

414 Nicollet Mall
Minneapolis, MN 55401

800.895.4999
xcelenergy.com



January 14, 2019

L-XE-19-001
10 CFR 50.54(q)(5)
10 CFR 72.44(f)

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Prairie Island Nuclear Generating Plant,
Units 1 and 2
Dockets 50-282 and 50-306
Renewed Facility Operating License Nos.
DPR-42 and DPR-60

Monticello Nuclear Generating Plant
Dockets 50-263 and 72-58
Renewed Facility Operating License
No. DPR-22

Prairie Island Independent Spent Fuel
Storage Installation
Docket 72-10
Materials License No. SNM-2506

Offsite Nuclear Emergency Plan Revision

As required by 10 CFR 50.54(q)(5) and 10 CFR 72.44(f), Northern States Power Company, a Minnesota corporation (NSPM), d/b/a Xcel Energy, hereby submits the enclosed summary of a completed 10 CFR 50.54(q) change evaluation for a revision to the corporate Offsite Nuclear Emergency Plan (Enclosure 1). In addition, the revision to the corporate Offsite Nuclear Emergency Plan is enclosed (Enclosure 2). This revision has been reviewed and does not result in a reduction in the effectiveness of the Emergency Plan.

Summary of Commitments

This letter makes no new commitments and no revisions to existing commitments.


Martin C. Murphy
Director, Nuclear Licensing and Regulatory Services
Northern States Power Company – Minnesota

Enclosures (2)

cc: Director, Division of Spent Fuel Storage and Transportation, NMSS
Administrator, USNRC, Region III
Project Manager, Monticello and Prairie Island, USNRC
Resident Inspector, Monticello, USNRC
Resident Inspector, Prairie Island, USNRC

ENCLOSURE 1

**FP-EP-PLAN-01, Revision 8, Offsite Nuclear Emergency Plan Change Summary Analysis
10 CFR 50.54(q)(5)**

2 pages follow

Change (#) Change 1**Description:**

This change is a technological upgrade to the existing conference call mass notification system. The upgrade is to switch to the Everbridge conference call mass notification system from the Mission Mode conference call mass notification system having features like for like or enhanced capabilities.

Doc ID or (Procedure Number) / Revision Number: FP-EP-PLAN-01 /8

Document Title: Offsite Nuclear Emergency Plan

Evaluation Determination:

This change does not impact the timeliness or availability of the offsite ERO staff. Everbridge provides a like for like functionality, there is no impact to the overall timeliness, accuracy, or reliability of the conference call mass notification system established by Everbridge.

The changes do not result in a reduction in effectiveness.

Change (#) Change 2**Description:**

This is an editorial title change from "Mission Mode Calls" to "conference calls using the mass notification application".

Doc ID or (Procedure Number) / Revision Number: FP-EP-PLAN-01 /8

Document Title: Offsite Nuclear Emergency Plan


Evaluation Determination:

This is an editorial change to generalize an application/system title. The changes do not result in a reduction in effectiveness.

ENCLOSURE 2

Revision to FP-EP-PLAN-01, Revision 8, Offsite Nuclear Emergency Plan

56 pages follow

 Nuclear Department Fleet Procedure	FP-EP-PLAN-01	Revision: 8
	Page 1 of 56	
Title: Offsite Nuclear Emergency Plan		
Approval: 602000007018		

<i>INFORMATION USE</i>
<ul style="list-style-type: none">• Procedure should be available, but not necessarily at the work location.• Procedure may be performed from memory.• User remains responsible for procedure adherence.

