EMERGENCY PLAN CHANGE SCREENING AND	AD-EP-ALL-0602
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Screening and Evaluation Number		Applicable Sites	Applicable Sites		
			BNP		
EREG #: _02279026			CNS		
				CR3	
				HNP	
				MNS	
5AD #: 022	278957			ONS	
07.12 ;;; <u></u>				RNP	
				GO	
Document an	d Revision	Emergency Plan Sec	 ction J 19-01		
Part I Descri	otion of Proposed Ch	nange.			
Change #	Plan Section	Current Revision	Proposed Revision	Reason	
1	Section J.7	Protective Action	Protective Action Guide		wn in
	Second	Guides are adopted	are adopted from EPA	Figure J-1' and Figure	
	paragraph	from EPA 400-R-92-	400-R-92-001 and in th	e and reference proced	lure
		001 and in the State	State Plan guidance on	AD-EP-ALL-0109 wh	ich
		Plan guidance on the	the use of KI. A	contains the same flo	W
		use of KI and are	flowchart to aid the	chart as previously sl	nown
		shown in Figure J-1. A	Emergency	in Figure J-1.	
		flowchart to aid the	Coordinator/EOF		
		Emergency	Director in making		
		Coordinator/EOF	Protective Action		
		Director in making	Recommendations is		
		Protective Action	also shown in Procedur	е	
		Recommendations is	AD-EP-ALL-0109, Off		
		also shown in Figure	Site Protective Actions		
		J-1. {PIP-G-03-606}	Recommendations. {PIP-G-03-606}		
2	Section J.7 Fifth	These dose	These dose	Deleted 'in Figure J-1	' and
	paragraph	projections are	projections are	reference procedure	
		compared to the	compared to the	EP-ALL-0109 which	
		Protective Action	Protective Action Guide	s contains the same flo	W
		Guides in Figure J-1,	in Procedure AD-EP-	chart as previously sh	nown
		which are derived from	ALL-0109, Off Site	in Figure J-1.	
		the "Manual of	Protective Actions		
		Protective Action	Recommendations,		
		Guides and Protective	which are derived from		
		Actions for Nuclear	the "Manual of		
		Incidents" (EPA-400-	Protective Action Guide	s	
		R-92-001) and in the	and Protective Actions		
		State Plan guidance	for Nuclear Incidents"		
		on use of KI	(EPA-400-R-92-001)		
			and in the State Plan		
			guidance on use of KI.		

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4	Section J.10.a	Figures J-1 and 2 describe the EPZ's,	Procedure AD-EP-ALL- 0109, Off Site Protective Actions Recommendations and Figures J-2 describe the EPZ's,	Added procedure ALL-0109, Off Si Protective Action Recommendation removed Figure	te s ns,	D _
6	Section J.10.m	Figure J-1 describes the considerations used by Duke management in developing protective action recommendations.	Procedure AD-EP-ALL- 0109, Off Site Protective Actions Recommendations describes the considerations used by Duke management in developing protective action recommendations.	Removed proced guidance from Er Plan and referend applicable proced EP-ALL-0109, Of Protective Action Recommendation	mergen ce dure AD f Site s	су
7	Figure J-1	PAR Flow Chart	Deleted	Figure J-1 contai same information Procedure AD-EF 0109, Off Site Pro Actions Recomm Attachment 4.	i as P-ALL- otective	e
					Yes No	■

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 1 – Changed Section J.7 Second paragraph from "Protective Action Guides are adopted from EPA 400-R-92-001 and in the State Plan guidance on the use of KI and are shown in Figure J-1. A flowchart to aid the Emergency Coordinator/EOF Director in making Protective Action Recommendations is also shown in Figure J-1. {PIP-G-03-606}" to "Protective Action Guides are adopted from EPA 400-R-92-001 and in the State Plan guidance on the use of KI. A flowchart to aid the Emergency Coordinator/EOF Director in making Protective Action Recommendations is also shown in Procedure AD-EP-ALL-0109, Off Site Protective Actions Recommendations. {PIP-G-03-606}". Deleted 'and are shown in Figure J-1' and Figure J-1 and reference procedure AD-EP-ALL-0109 which contains the same flow chart as previously shown in Figure J-1. 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

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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.

Change 2 – Changed Section J.7 Fifth paragraph from "... These dose projections are compared to the Protective Action Guides in Figure J-1, which are derived from the "Manual of Protective Action Guides and Protective Actions for Nuclear Incidents" (EPA-400-R-92-001) and in the State Plan guidance on use of KI. ..." to "... These dose projections are compared to the Protective Action Guides in Procedure AD-EP-ALL-0109, Off Site Protective Actions Recommendations, which are derived from the "Manual of Protective Action Guides and Protective Actions for Nuclear Incidents" (EPA-400-R-92-001) and in the State Plan guidance on use of KI.". Deleted 'in Figure J-1' and reference procedure AD-EP-ALL-0109 which contains the same flow chart as previously shown in Figure J-1. 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.

