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

Screening and Evaluation Number		Applicable Sites	
EREG #: <u>02279019</u>		BNP	
		CNS	
		HNP	
		MNS	
5AD #: <u>02278951</u>		ONS	
		RNP	
		GO	
Document and Revision	ion Emergency Plan Section D 19-01		

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):

Change #	Plan Section	Current Revision	Proposed Revision	Reason
1	Section D	Table of Contents Rev 18-3	Table of Contents Rev 19-1	Update page numbers for Rev 19- 1. Editorial
2	Section D Section 1.0	This information may assist the Emergency Coordinator/EOF Director in making classifications, particularly those involving judgment or multiple events.	This information may assist the Emergency Coordinator in making classifications, particularly those involving judgment or multiple events.	Removed 'EOF Director' as he/she no longer has responsibility for classification.
3	Section D Section 2.3	Alert: Any loss or any potential loss of either Fuel Clad or NCS barrier <u>Site</u> Area Emergency:	Alert: Any loss or any potential loss of either Fuel Clad or NCS barrier <u>Site Area Emergency:</u>	Added carriage return between 'barrier' and 'Site'. Editorial
4	Section D Section 2.4	EALs applicable under allplant operating modes –	EALs applicable under all plant operating modes –	Removed underline after 'all' and before 'plant'. Editorial
5	Section D Section 2.4	EALs applicable only under <u>hot</u> operating modes –	EALs applicable only under <u>hot</u> operating modes –	Removed underline after 'hot' and before 'operating'. Editorial
6	Section D Section 2.4	EALs applicable only under <u>cold</u> operating modes –	EALs applicable only under <u>cold</u> operating modes –	Removed underline after 'cold' and before 'operating'. Editorial
7	Section D Section 2.4	The MNS EAL categories are aligned	The MNS EAL categories are aligned	Added space between '99- 01' and

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t r				
		to and represent the	to and represent the	"Recognition'.
		NEI 99- 01"Recognition	NEI 99- 01	Editorial
		Categories."	"Recognition	
			Categories."	
8	Section D Section	This situation can occur	This situation can occur	Added space
	3.2.7, 1 st paragraph, 2 nd	when personnel	when personnel	between 'or' and
	sentence	discover that an event	discover that an event	'condition'. Editorial
		or condition existed	or condition existed	
		which met an EAL, but	which met an EAL, but	
		no emergency was	no emergency was	
		declared, and the event	declared, and the event	
		orcondition no longer	or condition no longer	
		exists at the time of	exists at the time of	
		discovery	discovery	
9	Section D Section 3.3.1	When making an	When making an	Removed 'EOF
		emergency	emergency	Director' as he/she
		classification, the	classification, the	no longer has
		Emergency	Emergency Coordinator	responsibility for
		Coordinator/EOF	must consider all	classification.
		Director must consider	information having a	
		all information having a	bearing on the proper	
		bearing on the proper	assessment of an	
		assessment of an	Initiating Condition (IC).	
		Initiating Condition (IC).	······································	
10	Section D Section	For ICs and EALs that	For ICs and EALs that	Removed 'EOF
	3.3.1.3	have a stipulated time	have a stipulated time	Director' as he/she
		duration (e.g., 15	duration (e.g., 15	no longer has
		minutes, 30 minutes,	minutes, 30 minutes,	responsibility for
		etc.), the Emergency	etc.), the Emergency	classification.
		Coordinator/EOF	Coordinator should not	
		Director should not wait	wait until the applicable	
		until the applicable time	time has elapsed, but	
		has elapsed, but should	should declare the	
		declare the event as	event as soon as it is	
		soon as it is determined	determined that the	
		that the condition has	condition has	
		exceeded, or will likely	exceeded, or will likely	
		exceed, the applicable	exceed, the applicable	
		time.	time.	
11	Section D Section	The NEI 99-01 EAL	The NEI 99-01 EAL	Removed 'EOF
	3.3.1.6	scheme provides the	scheme provides the	Director' as he/she
		Emergency	Emergency Coordinator	no longer has
		Coordinator/EOF	with the ability to	responsibility for
		Director with the ability	classify events and	classification.
		to classify events and	conditions based upon	
		conditions based upon	judgment using EALs	
		judgment using EALs	that are consistent with	
		that are consistent with	the Emergency	
		the Emergency	Classification Level	
		Classification Level	(ECL) definitions (refer	
		(ECL) definitions (refer	to Category H). The	
		to Category H). The	Emergency Coordinator	

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h-1				L
		Emergency Coordinator/EOF Director will need to determine if the effects or consequences of the event or condition reasonably meet or exceed a particular ECL definition.	will need to determine if the effects or consequences of the event or condition reasonably meet or exceed a particular ECL definition.	
12	Section D Section 3.2.3	Although EALs provide specific thresholds, the Emergency Coordinator/EOF Director must remain alert to events or conditions that could lead to meeting or exceeding an EAL within a relatively short period of time (i.e., a change in the ECL is IMMINENT). If, in the judgment of the Emergency Coordinator/EOF Director, meeting an EAL is IMMINENT, the emergency classification should be made as if the EAL has been met.	Although EALs provide specific thresholds, the Emergency Coordinator must remain alert to events or conditions that could lead to meeting or exceeding an EAL within a relatively short period of time (i.e., a change in the ECL is IMMINENT). If, in the judgment of the Emergency Coordinator, meeting an EAL is IMMINENT, the emergency classification should be made as if the EAL has been met.	Removed 'EOF Director' as he/she no longer has responsibility for classification.
13	Section D Section 3.2.6	The provision discussed above addresses only those rapidly evolving situations when an operator is able to take a successful corrective action prior to the Emergency Coordinator/EOF Director completing the review and steps necessary to make the emergency declaration.	The provision discussed above addresses only those rapidly evolving situations when an operator is able to take a successful corrective action prior to the Emergency Coordinator completing the review and steps necessary to make the emergency declaration.	Removed 'EOF Director' as he/she no longer has responsibility for classification.
14	Section D Section 5.2 Abbreviations /Acronyms	NA	NA	Removed and added spaces/periods for alignment. Editorial
15	Section D Section 6.0 Table	NA	NA	Centered text in columns. Editorial
16	Section D – 5.1 Definitions,	Overpressurization	Over pressurization	Added space between 'over' and

