

T1-CL-I-03

SYSTEM REVIEW
CHECKLIST INSTRUCTIONS
CURRENT LICENSING BASIS -
FORM 3

	<u>Signature</u>	<u>Date</u>
Prepared:	<u>KM Mayer</u>	<u>6/30/97</u>
Reviewed:	<u>John [Signature]</u> SVSR Group Lead	<u>6/30/97</u>
Approved:	<u>George R. Buehler</u> Manager Company Quality	<u>6/30/97</u>
Approved:	<u>Eric Blocher</u> Deputy Project Director	<u>30 JUN 97</u>

--- Parsons Power Group Inc. ---

MILLSTONE UNIT 2
SVSR PROJECT INSTRUCTION PI - 01
SVSR IMPLEMENTATION CHECKLISTS AND WORKBOOK

- Does the Appendix R documentation demonstrate compliance to the separation criteria of 10CFR50 Appendix R, Section III.G.2 for the safe shutdown components and circuits?
- Are local manual operations or local administrative actions (if applicable) adequately defined?
- Is alternative or dedicated shutdown capability (e.g. remote shutdown for a main control room fire) provided in accordance with 10CFR50 Appendix R, Section III.L?
- For the fire areas requiring the use of the system for safe shutdown, does the Appendix R documentation demonstrate the availability of the necessary support systems; e.g. electrical power, control power, service water, HVAC?
- Have the equipment and circuits necessary for safe shutdown been identified?
- Has the impact of fire barriers/wrap on cable derating been addressed?
- For manual actions necessary for safe shutdown, has the required lighting and communication been provided?
- Have associated circuits been identified and their impact addressed?
- For the system under reviews, do the circuits and equipment required for safe shutdown have adequate separation or fire barriers in representative fire zones.

**MILLSTONE UNIT 2
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SYSTEM DESIGN INPUT AND
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DOCUMENT ID:	RC-SLB-	Page <u>1</u> of <u>xx</u>
SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART A SYSTEM DESIGN AND LICENSING BASIS CHECKLIST CLOSE-OUT

	REVISION 0 <small>Signature/Date</small>	REVISION 1 <small>Signature/Date</small>	REVISION 2 <small>Signature/Date</small>
1. ORIGINATOR			
2. REVIEWED	---	---	---
Mechanical Lead			
Electrical Lead			
Control Systems Lead			
Operations Lead			
Procedures Lead			
Testing Lead			
3. APPROVAL	---	---	---
System Lead Engineer			
SVSR Lead Engineer			

PART B.1 SYSTEM SUMMARY

- Instructions:**
- (1) The SLE will review the attached checklists and supplemental material and indicate whether the system adequately considered or incorporated the indicated requirements.
 - (2) The SLE will review the attached program/topical checklists and supplemental material and indicate whether the system adequately considered or incorporated the indicated requirements.
 - (3) For each DISCREPANCY found during the audit, the SLE is to indicate the requirement item number(s) under the appropriate Revision and assure all discrepancies are processed per PP-07.

	REVISION 0	REVISION 1	REVISION 2
1. Have System licensing requirements are adequately addressed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Have all program/topical area listed inadequately been addressed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Are component requirements satisfied?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. Summary of Discrepancy(ies) Items			
Signature SLE/Date			

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	SYSTEM:		
	Responsible Engineer: (System Team Lead)		

PART B.2 SYSTEM PROGRAM/TOPICAL SUMMARY

- Instructions: (1) The OE will summarize which of the program areas are included in the licensing basis of the system. This Part should not be completed until the detail reviews in Parts E through W have been completed.
- (2) The OE needs to assure that NNECo has considered the applicability of EACH program/topical area. When dispositioning the question below, the OE needs to review the licensing basis or program to the extent that NNECo considered it during in the system design.

NOTE: Because these are topical areas, NNECo licensing basis needs to consider each program/topical area for applicability. However, EACH area may not effect/impact the system and hence not be applicable to the licensing/design basis.