Table of Contents

	<u>Page</u>
1.0 PURPOSE.....	3
2.0 APPLICABILITY	4
3.0 RESPONSIBILITIES	4
4.0 DEFINITIONS.....	8
5.0 REQUIREMENTS	11
6.0 RECORDS	31
7.0 REFERENCES.....	32
7.1 SOURCE DOCUMENTS.....	32
7.2 REFERENCE DOCUMENTS	32
7.3 COMMITMENTS	32
ATTACHMENT 1 MONTICELLO AND PRAIRIE ISLAND OFFSITE EMERGENCY RESPONSE ORGANIZATION	33
ATTACHMENT 2 BACKUP EOF EQUIPMENT.....	34
ATTACHMENT 3 MONTICELLO.....	36
ATTACHMENT 4 PRAIRIE ISLAND.....	37
ATTACHMENT 5 LETTERS OF AGREEMENT.....	38
ATTACHMENT 6 RADIATION ENVIRONMENT MONITORING PLAN	39
ATTACHMENT 7 MONTICELLO AND PRAIRIE ISLAND CONSERVATIVE GUIDANCE FOR PROTECTIVE ACTION AND RECOMMENDATION.....	40
ATTACHMENT 8 EVACUATION TIME ESTIMATES – PRAIRIE ISLAND	41
ATTACHMENT 9 EVACUATION TIME ESTIMATES - MONTICELLO.....	42
ATTACHMENT 10 OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX	43

1.0 PURPOSE

- 1.1** In accordance with license conditions, 10 CFR part 50 and Nuclear Regulatory Commission (NRC) regulatory guidance, the Northern States Power Company, a Minnesota Corporation (NSPM) d/b/a Xcel Energy has developed and implemented emergency response plans for both of its operating nuclear power sites' and off-site response organizations. These combined plans constitute Monticello and Prairie Island's Emergency Response Plan. NSPM is a subsidiary of Xcel Energy Corporation and operates Monticello and Prairie Island Nuclear Power Sites. As asset owner Xcel Energy retains all owner obligations.
- 1.2** In support of the planning effort at these fixed nuclear facilities, supplemental emergency response plans have been developed by organizations outside of and within the NSPM/Xcel Energy. These include response plans developed by the States of Minnesota, Wisconsin (a state contiguous to NSPM/Xcel Energy Prairie Island site) and Prairie Island Indian Community. Response plans have also been developed by counties (in both states) which are within the emergency planning zones at either Monticello or Prairie Island Nuclear Generating plants. Response arrangements have been developed with various service oriented organizations in support of both sites. These include such entities as hospitals, ambulance services, federal radiological emergency response teams, contractor laboratories, vendors and consultants. These arrangements are documented in a list of "letters of agreement" attached in Attachment 5 to this plan.

NSPM/Xcel Energy Chief Nuclear Officer is ultimately responsible for ensuring a well prepared and adequately staffed Emergency Response Organization (ERO) is in place for both the On-site and Off-site organizations. NSPM/Xcel Energy's Chief Nuclear Officer ensures this by requiring strict compliance to the Emergency Plans. This plan can be implemented in response to emergencies at either Monticello or Prairie Island nuclear facilities. It coordinates the resources of the NSPM/Xcel Energy and other supporting departments. The emergency response planning effort consists of three phases:

1. The Response
2. Offsite Assistance
3. The Recovery

The Response Phase is that period of time immediately following the classification of an emergency condition. Responses during this phase are those actions which are taken by site personnel to reduce consequences of the emergency condition. Each site plan directs actions during this period and is designed to interface with other response plans if it becomes necessary to utilize outside assistance.

The Offsite Assistance Phase commences when organizations other than the affected sites are used to assist the site in response to the emergency. The response effort described in this Plan is designed for the Offsite Assistance Phase. The Monticello and Prairie Island Offsite Nuclear Emergency Plan organizes the total resources of the NSPM/Xcel Energy to facilitate support of the affected site. Activation of the Monticello and Prairie Island Offsite Response Organization (ORO) including state, federal, and local governmental response organizations are associated with this phase.

The Recovery Phase commences when the Emergency Director, Emergency Manager, Plant Manager, and the Recovery Manager agree that all Emergency Organization activities in progress can be safely transferred to the Recovery Organization, and a punch list of short-term and long-term projects have been identified and prioritized, and consultation has occurred with the NRC. The methodology for the transition to the Recovery Phase is specified in the site Emergency Plan Implementing Procedures.

2.0 APPLICABILITY

2.1 This plan can be implemented in response to an emergency at either Monticello or Prairie Island Nuclear Generating Plants.

3.0 RESPONSIBILITIES

Monticello and Prairie Island Nuclear Generating Plants will activate their respective emergency organization independent of offsite assistance. The site staff is responsible for taking the immediate actions to mitigate the emergency and limit the adverse effects. The time taken to completely activate the Monticello or Prairie Island Emergency Response Organization will not adversely affect the site's response to the emergency condition.

