- No degraded conditions observed.*

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
- There are no observed seismic concerns with any of the nearby cable/conduit raceways or HVAC ducting, including their supports. (See picture 7.)*

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
- There are no observed spatial interaction hazards with overhead or nearby equipment.*

MPS 10/4/12

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

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Area Walk-By-Checklist

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Sheet 2 of 3
Status: Y N U

RBI-4

Area Walk-By Checklist (AWC)

Assets: *E1150F016A and T49P400A*

Location: Bldg. *RB* Floor El. *583'-6"* Room, Area¹ *A-12, Col. B-13*

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

No flooding or spray hazards observed.

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

No fire hazards observed.

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

Area is clean and free of potentially adverse seismic conditions.

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

No other adverse seismic conditions were identified.

Comments (Additional pages may be added as necessary)

MPS 10/4/12

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Area Walk-By-Checklist

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Sheet 3 of 3
Status: N U

RB1-4

Area Walk-By Checklist (AWC)

Location: Bldg. RB Floor El. 1 (583'-6") Room, Area' A-12, Col. B-13

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1: Mick P. Dasso Date: 8/16/12

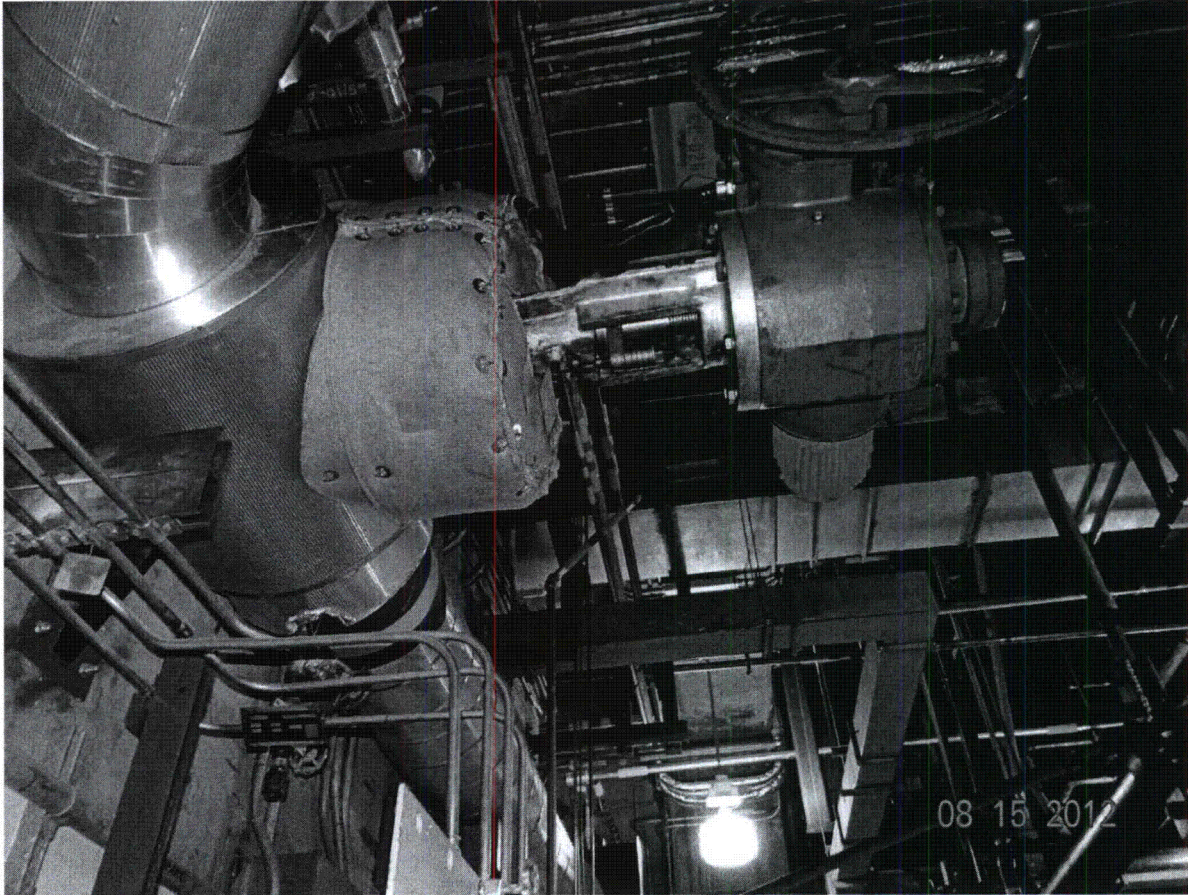
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2: Scott Bauer Date: 8/16/12

Area Walk-By Pictures

RB1-4

Location: Bldg. RB Floor El. 583'-6" Room, Area A-17 / Col. B-13



(Picture 7)

Area Walk-By Checklist (AWC)

Assets: P4400F603B & P4400F601B

Location: Bldg. RB Floor El. 583'-6" Room, Area¹ Room A-12, Col. F-10

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.

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

Anchorage is free of adverse conditions.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

Anchorage is not degraded.

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

No adverse conditions involving cables, conduits or HVAC ductwork.

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

A 3" keep-fill line to the Core Spray Discharge Header was found to be in contact with an adjacent handrail. Because the pipe in the Core Spray Line is larger (heavier) than the pipe in the handrail and the distance between the two is not enough to permit the development of any significant velocity or impact forces, the handrail will not damage the pipe. Nevertheless, a further evaluation is considered necessary. CARD 12-26586 was initiated. (See attached Photos DSC00388, 389, 391 and 393)

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC)

Assets: P4400F603B & P4400F601B

Location: Bldg. RB Floor El. 583'-6" Room, Area¹ Room A-12, Col. F-10

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
No flooding concerns were identified.

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
No conditions were identified that could cause a fire.

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
No seismic housekeeping concerns were identified.

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
No other seismic conditions were identified that could adversely affect equipment.

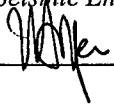
Comments (Additional pages may be added as necessary)

Area Walk-By Checklist (AWC)

Assets: P4400F603B & P4400F601B

Location: Bldg. RB Floor El. 583'-6" Room, Area¹ Room A-12, Col. F-10

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1 :  Date: 08/06/12

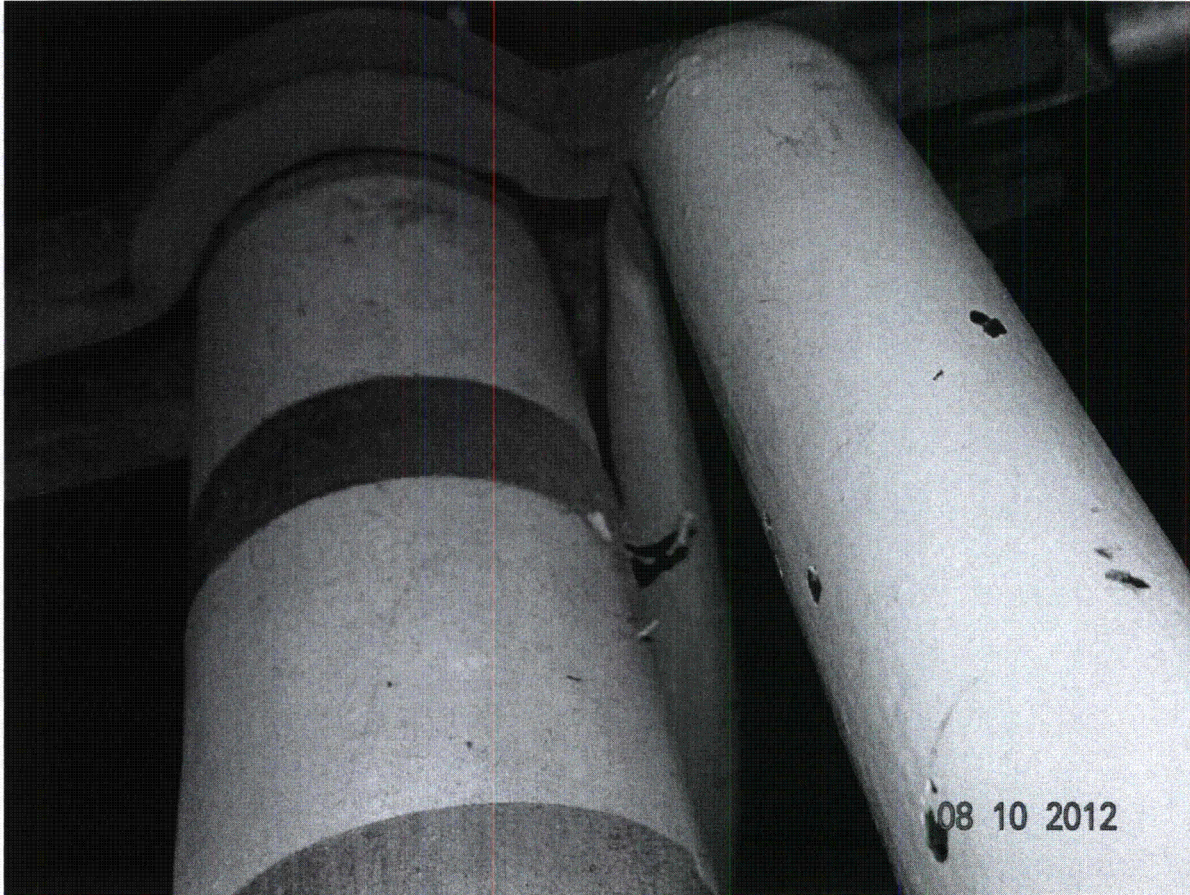
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2 :  Date: 8/6/12

Area Walk-By Pictures

RB1-5

Location: Bldg. RB Floor El. 583'-6" Room, Area A-12, Col. F-10



(DSC 00388)

Area Walk-By Pictures

RB1-5

Location: Bldg. RB Floor El. 583'-6" Room, Area A-12, Col. F-10



(DSC 00389)

Area Walk-By Pictures

RB1-5

Location: Bldg. RB Floor El. 583'-6" Room, Area A-12, Col. F-10

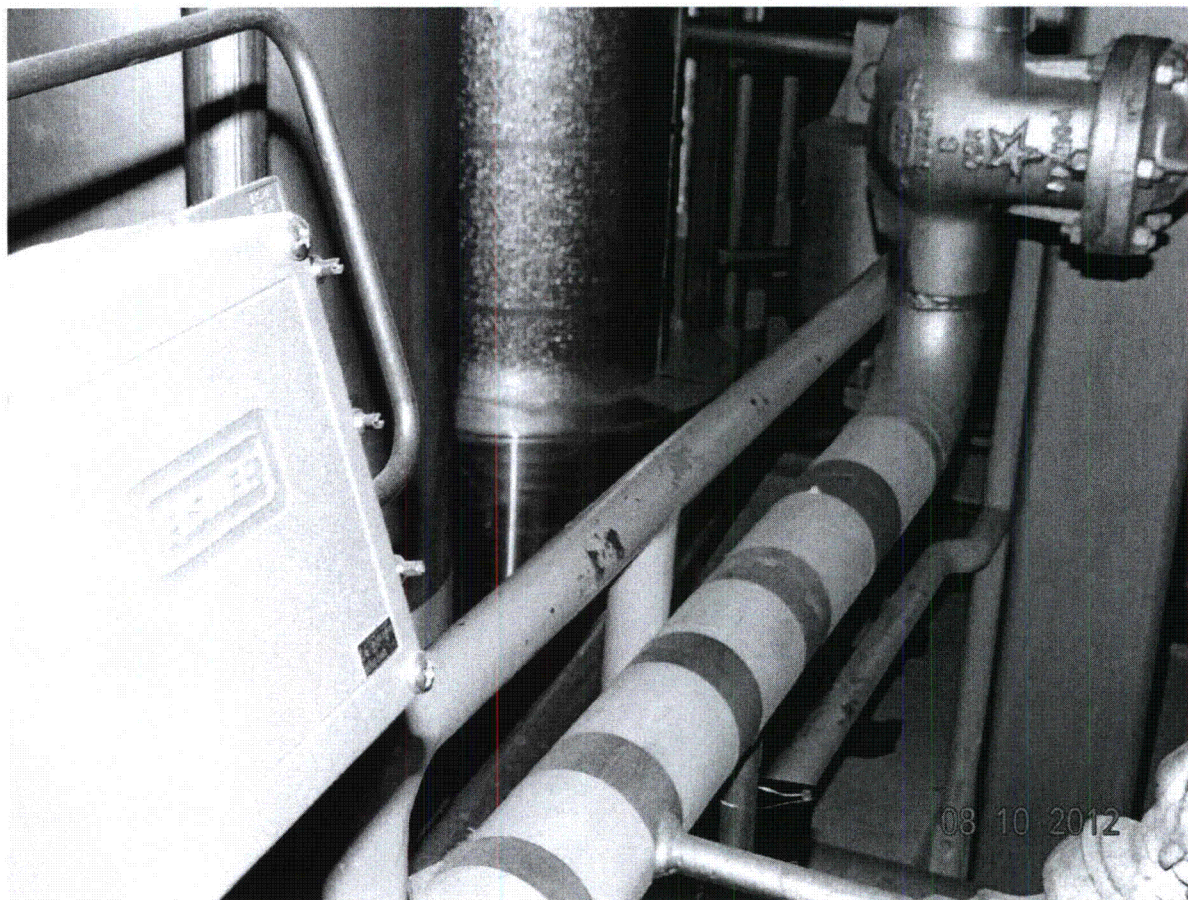


(DSC 00391)

Area Walk-By Pictures

RB1-5

Location: Bldg. RB Floor El. 583'-6" Room, Area A-12, Col. F-10



(DSC 00393)

Area Walk-By Checklist (AWC)

Assets: *G4100F016*

Location: Bldg. *RB* Floor El. *583'-6"* Room, Area¹ *A-12, Col. A-12*

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.