Form 3 Reference Section Part	PROGRAM/TOPICAL AREA	APPLICABLE TO THE SYSTEM CURRENT LICENSING BASIS
E	Anticipated Transients Without SCRAM (ATWS)	<input type="checkbox"/> Yes <input type="checkbox"/> No
F	Control Room Design Review	<input type="checkbox"/> Yes <input type="checkbox"/> No
G	Environmental Qualification of Electrical Equipment (EQ)	<input type="checkbox"/> Yes <input type="checkbox"/> No
H	Erosion/Corrosion	<input type="checkbox"/> Yes <input type="checkbox"/> No
I	External Events/Hazards	<input type="checkbox"/> Yes <input type="checkbox"/> No
J	Generic Letter 89-10 (MOV)	<input type="checkbox"/> Yes <input type="checkbox"/> No
K	Heavy Loads	<input type="checkbox"/> Yes <input type="checkbox"/> No
L	High and Moderate Energy Line Breaks (HELB/MELB)	<input type="checkbox"/> Yes <input type="checkbox"/> No
M	Inservice Inspection	<input type="checkbox"/> Yes <input type="checkbox"/> No
N	Inservice Testing/10 CFR50 Appendix J Testing	<input type="checkbox"/> Yes <input type="checkbox"/> No
O	IPEEE	<input type="checkbox"/> Yes <input type="checkbox"/> No
P	Master Equipment and Parts List (MEPL)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Q	Regulatory Guide 1.97 Compliance	<input type="checkbox"/> Yes <input type="checkbox"/> No
R	Separation/Independence/Diversity	<input type="checkbox"/> Yes <input type="checkbox"/> No
S	Set Point Control	<input type="checkbox"/> Yes <input type="checkbox"/> No
T	Single Failure	<input type="checkbox"/> Yes <input type="checkbox"/> No
U	Station Blackout	<input type="checkbox"/> Yes <input type="checkbox"/> No

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FORM: 3
Package Sequence No. 4
Revision 1
6/30/97

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		SYSTEM:		
		Responsible Engineer: (System Team Lead)		
V	10 CFR 50.101 Applicability			<input type="checkbox"/> Yes <input type="checkbox"/> No
W	USI A-46 Seasonal Qualification			<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>1. <input type="checkbox"/> Yes <input type="checkbox"/> No A review of the program/topical area indicates that the current system licensing/design basis has <u>considered</u> the applicability of <u>each</u> program/topical area. (If "Yes," sign and date below. If "No," verify that a discrepancy was processed as part of system program review. Indicate in step 2 the program, sign and date. REMEMBER, APPLICABILITY <u>is a requirement</u> but <u>CONSIDERATION is a process</u>).</p> <p>Originating Engineer/Date: _____</p>				
<p>2.a The following Program(s) Has Not Been Considered: [OE Delete this item is not applicable]</p> <p>a. PROGRAM: _____</p> <p><input type="checkbox"/> DISCREPANCY processed</p> <p>Originating Engineer/Date: _____</p>				

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SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART C SYSTEM LICENSING/DESIGN INPUT REQUIREMENT CHECKLIST

Instructions: For each requirement listed below:

- (1) GLE, SLE, OE and system team develops the specific requirements to be reviewed using the generic questions in the Instruction and Attachment A source book. Each requirement will be given a new item number and include steps A, B, C, and D.
- (2) Each requirement will be consecutively numbered starting with 1 (one).
- (3) The system Lead Engineer will assign the function group responsible for reviewing each requirement. Mechanical = M, Electrical = E, Controls = I&C, Testing = T, Procedures = P, Operations = O
- (4) The individual that reviews the requirement will sign and date, provide a disposition, indicated interfaces, and provide a response based upon the following:
 - a. **Yes** Requirement is satisfactorily addressed. Include reference source, revision, and date. No explanation/results is required.
 - b. **No** Requirement is not satisfactory addressed. Include reference source, revision and date, if applicable. If RAI was generated to clarify the requirement, the reference RAI number and subsequent NNECo response reference is to be provided. Provide an explanation of how you concluded the requirement was not satisfied. Include reference source, revision, and date., if applicable. Disposition as a DISCREPANCY. The responsible individual shall immediately advise the SLE of any requirement that is to be dispositioned as a DISCREPANCY. Initiation of Project Procedure PP-07 will be by the OE.
 - c. **NA** Requirement is not applicable. Explanation should be included only if it clarifies the disposition.
 - d. **INF** Requirement could not be verified because information could not be found. Include a statement under results that indicates the information could not be found and disposition as a DISCREPANCY. The responsible individual shall immediately advise the SLE of any requirement that is to be dispositioned as a DISCREPANCY. Initiation of Project Procedure PP-07 will be by the OE.

