

EMERGENCY PLAN CHANGE SCREENING AND EFFECTIVENESS EVALUATIONS 10 CFR 50.54(Q)	AD-EP-ALL-0602
	Rev. 6

ATTACHMENT 4

Page 1 of 8

<< 10 CFR 50.54(q) Screening Evaluation Form >>

Screening and Evaluation Number		Applicable Sites	
EREG #: <u>02304322</u>		BNP	<input type="checkbox"/>
		CNS	<input type="checkbox"/>
		CR3	<input type="checkbox"/>
		HNP	<input type="checkbox"/>
5AD #: <u>02304264</u>		MNS	<input checked="" type="checkbox"/>
		ONS	<input type="checkbox"/>
		RNP	<input type="checkbox"/>
		GO	<input type="checkbox"/>
Document and Revision	CSD-EP-MNS-0101-01 (EAL TECHNICAL BASIS DOCUMENT) Revision 0		

Part I. Description of Activity Being Reviewed (event or action, or series of actions that may result in a change to the emergency plan or affect the implementation of the emergency plan):

Revisions from McGuire Emergency Plan Section D (EMERGENCY ACTION LEVEL TECHNICAL BASES)
Revision 19-2 with implementation of CSD-EP-MNS-0101-01 (EAL TECHNICAL BASIS DOCUMENT) Revision 0
are:

Change #	Section	Current	Proposed
1	Name Change, Cover Page Update and Format Changes	Emergency Plan Section D EMERGENCY ACTION LEVEL TECHNICAL BASES	CONTROLLED SUPPORTING DOCUMENT CSD-EP-MNS-0101-01 EAL TECHNICAL BASIS DOCUMENT Revision 0 Effective Date:
2	Header	NA	Updated to CSD Header Format
3	Footer	Page Numbers	NA – In Header now
4	Throughout CSD except for Technical Specification references	'Bases'	'Basis'
5	1.0 PURPOSE, Third sentence, Page 3	Decision-makers responsible for implementation of RP/0/A/5700/000 Classification of Emergency, may use this document as a technical reference in support of EAL interpretation.	Decision-makers responsible for implementation of AD-EP-ALL-0101 EMERGENCY CLASSIFICATION, may use this document as a technical reference in support of EAL interpretation.
6	EAL Groups, Categories and	The user of the EAL Classification Matrix may (but is not required to)	The user of the EAL Classification Matrix may (but is not required to)

EMERGENCY PLAN CHANGE SCREENING AND EFFECTIVENESS EVALUATIONS 10 CFR 50.54(Q)	AD-EP-ALL-0602
	Rev. 6

ATTACHMENT 4

Page 2 of 8

<< 10 CFR 50.54(q) Screening Evaluation Form >>

	Subcategories; Second Sentence below matrix, Page 6	consult the EAL Technical Bases Document in order to obtain additional information concerning the EALs under classification consideration.	consult the CSD-EP-MNS-0101-01 - EAL TECHNICAL BASIS DOCUMENT in order to obtain additional information concerning the EALs under classification consideration.
7	4.2.1, Page14	RP/0/A/5700/000 Classification of Emergency	AD-EP-ALL-0101 EMERGENCY CLASSIFICATION
8	Attachment 1, page 71, Category C – Cold Shutdown / Refueling System Malfunction, Fourth Paragraph	The events of this category pertain to the following subcategories: 1.	The events of this category pertain to the following subcategories:
9	Attachment 1, page 106, EAL SA9.1 Basis	NA	<p>An event affecting equipment common to two or more safety systems or safety system trains (i.e., there are indications of degraded performance and/or VISIBLE DAMAGE affecting the common equipment) should be classified as an Alert under CA6.1 as appropriate to the plant mode. By affecting the operability or reliability of multiple system trains, the loss of the common equipment effectively meets the two-train impact criteria that underlie the EALs and Basis.</p> <p>An event affecting a single-train safety system (i.e., there are indications of degraded performance and/or VISIBLE DAMAGE affecting the one train) would not be classified under CA6.1 because the two-train impact criteria that underlie the EALs and Basis would not be met. If an event affects a single-train safety system, then the emergency classification should be made based on plant parameters/symptoms meeting the EALs for another IC. Depending upon the circumstances, classification may also occur based on Shift Manager/Emergency Coordinator judgement.</p> <p>An event that affects two trains of a safety system (e.g., one train has indications of degraded performance and the other VISIBLE DAMAGE) that</p>