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

All anchorage in the area was observed to be intact and securely tightened.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

No anchorage in the area was observed to be degraded.

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

All raceways and ducting in the area were observed to be adequately supported and anchored.

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

There is a bulb valve in the vicinity, with a rod inserted into the bottom that is adjacent to T8000F098, and it is attached to its piping system via a fairly thin valve connection. The bulb valve is I/I and is not an impact source for the asset or any other equipment in the area. (See picture 44.)

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

MPS 10/4/12

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 2 of 3
Status: Y N U

RB1-6

Area Walk-By Checklist (AWC)

Assets: G4100F016

Location: Bldg. RB Floor El. 583'-6" Room, Area¹ A-12, Col. A-12

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

There was no observed flooding or spray hazards.

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

There were no observed fire hazards.

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

The asset is surrounded by lead blankets and radiation caution signs. The latter are chained to the lead blanket supports and to each other, so they are appropriately restrained. (See Picture 1.)

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

None identified.

Comments (Additional pages may be added as necessary)

None.

MPS
10/4/12

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 3 of 3
Status: Y N U

RB1-6

Area Walk-By Checklist (AWC)

ASSETS: G4100F016

Location: Bldg. RB Floor El. 583'-6" Room, Area' A-12, Col. A-12

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1: Mr. P. Sam Date: 8/24/12

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2: Scott Bawen Date: 8/24/12

Area Walk-By Pictures

RB1-6

Location: Bldg. RB Floor El. 583'-6" Room, Area A-12 / Col. A-12

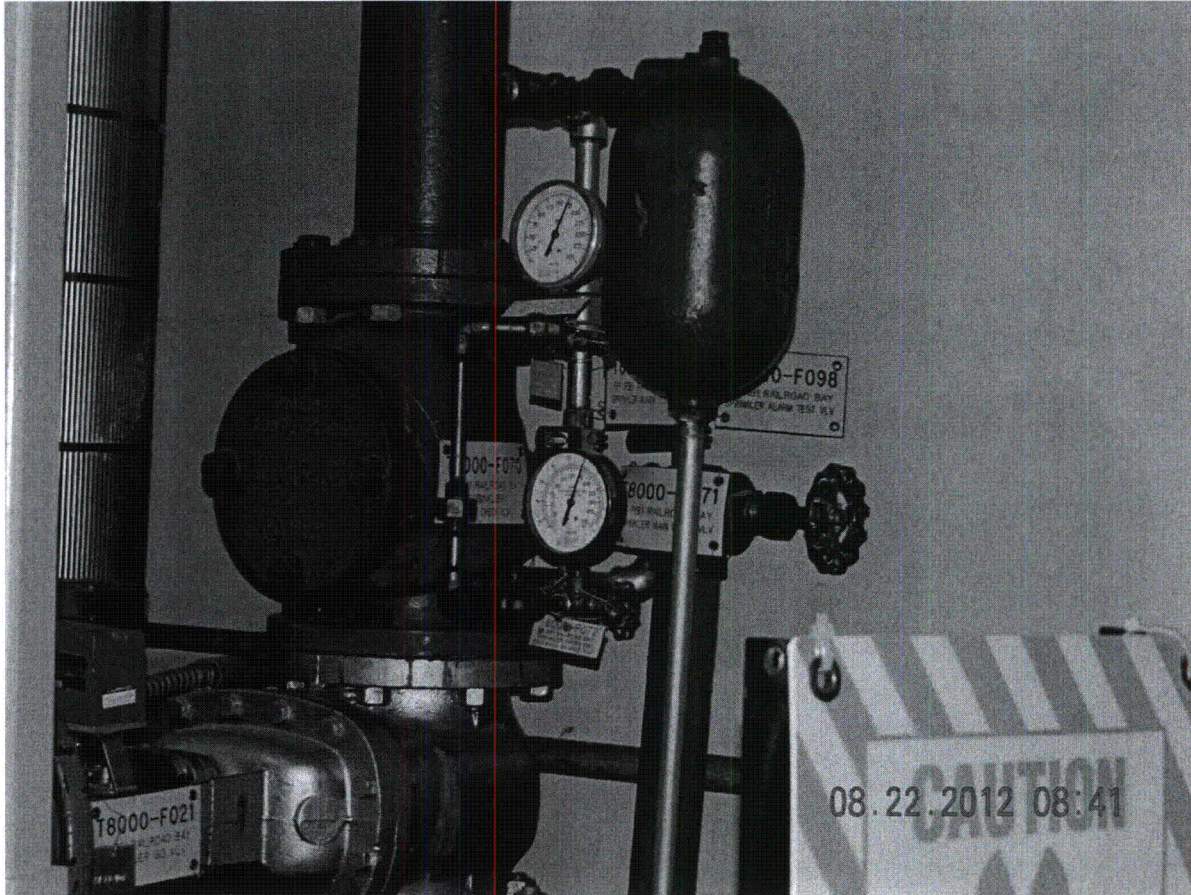


(Picture 1)

Area Walk-By Pictures

RB1-6

Location: Bldg. RB Floor El. 583'-6" Room, Area A-12 / Col. A-12



(Picture 44)

Area Walk-By Checklist (AWC)

Assets: C4104F004A & H21P632

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17, Col. C-11

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.

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

Items were reviewed such as cable trays, pipe hangers, conduit and unistruts. The equipment anchorage was adequate.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

See above.

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

Raceways were evaluated from the catwalk (See picture 4).

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

There is a 2"± diameter pipe within approx. 2" of the asset's pipe insulation. The 2" pipe is restrained from movement in the asset pipe direction by nearby lateral pipe restraints. Configuration is judged acceptable.

MPS 10/3/12

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC)

Assets: C4104F004A & H21P632

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17, Col. C-11

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

The asset is near the ceiling of the Reactor Building second floor.

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

The asset is wrapped in insulation. There are no observed fire hazards in the area.

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

Nothing of this nature is near the catwalk.

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

No other adverse seismic conditions were identified.

Comments (Additional pages may be added as necessary)

MPS 10/3/12

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 3 of 3
Status: (Y) N U

Area Walk-By Checklist (AWC)

RBSB-3

MPS (u10094) 9/19/12

Location: Bldg. AB RB Floor El. 540'-0" Room, Area' HPCI Room

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1: Michael P. Sasse Date: 8/8/12

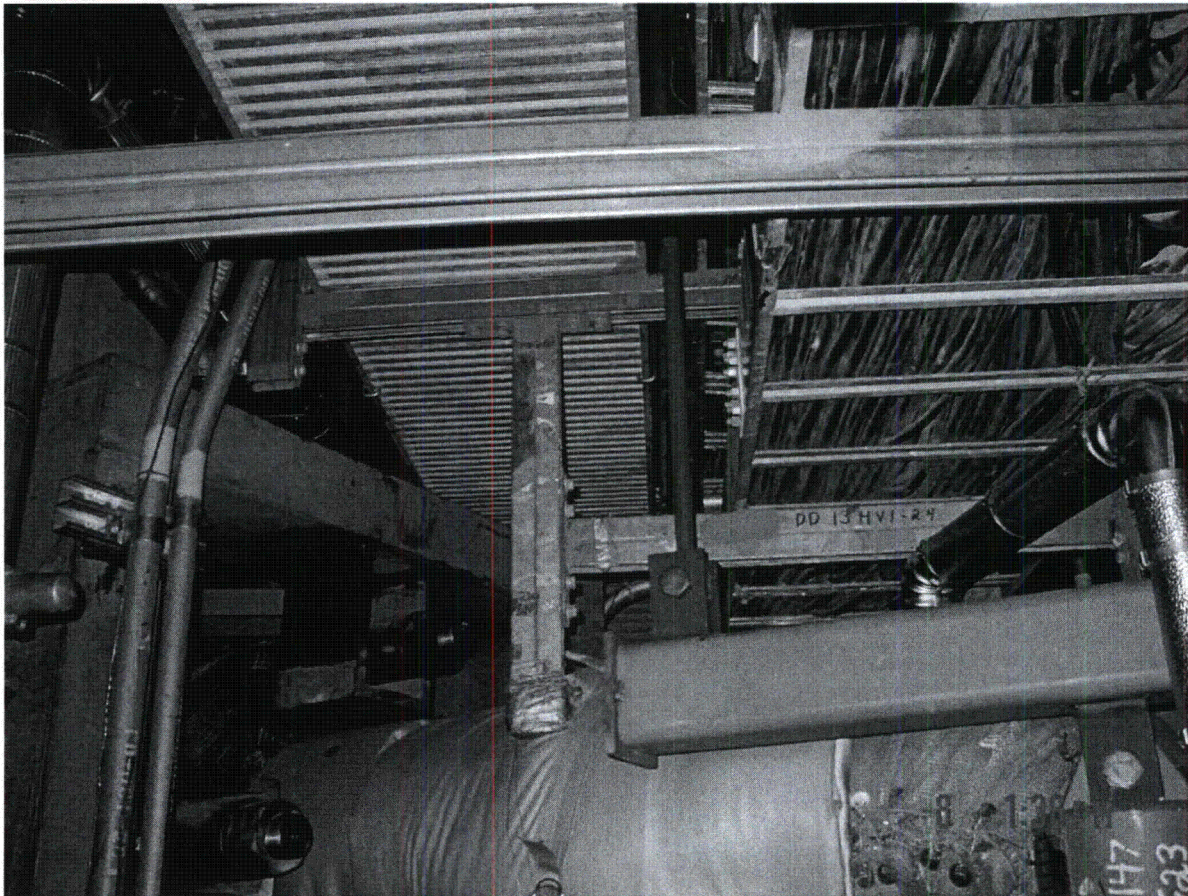
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2: Scott Bauer Date: 8/8/12

Area Walk-By Pictures

RB2-1

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17/Col. C-11



(Picture 4)

Area Walk-By Checklist (AWC)

Assets: *E1150F068A*

Location: Bldg. *RB* Floor El. *613'-6"* Room, Area¹ *A-22N, Col. C-17*

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.

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
- All anchors in the area were observed to be intact and securely tightened.*

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A
- No degraded conditions were observed in the anchorage in the vicinity.*

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
- Cable/conduit and HVAC ducts are adequately mounted and free of potentially adverse seismic conditions. (See picture 10.)*

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
- There are no observed spatial interaction hazards associated with overhead or nearby equipment. Note that the asset was more than 6" away from any SSC.*

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

MPS 10/4/12

Area Walk-By Checklist (AWC)

Assets: *E1150F068A*

Location: Bldg. *RB* Floor El. *613'-6"* Room, Area¹ *A-22N, Col. C-17*

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
No flooding or spray hazards observed.

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
No fire hazards observed.

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
There were no observed housekeeping concerns or portable equipment or temporary installations.

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
No other adverse seismic conditions were identified.

Comments (Additional pages may be added as necessary)

*It was found that there are cracks in the concrete ceiling above the asset. This concern has been forwarded to Engineering for further evaluation (8/23/12)
Engineering has evaluated this concern and has determined that this is an acceptable condition and exists throughout the plant. (8/23/12)*

MPS 10/4/12

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 3 of 3
Status: (Y) N U

RB2-2

Area Walk-By Checklist (AWC)

ASSETS: E1150F068A

Location: Bldg. RB Floor El. 2(613'-6") Room, Area¹ A-22N, Col. C-17

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1 : Mill P. Serr Date: 8/16/12

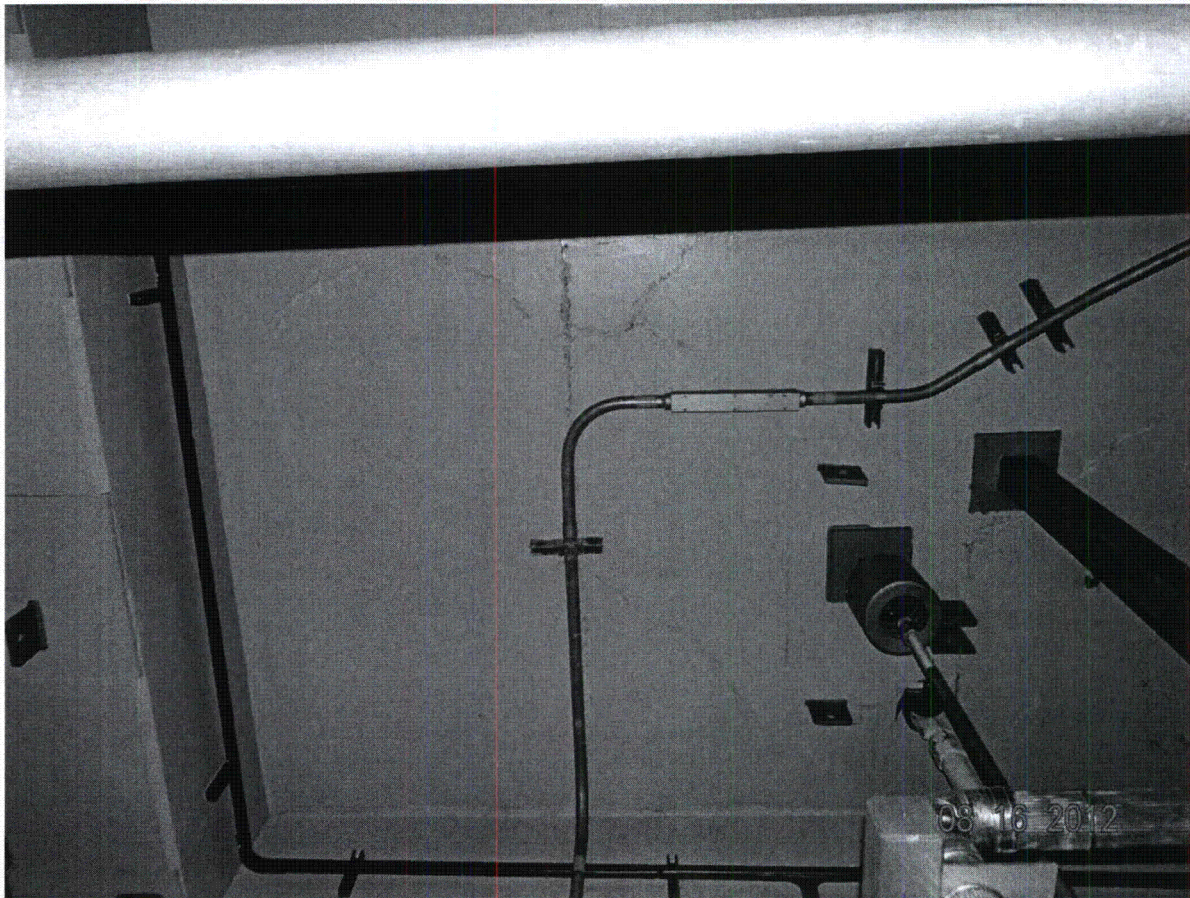
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2 : Scott Bauer Date: 8/16/12

Area Walk-By Pictures

RB2-2

Location: Bldg. RB Floor El. 613'-6" Room, Area A-22N/Col. C-17



(Picture 10)

Area Walk-By Checklist (AWC)

Assets: *H21P448 & P44K400B*

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17, Col. D-10

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.