PartC Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING THE LICENSING/DESIGN BASIS
 DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

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	SYSTEM:		
	Responsible Engineer: (System Team Lead)		
D. <u>REVIEW SUMMARY/RESULT</u>			

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SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART D TOPICAL PROGRAM REQUIREMENTS CHECKLIST INSTRUCTIONS

Instructions: For each program/topical requirement listed in Part E through Part W below:

- (1) The OE/reviewer/specialist completes and Dispositions Part x.1. The reviewer/specialist responsible for the requirement reviews the Program/Topical area to the extent necessary to verify that the system was considered when the program was developed and indicates this verification in the appropriate area below.
- (2) If Part x.1 is disposition as Applicable, the GLE, SLE, and OE/specialist develops the specific requirements to be reviewed using the generic questions in the Instruction and Attachment A source book and enters the requirement to be reviewed in Part x.2. Each requirement will be given a new item number and include steps A, B, C, and D.
- (3) Each requirement will be consecutively numbered starting with 1 (one).
- (4) The system Lead Engineer will assign the function group responsible for reviewing each requirement. Mechanical = M, Electrical = E, Controls = I&C, Testing = T, Procedures = P, Operations = O
- (5) The OE/Specialist reviews the requirement will sign and date, provide a disposition, indicated interfaces, and provide a response based upon the following:
 - a. **Yes** Requirement is satisfactorily addressed. Include reference source, revision, and date. No explanation/results is required.
 - b. **No** Requirement is not satisfactory addressed. Include reference source, revision and date, if applicable. If RAI was generated to clarify the requirement, the reference RAI number and subsequent NNECo response reference is to be provided. Provide an explanation of how you concluded the requirement was not satisfied. Include reference source, revision, and date, if applicable. Disposition as a **DISCREPANCY**. The responsible individual shall immediately advise the SLE of any requirement that is to be dispositioned as a **DISCREPANCY**. Initiation of Project Procedure PP-07 will be by the OE.
 - c. **NA** Requirement is not applicable. Explanation should be included only if it clarifies the disposition.
 - d. **INF** Requirement could not be verified because information could not be found. Include a statement under results that indicates the information could not be found and disposition as a **DISCREPANCY**. The responsible individual shall immediately advise the SLE of any requirement that is to be dispositioned as a **DISCREPANCY**. Initiation of Project Procedure PP-07 will be by the OE.

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SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

**PART E ANTICIPATED TRANSIENT WITHOUT SCRAM (ATWS)
CONSIDERATION/SCREENING**

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Does the system include the applicable provisions for the licensing basis requirements for Anticipated Transients Without SCRAM (ATWS)?

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part E.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

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SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART E.1 ANTICIPATED TRANSIENT WITHOUT SCRAM (ATWS) CHECKLIST

Part E.1 Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING THE LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

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SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART F CONTROL ROOM DESIGN REVIEW CONSIDERATION/SCREENING

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Does the system have any controls, labeling or operating procedures effected by the Control Room Design Review or Human Factors Review??

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part F.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

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SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART F.1 CONTROL ROOM DESIGN REVIEW CHECKLIST

Part F.1 Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING THE LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

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SYSTEM:		
Responsible Engineer: (System Team Lead)		

**PART G ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT (EQ)
CONSIDERATION/SCREENING**

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Does the system contain "Active" components that must be operable during an accident, under post accident environmental conditions or during/after a seismic event?

If "Yes", Disposition as PROGRAM IS APPLICABLE and complete Part G.1 checklist. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

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SYSTEM:		
Responsible Engineer: (System Team Lead)		

**PART G.1 ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT (EQ)
CHECKLIST**

PartG.1 Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING THE LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

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SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART H EROSION/CORROSION CONSIDERATION/SCREENING

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Has the system been evaluated in accordance with the erosion/corrosion program for the unit?

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part H.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

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SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART H.1 EROSION/CORROSION CHECKLIST

Part/H.1 Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

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	SYSTEM:		
	Responsible Engineer: (System Team Lead)		

PART I EXTERNAL EVENTS/HAZARDS CONSIDERATION/SCREENING

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Is the system located within building structures or include other features required to protect the system from external missiles, tornadoes, flooding or other external events included in the licensing basis?

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part L1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

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SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART L1 EXTERNAL EVENTS/HAZARDS CHECKLIST

Part L1 Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

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	SYSTEM:		
	Responsible Engineer: (System Team Lead)		

PART J GENERIC LETTER 89-10 (MOV) CONSIDERATION/SCREENING

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Have the motor operated valves in the system been evaluated under the unit's program for MOV's? (89-10)?

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part J.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

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Responsible Engineer: (System Team Lead)		

PART J.1 GENERIC LETTER 89-10 (MOV) CHECKLIST

Part J.1 Item	Review Group	Status	Requirement Reviewer's Signature	Date
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF		

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

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SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART K HEAVY LOADS CONSIDERATION/SCREENING

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No". Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Have any cranes located over the system been evaluated under the Unit's heavy loads program?