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	Explosion, 1 st sentence; CA6.1, Definitions, Explosion, 1 st sentence; SA9.1, Definitions, Explosion, 1 st sentence;			'pressurization'. Editorial
17	Section D Attachment 1 EAL Bases: RU1.1, RU1.2, RA1.1, RA1.3, RA1.4, RS1.1, RS1.3, RG1.1, RG1.3, RG2.1, CU1.1, CA1.2, CS1.1, CG1.1, CU2.1, CA2.1, CU3.2, CA3.1, CU4.1, HU4.1, HU4.2, HU4.3, HS6.1, SU1.1, SA1.1, SS1.1, SG1.1, SG1.2, SS2.1, SU3.1, SA3.1, SU5.1, SU8.1; Attachment 2: Barrier: Containment, Category: D. CMT Integrity or Bypass, Degradation Threat: Potential Loss, Threshold: 3	Note 1: The Emergency Coordinator/EOF Director should declare the event promptly upon determining that time limit has been exceeded, or will likely be exceeded.	Note 1: The Emergency Coordinator should declare the event promptly upon determining that time limit has been exceeded, or will likely be exceeded.	Removed 'EOF Director' as he/she no longer has responsibility for classification.
18	Section D Attachment 1, EAL Bases, CA1.1, 1 st paragraph of Basis,	5.1 in. above hotleg centerline (reounded to 5 in.) NCS level indication is the lowest level to assure adequate net positive suction head and prevent ND pump cavitation and air entrainment for all flow rates (ref. 1).	5.1 in. above hotleg centerline (rounded to 5 in.) NCS level indication is the lowest level to assure adequate net positive suction head and prevent ND pump cavitation and air entrainment for all flow rates (ref. 1).	Corrected spelling of 'rounded'. Editorial
19	Section D Attachment 1, EAL Bases, CA2.1	NA	Definition(s): None	Added text to be consistent with other EALs.
20	Section D Attachment 1, EAL Bases, CG1.1, 14 th paragraph of Basis, last sentence	Sump and/or tank level changes must be evaluated against other potential sources of water flow to ensure they are indicative of leakage from theNCS.	Sump and/or tank level changes must be evaluated against other potential sources of water flow to ensure they are indicative of leakage from the NCS.	Added space between 'the' and 'NCS'. Editorial

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21	Section D Attachment 1, EAL Bases, CU3.1, 3 rd paragraph of Basis	This IC addresses an UNPLANNED increase in NCS temperature above the Technical Specification cold shutdown temperature limitand represents a potential degradation of the level of safety of the plant.	This IC addresses an UNPLANNED increase in NCS temperature above the Technical Specification cold shutdown temperature limit and represents a potential degradation of the level of safety of the plant.	Added space between 'limit' and 'and'. Editorial
22	Section D Attachment 1, EAL Bases, SU1.1	Definition(s): None Basis: Basis:	Definition(s): None Basis:	Removed extra 'Basis:' Editorial
23	Section D Attachment 1, EAL Bases, SU5.1	NA	Failure to isolate the leak within 15 minutes, or if known that the leak cannot be isolated within 15 minutes from the start of the leak, requires immediate classification.	Added paragraph per NTM 02187203 based on Operating Experience from Catawba. This will assure classification within 15 minutes of indication that an EAL was or will be exceeded.
24	Section D Attachment 1, EAL Bases, SU6.1	Mode Applicability: 1 1- Power Operations	Mode Applicability: 1- Power Operations	Removed extra '1' Editorial
25	Section D Attachment 1, EAL Bases, SU6.1, 8 th paragraph of Bases	Following the failure on an automatic reactor trip, operators will promptly initiate manual actions at the reactor control consoles to shutdown the reactor (e.g., initiate a manual reactor trip).	Following the failure on an automatic reactor trip, operators will promptly initiate manual actions at the reactor control consoles to shut down the reactor (e.g., initiate a manual reactor trip).	Added space between 'shut' and 'down' and removed space between 'trip' and ')'. Editorial
26	Section D Attachment 1, EAL Bases, SU6.1, 9 th paragraph of Bases	If an initial manual reactor trip is unsuccessful, operators will promptly take manual action at another location(s) on the reactor control consoles to shutdown the reactor (e.g., initiate a manual reactor trip using a different switch).	If an initial manual reactor trip is unsuccessful, operators will promptly take manual action at another location(s) on the reactor control consoles to shut down the reactor (e.g., initiate a manual reactor trip using a different switch).	Added space between 'shut' and 'down'. Editorial
27	Section D Attachment 1, EAL Bases, SU6.1, Last paragraph of Bases, 2 nd bullet	and the RPS fails to automatically shutdown the reactor, then this IC and the EALs are applicable, and should be evaluated.	and the RPS fails to automatically shut down the reactor, then this IC and the EALs are applicable, and should be evaluated.	Added space between 'shut' and 'down'. Editorial