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

Equipment anchorage is adequate.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

No degraded conditions identified. (see Photo DSC00300)

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

No HVAC duct in area. Conduit and cable trays are adequately supported (see Photos DSC00290 & 00292).

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

No ceiling tiles in the area. Light fixtures are not located where they could impact equipment if their supports failed.

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 2 of 3
Status: Y N U

RB2-3

Area Walk-By Checklist (AWC)

Assets: H21P448 & P44K400B

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17, Col. D-10

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

None identified.

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

None identified.

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

No housekeeping concerns were identified.

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

None were found.

Comments (Additional pages may be added as necessary)

None

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 3 of 3
Status: Y N U

RB2-3

Area Walk-By Checklist (AWC)

Assets: *H21P448 & P44K400B*

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17, Col. D-10

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1 : *[Signature]* Date: 8/8/12

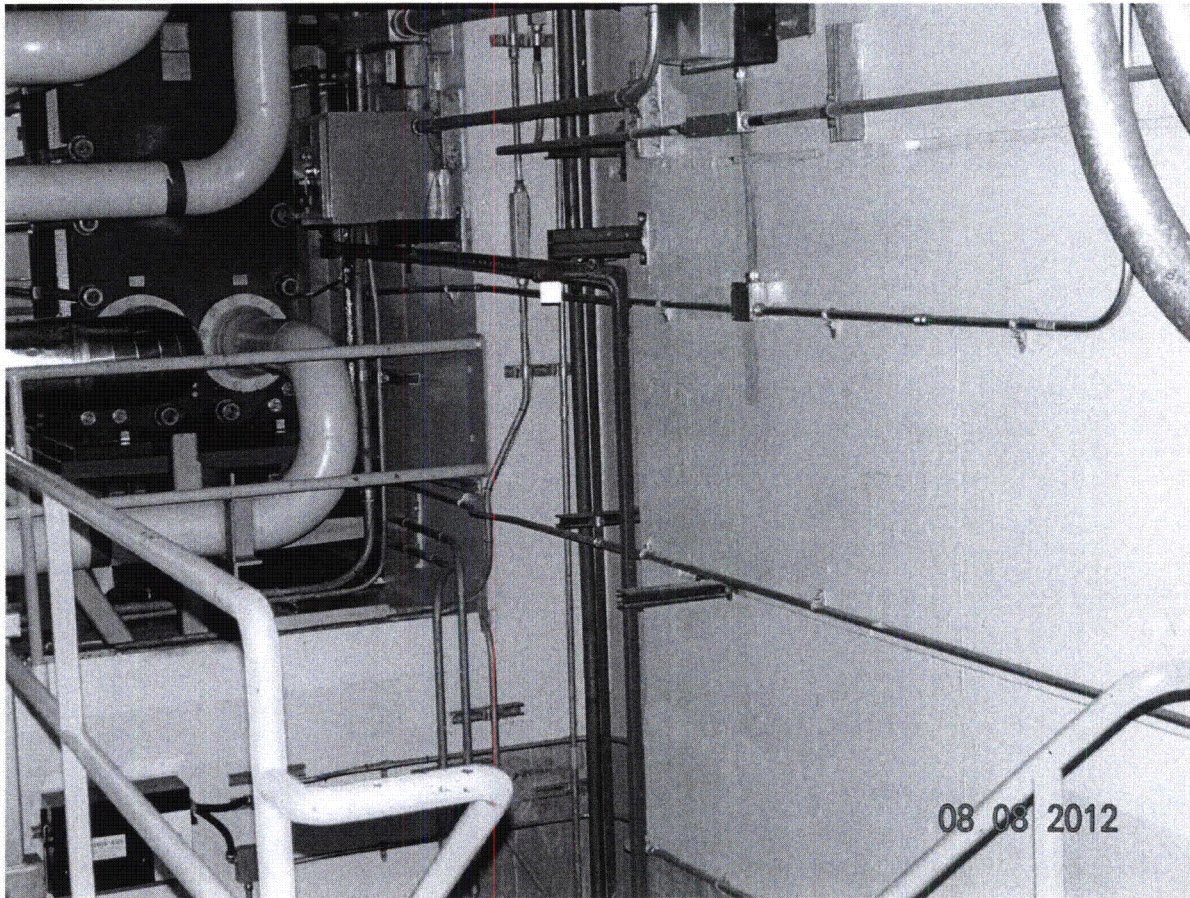
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2 : *[Signature]* Date: 08/08/12

Area Walk-By Pictures

RB2-3

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17, Col. D-10



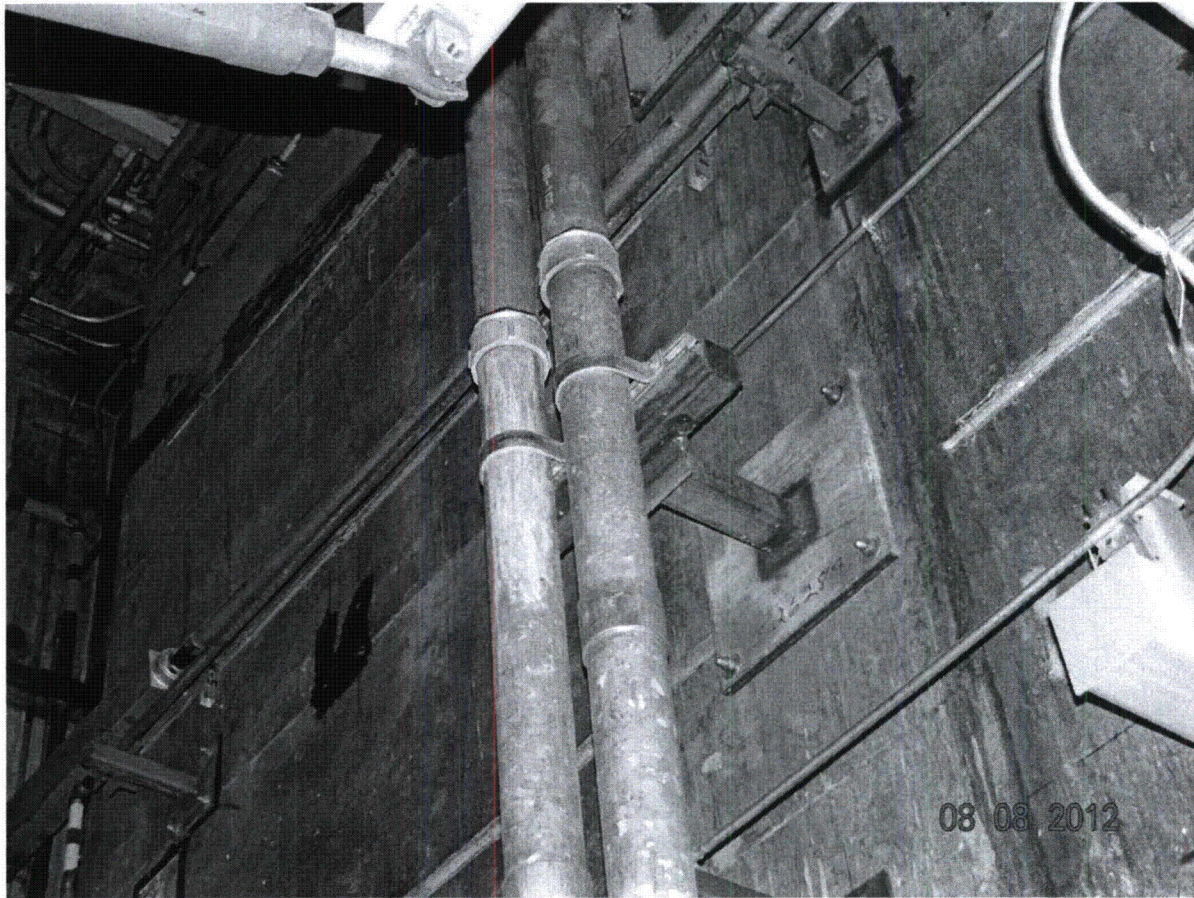
(DSC 00290)

Conduits Attached to Wall

Area Walk-By Pictures

RB2-3

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17, Col. D-10



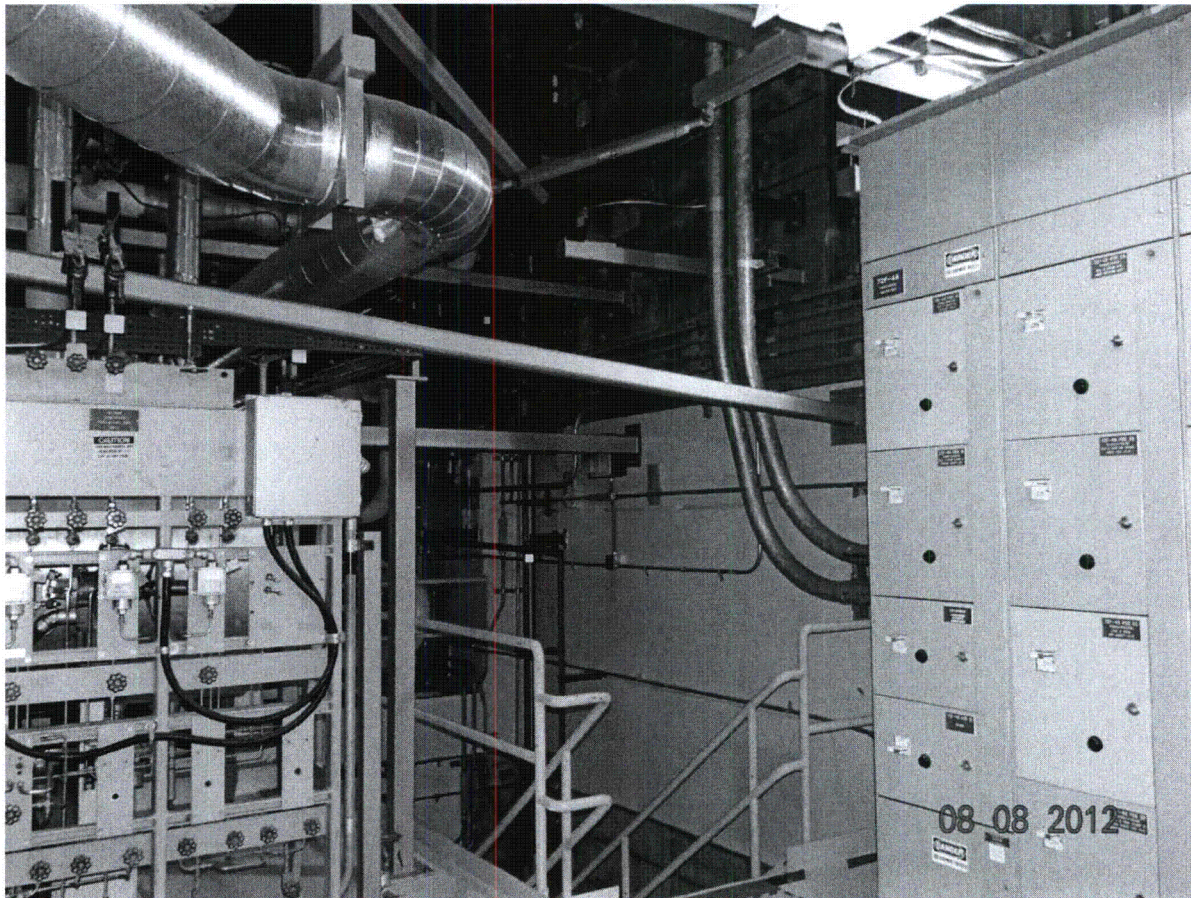
(DSC 00292)

Heavy-Duty Conduit Supports

Area Walk-By Pictures

RB2-3

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17, Col. D-10



(DSC 00300)

Overview of the Area

Area Walk-By Checklist (AWC)

Assets: P4400B001B

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17A, Col. E-9

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.

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

All nearby equipment is well supported.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

Surface oxidation on anchors is minor and acceptable. No other adverse conditions were identified.

