

Duke Power Company  
McGuire Nuclear Generation Department  
12700 Hagers Ferry Road (MG01VP)  
Huntersville, NC 28078-8985

T. C. McMEEKIN  
Vice President  
(704)875-4800  
(704)875-4809 Fax



**DUKE POWER**

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Document Control Desk  
U S Nuclear Regulatory Commission  
Washington, DC 20555

Subject: McGuire Nuclear Site, Docket Nos. 50-369, -370  
Submission of Section D, McGuire Nuclear Site Emergency Plan  
Adoption of NUMARC/NESP-007, Rev. 2 Classification Scheme

Duke Power Company is submitting the classification scheme provided in NUMARC/NESP-007, Rev. 2, for McGuire Nuclear Site. Approval of the submittal is requested prior to final implementation. A table showing the disposition of NUMARC/NESP-007, Rev. 2 Initiating Conditions and Emergency Action Levels (EAL) in the McGuire EAL submittal is enclosed. A BASIS document is provided which cross-references the initiating conditions described in the NUMARC document. A copy of the classification procedure is also enclosed. This procedure has been reviewed by the state and local governments within the plume exposure EPZ. Their concurrence letters are enclosed. If there are any questions regarding the submittal, please contact Becky Hasty at (704) 875-4662.

Yours truly,

T. C. McMeekin

TCM/emk

- Enclosures:
- 1) Disposition of NUMARC/NESP-007, Rev. 2 Initiating Conditions and Emergency Action Levels (EAL) in the McGuire EAL submittal
  - 2) McGuire Emergency Plan Section D
  - 3) McGuire Procedure RP/0/A/5700/00
  - 4) State and County concurrence letters

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bcc: R. L. Hasty (w/ attachment)  
E. M. Kuhr (w/ attachment)  
ELL  
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**ENCLOSURE 1**

**Disposition of NUMARC/NESP-007, Rev. 2  
Initiating Conditions and Emergency Action Levels (EAL)  
in McGuire EAL submittal**

## Disposition of NUMARC/NESP-007, Rev. 2 IC/EAL in McGuire EAL Submittal

<b>NUMARC IC/EAL</b>	<b>McGuire EAL Recognition Category and EAL Number</b>
<i>Recognition Category A</i>	
AU1/1	Abnormal Rad Levels/Radiological Effluent 4.3.U.1-1 and -2
AU1/2	Abnormal Rad Levels/Radiological Effluent 4.3.U.1-3 and -4
AU1/3	Deleted -- McGuire does not have perimeter monitors
AU1/4	Deleted -- McGuire does not have real time dose assessment
AU2/1	Abnormal Rad Levels/Radiological Effluent 4.3.U.2-1
AU2/2	Abnormal Rad Levels/Radiological Effluent 4.3.U.2-2
AU2/3	Deleted -- McGuire does not have dry fuel storage
AU2/4	Abnormal Rad Levels/Radiological Effluent 4.3.U.2-3
AA1/1	Abnormal Rad Levels/Radiological Effluent 4.3.A.1-1 and -2
AA1/2	Abnormal Rad Levels/Radiological Effluent 4.3.A.1-3 and -4
AA1/3	Deleted -- McGuire does not have perimeter monitors
AA1/4	Deleted -- McGuire does not have real time dose assessment
AA2/1	Abnormal Rad Levels/Radiological Effluent 4.3.A.2-1
AA2/2	Abnormal Rad Levels/Radiological Effluent 4.3.A.2-2
AA2/3	Abnormal Rad Levels/Radiological Effluent 4.3.A.2-3
AA2/4	Abnormal Rad Levels/Radiological Effluent 4.3.A.2-2
AA3/1	Abnormal Rad Levels/Radiological Effluent 4.3.A.3-1
AA3/2	Abnormal Rad Levels/Radiological Effluent 4.3.A.3-2
AS1/1	Abnormal Rad Levels/Radiological Effluent 4.3.S.1-1
AS1/2	Deleted -- McGuire does not have perimeter monitors
AS1/3	Abnormal Rad Levels/Radiological Effluent 4.3.S.1-2
AS1/4	Abnormal Rad Levels/Radiological Effluent 4.3.S.1-3
AG1/1	Abnormal Rad Levels/Radiological Effluent 4.3.G.1-1
AG1/2	Deleted -- McGuire does not have perimeter monitors
AG1/3	Abnormal Rad Levels/Radiological Effluent 4.3.G.1-2
AG1/4	Abnormal Rad Levels/Radiological Effluent 4.3.G.1-3