The Monticello and Prairie Island Offsite Emergency Response Organization is shown in Attachment 1. Methods are established in procedures to ensure that the necessary personnel are available to staff required positions or that alternates are specified.

The following is a description of key members of the Monticello and Prairie Island Offsite Emergency Response Organization. The site emergency organizations are described in the site plans.

3.1 Responsibilities of NSPM/Xcel Energy's Offsite Emergency Response Organization Positions

3.1.1 Xcel Energy Communications

This group is represented by the Xcel Energy Communications staff. Staffing of these positions is ensured by use of a call list of qualified designees. The Director of Communications is responsible for the management of NSPM/Xcel Energy public information efforts and to advise NSPM/Xcel Energy Executive Management on public affairs. The responsibilities and authorities are listed below:

- Provide a media representative for communication with the various media personnel.
- Ensure that requests for public information by NSPM/Xcel Energy Executive Management are acted upon.
- Coordinate the efforts of ERO communications personnel at corporate offices and at the state EOC/JIC.
- Ensure that there is a timely exchange of information among spokespersons for the responding agencies and that there are coordinated arrangements for dealing with rumors.
- Ensure that requests for communications resources are acted upon in a timely fashion.
- Ensure information flow to appropriate federal, state and local government officials not directly involved in the emergency response effort.
- If requested by the Emergency Manager, consider dispatching a Communications Representative to the site to support local Media related issues.

3.1.2 Executive Spokesperson

The Executive Spokesperson with the assistance of Technical Resource personnel will be responsible for directing the efforts of NSPM/Xcel Energy personnel at the State EOC and the Joint Information Center. Additionally, this individual will be the designated NSPM/Xcel Energy Spokesperson in attendance for media conferences.

The individual designated to fill this position will have the following responsibilities:

- Serve as the NSPM/Xcel Energy spokesperson for major media meetings and conferences held at the Minnesota state EOC/JIC.
- Supply information to ERO communications personnel who develop media releases at the state EOC/JIC.

- Represent NSPM/Xcel Energy at the state EOC/JIC by interfacing with state officials.
- Ensure adequate liaison occurs between NSPM/Xcel Energy representatives and state and county management.
- Serve on the JIC Management Committee.
- Establish 24-hour shift coverage for JIC Staff.

3.1.3 Technical Resource Staff

The individuals designated to fill this position will have the following responsibilities:

1. Assist the Executive Spokesperson in supplying information to the ERO communications personnel located at the JIC/EOC.
2. Act as the Executive Spokesperson in his or her absence.
3. As an NSPM/Xcel Energy technical representative, assist other personnel at the JIC/EOC.

3.1.4 State Liaison

The State Liaison works for the Executive Spokesperson and is at the Executive Spokespersons disposal to provide Liaison between NSPM/Xcel Energy and the State Agencies.

The State Liaison will have the following responsibilities:

1. Provide an interface between NSPM/Xcel Energy and various state agencies of both Minnesota and Wisconsin.
2. Assist the state in understanding NSPM/Xcel Energy's response efforts to the emergency situation.
3. Facilitate the answering of any questions the state has concerning NSPM/Xcel Energy's response efforts.
4. Ensure that information being provided to the state accurately reflects the actual emergency situation.

5. Ensure that information originating from the state accurately reflects the actual emergency situation.

3.1.5 Emergency Planning County Liaisons

The County Liaisons work with the State EP Liaison and assist that person by providing Liaison between NSPM/Xcel Energy and the County Agencies.

The County Liaison Representatives will have the following responsibilities:

1. Keep the State EP Liaison informed of issues brought up by County EOC staff and the media at County PIO briefings.
2. Provide assistance to the County EOC Operations Chief as requested.
3. Attend County press briefings as time permits.
4. Keep informed of activities in progress at the County EOC.
5. If requested by County EOC Operations Chief, contact State EP Liaison to resolve rumors and/or validate information concerning site status.
6. Assist Sheriff's Office representative in becoming aware of site shift change times, clearance of NSPM/Xcel Energy staff through roadblocks, or with other requests.

