

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

ATTACHMENT 5

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**<< 10 CFR 50.54(q) Effectiveness Evaluation Form >>**

Screening and Evaluation Number		Applicable Sites	
EREG #: <u>2304342</u>		BNP	<input type="checkbox"/>
		CNS	<input type="checkbox"/>
		CR3	<input type="checkbox"/>
		HNP	<input type="checkbox"/>
5AD #: <u>2304283</u>		MNS	<input checked="" type="checkbox"/>
		ONS	<input type="checkbox"/>
		RNP	<input type="checkbox"/>
		GO	<input type="checkbox"/>
Document and Revision		RP/0/A/5700/011 Rev. 24	
Part I. Description of Proposed Change:			
#	E-Plan or Procedure Section Reference	Current (Existing) Text	Proposed (Change) Text
3	1.1.2	Site Assembly warrants accountability of all personnel on site: • <b>Alert</b> , Site Area Emergency or General Emergency • Emergency Coordinator Judgment	Site Assembly warrants accountability of all personnel on site: • Site Area Emergency or General Emergency • Emergency Coordinator Judgment Removed Alert
4	2.2.3	<b>IF</b> any of the following have been declared, perform Enclosure 4.1 (Site Assembly). <input type="checkbox"/> <b>Alert</b> <input type="checkbox"/> Site Area Emergency <input type="checkbox"/> General Emergency	<b>IF</b> any of the following have been declared, perform Enclosure 4.1 (Site Assembly). <input type="checkbox"/> Site Area Emergency <input type="checkbox"/> General Emergency  Removed Alert
Attachment 6, 10 CFR 50.54(q) Initiating Condition (IC) and Emergency Action Level (EAL) and EAL Bases Validation and Verification (V&V) Form , is attached (required for IC or EAL change)			
			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

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Part II. Description and Review of Licensing Basis Affected by the Proposed Change:

**Licensing Basis**

- McGuire Emergency Plan Change 2 (dated February 1981), additional information submitted April 3, 1981 and July 1, 1981, Revision 97-1 (dated April 1997), and Revision 11-3 (dated October, 2011)

**Current Emergency Plan**

Section J, Protective Response, Paragraph J.5

The differences in approved revisions and the current revisions of the Emergency Plans have been reviewed, and they have been determined to meet the regulatory requirements required during the course of revisions.

Part III. Description of How the Proposed Change Complies with Regulation and Commitments.

If the emergency plan, modified as proposed, no longer complies with planning standards in 10 CFR 50.47(b) and the requirements in Appendix E to 10 CFR Part 50, then ensure the change is rejected, modified, or processed as an exemption request under 10 CFR 50.12, Specific Exemptions, rather than under 10 CFR 50.54(q):

MNS Emergency Plan Implementing Procedure (EPIP) for conducting a site assembly is being revised to remove requirement to conduct a site assembly when an Alert is declared. This is being revised to align with the Duke Energy fleet on when Site Assembly is required. Site Assembly is being performed to account for all on-site individuals during an Emergency when hazards could exist. On-site workers will continue to be protected from on-site hazards during Alert conditions as directed by MNS Emergency and Abnormal Operating Procedures. MNS site maintains the ability to initiate site assembly if SM determines site assembly is warranted. This change continues to meet NRC requirements as described in 10 CFR 50.47(b)(10) because a range of protective actions continues to be developed for emergency workers.

The changes described continue to meet NRC requirements as described in 10 CFR 50.47(b) and 10 CFR 50, Appendix E.

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Part IV. Description of Emergency Plan Planning Standards, Functions and Program Elements Affected by the Proposed Change (Address each function identified in Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part IV of associated Screen):

Planning Standard 10 CFR 50.47(b)(10) A range of protective actions has been developed for the plume exposure pathway EPZ for emergency workers and the public. In developing this range of actions, consideration has been given to evacuation, sheltering, and, as a supplement to these, the prophylactic use of potassium iodide (KI), as appropriate. Evacuation time estimates have been developed by applicants and licensees. Licensees shall update the evacuation time estimates on a periodic basis. Guidelines for the choice of protective actions during an emergency, consistent with Federal guidance, are developed and in place, and protective actions for the ingestion exposure pathway EPZ appropriate to the locale have been developed.

Emergency Plan Planning Function 10c - A range of protective actions is available for plant emergency workers during emergencies, including those for hostile action events.