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

All commodities are adequately supported. (See Photos DSCN0028 & 0029)

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

No ceiling tiles in area. No adverse spatial interactions were identified.

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 2 of 3
Status: Y N U

RB2-4

Area Walk-By Checklist (AWC)

Assets: P4400B001B

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17A, Col. E-9.

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

None identified.

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

No combustibles in area. Compressed gas cylinders contain nitrogen, a noncombustible gas.

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

No housekeeping concerns were identified.

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

No other seismic conditions found.

Comments (Additional pages may be added as necessary)

None.

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 3 of 3
Status: N U

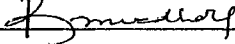
RB2-4

Area Walk-By Checklist (AWC)

Assets: P4400B001B

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17A, Col. E-9

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1 :  Date: 8/8/12

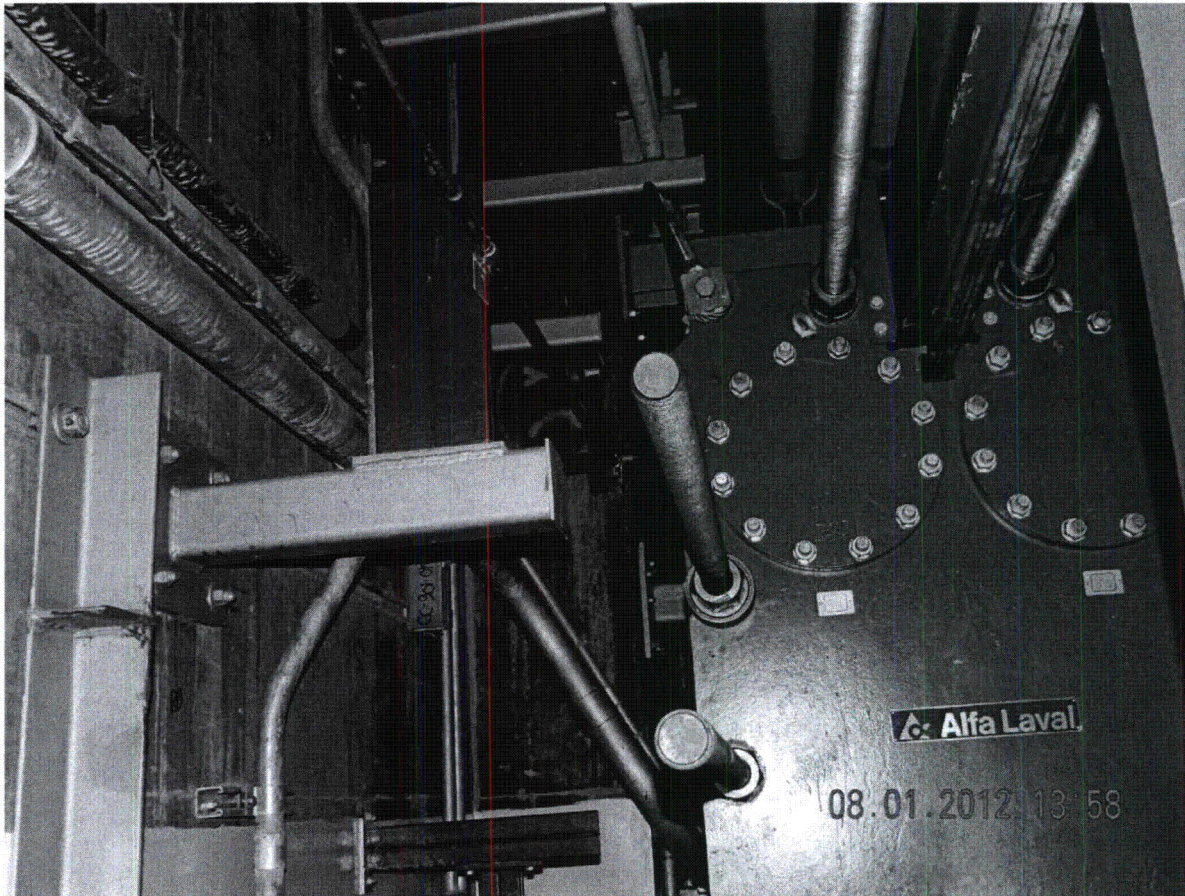
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2 :  Date: 08/08/12

Area Walk-By Pictures

RB2-4

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17A / Col. E-9

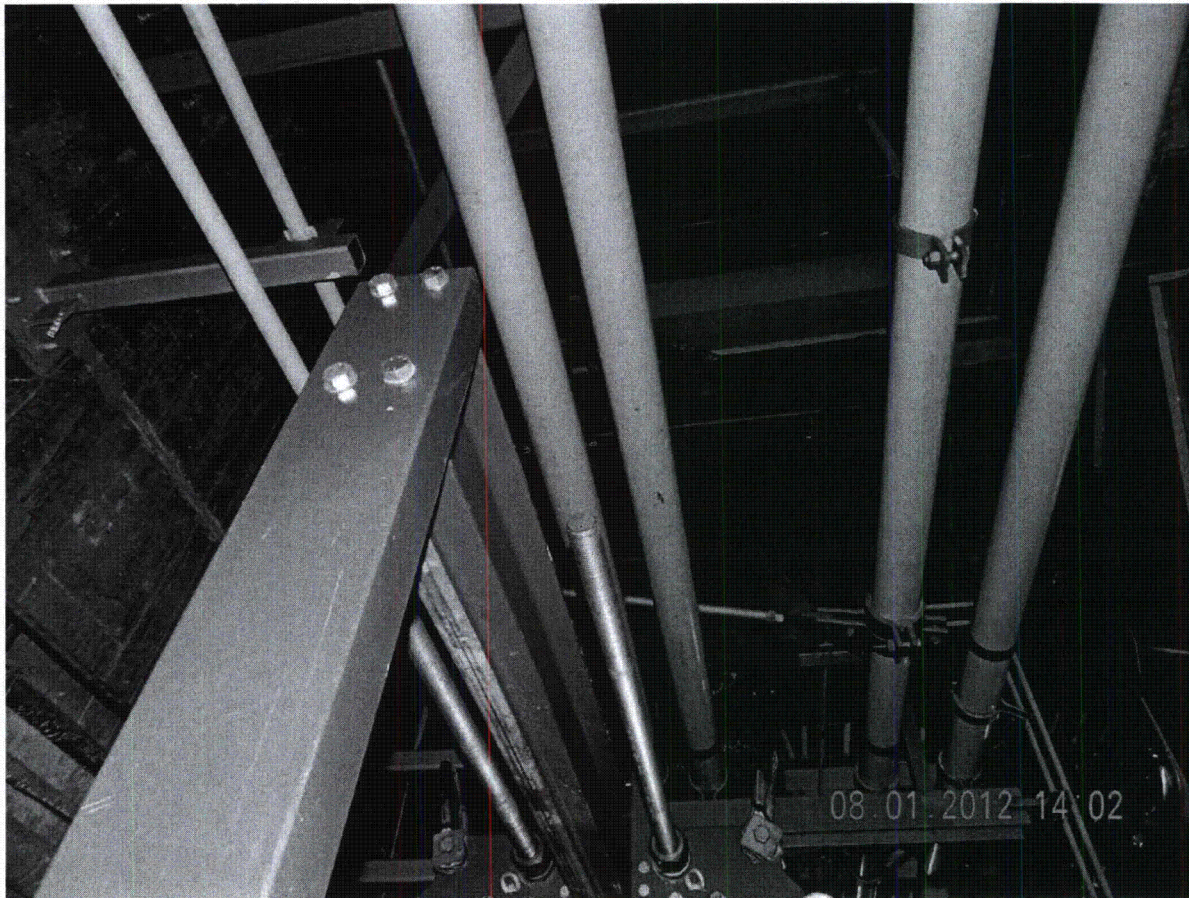


(DSCN 0028)

Area Walk-By Pictures

RB2-4

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17A / Col. E-9



(DSCN 0029)

Area Walk-By Checklist (AWC)

Assets: P4400B001C, P44N401A & P44F400A

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17, Col. A/B - 11/14

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.

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

Anchorage of equipment in the area is free of adverse seismic conditions. See photo 006, 007 & 009 of the area.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

No degraded conditions noted in the area.

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

Cable/conduit raceways are adequately supported. No HVAC or cable trays in the area. No concern for adverse seismic conditions.

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

No ceiling tiles in the area. Lights are adequately supported, thus area is free of seismic spatial interactions.

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC)

Assets: P4400B001C, P44N401A & P44F400A

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17, Col. A/B - 11/14

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

The area has piping which is adequately supported & free of potentially adverse seismic interactions. No cause for flooding or spray.

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

No combustibile material identified in the area.

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

The area is free of adverse seismic interactions. There are no temporary installations and there is no portable equipment in the area. Overall area is in clean condition.

-
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

None identified

Comments (Additional pages may be added as necessary)

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 3 of 3
Status: Y N U

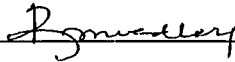
RB2-5

Area Walk-By Checklist (AWC)


Assets: P4400B001C, P44N401A & P44F400A

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17, Col. A/B - 11/14

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1:  Date: 8/15/12

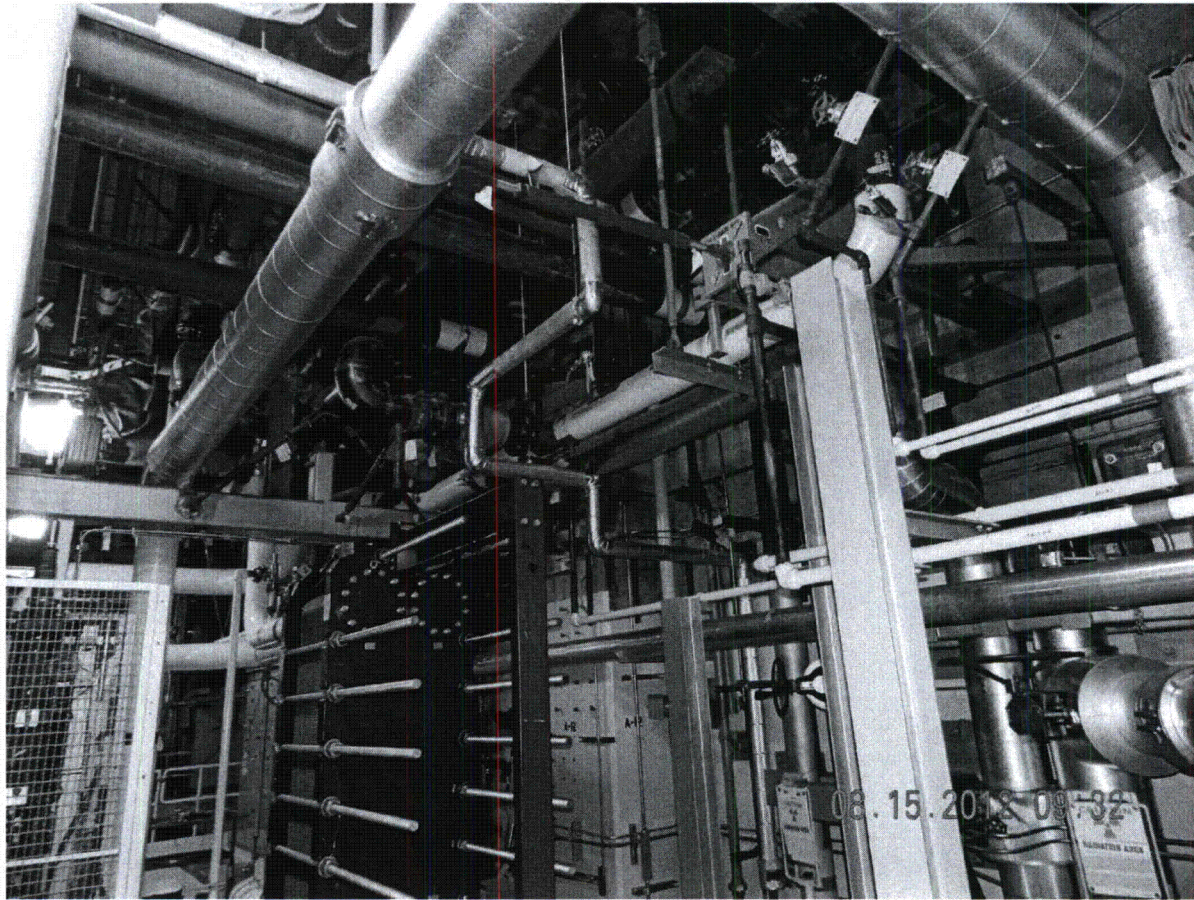
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2:  Date: 08/15/12