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part K.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____
 Originating Engineer/Date: _____

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
LICENSING BASIS
CHECKLIST**

DOCUMENT ID:	RC-SLB-	Page 20 of xx
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SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART K.1 HEAVY LOADS CHECKLIST

PartK.1 Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
LICENSING BASIS
CHECKLIST**

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SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

**PART L HIGH AND MODERATE ENERGY LINE BREAKS (HELB/MELB)
CONSIDERATION/SCREENING**

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Has the effect of pipe rupture and/or breaks in the system been evaluated for the impact on safe shutdown components/systems in accordance with the licensing basis?

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part L.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
LICENSING BASIS
CHECKLIST**

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SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART L.1 HIGH AND MODERATE ENERGY LINE BREAKS (HELB/MELB) CHECKLIST

Part L.1 Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
LICENSING BASIS
CHECKLIST**

DOCUMENT ID:	RC-SLB-	Page <u>23</u> of <u>xx</u>
SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART M INSERVICE INSPECTION CONSIDERATION/SCREENING

A. SYSTEM DESIGN BASIS SCREENING

- 1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
- 2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
- 3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

- 4. Yes No Are the piping and components of the system included in the unit's inservice inspection program where appropriate?

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part M.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
LICENSING BASIS
CHECKLIST**

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SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART M.1 INSERVICE INSPECTION CHECKLIST

Part M.1 Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

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	SYSTEM CODE:		
	SYSTEM:		
	Responsible Engineer: (System Team Lead)		

**PART N INSERVICE TESTING/10 CFR50 APPENDIX J TESTING
CONSIDERATION/SCREENING**

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Are the components in the system covered by the unit's inservice testing program where appropriate? (ASME Section XI or Appendix J)

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part N.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
LICENSING BASIS
CHECKLIST**

DOCUMENT ID:	RC-SLB-	Page 26 of xx
SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART N.1 INSERVICE TESTING/10 CFR50 APPENDIX J TESTING CHECKLIST

Part N.1 Item	Review Group	Status	Requirement Reviewer's Signature	Date
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF		

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
LICENSING BASIS
CHECKLIST**

DOCUMENT ID:	RC-SLB-	Page <u>27</u> of <u>xx</u>
SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART O IPEEE CONSIDERATION/SCREENING

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Has the protection of the system been considered the unit's Individual Plant Examination for External Events? (IPEEE)

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part O.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
LICENSING BASIS
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SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART O.1 IPEEE CHECKLIST

Part O.1 Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
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CHECKLIST**

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SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

**PART P MASTER EQUIPMENT AND PARTS LIST (MEPL)
CONSIDERATION/SCREENING**

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Are the system components correctly entered into the Master Equipment and Parts List?

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part P.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
LICENSING BASIS
CHECKLIST**

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SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART P.1 MASTER EQUIPMENT AND PARTS LIST (MEPL) CHECKLIST

Part P.1 Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

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	SYSTEM CODE:		
	SYSTEM:		
	Responsible Engineer: (System Topical Area)		

PART Q REGULATORY GUIDE 1.97 COMPLIANCE CONSIDERATION/SCREENING

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Does the system contain the required instrumentation and indication for licensing basis compliance with Regulatory Guide 1.97?

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part Q.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
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SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART Q.1 REGULATORY GUIDE 1.97 COMPLIANCE CHECKLIST

Part Q.1 Item	Review Group	Status	Requirement	Reviewer's Signature	Date
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF			

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
LICENSING BASIS
CHECKLIST**

DOCUMENT ID:	RC-SLB-	Page <u>33</u> of <u>xx</u>
SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART R SEPARATION/INDEPENDENCE/DIVERSITY CONSIDERATION/SCREENING

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area in the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Does the system comply with the licensing basis for separation/independence/ or diversity?

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part R.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
LICENSING BASIS
CHECKLIST**

DOCUMENT ID:	RC-SLB-	Page <u>34</u> of <u>xx</u>
SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART R.1 SEPARATION/INDEPENDENCE/DIVERSITY CHECKLIST

Part R.1 Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
LICENSING BASIS
CHECKLIST**

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SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART S SET POINT CONTROL CONSIDERATION/SCREENING

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Does the system have instruments that require evaluation for the use of correct procedures and controls to establish setpoints?

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part S.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
LICENSING BASIS
CHECKLIST**

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SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART S.1 SET POINT CONTROL CHECKLIST

PartS.1 Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

MILLSTONE UNIT 2 ICAVP SVSR SYSTEM DESIGN INPUT AND LICENSING BASIS CHECKLIST	DOCUMENT ID:	RC-SLB-	Page <u>37</u> of <u>xx</u>
	SYSTEM CODE:		
	SYSTEM:		
	Responsible Engineer: (System Team Lead)		

PART T SINGLE FAILURE CONSIDERATION/SCREENING

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Does the system design consider single failure vulnerabilities and include provision for assuring operability of the safely function with a single failure?