Program Elements from NUREG-0654 II.J

1. Each licensee shall establish the means and time required to warn or advise onsite individuals and individuals who may be in areas controlled by the operator, including:

1.a. Employees not having emergency assignments;

1.b. Visitors;

1.c. Contractor and construction personnel; and

1.d. Other persons who may be in the public access areas on or passing through the site or within the owner controlled area.

4. Each licensee shall provide for the evacuation of onsite non-essential personnel in the event of a Site or General Emergency and shall provide a decontamination capability at or near the monitoring point specified in J.3.

5. Each licensee shall provide for a capability to account for all individuals onsite at the time of the emergency and ascertain the names of missing individuals within 30 minutes of the start of an emergency and account for all onsite individuals continuously thereafter.

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**Part V. Description of Impact of the Proposed Change on the Effectiveness of Emergency Plan Functions:**

MNS Emergency Plan Implementing Procedure (EPIP) for conducting a site assembly is being revised to remove requirement to conduct a site assembly when an Alert is declared. This is being revised to align with the Duke Energy fleet on when Site Assembly is required. Site Assembly is being performed to account for all on-site individuals during an Emergency when hazards could exist. On-site workers will continue to be protected from on-site hazards during Alert conditions as directed by MNS Emergency and Abnormal Operating Procedures. MNS site maintains the ability to initiate site assembly if SM determines site assembly is warranted. MNS continues to provide for a capability to account for all individuals onsite at the time of an emergency and evacuate non-essential personnel as required by MNS Emergency Plan. This change does not affect the function of protective response because a range of protective actions is available for plant emergency workers during emergencies, including those for hostile action events.

The changes described provide assurance that the normal plant operating organization and ERO has the ability and capability to:

- respond to an emergency;
- perform functions in a timely manner;
- effectively identify and take measures to ensure protection of the public health and safety; and
- effectively use response equipment and emergency response procedures.

Thus, there is no reduction in effectiveness of the Emergency Plan.

**Part VI. Evaluation Conclusion.**

Answer the following questions about the proposed change.

1	Does the proposed change comply with 10 CFR 50.47(b) and 10 CFR 50 Appendix E?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2	Does the proposed change maintain the effectiveness of the emergency plan (i.e., no reduction in effectiveness)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
3	Does the proposed change maintain the current Emergency Action Level (EAL) scheme?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
4	Choose one of the following conclusions:		
a	The activity does continue to comply with the requirements of 10 CFR 50.47(b) and 10 CFR 50, Appendix E, and the activity does not constitute a reduction in effectiveness or change in the current Emergency Action Level (EAL) scheme. Therefore, the activity can be implemented without prior NRC approval.	<input checked="" type="checkbox"/>	
b	The activity does not continue to comply with the requirements of 10 CFR 50.47(b) or 10 CFR 50 Appendix E or the activity does constitute a reduction in effectiveness or EAL scheme change. Therefore, the activity cannot be implemented without prior NRC approval.	<input type="checkbox"/>	

**Part VII. Disposition of Proposed Change Requiring Prior NRC Approval**

Will the proposed change determined to require prior NRC approval be either revised or rejected?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
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If No, then initiate a License Amendment Request in accordance 10 CFR 50.90, AD-LS-ALL-0002, Regulatory Correspondence, and AD-LS-ALL-0015, License Amendment Request and Changes to SLC, TRM, and TS Bases, and include the tracking number:\_\_\_\_\_.

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Part VIII. Signatures: EP CFAM Final Approval is required for changes affecting risk significant planning standard 10 CFR 50.47(b)(4) (i.e., Emergency Action Levels and Emergency Action Level Bases). If CFAM approval is <b>NOT</b> required, then mark the CFAM signature block as not applicable (N/A) to indicate that signature is not required.		
Preparer Name (Print): Matthew Nelson	Preparer Signature: See CAS	Date: See CAS
Reviewer Name (Print): Renard Burris	Reviewer Signature: See CAS	Date: See CAS
Approver (Manager, Nuclear Support Services) Name (Print): James Smith	Approver Signature: See CAS	Date: See CAS
Approver (CFAM, as required) Name (Print): N/A	Approver Signature: N/A	Date: N/A
<p>If the proposed activity is a change to the E-Plan, then initiate PRRs. <span style="float:right"><input type="checkbox"/></span></p> <p>If the proposed activity is a change to the E-Plan, then create two EREG General Assignments.</p> <p>If required by Section 5.6, Submitting Reports of Changes to the NRC, then create two EREG General Assignments.</p> <ul style="list-style-type: none"> <li>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. <span style="float:right"><input type="checkbox"/></span></li> <li>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. <span style="float:right"><input type="checkbox"/></span></li> </ul>		

QA RECORD