Area Walk-By Pictures

RB2-5

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17, Col. A/B - 11/14

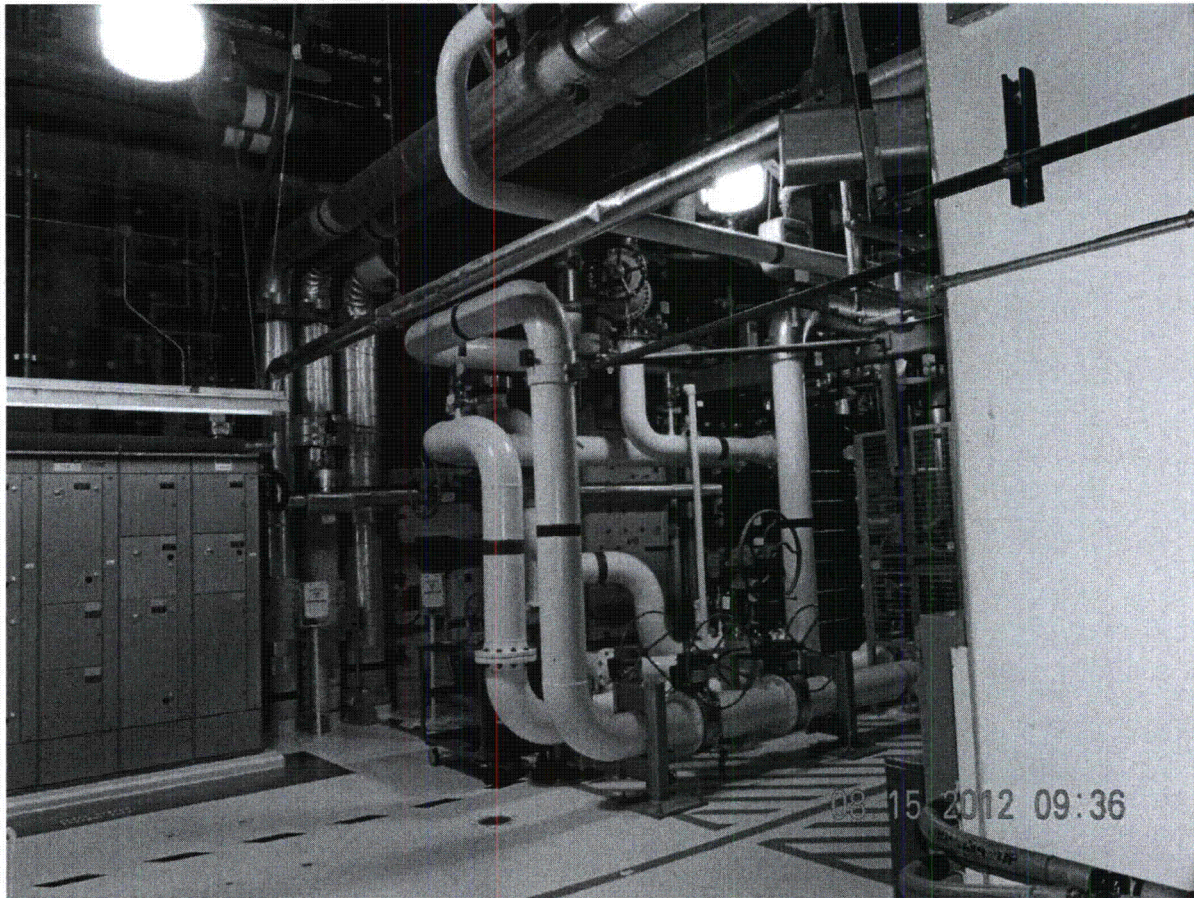


(Photo 006)

Area Walk-By Pictures

RB2-5

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17, Col. A/B - 11/14

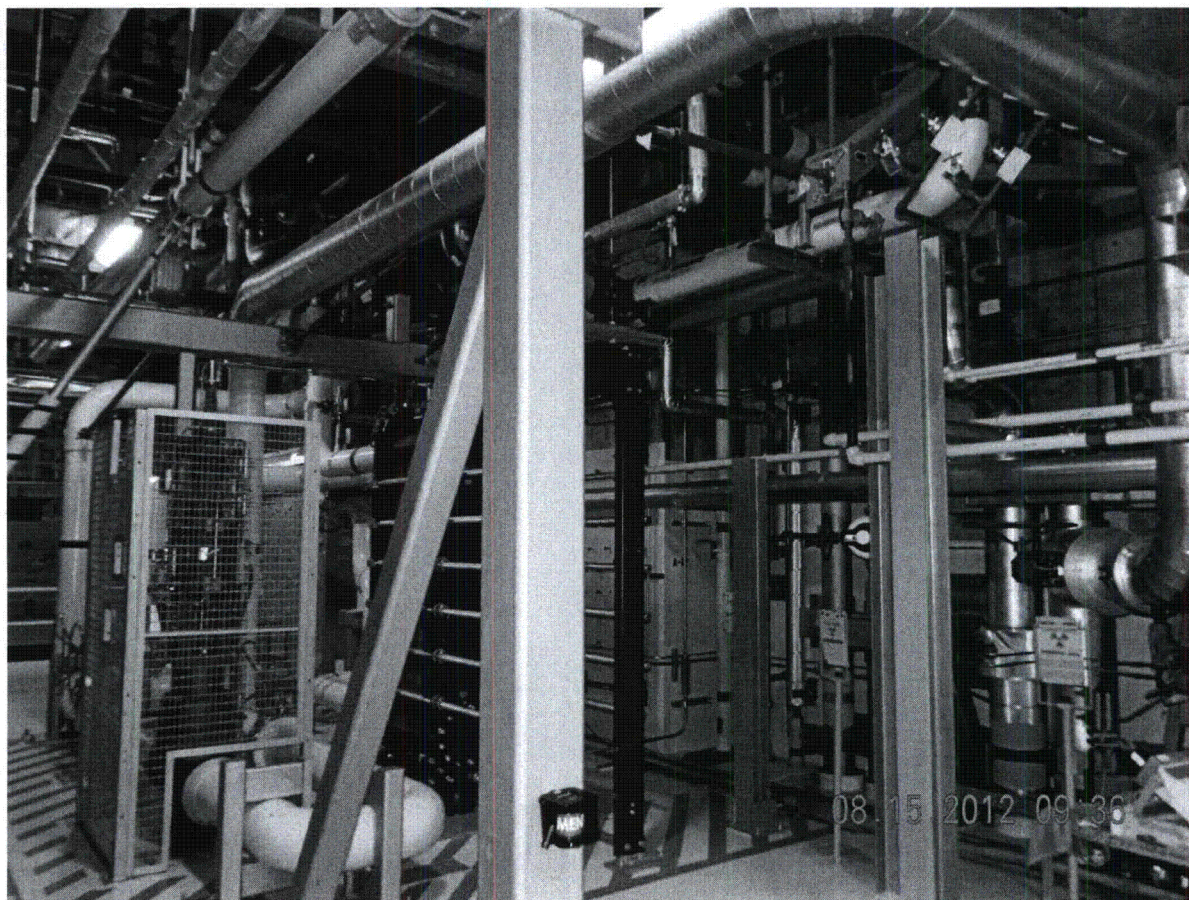


(Photo 007)

Area Walk-By Pictures

RB2-5

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17, Col. A/B - 11/14



(Photo 009)

Area Walk-By Checklist (AWC)

Assets: P4400C001A, P44F402A, P44P403A

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17, Col. A/B - 13/15

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.

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

Overall area is clean. Equipment is either floor or wall-mounted and seismically acceptable.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

No degraded conditions were identified.

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

Cable/conduit raceways are adequately supported. No HVAC ductwork in this area.

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

No ceiling tiles. Lights are adequately supported.

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC)

Assets: P4400C001A, P44F402A, P44P403A

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17, Col. A/B - 13/15

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 has floor drains. Equipment, piping, tanks, panels are adequately supported and free of potentially adverse seismic interactions (see Photo 018.JPG). Flooding/water spray are not a concern.

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

No combustible or flammable material found in this area.

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

None identified during this Area Walk-By.

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

No other seismic conditions found that could adversely affect the safety function of equipment in this area.

Comments (Additional pages may be added as necessary)

This Area Walk-By applies to assets# P4400C001A, P44F402A and P44P403 in the vicinity of Col. Lines A/B and 13/15.

Ferri 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 3 of 3
Status: Y N U

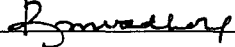
RB2-6

Area Walk-By Checklist (AWC)

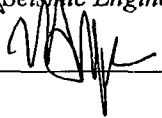
Assets: P4400C001A, P44F402A, P44P403A

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17, Col. A/B - 13/15

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1:  Date: 8-16-12

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2:  Date: 08/16/02

Area Walk-By Pictures

RB2-6

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17, Col. A/B - 13/15



(018.JPG)

Area Walk-By Checklist (AWC)

Assets: T4100B035 & P44F402B

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17A, Col. E-10

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.

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

Overhead piping is well supported. This would be the principal concern during a seismic event since it represents the majority of "equipment" in the area. (See Photos DSC00307 & DSC00312)

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

No degraded conditions identified.

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

HVAC & Multi-Tier cable trays are adequately supported.

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

No ceiling tiles in this area. Lighting is adequately supported.

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC)

Assets: T4100B035 & P44F402B

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17A, Col. E-10

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

No flooding or spray issue in the area. Floor drain is in vicinity of the pump room cooler.

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

None identified.

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

None identified. No housekeeping concerns.

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

None identified

Comments (Additional pages may be added as necessary)

None.

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 3 of 3
Status: N U

RB2-7

Area Walk-By Checklist (AWC)

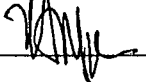
Assets: T4100B035 & P44F402B

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17A, Col. E-10

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1 :  Date: 8/8/12

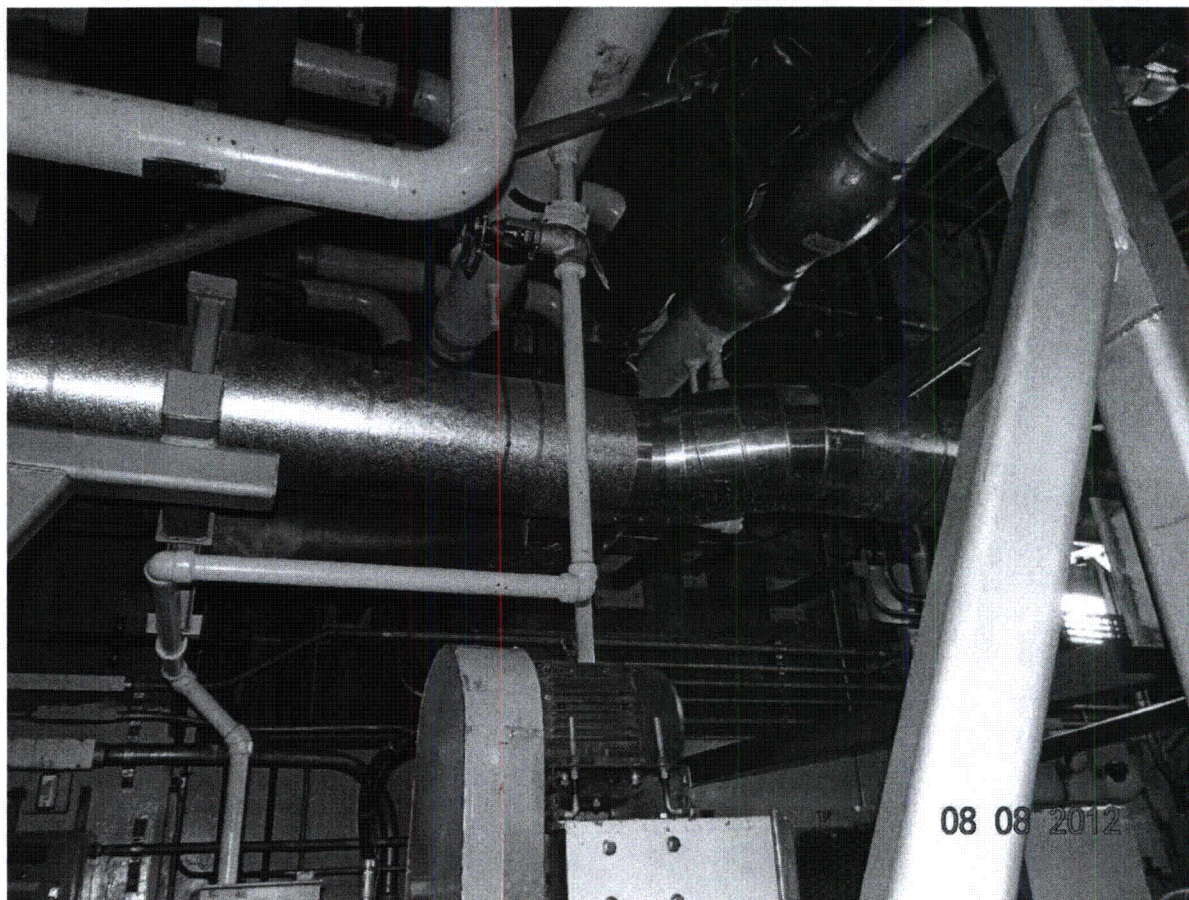
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2 :  Date: 08/08/12