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28	Section D Attachment 1, EAL Bases, SU6.2,	Following the failure on an automatic reactor	Following the failure on an automatic reactor	Added space between 'shut' and
	6 th paragraph of Bases	trip, operators will	trip, operators will	'down'. Editorial
		promptly initiate manual	promptly initiate manual	
		actions at the reactor	actions at the reactor	
		control consoles to	control consoles to shut	
		shutdown the reactor	down the reactor (e.g.,	
		(e.g., initiate a manual	initiate a manual	
		reactor trip).	reactor trip).	
29	Section D Attachment	If an initial manual	If an initial manual	Added space
	1, EAL Bases, SU6.2,	reactor trip is	reactor trip is	between 'shut' and 'down'. Editorial
	6 th paragraph of Bases	unsuccessful, operators will promptly take	unsuccessful, operators will promptly take	down. Editorial
		manual action at	manual action at	
		another location(s) on	another location(s) on	
		the reactor control	the reactor control	
		consoles to shutdown	consoles to shut down	
		the reactor (e.g., initiate	the reactor (e.g., initiate	
		a manual reactor trip	a manual reactor trip	
		using a different	using a different	
		switch).	switch).	
30	Section D Attachment	If the signal causes a	If the signal causes a	Added space
	1, EAL Bases, SU6.1,	plant transient that	plant transient that	between 'shut' and
	Last paragraph of	, should have included	, should have included	'down'. Editorial
	Bases, 1 st bullet	an automatic reactor	an automatic reactor	
		trip and the RTS fails to	trip and the RTS fails to	
		automatically shutdown	automatically shut	
		the reactor, then this IC	down the reactor, then	
		and the EALs are	this IC and the EALs	
		applicable, and should	are applicable, and	
		be evaluated.	should be evaluated.	
31	Section D Attachment	This IC addresses a	This IC addresses a	Added space
	1, EAL Bases, SA6.1,	failure of the RPS to	failure of the RPS to	between 'shut' and
	5th paragraph of Bases	initiate or complete an	initiate or complete an	'down'. Editorial
		automatic or manual	automatic or manual	
		reactor trip that results	reactor trip that results	
		in a reactor shutdown,	in a reactor shutdown,	
		and subsequent	and subsequent	
		operator manual	operator manual	
		actions taken at the reactor control consoles	actions taken at the reactor control	
		to shutdown the reactor	consoles to shut down	
		are also unsuccessful.	the reactor are also	
		are also unsuccessiul.	unsuccessful.	
32	Section D Attachment	Actions taken at	Actions taken at back	Added space
	1, EAL Bases, SA6.1,	backpanels or other	panels or other	between 'back' and
	6th paragraph of	locations within the	locations within the	'panels'. Editorial
	Bases, last sentience	Control Room, or any	Control Room, or any	
		location outside the	location outside the	
		Control Room, are not	Control Room, are not	
		considered to be "at the	considered to be "at the	
		reactor control	reactor control	
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		console".	console".	
33	Section D Attachment	5% rated power is a	5% rated power is a	Removed extra
	1, EAL Bases, SS6.1,	minimum reading on	minimum reading on	spaces between
	7 th paragraph of Bases	the power range scale	the power range scale	'designed' and 'to'
		that indicates continued	that indicates continued	and 'a' and 'normal'.
		power production. It	power production. It	Editorial
		also approximates the	also approximates the	
		decay heat which the	decay heat which the	
		shutdown systems	shutdown systems	
		were designed to	were designed to	
		remove and is	remove and is	
		indicative of a condition	indicative of a condition	
		requiring immediate	requiring immediate	
		response to prevent	response to prevent	
		subsequent core	subsequent core	
		damage. Below 5%,	damage. Below 5%,	
		plant response will be	plant response will be	
		similar to that observed	similar to that observed	
		during a normal	during a normal	
		shutdown. Nuclear	shutdown. Nuclear	
		instrumentation can be	instrumentation can be	
		used to determine if	used to determine if	
		reactor power is greater	reactor power is greater	
		than 5% power (ref. 1,	than 5% power (ref. 1,	
		<u>4).</u>	<u>4).</u>	
34	Section D Attachment	The inclusion of this IC	The inclusion of this IC	Added space
	1, EAL Bases, SS6.1,	and EAL ensures the	and EAL ensures the	between 'shut' and
	10 th paragraph of Bases	timely declaration of a	timely declaration of a	'down'. Editorial
	Dases	Site Area Emergency in	Site Area Emergency in	
		response to prolonged failure to shutdown the	response to prolonged failure to shut down the	
		reactor.	reactor.	
35	Section D Attachment 1	The EALs of this	The EALs of this	Removed 'EOF
	EAL Bases, Category	category provide the	category provide the	Director' as he/she
	H, 7. Emergency	Emergency	Emergency Coordinator	no longer has
	Coordinator Judgment	Coordinator/EOF	the latitude to classify	responsibility for
		Director the latitude to	emergency conditions	classification.
		classify emergency	consistent with the	
		conditions consistent	established	
		with the established	classification criteria	
		classification criteria	based upon Emergency	
		based upon Emergency	Coordinator judgment.	
		Coordinator/EOF		
		Director judgment.		
36	Section D Attachment 1	This threshold	This threshold	Corrected spelling of
	EAL Bases, HU1.1, 5 th	references the Security	references the Security	'Supervision'.
	paragraph of Basis	Shift Supervison	Shift Supervision	Editorial
		because these are the	because these are the	
		individuals trained to	individuals trained to	
	1	confirm that a convrity	confirm that a security	
		confirm that a security	communat a security	
		event is occurring or has occurred.	event is occurring or has occurred.	

