

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

ATTACHMENT 5  
Page 1 of 7

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

Screening and Evaluation Number		Applicable Sites	
EREG #: <u>02279020</u>		BNP	<input type="checkbox"/>
		CNS	<input type="checkbox"/>
		CR3	<input type="checkbox"/>
		HNP	<input type="checkbox"/>
5AD #: <u>02278952</u>		MNS	<input checked="" type="checkbox"/>
		ONS	<input type="checkbox"/>
		RNP	<input type="checkbox"/>
		GO	<input type="checkbox"/>
Document and Revision	Emergency Plan Section E 19-01		

**Part I. Description of Proposed Change:**

Change #	Plan Section	Current Revision	Proposed Revision	Reason
2	Section E Section E.2.b, E.2.c, and E.2.d	The Emergency Coordinator shall augment on-site resources by notification and activation of the Emergency Response Organization in accordance with McGuire Nuclear Site Emergency Planning Group Manual Section 1.1.	The Emergency Coordinator shall augment on-site resources by notification and activation of the Emergency Response Organization in accordance with McGuire Nuclear Site Emergency Plan Section B.	Changed '... in accordance with McGuire Nuclear Site Emergency Planning Group Manual Section 1.1' to '... in accordance with McGuire Nuclear Site Emergency Plan Section B'. McGuire Nuclear Site Emergency Planning Group Manual Section 1.1 being superseded to AD-EP-ALL-0103, AD-EP-ALL-0105 and AD-EP-ALL-0106.
3	Section E Section E.2.d	The Emergency Coordinator shall make Protective Action Recommendations in accordance with MNS Emergency Plan Section J (Protective Response) and shall make follow up protective action recommendations as soon as possible.	The Emergency Coordinator shall make Protective Action Recommendations in accordance with AD-EP-ALL-0109, Offsite Protective Action Recommendations, and shall make follow up protective action recommendations as soon as possible.	Changes that PARs are developed in accordance with MNS Emergency Plan Section J to in accordance with AD-EP-ALL-0109, Offsite Protective Action Recommendations.

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

ATTACHMENT 5

Page 2 of 7

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

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"/>
--	--

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

**Licensing Basis**

McGuire Emergency Plan Change 2 (dated February 13, 1981)

**Current Emergency Plan**

Emergency Plan, Revision 18-3

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):

Change 2 - Changed '... in accordance with McGuire Nuclear Site Emergency Planning Group Manual Section 1.1' to '... in accordance with McGuire Nuclear Site Emergency Plan Section B'. McGuire Nuclear Site Emergency Planning Group Manual Section 1.1 being superseded to AD-EP-ALL-0103, AD-EP-ALL-0105 and AD-EP-ALL-0106 in Section B of the Emergency Plan. Emergency Plan Section B (On-Site Emergency Organization) continues to assign ERO responsibilities and staffing requirements. The emergency responsibilities of the various supporting organizations have been specifically established, and each principal response organization has the staff to respond and to augment its initial response on a continuous basis. The process for timely augmentation of onshift staff continues to be maintained as described in Emergency Plan Section B. Thus, the Emergency Plans will continue to comply with 10 CFR 50.47(b)(1) - Assignment of Responsibility (Organization Control), 10 CFR 50.47(b)(2) - Onsite Emergency Organization and 10 CFR Part 50 Appendix E, Section IV.A Organization.

Change 3 - Changed 'The Emergency Coordinator shall make Protective Action Recommendations in accordance with MNS Emergency Plan Section J (Protective Response) and shall make follow up protective action recommendations as soon as possible.' to 'The Emergency Coordinator shall make Protective Action Recommendations in accordance with AD-EP-ALL-0109, Offsite Protective Action Recommendations, and shall make follow up protective action recommendations as soon as possible.' Protective Action Recommendations (PARs) continue to be developed for the plume exposure pathway EPZ for emergency workers and the public, as described in Section J of the Emergency Plan (Protective Response), using procedure AD-EP-ALL-0109. Thus, the Emergency Plans will continue to comply with 10 CFR 50.47(b)(10) Protective Response and 10 CFR Part 50 Appendix E, Section IV.D. Notification Procedures.

The differences in approved revisions and the current revisions of the Emergency Plans have been reviewed, and they have been determined to continue to meet NRC requirements as described in 10 CFR 50.47(b) and 10 CFR 50, Appendix E during the course of revisions.

## &lt;&lt; 10 CFR 50.54(q) Effectiveness Evaluation Form &gt;&gt;

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):

10CFR50.47(b)(1) – Assignment of Responsibility (Organization Control)

Primary responsibilities for emergency response by the nuclear facility licensee and by State and local organizations within the Emergency Planning Zones have been assigned, the emergency responsibilities of the various supporting organizations have been specifically established, and each principal response organization has staff to respond and to augment its initial response on a continuous basis.

10CFR50.47(b)(2) - Onsite Emergency Organization

On-shift facility licensee responsibilities for emergency response are unambiguously defined, adequate staffing to provide initial facility accident response in key functional areas is maintained at all times, timely augmentation of response capabilities is available and the interfaces among various onsite response activities and offsite support and response activities are specified.

10CFR50 Appendix E.IV.A. Organization

The organization for coping with radiological emergencies shall be described, including definition of authorities, responsibilities, and duties of individuals assigned to the licensee's emergency organization and the means for notification of such individuals in the event of an emergency. Specifically, the following shall be included:

...