Area Walk-By Pictures

RB2-7

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17A, Col. E-10

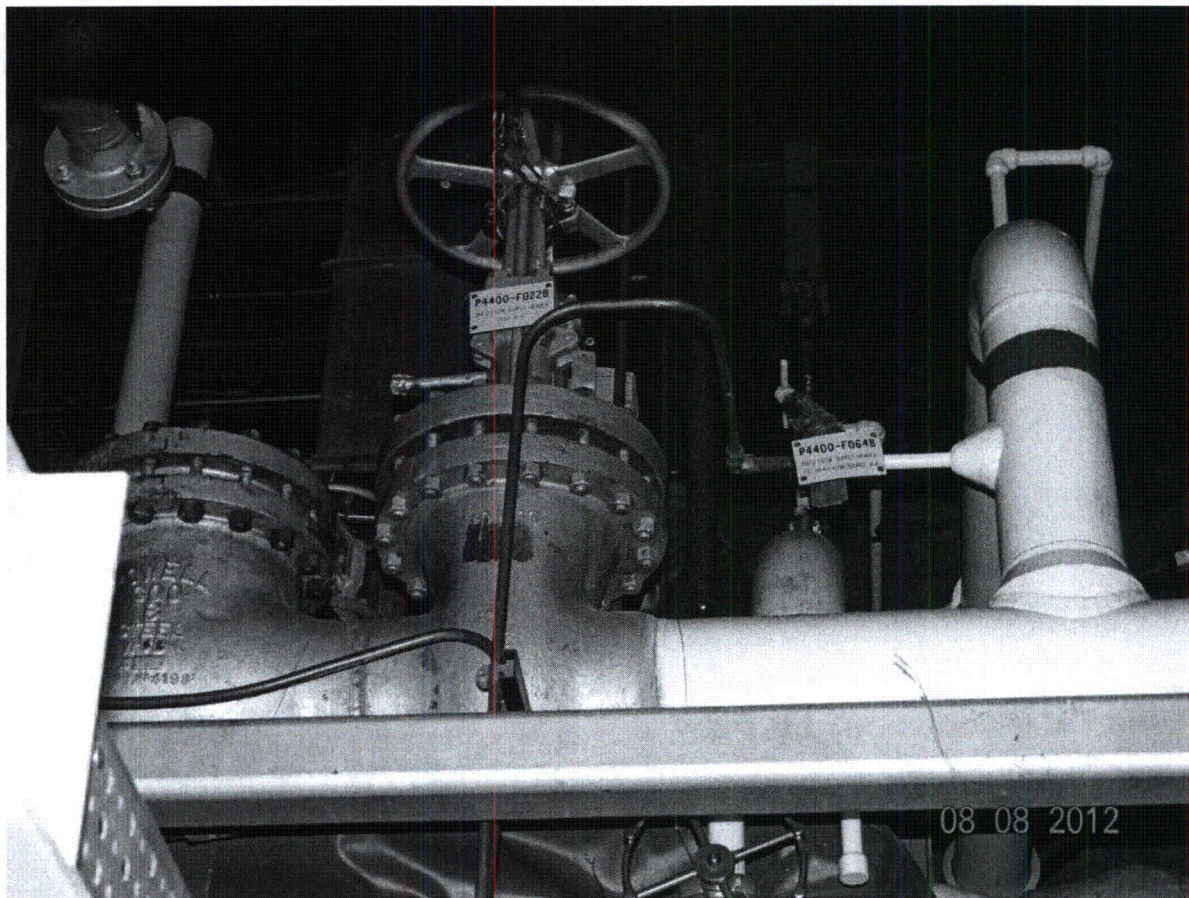


(DSC00307)

Area Walk-By Pictures

RB2-7

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17A, Col. E-10



(DSC00312)

Area Walk-By Checklist (AWC)

Assets: T50F450

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17, Col. B-12

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.

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

All equipment in the area is anchored and restrained from movement during a seismic event. No loose or missing anchors.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

All of the anchors are in good shape, no corrosion.

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

Pipe, conduits, and ducts in the vicinity are appropriately anchored to the ceiling via tension rods, braced against lateral movement via struts, and/or anchored to the floor. The cable trays are not in a position to affect the asset.

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

Many lights are suspended from the ceiling by tension rods. These can swing during a seismic event, but their anchorage will prevent them from falling. The swing radius will not affect the asset.

mps 10/3/12

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC)

Assets: T50F450

Location: Bldg. RB Floor El. 613'-6" Room, Area¹ A-17, Col. B-12

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

There are no items in the vicinity that could cause a flooding or spray hazard.

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

There are no items in the vicinity that could cause a fire hazard. Cylinders nearby contain non-flammable gas.

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

There is a portable storage cabinet on the other side of a large concrete column. This column will protect the asset from the cabinet, which is restrained by a cable. See pictures B4 and B5. There are no housekeeping concerns.

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

No other adverse conditions identified.

Comments (Additional pages may be added as necessary)

None.

MPS 10/3/12

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 3 of 3
Status: (Y) N U

Area Walk-By Checklist (AWC)

RB 2-8

Assets: T50F450

Location: Bldg. RB Floor El. 6B'6" Room, Area' A-17 (area near T50F450)

Col. B-12

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1: M. P. Dasso Date: 8/10/12.

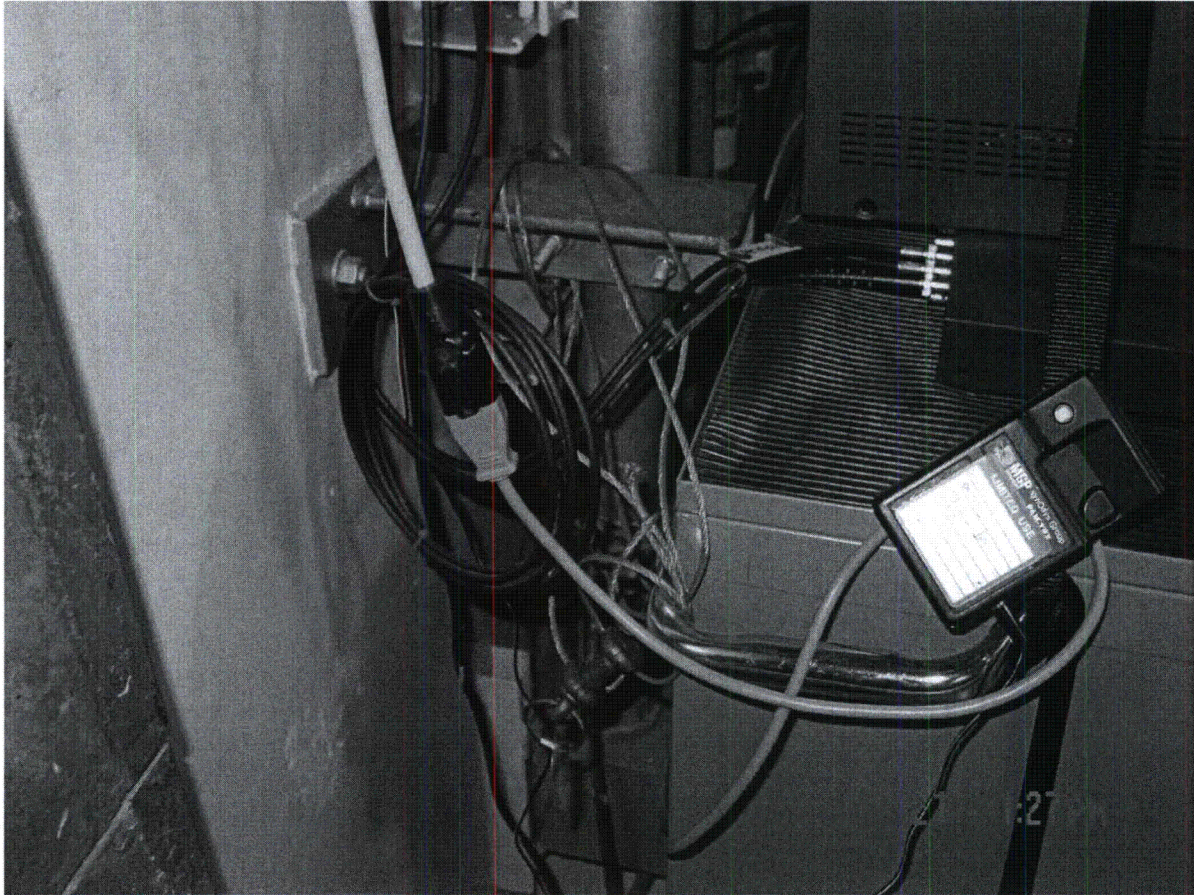
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2: Scott Buren Date: 8/10/12

Area Walk-By Pictures

RB2-8

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17, Col. B-12

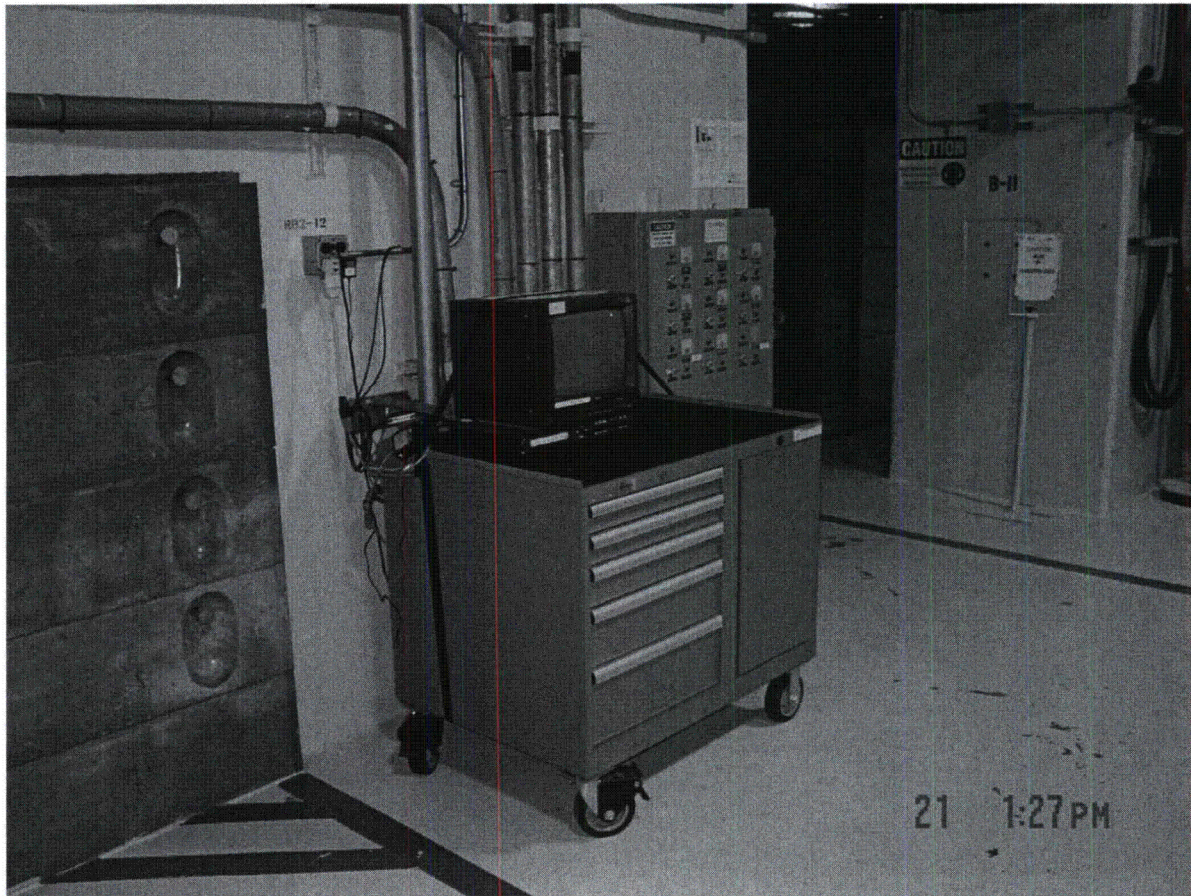


Picture B4

Area Walk-By Pictures

RB2-8

Location: Bldg. RB Floor El. 613'-6" Room, Area A-17, Col. B-12



Picture B4

Area Walk-By Checklist (AWC)

Assets: T4600F407

Location: Bldg. RB Floor El. 641'-6" Room, Area¹ Room A-24, Col. F-13

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.

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

All anchorage appears to be free of potentially adverse seismic conditions (see Photos DSC00224, 225 & 227 of overhead items).

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

No visible degraded conditions.

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

HVAC and cable trays are adequately supported and free of potentially adverse conditions (see Photos DSC00224, 225 & 227).

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

No ceiling tiles. Lights are adequately supported in the area .

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 2 of 3
Status: Y N U

RB3-1

Area Walk-By Checklist (AWC)

Assets: T4600F407

Location: Bldg. RB Floor El. 641'-6" Room, Area¹ Room A-24, Col. F-13

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

No sources of flooding or water spray in the area. No sprinkler system only detectors.

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

No concern of fire in the area.

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

No concern with housekeeping issues.

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

No other adverse conditions identified.