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37	Section D Attachment 1	Other conditions exist	Other conditions	Removed 'EOF
	EAL Bases, Category	that in the judgment of	existing that in the	Director' as he/she
	H, HU7.1 Initiating	the Emergency	judgment of the	no longer has
	Condition	Coordinator/EOF	Emergency	responsibility for
		Director warrant	Coordinator warrant	classification
		declaration of an Alert	declaration of a UE	
38	Section D Attachment 1	Other conditions exist	Other conditions exist	Removed 'EOF
	EAL Bases, Category	which in the judgment	which in the judgment	Director' as he/she
	H, HU7.1 EAL	of the Emergency	of the Emergency	no longer has
		Coordinator/EOF	Coordinator	responsibility for
		Director	indicate that events are	classification
		indicate that events are	in progress or have	
		in progress or have	occurred which indicate	
		occurred which indicate	a potential	
		a potential	degradation of the level	
		degradation of the level	of safety of the plant or	
		of safety of the plant or	indicate a security	
		indicate a security	threat to facility	
		threat to facility	protection has been	
		protection has been	initiated. No releases of	
		initiated. No releases of	radioactive material	
		radioactive material	requiring offsite	
		requiring offsite	response or monitoring	
		response or monitoring	are expected unless	
		are expected unless	further degradation of	
		further degradation of	SAFETY SYSTEMS	
		SAFETY SYSTEMS	occurs.	
		occurs.		
39	Section D Attachment 1	The Emergency	The Emergency	Changed 'The
	EAL Bases, Category	Coordinator/EOF	Coordinators are the	Emergency
	H, HU7.1 Basis	Director are the	designated onsite	Coordinator/EOF
		designated onsite	individuals having the	Director are the
		individuals having the	responsibility and	designated' to
		responsibility and	authority for	'The Emergency
		authority for	implementing the MNS	Coordinators are the
		implementing the MNS	Emergency Response	designated'.
		Emergency Response	Plan. The Operations	Pluralized
		Plan. The Operations	Shift Manager (SM)	'Emergency
		Shift Manager (SM)	initially acts in the	Coordinator' for
		initially acts in the	capacity of the	grammatical
		capacity of the	Emergency Coordinator	correctness.
		Emergency	and takes actions as	Removed 'EOF
		Coordinator/EOF	outlined in the	Director' as he/she
		Director and takes	Emergency Plan	no longer has
		actions as outlined in	implementing	responsibility for
		the Emergency Plan	procedures. If required	classification.
		implementing	by the emergency	
		procedures. If required	classification or if	
		by the emergency	deemed appropriate by	
		classification or if	the Emergency	
		deemed appropriate by	Coordinator,	
		the Emergency	emergency response	

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t r		Coordinator/COC		l
		Coordinator/EOF	personnel are notified	
		Director, emergency	and instructed to report	
		response personnel are	to their emergency	
		notified and instructed	response locations. In	
		to report to their	this manner, the	
		emergency response	individual usually in	
		locations. In this	charge of activities in	
		manner, the individual	the Control Room is	
		usually in charge of	responsible for initiating	
		activities in the Control	the necessary	
		Room is responsible for	emergency response,	
		initiating the necessary	but Plant Management	
		emergency response,	is expected to manage	
		but Plant Management	the emergency	
		is expected to manage	response as soon as	
		the emergency	available to do so in	
		response as soon as	anticipation of the	
		available to do so in	possible wide-ranging	
		anticipation of the	responsibilities	
		possible wide-ranging	associated with	
		responsibilities	managing a major	
		associated with	emergency (ref. 1).	
		managing a major	3 3 ()	
		emergency (ref. 1).	This IC addresses	
		5 , (,	unanticipated	
		This IC addresses	conditions not	
		unanticipated	addressed explicitly	
		conditions not	elsewhere but that	
		addressed explicitly	warrant declaration of	
		elsewhere but that	an emergency because	
		warrant declaration of	conditions exist which	
		an emergency because	are believed by the	
		conditions exist which	Emergency Coordinator	
		are believed by the	to fall under the	
		Emergency	emergency	
		Coordinator/EOF	classification level	
		Director to fall under	description for an	
		the emergency	Unusual Event.	
		classification level		
		description for an		
		Unusual Event.		
40	Section D Attachment 1	Other conditions exist	Other conditions exist	Removed 'EOF
	EAL Bases, Category	that in the judgment of	that in the judgment of	Director' as he/she
	H, HA7.1 Initiating	the Emergency	the Emergency	no longer has
	Condition	Coordinator/EOF	Coordinator warrant	responsibility for
		Director warrant	declaration of an Alert	classification.
		declaration of an Alert		
41	Section D Attachment 1	Other conditions exist	Other conditions exist	Removed 'EOF
''	EAL Bases, Category	which, in the judgment	which, in the judgment	Director' as he/she
	H, HA7.1 EAL	of the Emergency	of the Emergency	no longer has
		Coordinator/EOF	Coordinator,	responsibility for
		Director,	indicate that events are	classification.
	1		indicate that events are	CIASSIIICALIUIT.

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				1
		indicate that events are	in progress or have	
		in progress or have	occurred which involve	
		occurred which involve	an actual or potential	
		an actual or potential	substantial degradation	
		substantial degradation	of the level of safety of	
		of the level of safety of	the plant or a security	
		the plant or a security	event that involves	
		event that involves	probable life	
		probable life	threatening risk to site	
		threatening risk to site	personnel or damage to	
		personnel or damage to	site equipment because	
		site equipment because	of	
		of	HOSTILE ACTION.	
		HOSTILE ACTION. Any	Any releases are	
		-	5	
		releases are expected to be limited to small	expected to be limited	
			to small fractions of the	
		fractions of the EPA	EPA Drotoctive Action	
		Protective Action	Protective Action	
		Guideline exposure	Guideline exposure	
40		levels.	levels.	
42	Section D Attachment 1	The Emergency	The Emergency	Changed 'The
	EAL Bases, Category	Coordinator/EOF	Coordinators are the	Emergency
	H, HA7.1 Basis	Director are the	designated onsite	Coordinator/EOF
		designated onsite	individuals having the	Director are the
		individuals having the	responsibility and	designated' to
		responsibility and	authority for	'The Emergency
		authority for	implementing the MNS	Coordinators are the
		implementing the MNS	Emergency Response	designated'.
		Emergency Response	Plan. The Operations	Pluralized
		Plan. The Operations	Shift Manager (SM)	'Emergency
		Shift Manager (SM)	initially acts in the	Coordinator' for
		initially acts in the	capacity of the	grammatical
		capacity of the	Emergency Coordinator	correctness.
		Emergency Coordinator	and takes actions as	Removed 'EOF
		and takes actions as	outlined in the	Director' as he/she
		outlined in the	Emergency Plan	no longer has
		Emergency Plan	implementing	responsibility for
		implementing	procedures. If required	classification.
		procedures. If required	by the emergency	
		by the emergency	classification or if	
		classification or if	deemed appropriate by	
		deemed appropriate by	the Emergency	
		the Emergency	Coordinator,	
		Coordinator,	emergency response	
		emergency response	personnel are notified	
		personnel are notified	and instructed to report	
		and instructed to report	to their emergency	
		to their emergency	response locations. In	
		response locations. In	this manner, the	
		this manner, the	individual usually in	
		individual usually in	charge of activities in	
		charge of activities in	the Control Room is	