3.1.6 Security Advisor at the State Emergency Operations Center

The Security Advisor works with the Executive Spokesperson when security issues are concerns in the event.

The individual assigned to fill this position will have the following responsibilities:

1. Provide the Executive Spokesperson with pertinent security information.
2. Act as NSPM/Xcel Energy's security liaison with the State of Minnesota.

4.0 DEFINITIONS

4.1 Annually

Annually is defined as one calendar year (January – December).

4.2 Monthly

Monthly is defined as one month \pm 1 week.

4.3 Offsite Nuclear Emergency Plan

Provides supplementary direction and guidance for the NSPM/Xcel Energy Monticello and Prairie Island Emergency Response Organization including Site emergency plans and implementing procedures.

4.4 Recovery Phase

The recovery phase should occur only after at least one fission product barrier is in place, the site is not making any radioactive releases to the environs greater than technical specification limits, and the site is stable, with very little potential for future degradation.

4.5 Plant Management

The affected site's Vice President and their direct reports.

4.6 Corporate Management

Those members of NSPM/Xcel Energy management below the Vice President level.

4.7 Executive Management

Those members of NSPM/Xcel Energy management at the Vice President level and above.

4.8 Corporate NSPM/XCEL ENERGY Offices

The administrative offices of NSPM/Xcel Energy located at Xcel Energy's General Office, Minneapolis, Minnesota.

4.9 Nuclear Emergency Preparedness Group

The NSPM/Xcel Energy group that is responsible for overall emergency preparedness including the interfacing with the governmental entities involved in emergency planning. Other NSPM/ Xcel Energy departments have emergency preparedness responsibilities as specified by this Plan or its Implementing Procedures.

4.10 Communications Department

Xcel Energy communications staff are responsible for providing public information.

4.11 Offsite Officials

Those elected or appointed officials responsible for Federal (e.g., NRC, FEMA), State, and local government functions.

4.12 Emergency Director

The affected site's Plant Manager or his designee. This individual has responsibility for managing the onsite emergency organization and initial efforts external to the site until the near site EOF Emergency Response Organization is activated and the Emergency Manager assumes control.

4.13 Emergency Manager

The Emergency Manager has the authority and responsibility for the Management of NSPM/Xcel Energy response to an emergency. This individual will assume control at the Emergency Operations Facility (EOF) or Backup EOF and direct the NSPM/Xcel Energy response efforts.

4.14 Recovery Manager

This person is responsible for the implementation of the Recovery Phase. This individual will perform tasks as directed by the Emergency Manager, but will primarily be responsible for establishing the Recovery Organization and preparing for the long term recovery effort.

4.15 Advisory / Technical Support Group

This group is made up of selected personnel. They will provide a pool of personnel who are familiar with NSPM/Xcel Energy's Monticello or Prairie Island facilities, Off-site procedures, and available resources.

4.16 Sister Site

The sister site is the unaffected NSPM/Xcel Energy nuclear site. The sister site to Monticello is Prairie Island, and the sister site to Prairie Island is Monticello.

4.17 Near-Site Emergency Operations Facility (EOF)

Once activated, the Near-site Emergency Operations Facility will serve as the affected Plant's base for control of offsite emergency response activities.

4.18 Technical Support Center (TSC)

The onsite Technical Support Center provides a central area outside of the control room that functions as a command and control center for the coordinated onsite emergency response during emergency conditions.

4.19 Operational Support Center (OSC)

The Operational Support Center will provide a center to assemble the necessary Operators, Radiation Protection Specialists, Instrument Control, Electrical, and Maintenance personnel to support the operations of the site under emergency condition without causing undue congestion in the Control Room.

4.20 State Emergency Operations Centers (SEOC)

These are the command and control centers for the State(s) of Minnesota and Wisconsin. Situation, evaluations and coordinated protective action recommendations will be maintained between county EOCs, the state EOCs, and the site EOF.

4.21 County Emergency Operations Centers (local EOCs)

These response centers provide command and control functions and are the central point of coordination for county and local emergency response organizations.

4.22 Monticello and Prairie Island's Off-Site EMERGENCY RESPONSE Organization.

Those individuals assigned duties and responsibilities located at the JIC, and County and State EOCs. This Organization is comprised of various NSPM/Xcel Energy personnel.