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part T.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
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CHECKLIST**

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SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART T.1 SINGLE FAILURE CHECKLIST

Part T.1 Item	Review Group	Status	Requirement Reviewer's Signature	Date
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF		

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

MILLSTONE UNIT 2 ICAVP SVSR SYSTEM DESIGN INPUT AND LICENSING BASIS CHECKLIST	DOCUMENT ID:	RC-SLB-	Page <u>39</u> of <u>xx</u>
	SYSTEM CODE:		
	SYSTEM:		
	Responsible Engineer: (System Team Lead)		

PART U STATION BLACKOUT CONSIDERATION/SCREENING

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Is the system or any components of the system used for Station Blackout coping?

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part U.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____
 Originating Engineer/Date: _____

MILLSTONE UNIT 2 ICAVP SVSR SYSTEM DESIGN INPUT AND LICENSING BASIS CHECKLIST	DOCUMENT ID:	RC-SLB-	Page <u>40</u> of <u>xx</u>
	SYSTEM CODE:		
	SYSTEM:		
	Responsible Engineer: (System Team Lead)		

PART U.1 STATION BLACKOUT CHECKLIST

PartU.1 Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

**MILLSTONE UNIT 2
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SYSTEM DESIGN INPUT AND
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CHECKLIST**

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SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART V 10 CFR50 APPENDIX R CONSIDERATION/SCREENING

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Is the system or any of the system components required for Appendix R safe shut

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part V.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____
 Originating Engineer/Date: _____

**MILLSTONE UNIT 2
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SYSTEM DESIGN INPUT AND
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SYSTEM CODE:		
SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART V.1 10 CFR50 APPENDIX R CHECKLIST

PartV.1 Item	Review Group	Status	Requirement Reviewer's Signature	
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF	Date	

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

MILLSTONE UNIT 2 ICAVP SVSR SYSTEM DESIGN INPUT AND LICENSING BASIS CHECKLIST	DOCUMENT ID:	RC-SLB-	Page <u>43</u> of <u>xx</u>
	SYSTEM CODE:		
	SYSTEM:		
	Responsible Engineer: (System Team Lead)		

PART W USI A-46 SEISMIC QUALIFICATION CONSIDERATION/SCREENING

A. SYSTEM DESIGN BASIS SCREENING

1. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area during the initiation of the program?
2. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area within the FSAR?
3. Yes No Has NNECo considered or addressed the potential impact on this system for the program/topical area being reviewed within current (1) system design criteria, (2) modification process or (3) design input?

If the response to questions 1, 2, and 3 is "No", Disposition as DISCREPANCY and advise the SLE. The OE will process the discrepancy in accordance with PP-07. If response to questions 1, 2, or 3 is "Yes," continue with next question.

4. Yes No Does the system and/or the components require seismic qualification/operability capability to perform a safe shutdown function?

If Yes, Disposition as PROGRAM IS APPLICABLE. Complete Part W.1 checklists. If "No," disposition as PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM.

B. PROGRAM/TOPICAL AREA IS (Check only one):

- DISCREPANCY (Process per PP-07)
- PROGRAM WAS CONSIDERED BUT IS NOT APPLICABLE TO SYSTEM
- PROGRAM IS APPLICABLE

Program/Topical Specialist/Date: _____

Originating Engineer/Date: _____

**MILLSTONE UNIT 2
ICAVP SVSR
SYSTEM DESIGN INPUT AND
LICENSING BASIS
CHECKLIST**

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SYSTEM:		
Responsible Engineer: (System Team Lead)		

PART W.1 USI A-46 SEISMIC QUALIFICATION CHECKLIST

PartW.1 Item	Review Group	Status	Requirement Reviewer's Signature	Date
1.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> INF		

A. REQUIREMENT

B. REQUIREMENT IS CONSIDERED AS:

- SATISFYING INTENT OF LICENSING/DESIGN BASIS
- DISCREPANCY (Process per PP-07)

C. REFERENCE(S) & SOURCE/ REVISION/ DATE:

D. REVIEW SUMMARY/RESULT

MILLSTONE UNIT 2 ICAVP SVSR SYSTEM DESIGN INPUT AND LICENSING BASIS CHECKLIST	DOCUMENT ID:	RC-SLB-	Page <u>45</u> of <u>xx</u>
	SYSTEM CODE:		
	SYSTEM:		
	Responsible Engineer: (System Team Lead)		

PART X SYSTEM COMPONENT DATA REQUIREMENTS

TO BE PROVIDED
LATER