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t r			· · · · · · · ·	L
		the Control Room is	responsible for initiating	
		responsible for initiating	the necessary	
		the necessary	emergency response,	
		emergency response,	but Plant Management	
		but Plant Management	is expected to manage	
		is expected to manage	the emergency	
		the emergency	response as soon as	
		response as soon as	available to do so in	
		available to do so in	anticipation of the	
		anticipation of the	possible wide-ranging	
		possible wide-ranging	responsibilities	
		responsibilities	associated with	
		associated with	managing a major	
		managing a major	emergency (ref.1).	
		emergency (ref.1).		
			This IC addresses	
		This IC addresses	unanticipated	
		unanticipated	conditions not	
		conditions not		
			addressed explicitly	
		addressed explicitly elsewhere but that	elsewhere but that warrant declaration of	
		warrant declaration of	an emergency because	
		an emergency because	conditions exist which	
		conditions exist which	are believed by the	
		are believed by the	Emergency Coordinator	
		Emergency	to fall under the	
		Coordinator/EOF	emergency	
		Director to fall under	classification level	
		the emergency	description for an Alert.	
		classification level		
		description for an Alert.		
43	Section D Attachment 1	Other conditions	Other conditions	Removed 'EOF
	EAL Bases, Category	existing that in the	existing that in the	Director' as he/she
	H, HS7.1 Initiating	judgment of the	judgment of the	no longer has
	Condition	Emergency	Emergency Coordinator	responsibility for
		Coordinator/EOF	warrant declaration of a	classification
		Director warrant	Site Area Emergency	
		declaration of a Site		
		Area Emergency		
44	Section D Attachment 1	Other conditions exist	Other conditions exist	Removed 'EOF
	EAL Bases, Category	which in the judgment	which in the judgment	Director' as he/she
	H, HS7.1 EAL	of the Emergency	of the Emergency	no longer has
		Coordinator/EOF	Coordinator	responsibility for
		Director	indicate that events are	classification
		indicate that events are	in progress or have	
		in progress or have	occurred which involve	
		occurred which involve	actual or likely major	
		actual or likely major	failures of plant	
		failures of plant	functions needed for	
		functions needed for	protection of the public	
		protection of the public	or HOSTILE ACTION	
		or HOSTILE ACTION	that	

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45	Castion D Attackment 1	that results in intentional damage or malicious acts, (1) toward site personnel or equipment that could lead to the likely failure of or, (2) that prevent effective access to equipment needed for the protection of the public. Any releases are not expected to result in exposure levels which exceed EPA Protective Action Guideline exposure levels beyond the SITE BOUNDARY.	results in intentional damage or malicious acts, (1) toward site personnel or equipment that could lead to the likely failure of or, (2) that prevent effective access to equipment needed for the protection of the public. Any releases are not expected to result in exposure levels which exceed EPA Protective Action Guideline exposure levels beyond the SITE BOUNDARY.	Changed (The
45	Section D Attachment 1 EAL Bases, Category H, HS7.1 Basis	The Emergency Coordinator/EOF Director are the designated onsite individuals having the responsibility and authority for implementing the MNS Emergency Response Plan. The Operations Shift Manager (SM) initially acts in the capacity of the Emergency Coordinator and takes actions as outlined in the Emergency Plan implementing procedures. If required by the emergency classification or if deemed appropriate by the Emergency Coordinator, emergency response personnel are notified and instructed to report to their emergency response locations. In this manner, the individual usually in	The Emergency Coordinators are the designated onsite individuals having the responsibility and authority for implementing the MNS Emergency Response Plan. The Operations Shift Manager (SM) initially acts in the capacity of the Emergency Coordinator and takes actions as outlined in the Emergency Plan implementing procedures. If required by the emergency classification or if deemed appropriate by the Emergency Coordinator, emergency response personnel are notified and instructed to report to their emergency response locations. In this manner, the individual usually in charge of activities in	Changed 'The Emergency Coordinator/EOF Director are the designated' to 'The Emergency Coordinators are the designated'. Pluralized 'Emergency Coordinator' for grammatical correctness. Removed 'EOF Director' as he/she no longer has responsibility for classification.