Comments (Additional pages may be added as necessary)

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 3 of 3
Status: N U

RB3-1

Area Walk-By Checklist (AWC)

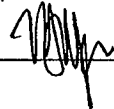
Assets: T4600F407

Location: Bldg. RB Floor El. 641'-6" Room, Area' Room A-24, Col. F-13

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1 :  Date: 8/7/12

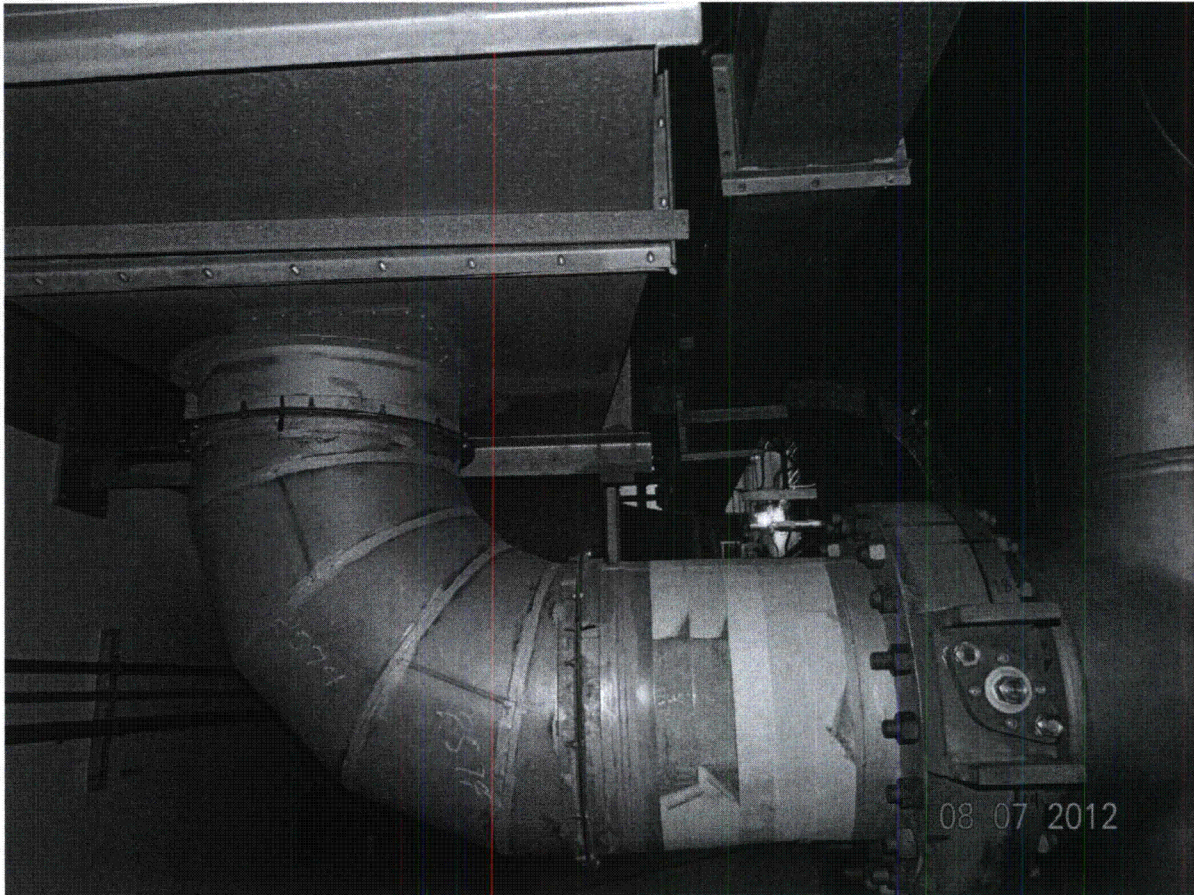
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2 :  Date: 08/07/12

Area Walk-By Pictures

RB3-1

Location: Bldg. RB Floor El. 641'-6" Room, Area A-24, Col. F-13

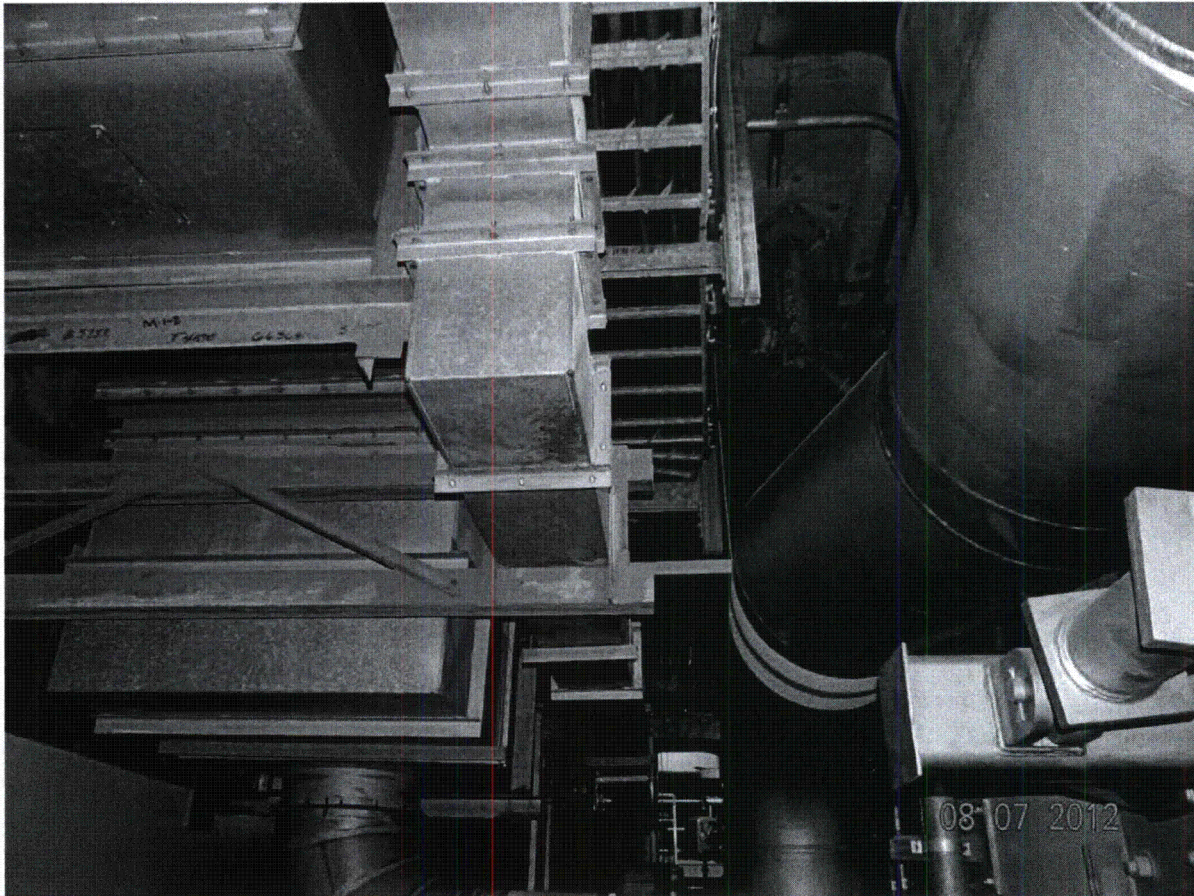


(DSC00224)

Area Walk-By Pictures

RB3-1

Location: Bldg. RB Floor El. 641'-6" Room, Area A-24, Col. F-13

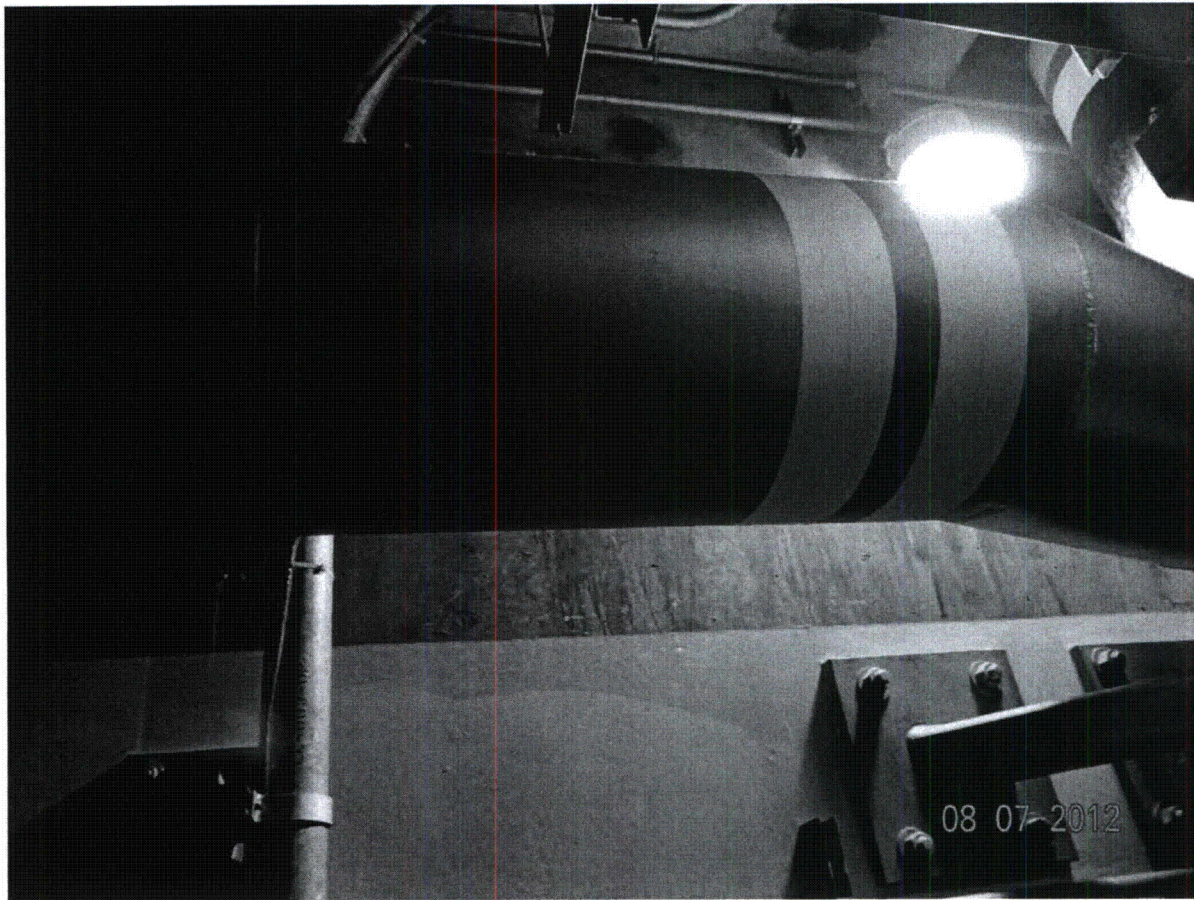


(DSC00225)

Area Walk-By Pictures

RB3-1

Location: Bldg. RB Floor El. 641'-6" Room, Area A-24, Col. F-13



(DSC00227)

Area Walk-By Checklist (AWC)

Assets: C4103C001A

Location: Bldg. RB Floor El. 659"-6" Room, Area¹ A-33

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.

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

All anchorage appears to be free of potentially adverse seismic conditions.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

No visible degraded conditions for anchorage of equipment.

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

Cable/conduit raceways and HVAC in the area are adequately supported thus free of adverse seismic conditions. See Photo DSC00247.

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

No ceiling tiles in the area. Lights are adequately supported.

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 2 of 3
Status: Y N U

RB4-1

Area Walk-By Checklist (AWC)

Assets: C4103C001A

Location: Bldg. RB Floor El. 659"-6" Room, Area¹ A-33

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
No sprinkler or fire protection piping in the area, only detectors are in the area. Thus no flooding or spray concern. Initiate CARD for Boric Acid leak. Ref. CARD 12-26855 (see Photo DSC00241 & 242)

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
Poorly supported heat tracing cable (Photo DSC00238) and visible oil (Photo DSC00234) may cause fire. Refer to CARDS 12-26633 & 12-27488.

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
No seismic interactions with housekeeping issues identified.

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
No other seismic conditions that adversely affect the safety functions identified.

Comments (Additional pages may be added as necessary)

None.

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 3 of 3
Status: Y N U

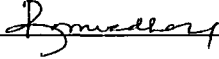
RB4-1

Area Walk-By Checklist (AWC)


-Assets: C4103C001A

Location: Bldg. RB Floor El. 659"-6" Room, Area¹ A-33

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1:  Date: 8/31/12

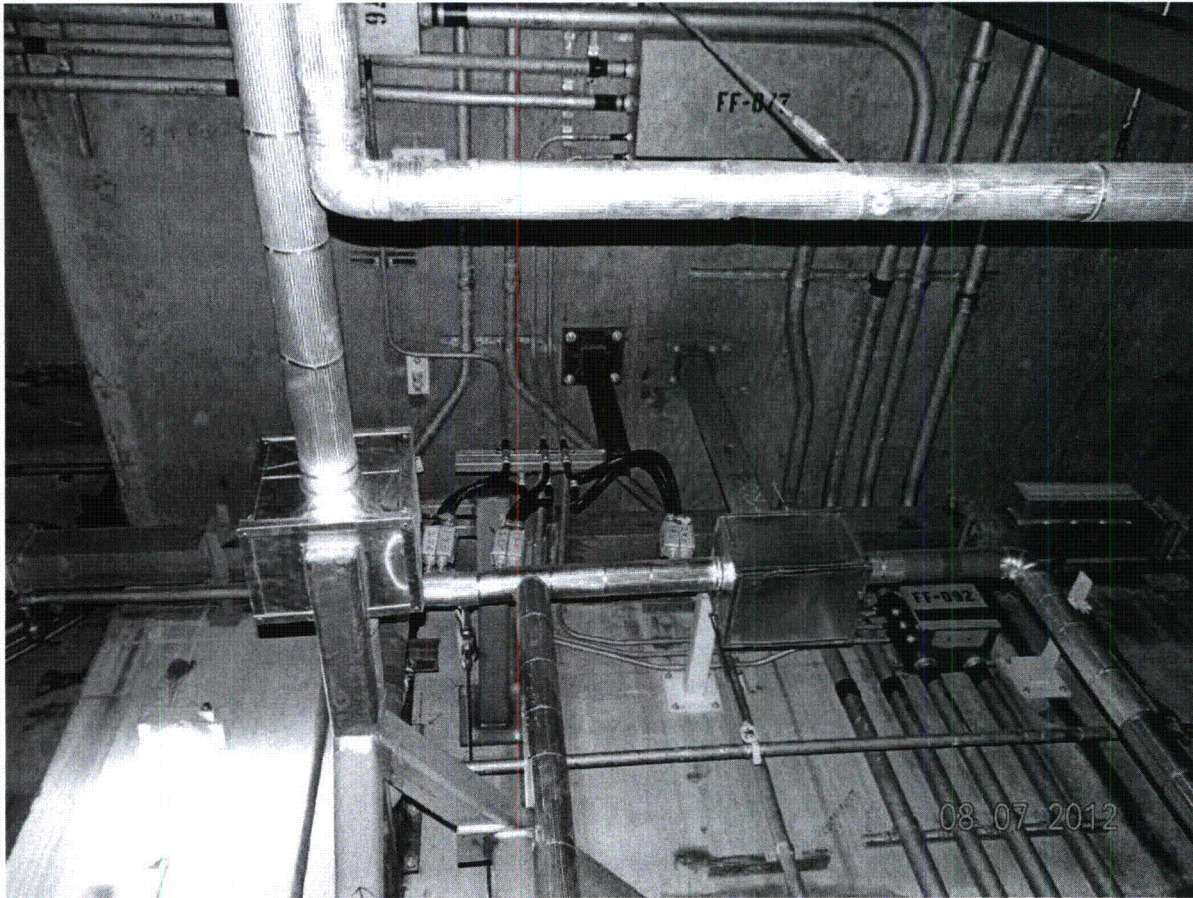
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2:  Date: 08/31/12