EMERGENCY PLAN CHANGE SCREENING AND EFFECTIVENESS EVALUATIONS 10 CFR 50.54(Q)	AD-EP-ALL-0602
	Rev. 6

ATTACHMENT 4

Page 3 of 8

<< 10 CFR 50.54(q) Screening Evaluation Form >>

			also has one or more additional trains should be classified as an Alert under CA6.1, as appropriate to the plant mode. This approach maintains consistency with the two-train impact criteria that underlie the EALs and Basis, and is warranted because the event was severe enough to affect the operability or reliability of two trains of a safety system despite plant design criteria associated with system and system train separation and protection. Such an event may have caused other plant impacts that are not immediately apparent.
10	Attachment 1, page 146, EAL HA7.1	Other conditions exist which, in the judgment of the Emergency Coordinator, indicate that events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant or a security event that involves probable life threatening risk to site personnel or damage to site equipment because of HOSTILE ACTION. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.	Other conditions exist which in the judgment of the Emergency Coordinator indicate that events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant or a security event that involves probable life threatening risk to site personnel or damage to site equipment because of HOSTILE ACTION. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.
11	Attachment 1, page 193, EAL CA6.1 Basis	NA	<p>An event affecting equipment common to two or more safety systems or safety system trains (i.e., there are indications of degraded performance and/or VISIBLE DAMAGE affecting the common equipment) should be classified as an Alert under CA6.1 as appropriate to the plant mode. By affecting the operability or reliability of multiple system trains, the loss of the common equipment effectively meets the two-train impact criteria that underlie the EALs and Basis.</p> <p>An event affecting a single-train safety system (i.e., there are indications of degraded performance and/or VISIBLE DAMAGE affecting the one train) would not be classified under CA6.1 because the two-train impact criteria that underlie the EALs</p>

EMERGENCY PLAN CHANGE SCREENING AND EFFECTIVENESS EVALUATIONS 10 CFR 50.54(Q)	AD-EP-ALL-0602
	Rev. 6

ATTACHMENT 4

Page 4 of 8

<< 10 CFR 50.54(q) Screening Evaluation Form >>

			<p>and Basis would not be met. If an event affects a single-train safety system, then the emergency classification should be made based on plant parameters/symptoms meeting the EALs for another IC. Depending upon the circumstances, classification may also occur based on Shift Manager/Emergency Coordinator judgement.</p> <p>An event that affects two trains of a safety system (e.g., one train has indications of degraded performance and the other VISIBLE DAMAGE) that also has one or more additional trains should be classified as an Alert under CA6.1, as appropriate to the plant mode. This approach maintains consistency with the two-train impact criteria that underlie the EALs and Basis, and is warranted because the event was severe enough to affect the operability or reliability of two trains of a safety system despite plant design criteria associated with system and system train separation and protection. Such an event may have caused other plant impacts that are not immediately apparent.</p>
12	Attachment 1, page 196, EAL EU1.1, Table E-1, NAC Magnastor, First Bullet	<ul style="list-style-type: none"> 190 mrem/hr (gamma) on the side of the cask (excludes air inlet/outlet ports) 	<ul style="list-style-type: none"> 240 mrem/hr (gamma) on the side of the cask (excludes air inlet/outlet ports)
13	Attachment 2, page 222, Fission Product Barrier Loss/Potential Loss Matrix and Basis	NA	<p>If EOPs direct operators to open the Pressurizer pressure relief valves to implement a core cooling strategy (i.e., a "feed and bleed" cooldown), then there will exist a reactor coolant flow path from the RCS, past the "pressurizer safety and relief valves" and into the containment that operators cannot isolate without compromising the effectiveness of the strategy (i.e., for the strategy to be effective, the valves must be kept in the open position); therefore, the flow through the pressure relief line is UNISOLABLE. In this case, the ability</p>