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		charge of activities in	the Control Room is	
		the Control Room is	responsible for initiating	
		responsible for initiating	the necessary	
		the necessary	emergency response,	
		emergency response,	but Plant Management	
		but Plant Management	is expected to manage	
		is expected to manage	the emergency	
		the emergency	response as soon as	
		response as soon as	available to do so in	
		available to do so in	anticipation of the	
		anticipation of the	possible wide-ranging	
		possible wide-ranging	responsibilities	
		responsibilities	associated with	
		associated with	managing a major	
		managing a major	emergency (ref. 1).	
		emergency (ref. 1).		
			This IC addresses	
		This IC addresses	unanticipated	
		unanticipated	conditions not	
		conditions not	addressed explicitly	
		addressed explicitly	elsewhere but that	
		elsewhere but that	warrant declaration of	
		warrant declaration of	an emergency because	
		an emergency because	conditions exist which	
		conditions exist which	are believed by the	
		are believed by the	Emergency Coordinator	
		Emergency Coordinator/EOF	to fall under the	
			emergency classification level	
		Director to fall under	description for a Site	
		the emergency classification level	Area Emergency.	
			Alea Emergency.	
		description for a Site Area Emergency.		
46	Section D Attachment 1	Other conditions exist	Other conditions exist	Removed 'EOF
	EAL Bases, Category	which in the judgment	which in the judgment	Director' as he/she
	H, HG7.1 Initiating	of the Emergency	of the Emergency	no longer has
	Condition	Coordinator/EOF	Coordinator warrant	responsibility for
		Director warrant	declaration of a	classification
		declaration of a	General Emergency	
		General Emergency		
47	Section D Attachment 1	Other conditions exist	Other conditions exist	Removed 'EOF
	EAL Bases, Category	which in the judgment	which in the judgment	Director' as he/she
	H, HG7.1 EAL	of the Emergency	of the Emergency	no longer has
	,	Coordinator/EOF	Coordinator	responsibility for
		Director	indicate that events are	classification. Added
		indicate that events are	in progress or have	period at end of EAL
		in progress or have	occurred which involve	– editorial.
		occurred which involve	actual or IMMINENT	
		actual or IMMINENT	substantial core	
		substantial core	degradation or melting	
		degradation or melting	with potential for loss of	
11		with potential for loss of	containment integrity or	

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		containment integrity or HOSTILE ACTION that results in an actual loss of physical control of the facility. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels offsite for more than the immediate site area	HOSTILE ACTION that results in an actual loss of physical control of the facility. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels offsite for more than the immediate site area.	
48	Section D Attachment 1 EAL Bases, Category H, HG7.1 Basis	The Emergency Coordinator/EOF Director are the designated onsite individuals having the responsibility and authority for implementing the MNS Emergency Response Plan. The Operations Shift Manager(SM) initially acts in the capacity of the Emergency Coordinator and takes actions as outlined in the Emergency Plan implementing procedures. If required by the emergency classification or if deemed appropriate by the Emergency Coordinator, emergency response personnel are notified and instructed to report to their emergency response locations. In this manner, the individual usually in charge of activities in the Control Room is responsible for initiating the necessary emergency response, but Plant Management is expected to manage the emergency response as soon as	The Emergency Coordinator are the designated onsite individuals having the responsibility and authority for implementing the MNS Emergency Response Plan. The Operations Shift Manager(SM) initially acts in the capacity of the Emergency Coordinator and takes actions as outlined in the Emergency Plan implementing procedures. If required by the emergency classification or if deemed appropriate by the Emergency Coordinator, emergency response personnel are notified and instructed to report to their emergency response locations. In this manner, the individual usually in charge of activities in the Control Room is responsible for initiating the necessary emergency response, but Plant Management is expected to manage the emergency response as soon as available to do so in	Removed 'EOF Director' as he/she no longer has responsibility for classification

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t	1	ſ		· · · · ·
		available to do so in	anticipation of the	
		anticipation of the	possible wide-ranging	
		possible wide-ranging	responsibilities	
		responsibilities	associated with	
		associated with	managing a major	
		managing a major	emergency (ref. 1).	
		emergency (ref. 1).	5,(,,,	
			Releases can	
		Releases can	reasonably be	
		reasonably be expected	expected to exceed	
		to exceed EPA PAG	EPA PAG plume	
		plume exposure levels	exposure levels outside	
		outside the Site		
			the Site Boundary.	
		Boundary.		
		T I: 10 11	This IC addresses	
		This IC addresses	unanticipated	
		unanticipated	conditions not	
		conditions not	addressed explicitly	
		addressed explicitly	elsewhere but that	
		elsewhere but that	warrant declaration of	
		warrant declaration of	an emergency because	
		an emergency because	conditions exist which	
		conditions exist which	are believed by the	
		are believed by the	Emergency Coordinator	
		Emergency	to fall under the	
		Coordinator/EOF	emergency	
		Director to fall under	classification level	
		the emergency	description for a	
		classification level	•	
			General Emergency.	
		description for a		
40	Or athen D Attack and t	General Emergency.		Demonsed (EQE
49	Section D Attachment 1	Alternatively, if both the	Alternatively, if both the	Removed 'EOF
	EAL Bases, Category	Fuel Clad and NCS	Fuel Clad and NCS	Director' as he/she
	F– Fission Product	fission product barriers	fission product barriers	no longer has
	Barrier Degradation,	were potentially lost,	were potentially lost,	responsibility for
	last paragraph/bullet	the Emergency	the Emergency	classification
		Coordinator/EOF	Coordinator would have	
		Director would have	more assurance that	
		more assurance that	there was no	
		there was no immediate	immediate need to	
		need to escalate to a	escalate to a General	
		General Emergency.	Emergency.	
50	Section D Attachment 1	Alternatively, if both	Alternatively, if both	Removed 'EOF
	EAL Bases, FS1.1	Fuel Clad and NCS	Fuel Clad and NCS	Director' as he/she
	Basis	potential loss	potential loss	no longer has
		thresholds existed, the	thresholds existed, the	responsibility for
		Emergency	Emergency Coordinator	classification
		Coordinator/EOF	would have greater	Glassification
		Director would have	assurance that	
			escalation to a General	
		greater assurance that		
		escalation to a General	Emergency is less	
		Emergency is less	imminent.	