2. A description of the onsite emergency response organization (ERO) with a detailed discussion of:
  - a. Authorities, responsibilities, and duties of the individual(s) who will take charge during an emergency;
  - b. Plant staff emergency assignments;
  - c. Authorities, responsibilities, and duties of an onsite emergency coordinator who shall be in charge of the exchange of information with offsite authorities responsible for coordinating and implementing offsite emergency measures.
3. A description, by position and function to be performed, of the licensee's headquarters personnel who will be sent to the plant site to augment the onsite emergency organization.

The associated EP Functions are –

Function 1a, "Responsibility for emergency response is assigned."

Function 1b, "The response organization has the staff to respond and to augment staff on a continuing basis (i.e., 24/7 support) in accordance with the emergency plan."

Function 2b, "The process for timely augmentation of onshift staff is established and maintained."

Program Elements NUREG-0654 –

Section II.A - Assignment of Responsibility (Organization Control)

A.1.e. Each organization shall provide for 24 hour per day emergency response, including 24-hour per day manning of communications links.

A.2.a. Each organization shall specify the functions and responsibilities for major elements and key individuals by title, of emergency response, including the following: Command and Control, Alerting and Notification, Communications, Public Information, Accident Assessment, Public Health and Sanitation, Social Services, Fire and Rescue, Traffic Control, Emergency Medical Services, Law Enforcement, Transportation, Protective Response (including authority to request Federal assistance and to initiate other protective actions), and Radiological Exposure Control. The description of these functions shall include a clear and concise summary such as a table of

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

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

primary and support responsibilities using the agency as one axis, and the function as the other. (See Section B for licensee).

**Section II.B - Onsite Emergency Organization**

B.1. Each licensee shall specify the onsite emergency organization of plant staff personnel for all shifts and its relation to the responsibilities and duties of the normal staff complement.

B.5. Each licensee shall specify the positions or title and major tasks to be performed by the persons to be assigned to the functional areas of emergency activity. For emergency situations, specific assignments shall be made for all shifts and for plant staff members, both onsite and away from the site. These assignments shall cover the emergency functions in Table B-1 entitled, "Minimum Staffing Requirements for Nuclear Power Plant Emergencies." The minimum on-shift staffing levels shall be as indicated in Table B-1. The licensee must be able to augment on-shift capabilities within a short period after declaration of an emergency. This capability shall be as indicated in Table B-1. The implementation schedule for licensed operators, auxiliary operators and the shift technical advisor on shift shall be as specified in the July 31, 1980 letter to all power reactor licensees. Any deficiencies in the other staffing requirements of Table B-1 must be capable of augmentation within 30 minutes by September 1, 1981, and such deficiencies must be fully removed by July 1, 1982.

**10 CFR 50.47(b)(10) - Protective Response**

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.

**10CFR50 Appendix E.IV.D. Notification Procedures**

1. Administrative and physical means for notifying local, State, and Federal officials and agencies and agreements reached with these officials and agencies for the prompt notification of the public and for public evacuation or other protective measures, should they become necessary, shall be described. This description shall include identification of the appropriate officials, by title and agency, of the State and local government agencies within the EPZs.

The associated EP Function is Function 10a, "A range of public PARs is available for implementation during emergencies."

**Program Elements NUREG-0654 Section II.J. - Protective Response**

J.7. Each licensee shall establish a mechanism for recommending protective actions to the appropriate State and local authorities. These shall include Emergency Action Levels corresponding to projected dose to the population-at-risk, in accordance with Appendix 1 and with the recommendations set forth in Tables 2.1 and 2.2 of the Manual of Protective Action Guides and Protective Actions for Nuclear Incidents (EPA-520/1-75-001). As specified in Appendix 1, prompt notification shall be made directly to the offsite authorities responsible for implementing protective measures within the plume exposure pathway Emergency Planning Zone.

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

Change 2 - Changed '... in accordance with McGuire Nuclear Site Emergency Planning Group Manual Section 1.1' to '... in accordance with McGuire Nuclear Site Emergency Plan Section B'. McGuire Nuclear Site Emergency Planning Group Manual Section 1.1 being superseded to AD-EP-ALL-0103, AD-EP-ALL-0105 and AD-EP-ALL-

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

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

0106 in Section B of the Emergency Plan. Emergency Plan Section B (On-Site Emergency Organization) continues to assign ERO responsibilities and staffing requirements. The emergency responsibilities of the various supporting organizations have been specifically established, and each principal response organization has the staff to respond and to augment its initial response on a continuous basis. The process for timely augmentation of onshift staff continues to be maintained as described in Emergency Plan Section B.

Change 3 – Changed ‘The Emergency Coordinator shall make Protective Action Recommendations in accordance with MNS Emergency Plan Section J (Protective Response) and shall make follow up protective action recommendations as soon as possible.’ to ‘The Emergency Coordinator shall make Protective Action Recommendations in accordance with AD-EP-ALL-0109, Offsite Protective Action Recommendations, and shall make follow up protective action recommendations as soon as possible.’ Protective Action Recommendations (PARs) continue to be developed for the plume exposure pathway EPZ for emergency workers and the public, as described in Section J of the Emergency Plan (Protective Response), using procedure AD-EP-ALL-0109.

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.

The changes described do not reduce the effectiveness of the McGuire Nuclear Station Emergency Plan, as written and approved; and continue to meet NRC requirements, as described in 10 CFR 50.47(b) and 10 CFR 50, Appendix E.

**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"/>
--	------------------------------	-----------------------------

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

ATTACHMENT 5  
Page 6 of 7

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

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: \_\_\_\_\_.

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

ATTACHMENT 5  
Page 7 of 7

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

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): 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
<p>If the proposed activity is a change to the E-Plan, then initiate PRRs.</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.</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.</li> </ul>		<input type="checkbox"/>          <input checked="" type="checkbox"/>  <input checked="" type="checkbox"/>

QA RECORD