Change 4 – Changed Section J.10.a from "Figures J-1 and 2 describe the EPZ's, …" to "Procedure AD-EP-ALL-0109, Off Site Protective Actions Recommendations and Figures J-2 describe the EPZ's, …". Added procedure AD-EP-ALL-0109, Off Site Protective Actions Recommendations, removed Figure J-1. 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.

Change 6 – Changed Section J.10.m from "Figure J-1 describes the considerations used by Duke management in developing protective action recommendations." to "Procedure AD-EP-ALL-0109, Off Site Protective Actions Recommendations describes the considerations used by Duke management in developing protective action recommendations." Removed procedure level guidance from Emergency Plan and reference applicable procedure AD-EP-ALL-0109, Off Site Protective Actions Recommendations. 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.

Change 7 – Deleted Figure J-1 as it contains the same information as Procedure AD-EP-ALL-0109, Off Site Protective Actions Recommendations Attachment 4. 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.

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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):

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 1 – Changed Section J.7 Second paragraph from "Protective Action Guides are adopted from EPA 400-R-92-001 and in the State Plan guidance on the use of KI and are shown in Figure J-1. A flowchart to aid the Emergency Coordinator/EOF Director in making Protective Action Recommendations is also shown in Figure J-1. {PIP-G-03-606}" to "Protective Action Guides are adopted from EPA 400-R-92-001 and in the State Plan guidance on the use of KI. A flowchart to aid the Emergency Coordinator/EOF Director in making Protective Action Recommendations is also shown in Procedure AD-EP-ALL-0109, Off Site Protective Actions Recommendations. {PIP-G-03-606}". Deleted 'and are shown in Figure J-1' and Figure J-1 and reference procedure AD-EP-ALL-0109 which contains the same flow chart as previously shown in Figure J-1. 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.

Change 2 – Changed Section J.7 Fifth paragraph from "... These dose projections are compared to the Protective Action Guides in Figure J-1, which are derived from the "Manual of Protective Action Guides and Protective Actions for Nuclear Incidents" (EPA-400-R-92-001) and in the State Plan guidance on use of Kl. ..." to "... These dose

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projections are compared to the Protective Action Guides in Procedure AD-EP-ALL-0109, Off Site Protective Actions Recommendations, which are derived from the "Manual of Protective Action Guides and Protective Actions for Nuclear Incidents" (EPA-400-R-92-001) and in the State Plan guidance on use of KI.". Deleted 'in Figure J-1' and reference procedure AD-EP-ALL-0109 which contains the same flow chart as previously shown in Figure J-1. 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.

Change 4 – Changed Section J.10.a from "Figures J-1 and 2 describe the EPZ's, ..." to "Procedure AD-EP-ALL-0109, Off Site Protective Actions Recommendations and Figures J-2 describe the EPZ's, ...". Added procedure AD-EP-ALL-0109, Off Site Protective Actions Recommendations, removed Figure J-1. 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.

Change 6 – Changed Section J.10.m from "Figure J-1 describes the considerations used by Duke management in developing protective action recommendations." to "Procedure AD-EP-ALL-0109, Off Site Protective Actions Recommendations describes the considerations used by Duke management in developing protective action recommendations." Removed procedure level guidance from Emergency Plan and reference applicable procedure AD-EP-ALL-0109, Off Site Protective Actions Recommendations. 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.

Change 7 – Deleted Figure J-1 as it contains the same information as Procedure AD-EP-ALL-0109, Off Site Protective Actions Recommendations Attachment 4. 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.

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Pa	rt VI. Evaluation Conclusion.		
An	swer 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 ■	No □
2	Does the proposed change maintain the effectiveness of the emergency plan (i.e., no reduction in effectiveness)?	Yes ■	No 🗆
3	Does the proposed change maintain the current Emergency Action Level (EAL) scheme?	Yes ■	No □
4	Choose one of the following conclusions:		
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.		•	
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.			
Part VII. Disposition of Proposed Change Requiring Prior NRC Approval			
	Il the proposed change determined to require prior NRC approval be either revised or ected?	Yes □	No □
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 NOT 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 C	
Reviewer Name (Print): See CAS	Reviewer Signature: See CAS	Date: See C	
Approver (Manager, Nuclear Support Services) Name (Print): See CAS	Approver Signature: See CAS	Date: See C	
Approver (EP CFAM, as required) Name (Print): See CAS	Approver Signature: See CAS	Date: See C	
If the proposed activity is a change to the E-Pl	lan, then initiate PRRs.	ļ	
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