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1		imminent.		
51	Section D Attachment 1, EAL Bases, EAL: HU7.1, HA7.1, HS7.1, HG7.1 – Basis second sentence	The Operations Shift Manager (SM) initially acts in the capacity of the Emergency Coordinator and takes actions as outlined in the Emergency Plan implementing procedures	The Shift Manager(SM) initially acts in the capacity of the Emergency Coordinator and takes actions as outlined in the Emergency Plan implementing procedures	Deleted 'Operations' before Shift Manager to reflect correct position title. Editorial
52	Section D Attachment 1, Attachment 2, Fission Product Barrier Loss/Potential Loss Matrix and Bases: Barrier: Fuel Clad, Category: E. Emergency Coordinator Judgment, Degradation Threat: Loss, Threshold: 1; Barrier: Fuel Clad, Category: E. Emergency Coordinator Judgment, Degradation Threat: Potential Loss, Threshold: 1; Barrier: Reactor Coolant System, Category: E. Emergency Coordinator Judgment, Degradation Threat: Loss, Threshold: 1; Barrier: Reactor Coolant System, Category: E. Emergency Coordinator Judgment, Degradation Threat: Loss, Threshold: 1; Barrier: Reactor Coolant System, Category: E. Emergency Coordinator Judgment, Degradation Threat: Potential Loss, Threshold: 1; Barrier: Containment, Category: F. Emergency Coordinator Judgment, Degradation Threat: Potential Loss, Threshold: 1; Barrier: Containment, Category: F. Emergency Coordinator Judgment, Degradation Threat: Potential Loss, Threshold: 1; Barrier: Containment, Category: F. Emergency Coordinator Judgment, Degradation Threat: Loss, Threshold: 1; Barrier: Containment, Category: F. Emergency Coordinator Judgment, Degradation Threat: Loss, Threshold: 1;	Emergency Coordinator/EOF Director	Emergency Coordinator	Removed 'EOF Director' as he/she no longer has responsibility for classification

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50		January, 2018	July, 2019	
57	Section D Throughout	NA Footer - Rev. 18-1	NA Footer - Rev. 19-1	Added/removed spaces and carriage returns and corrected capitalization and indentions. Editorial Editorial
56	Section D Attachment 2 Fission Product Barrier Loss/Potential Loss Matrix and Bases Table, Barrier: Fuel Clad, Category: B. Inadequate Heat Removal, 1 st paragraph of Basis	Critical Safety Function Status Tree (CSFST) Core Cooling-ORANGE path indicates indicates subcooling has been lost and that some fuel clad damage may potentially occur.	Critical Safety Function Status Tree (CSFST) Core Cooling-ORANGE path indicates subcooling has been lost and that some fuel clad damage may potentially occur.	Removed second 'indicates'. Editorial
55	Matrix and Bases Table Section D Attachment 2 Fission Product Barrier Loss/Potential Loss Matrix and Bases, Barrier: Fuel Clad, Category: E. Emergency Coordinator Judgment, Degradation Threat: Loss, Basis, 3 rd bullet	Dominant accident sequences lead to degradation of all fission product barriers and likely entry to the EOPs. The Emergency Coordinator/EOF Director should be mindful of the Loss of AC power (Station Blackout) and ATWS EALs to assure timely emergency classification declarations.	Dominant accident sequences lead to degradation of all fission product barriers and likely entry to the EOPs. The Emergency Coordinator should be mindful of the Loss of AC power (Station Blackout) and ATWS EALs to assure timely emergency classification declarations.	Removed 'EOF Director' as he/she no longer has responsibility for classification
54	Section D Attachment 2 Fission Product Barrier Loss/Potential Loss	NA	NA	Added bottom border to table. Editorial
53	Section D Attachment 2 Fission Product Barrier Loss/Potential Loss Matrix and Bases Table	Emergency Coordinator/EOF Director	Emergency Coordinator	Removed 'EOF Director' as he/she no longer has responsibility for classification
	Barrier: Containment, Category: F. Emergency Coordinator Judgment, Degradation Threat: Potential Loss, Threshold: 1;			

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Part II. Activity Previously Reviewed?	Yes		No		
Alert and Notification System Design Report?	10 CFR 50.5 Effectiveness Evaluation is	5	Continue Attachme 10 CFR	ent 4,	
ensure the basis for concluding the source document fully bounds the proposed change is documented below:	required. Enter justification below and		50.54(q) Screening Evaluation		
Justification	Justification: complete Form, P Attachment 4, Part V.				
Bounding document attached (optional)					
Part III. Editorial Change Is this activity an editorial or typographical change only, such as formatting,	Yes		No or Partially		
	paragraph numbering, spelling, or punctuation that does not change intent? 10 CFR 50.54(q) Continue Effectiveness Attachme Evaluation is not Part IV at				
The following changes are Editorial Changes per AD-EP-ALL-0602 and will NOT be evaluated further:			address non editorial changes		
1, 3 through 8, 14 through 16, 18, 20 through 22, 24 through 34, 36, 47 (period	Attachment 4 Part V.	·,	0		
	11.0		for Adda		
Part IV. Emergency Planning Element and Function Screen (Reference Attachmen Screening Criteria)	nt 1, Consider	ations	s for Addre	ssing	
Does this activity involve any of the following, including program elements from NU II? If answer is yes, then check box.	JREG-0654/F	EMA	REP-1 Sec	ction	
1 10 CFR 50.47(b)(1) Assignment of Responsibility (Organization Control)					
1a Responsibility for emergency response is assigned.					
1b The response organization has the staff to respond and to augment staff on a (24-7 staffing) in accordance with the emergency plan.	a continuing b	asis			
2 10 CFR 50.47(b)(2) Onsite Emergency Organization					
2a Process ensures that onshift emergency response responsibilities are staffed	l and assigned	b			
2b The process for timely augmentation of onshift staff is established and mainta	ained.				
3 10 CFR 50.47(b)(3) Emergency Response Support and Resources					
3a Arrangements for requesting and using off site assistance have been made.					
3b State and local staff can be accommodated at the EOF in accordance with the (NA for CR3)	e emergency	plan.			