Area Walk-By Pictures

RB4-1

Location: Bldg. RB Floor El. 659'-6" Room, Area A-33



(DSC00247)

Area Walk-By Pictures

RB4-1

Location: Bldg. RB Floor El. 659'-6" Room, Area A-33



(DSC00241)

Area Walk-By Pictures

RB4-1

Location: Bldg. RB Floor El. 659'-6" Room, Area A-33

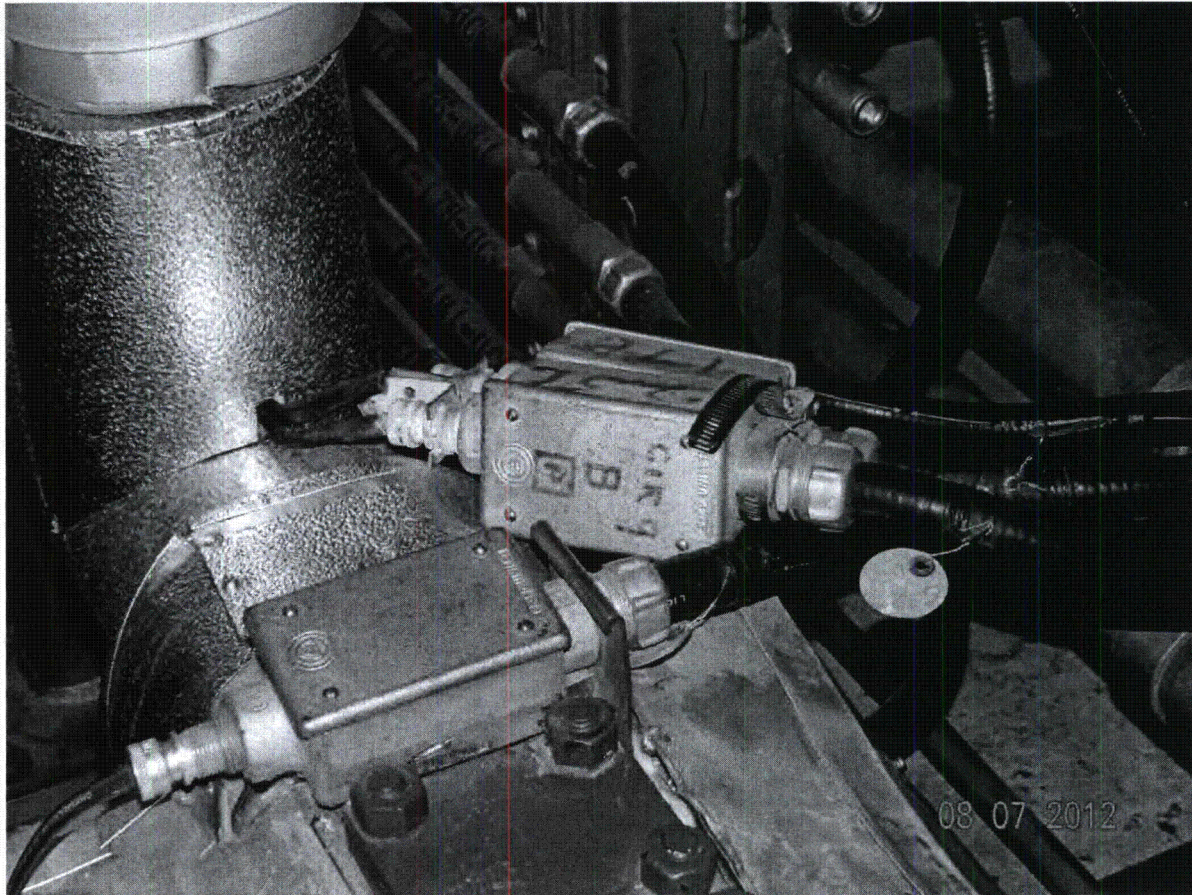


(DSC00242)

Area Walk-By Pictures

RB4-1

Location: Bldg. RB Floor El. 659'-6" Room, Area A-33

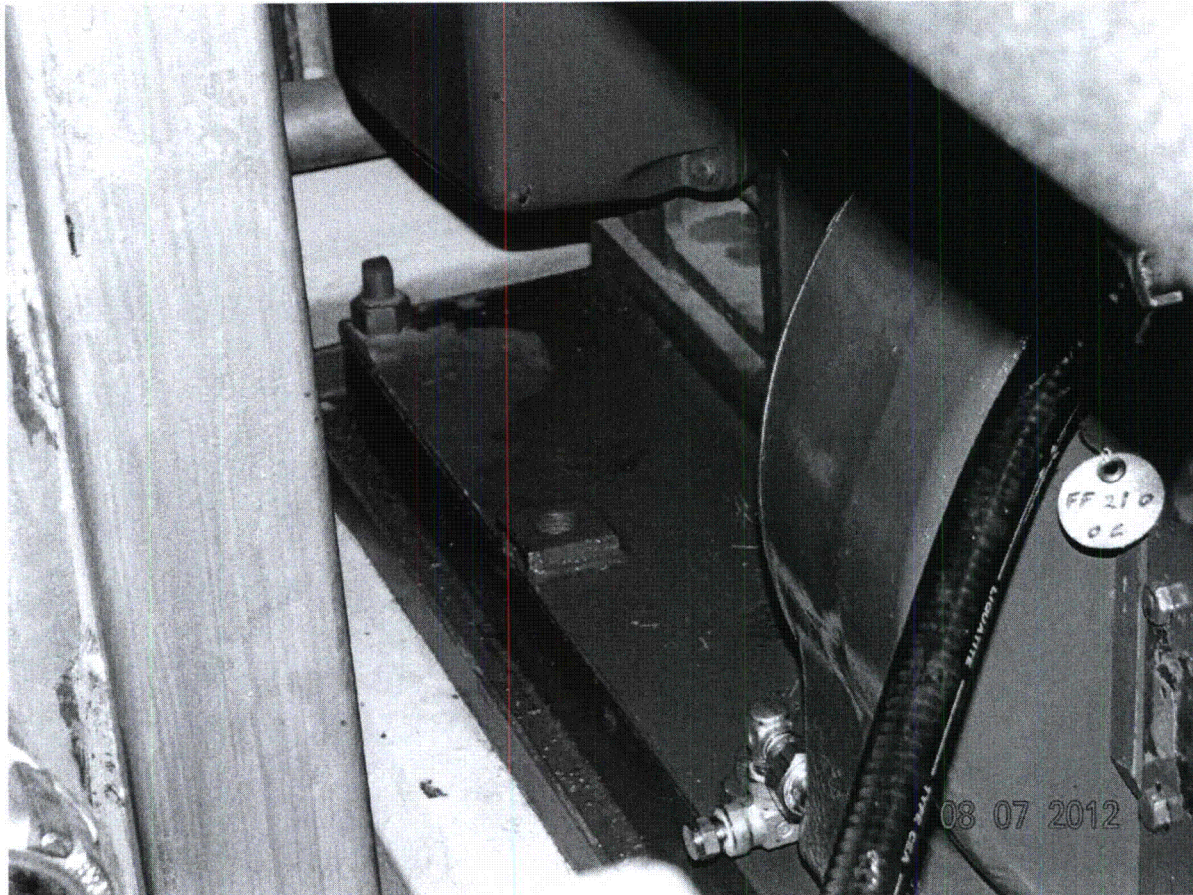


(DSC00238)

Area Walk-By Pictures

RB4-1

Location: Bldg. RB Floor El. 659'-6" Room, Area A-33



(DSC00234)

Area Walk-By Checklist (AWC)

Assets: *G4100F045A*

Location: Bldg. *RB* Floor El. *682'-6"* Room, Area¹ *A-43, Col. E-17*

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.

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

Anchorage on a nearby floor-mounted crane and other local supports are free from adverse conditions. (See Pictures 1 & 2)

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

Anchorage in the area is free from degraded conditions. (See Pictures 1 & 2)

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

Since conduit raceways and HVAC ducts are mounted on walls far from safety related equipment, they are not a realistic hazard.

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

There are no ceiling tiles and lighting is not located over safety related equipment.

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Area Walk-By Checklist (AWC)

Assets: G4100F045A

Location: Bldg. RB Floor El. 682'-6" Room, Area¹ A-43, Col. E-17

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

*There are no observed interactions that can lead to flooding or spray.
In addition, the pool is equipped with scuppers for overflow protection.*

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

There are no observed seismically induced fire interactions.

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

No adverse housekeeping practices were identified.

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

No other adverse conditions were identified.

Comments (Additional pages may be added as necessary)

None.

Fermi 2 Seismic Walkdown Guideline
Area Walk-By-Checklist

NJPR-12-0043

Sheet 3 of 3
Status: Y N U

RB5-1

Area Walk-By Checklist (AWC)

Assets: *G4100F045A*

Location: Bldg. RB Floor El. 682'-6" Room, Area¹ A-43, Col. E-17

Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #1 : Michael P. Sasso *Michael P. Sasso* Date: 08/22/12

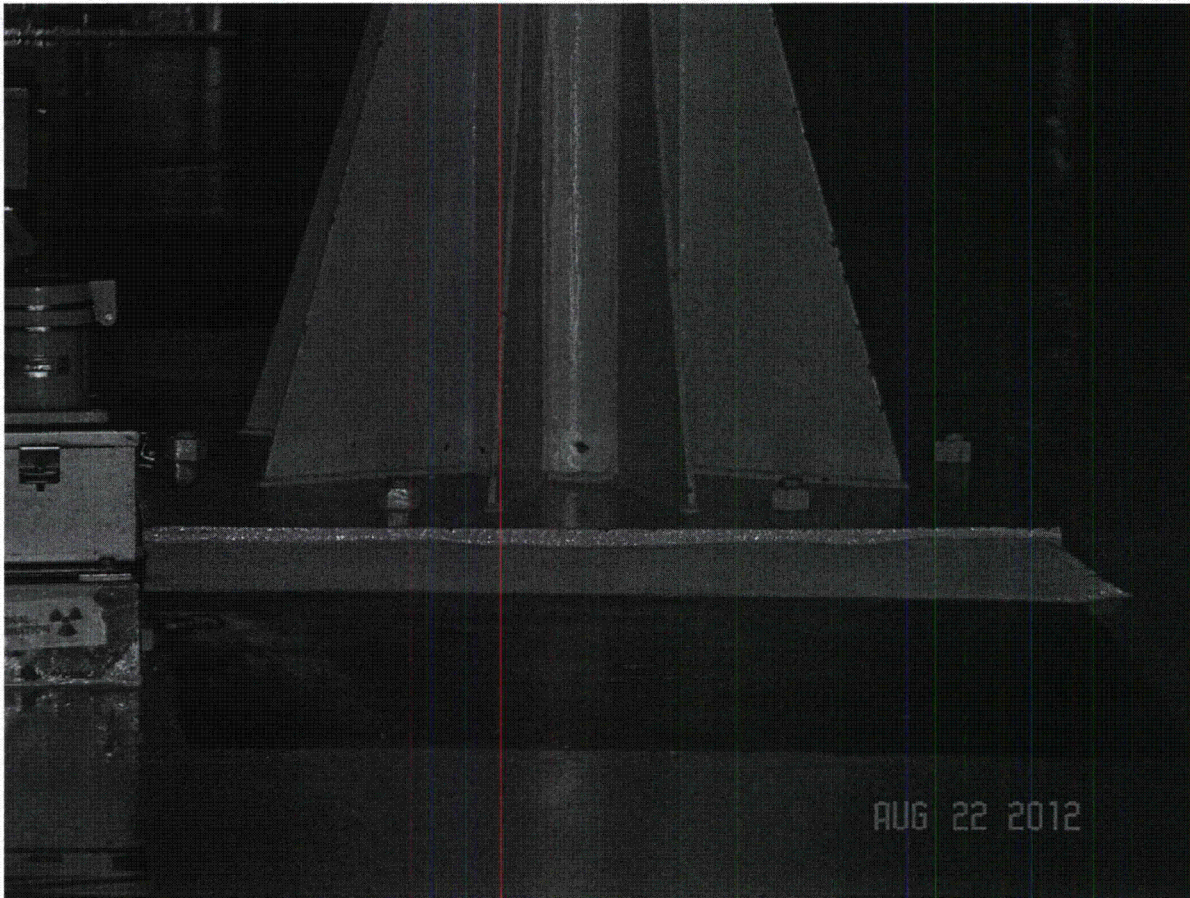
Seismic Engineer Walkdown PSE-53 Qualified

Evaluator #2 : Marc Meyer *Marc Meyer* Date: 08/22/12

Area Walk-By Pictures

RB5-1

Location: Bldg. RB Floor El. 682'-6" Room, Area A-43 / Col. E-17



(Picture 1)

Area Walk-By Pictures

RB5-1

Location: Bldg. RB Floor El. 682'-6" Room, Area A-43 / Col. E-17



(Picture 2)