## Disposition of NUMARC/NESP-007, Rev. 2 IC/EAL in McGuire EAL Submittal

<b>NUMARC IC/EAL</b>	<b>McGuire EAL Recognition Category and EAL Number</b>
<i>Recognition Category F</i>	
FPB Fuel/1	Fission Product Barrier 4.1.F.1
FPB Fuel/2	Fission Product Barrier 4.1.F.2
FPB Fuel/3	Deleted -- Core exit thermocouples are monitored as part of Critical Safety Function (CSF) status. If the OAC is not available, manual monitoring is done per EP/1 or 2/A/5000/10 and will be used to classify.
FPB Fuel/4	Deleted -- Reactor Vessel level is monitored as part of CSF status. If the OAC is not available, manual monitoring is done per EP/1 or 2/A/5000/10 and will be used to classify.
FPB Fuel/5	Fission Product Barrier 4.1.F.3
FPB Fuel/6	Deleted -- McGuire does not believe additional indications are needed to determine Fuel Clad Barrier status. Air sampling (PAGS) results are not used, as containment monitors can be used to determine Fuel Clad status.
FPB Fuel/7	Fission Product Barrier 4.1.F.4
FPB RCS/1	Fission Product Barrier 4.1.N.1
FPB RCS/2	Fission Product Barrier 4.1.N.2
FPB RCS/3	Fission Product Barrier 4.1.N.3 Note: The classification procedure does not provide site specific criteria that a steam generator is ruptured. Duke Power's philosophy is that diagnostic information of this type belongs in the Emergency Operating Procedures. Once the Emergency Coordinator/EOF Director determines that a steam generator is ruptured, the classification procedure can be used to determine the correct classification.
FPB RCS/4	Fission Product Barrier 4.1.N.4
FPB RCS/5	Deleted -- McGuire does not believe additional indications are needed to determine Reactor Coolant System Barrier status. Air sampling (PAGS) results are not used, as containment monitors can be used to determine Reactor Coolant System Barrier status.
FPB RCS/6	Fission Product Barrier 4.1.N.5
FPB Containment/1	Fission Product Barrier 4.1.C.1
FPB Containment/2	Fission Product Barrier 4.1.C.2
FPB Containment/3	Fission Product Barrier 4.1.C.3
FPB Containment/4	Fission Product Barrier 4.1.C.4
FPB Containment/5	Fission Product Barrier 4.1.C.5
FPB Containment/6	Fission Product Barrier 4.1.C.6 Core exit thermocouples are monitored as part of CSF status. If the OAC is not available, manual monitoring is done per EP/1 or 2/A/5000/10 and will be used to classify.
FPB Containment/7	Deleted -- no additional indications needed
FPB Containment/8	Fission Product Barrier 4.1.C.7