EMERGENCY PLAN CHANGE SCREENING AND EFFECTIVENESS EVALUATIONS 10 CFR 50.54(Q)	AD-EP-ALL-0602
	Rev. 6

ATTACHMENT 4

Page 5 of 8

<< 10 CFR 50.54(q) Screening Evaluation Form >>

			of the RCS pressure boundary to serve as an effective barrier to a release of fission products has been eliminated and thus this condition constitutes a loss of the RCS barrier.
Part II. Activity Previously Reviewed?			
Is this activity Fully bounded by an NRC approved 10 CFR 50.90 submittal or Alert and Notification System Design Report?		Yes	<input type="checkbox"/>
If yes, identify bounding source document number or approval reference and ensure the basis for concluding the source document fully bounds the proposed change is documented below:		10 CFR 50.54(q) Effectiveness Evaluation is not required. Enter justification below and complete Attachment 4, Part V.	No
Justification:			<input type="checkbox"/>
Bounding document attached (optional)			<input type="checkbox"/>
Part III. Editorial Change		Yes	<input type="checkbox"/>
Is this activity an editorial or typographical change only, such as formatting, paragraph numbering, spelling, or punctuation that does not change intent?		10 CFR 50.54(q) Effectiveness Evaluation is not required. Enter justification and complete Attachment 4, Part V.	No or Partially
Justification:			<input type="checkbox"/>
Changes 1 through 8 and 10 are editorial in accordance with AD-EP-ALL-0602 and, therefore, require no evaluation.			
Part IV. Emergency Planning Element and Function Screen (Reference Attachment 1, Considerations for Addressing Screening Criteria)			
Does this activity involve any of the following, including program elements from NUREG-0654/FEMA REP-1 Section II? If answer is yes, then check box.			
1	10 CFR 50.47(b)(1) Assignment of Responsibility (Organization Control)		
1a	Responsibility for emergency response is assigned.		<input type="checkbox"/>
1b	The response organization has the staff to respond and to augment staff on a continuing basis (24-7 staffing) in accordance with the emergency plan.		<input type="checkbox"/>
2	10 CFR 50.47(b)(2) Onsite Emergency Organization		
2a	Process ensures that onshift emergency response responsibilities are staffed and assigned		<input type="checkbox"/>
2b	The process for timely augmentation of onshift staff is established and maintained.		<input type="checkbox"/>
3	10 CFR 50.47(b)(3) Emergency Response Support and Resources		

EMERGENCY PLAN CHANGE SCREENING AND EFFECTIVENESS EVALUATIONS 10 CFR 50.54(Q)	AD-EP-ALL-0602
	Rev. 6

ATTACHMENT 4

Page 6 of 8

<< 10 CFR 50.54(q) Screening Evaluation Form >>

3a	Arrangements for requesting and using off site assistance have been made.	<input type="checkbox"/>
3b	State and local staff can be accommodated at the EOF in accordance with the emergency plan. (NA for CR3)	<input type="checkbox"/>
4	10 CFR 50.47(b)(4) Emergency Classification System	
4a	A standard scheme of emergency classification and action levels is in use. (Requires final approval of Screen and Evaluation by EP CFAM.)	<input checked="" type="checkbox"/>
5	10 CFR 50.47(b)(5) Notification Methods and Procedures	
5a	Procedures for notification of State and local governmental agencies are capable of alerting them of the declared emergency within 15 minutes (60 minutes for CR3) after declaration of an emergency and providing follow-up notification.	<input type="checkbox"/>
5b	Administrative and physical means have been established for alerting and providing prompt instructions to the public within the plume exposure pathway. (NA for CR3)	<input type="checkbox"/>
5c	The public ANS meets the design requirements of FEMA-REP-10, Guide for Evaluation of Alert and Notification Systems for Nuclear Power Plants, or complies with the licensee's FEMA-approved ANS design report and supporting FEMA approval letter. (NA for CR3)	<input type="checkbox"/>