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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.)	
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.	
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)	
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)	

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Part l	V. 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.	
6b	Systems are established for prompt communication to emergency response personnel.	
7	10 CFR 50.47(b)(7) Public Education and Information	<u>.</u>
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)	
7b	Coordinated dissemination of public information during emergencies is established.	
8	10 CFR 50.47(b)(8) Emergency Facilities and Equipment	
8a	Adequate facilities are maintained to support emergency response.	
8b	Adequate equipment is maintained to support emergency response.	
9	10 CFR 50.47(b)(9) Accident Assessment	
9a	Methods, systems, and equipment for assessment of radioactive releases are in use.	
10	10 CFR 50.47(b)(10) Protective Response	•
10a	A range of public PARs is available for implementation during emergencies. (NA for CR3)	
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)	
10c	A range of protective actions is available for plant emergency workers during emergencies, including those for hostile action events.	
10d	KI is available for implementation as a protective action recommendation in those jurisdictions that chose to provide KI to the public.	
11	10 CFR 50.47(b)(11) Radiological Exposure Control	•
11a	The resources for controlling radiological exposures for emergency workers are established.	
12	10 CFR 50.47(b)(12) Medical and Public Health Support	•
12a	Arrangements are made for medical services for contaminated, injured individuals.	
13	10 CFR 50.47(b)(13) Recovery Planning and Post-accident Operations	
13a	Plans for recovery and reentry are developed.	
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.	
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.	
14c	Identified weaknesses are corrected.	
15	10 CFR 50.47(b)(15) Emergency Response Training	
15a	Training is provided to emergency responders.	

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		Screen (cont.)		
Part	V. Emergency Planning Element and Function			
16	10 CFR 50.47(b)(16) Emergency Plan Mainte	enance		
16a	Responsibility for emergency plan developme	ent and review is established.		
16b	Planners responsible for emergency plan dev	velopment and maintenance are properly ti	rained.	
				1
lf no	T IV. Conclusion Part IV criteria are checked, then provide Justi ïcation:	fication and complete Part V below.		
impa	proposed changes below are considered c ict an Emergency Planning Standard and r ige 19 – Added 'Definition(s): None'. Added te	need NOT be evaluated further:	t do NOT	
Rem	ollowing Changes are to be evaluated: oving EOF Director from classify – Changes 2, gh 50, 52, 53 and 55	9 through 13, 17, 35, 37 through 46, 47 (n	on-editorial), 48	
unou				
	d clarifying statement to SU5.1 Bases – Chang	ge 23		
Adde If any Attac Effec	Attachment 4, 10 CFR 50.54(q) Screening Ev hment 4, 10 CFR 50.54(q) Screening Evaluation tiveness Evaluation. Program Element 4a requ	- valuation Form, Part IV criteria are checked on Form, Part V and perform a 10 CFR 50.	54(q)	
Adde If any Attac	Attachment 4, 10 CFR 50.54(q) Screening Ev hment 4, 10 CFR 50.54(q) Screening Evaluation tiveness Evaluation. Program Element 4a requ	- valuation Form, Part IV criteria are checked on Form, Part V and perform a 10 CFR 50.	54(q)	
Adde If any Attac Effec CFAI Part ¹ EP C	Attachment 4, 10 CFR 50.54(q) Screening Ev hment 4, 10 CFR 50.54(q) Screening Evaluation tiveness Evaluation. Program Element 4a requ	valuation Form, Part IV criteria are checked on Form, Part V and perform a 10 CFR 50. uires final approval of Screen and Evaluati fecting Program Element 4a. If CFAM appl	54(q) on by EP roval is <u>NOT</u> requ	ired,
Adde If any Attac Effec CFAI Part ^v EP C then	Attachment 4, 10 CFR 50.54(q) Screening Ev hment 4, 10 CFR 50.54(q) Screening Evaluatio tiveness Evaluation. Program Element 4a requ M. V. Signatures: FAM Final Approval is required for changes af	valuation Form, Part IV criteria are checked on Form, Part V and perform a 10 CFR 50. uires final approval of Screen and Evaluati fecting Program Element 4a. If CFAM appl	54(q) on by EP roval is <u>NOT</u> requ	ired,
Adde If any Attac Effec CFAI Part ¹ EP C then Preps	v Attachment 4, 10 CFR 50.54(q) Screening Ev hment 4, 10 CFR 50.54(q) Screening Evaluatio tiveness Evaluation. Program Element 4a required M. V. Signatures: FAM Final Approval is required for changes af mark the EP CFAM signature block as not app	valuation Form, Part IV criteria are checked on Form, Part V and perform a 10 CFR 50. uires final approval of Screen and Evaluati fecting Program Element 4a. If CFAM approved and the signature is not	54(q) on by EP roval is <u>NOT</u> requ ot required. Date:	ired,
Adde If any Attac Effec CFAI Part ` EP C then Prepa Revie	v Attachment 4, 10 CFR 50.54(q) Screening Ev hment 4, 10 CFR 50.54(q) Screening Evaluatio tiveness Evaluation. Program Element 4a requ M. V. Signatures: FAM Final Approval is required for changes af mark the EP CFAM signature block as not app arer Name (Print): Barry Kimray	valuation Form, Part IV criteria are checked on Form, Part V and perform a 10 CFR 50. uires final approval of Screen and Evaluati fecting Program Element 4a. If CFAM app blicable (N/A) to indicate that signature is no Preparer Signature: See CAS	54(q) on by EP roval is <u>NOT</u> required. Date: See CAS Date:	ired,

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

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.	•
 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. 	

QA RECORD