## Disposition of NUMARC/NESP-007, Rev. 2 IC/EAL in McGuire EAL Submittal

<b>NUMARC IC/EAL</b>	<b>McGuire EAL Recognition Category and EAL Number</b>
<i>Recognition Category H</i>	
HU1/1	Natural Disasters, Hazards, etc. 4.7.U.1-1 and -2
HU1/2	Natural Disasters, Hazards, etc. 4.7.U.1-3
HU1/3	Deleted -- McGuire considers this redundant to Emergency Director Judgement
HU1/4	Natural Disasters, Hazards, etc. 4.7.U.1-4
HU1/5	Fire and Security 4.6.U.1-2
HU1/6	Natural Disasters, Hazards, etc. 4.7.U.1-5
HU1/7	Deleted -- McGuire believes no additional items are needed based on currently approved EALs
HU2/1	Fire and Security 4.6.U.1-1
HU3/1	Natural Disasters, Hazards, etc. 4.7.U.2-1
HU3/2	Natural Disasters, Hazards, etc. 4.7.U.2-2
HU4/1	Fire and Security 4.6.U.2-1
HU4/2	Fire and Security 4.6.U.1-2 and -3
HU5/1	Natural Disasters, Hazards, etc. 4.7.U.3-1
HA1/1	Natural Disasters, Hazards, etc. 4.7.A.1-1
HA1/2	Natural Disasters, Hazards, etc. 4.7.A.1-2
HA1.3	Natural Disasters, Hazards, etc. 4.7.A.1-3
HA1/4	Natural Disasters, Hazards, etc. 4.7.A.1-3
HA1/5	Natural Disasters, Hazards, etc. 4.7.A.1-3
HA1/6	Natural Disasters, Hazards, etc. 4.7.A.1-3
HA1/7	Natural Disasters, Hazards, etc. 4.7.A.1-3
HA2/1	Fire and Security 4.6.A.1-1
HA3/1	Natural Disasters, Hazards, etc. 4.7.A.2-1
HA3/2	Natural Disasters, Hazards, etc. 4.7.A.2-2
HA4/1	Fire and Security 4.6.A.2-1
HA4/2	Deleted -- McGuire believes no others necessary based on currently approved EALs
HA5/1	Natural Disasters, Hazards, etc. 4.7.A.3-1
HA6/1	Natural Disasters, Hazards, etc. 4.7.A.4-1
HS1/1	Fire and Security 4.6.S.1-1
HS1/2	Fire and Security 4.6.S.1-2 and -3
HS2/1	Natural Disasters, Hazards, etc. 4.7.S.1-1
HS3/1	Natural Disasters, Hazards, etc. 4.7.S.2-1
HG1/1	Fire and Security 4.6.G.1-1
HG1/2	Fire and Security 4.6.G.1-2
HG2/1	Natural Disasters, Hazards, etc. 4.7.G.1-1

## Disposition of NUMARC/NESP-007, Rev. 2 IC/EAL in McGuire EAL Submittal

<b>NUMARC IC/EAL</b>	<b>McGuire EAL Recognition Category and EAL Number</b>
<i>Recognition Category S</i>	
SU1/1	Loss of Power 4.5.U.1-1
SU2/1	System Malfunction 4.2.U.1-1
SU3/1	System Malfunction 4.2.U.2-1
SU4/1	Deleted -- McGuire has no failed fuel monitor. Reactor coolant sampling is used to determine fuel clad degradation.
SU4/2	System Malfunction 4.2.U.3-1
SU5/1	System Malfunction 4.2.U.4-1, -2, and -3
SU6/1	System Malfunction 4.2.U.5-1 and -2
SU7/1	Loss of Power 4.5.U.2-1
SA1/1	Loss of Power 4.5.A.1-1
SA2/1	Loss of Shutdown Function 4.4.A.1-1
SA3/1	Loss of Shutdown Function 4.4.A.2-1 and -2
SA4/1	System Malfunction 4.2.A.1-1
SA5/1	Loss of Power 4.5.A.2-1
SS1/1	Loss of Power 4.5.S.1-1
SS2/1	Loss of Shutdown Function 4.4.S.1-1
SS3/1	Loss of Power 4.5.S.2-1
SS4/1	Loss of Shutdown Function 4.4.S.2-1, -2, and -3
SS5/1	Loss of Shutdown Function 4.4.S.3-1, -2, and -3
SS6/1	System Malfunction 4.2.S.1-1
SG1/1	Loss of Power 4.5.G.1-1
SG2/1 and 2	Loss of Shutdown Function 4.4.G.1-1