EMERGENCY PLAN CHANGE SCREENING AND EFFECTIVENESS EVALUATIONS 10 CFR 50.54(Q)	AD-EP-ALL-0602
	Rev. 6

ATTACHMENT 4

Page 7 of 8

<< 10 CFR 50.54(q) Screening Evaluation Form >>

Part IV. Emergency Planning Element and Function Screen (cont.)		
6	10 CFR 50.47(b)(6) Emergency Communications	
6a	Systems are established for prompt communication among principal emergency response organizations.	<input type="checkbox"/>
6b	Systems are established for prompt communication to emergency response personnel.	<input type="checkbox"/>
7	10 CFR 50.47(b)(7) Public Education and Information	
7a	Emergency preparedness information is made available to the public on a periodic basis within the plume exposure pathway emergency planning zone (EPZ). (NA for CR3)	<input type="checkbox"/>
7b	Coordinated dissemination of public information during emergencies is established.	<input type="checkbox"/>
8	10 CFR 50.47(b)(8) Emergency Facilities and Equipment	
8a	Adequate facilities are maintained to support emergency response.	<input type="checkbox"/>
8b	Adequate equipment is maintained to support emergency response.	<input type="checkbox"/>
9	10 CFR 50.47(b)(9) Accident Assessment	
9a	Methods, systems, and equipment for assessment of radioactive releases are in use.	<input type="checkbox"/>
10	10 CFR 50.47(b)(10) Protective Response	
10a	A range of public PARs is available for implementation during emergencies. (NA for CR3)	<input type="checkbox"/>
10b	Evacuation time estimates for the population located in the plume exposure pathway EPZ are available to support the formulation of PARs and have been provided to State and local governmental authorities. (NA for CR3)	<input type="checkbox"/>
10c	A range of protective actions is available for plant emergency workers during emergencies, including those for hostile action events.	<input type="checkbox"/>
10d	KI is available for implementation as a protective action recommendation in those jurisdictions that chose to provide KI to the public.	<input type="checkbox"/>
11	10 CFR 50.47(b)(11) Radiological Exposure Control	
11a	The resources for controlling radiological exposures for emergency workers are established.	<input type="checkbox"/>
12	10 CFR 50.47(b)(12) Medical and Public Health Support	
12a	Arrangements are made for medical services for contaminated, injured individuals.	<input type="checkbox"/>
13	10 CFR 50.47(b)(13) Recovery Planning and Post-accident Operations	
13a	Plans for recovery and reentry are developed.	<input type="checkbox"/>
14	10 CFR 50.47(b)(14) Drills and Exercises	
14a	A drill and exercise program (including radiological, medical, health physics and other program areas) is established.	<input type="checkbox"/>
14b	Drills, exercises, and training evolutions that provide performance opportunities to develop, maintain, and demonstrate key skills are assessed via a formal critique process in order to identify weaknesses.	<input type="checkbox"/>
14c	Identified weaknesses are corrected.	<input type="checkbox"/>
15	10 CFR 50.47(b)(15) Emergency Response Training	
15a	Training is provided to emergency responders.	<input type="checkbox"/>

EMERGENCY PLAN CHANGE SCREENING AND EFFECTIVENESS EVALUATIONS 10 CFR 50.54(Q)	AD-EP-ALL-0602
	Rev. 6

ATTACHMENT 4

Page 8 of 8

<< 10 CFR 50.54(q) Screening Evaluation Form >>

Part IV. Emergency Planning Element and Function Screen (cont.)		
16	10 CFR 50.47(b)(16) Emergency Plan Maintenance	
16a	Responsibility for emergency plan development and review is established.	<input type="checkbox"/>
16b	Planners responsible for emergency plan development and maintenance are properly trained.	<input type="checkbox"/>
PART IV. Conclusion		
If no Part IV criteria are checked, then provide Justification and complete Part V below. Justification: Changes 9, 11, 12, and 13 require evaluation.		<input type="checkbox"/>
If any Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part IV criteria are checked, then complete Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part V and perform a 10 CFR 50.54(q) Effectiveness Evaluation. Program Element 4a requires final approval of Screen and Evaluation by EP CFAM.		<input checked="" type="checkbox"/>
Part V. Signatures:		
EP CFAM Final Approval is required for changes affecting Program Element 4a. If CFAM approval is NOT required, then mark the EP CFAM signature block as not applicable (N/A) to indicate that signature is not required.		
Preparer Name (Print): Barry Kimray	Preparer Signature: See CAS	Date: See CAS
Reviewer Name (Print): See CAS	Reviewer Signature: See CAS	Date: See CAS
Approver (Manager, Nuclear Support Services) Name (Print): See CAS	Approver Signature: See CAS	Date: See CAS
Approver (EP CFAM, as required) Name (Print) See CAS	Approver Signature: See CAS	Date: See CAS
If the proposed activity is a change to the E-Plan, then initiate PRRs. If the proposed activity is a change to the E-Plan, then create two EREG General assignments		
If required by Section 5.6, Submitting Reports of Changes to the NRC, then create two EREG General Assignments.		<input type="checkbox"/>
<ul style="list-style-type: none"> One for EP to provide the 10 CFR 50.54(q) summary of the analysis, or the completed 10 CFR 50.54(q), to Licensing. One for Licensing to submit the 10 CFR 50.54(q) information to the NRC within 30 days after the change is put in effect. 		<input checked="" type="checkbox"/>

QA RECORD