4.23 Joint Information Center (JIC)

A facility where designated spokespersons from federal, state, local, tribal and NSPM/Xcel Energy personnel will issue media releases.

4.24 Emergency Response Organization Notification Systems (ERONS)

An automated notification system that is used for ERO activation and augmentation. This system is initiated by the sites for a declared emergency and utilizes a variety of communication methods to contact the ERO.

5.0 REQUIREMENTS**5.1 Concept of Operations**

The emergency plans for the Monticello and Prairie Island fixed nuclear facilities are designed to be implemented independently of offsite support. However, it is the purpose of the Monticello and Prairie Island Offsite Nuclear Emergency Plan to augment the Onsite Emergency Response Organization with additional resources as soon as possible. The Monticello and Prairie Island Offsite Nuclear Emergency Plan is designed to be implemented in an incremental manner, as site needs dictate. For emergency conditions that are classified as Unusual Events, the response will be limited to supplying offsite assistance in the areas of public information (Xcel Energy's Communications Department) and liaison to state and local officials. During an "Alert", "Site Area Emergency", or "General Emergency" NSPM/Xcel Energy Monticello and Prairie Island Offsite Emergency Response Organization will be activated. This activation will be accomplished through use of the automated Emergency Response Organization Notification System (ERONS) which is initiated by the site.

The individuals assigned to the Offsite Emergency Response Organization as well as their duties and responsibilities are identified in the Monticello and Prairie Island Offsite Nuclear Emergency Plan Implementing Procedures.

The Monticello and Prairie Island Offsite Nuclear Emergency Plan coordinates the resources of several utility, NSPM/Xcel Energy departments and various outside agencies. These organizations have each developed emergency planning documents to support their respective functions in the event of a nuclear incident at Monticello or Prairie Island nuclear sites. The Monticello and Prairie Island Offsite Nuclear Emergency Plan is implemented depending on the severity and location of the incident, in conjunction with one or more of the following emergency plans:

1. Monticello Nuclear Generating Plant Emergency Plan.
2. Prairie Island Nuclear Generating Plant Emergency Plan.
3. State of Wisconsin Emergency Response Plan (applicable for PI Site only)
4. Pierce County Emergency Operations Plan (applicable for PI Site only).

5. State of Minnesota Emergency Operations Plan.
6. State of Minnesota Local Government Emergency Response Plans for Nuclear Generating Plants.
 - City of Red Wing/Goodhue County Emergency Response Plan for the Prairie Island Nuclear Generating Plant.
 - Dakota County Emergency Response Plan for an Incident at the Prairie Island Nuclear Generating Plant.
 - Wright County Emergency Response Plan for the Monticello Nuclear Generating Plant.
 - Sherburne County Emergency Response Plan for the Monticello Nuclear Generating Plant.
7. Prairie Island Indian Community (applicable for PI Site only).

Additionally, "Letters of Agreement" have been obtained from various other offsite agencies and corporations. These letters specify pre-existing arrangements to support NSPM/Xcel Energy or state and local government actions during an emergency condition. A list of these letters is provided in Attachment 5 of this Plan.

5.2 Emergency Classification System

At the Monticello and Prairie Island Nuclear Generating facilities, emergencies are classified into one of four categories. Each succeeding category increases in level of severity and requires an increased amount of participation by onsite and offsite personnel. For each emergency category, key personnel within NSPM/Xcel, Federal, State, Tribal and local organizations will be notified. They will, in turn, activate their respective emergency organizations according to their individual plans based on the conditions of the emergency.

Each classification provides a known boundary concerning the severity of the emergency condition. All NSPM/Xcel, Federal, State and local organizations accept this classification system and recognize the bounds of severity of the categories. Associated with this classification system are recommended guidelines for protective actions to be implemented by State and local offsite authorities. Various events could initially be classified in one category and later be reclassified, as better defined and more complete information becomes available. The emergency classification system is constructed to provide a smooth transition between categories. The mechanism to classify any single event or group of events or conditions into one of the above categories is contained in the respective Site Emergency Plan Implementing Procedures. In general, the individual who is functioning as the Emergency Director is responsible to classify all emergency conditions. In certain situations it is possible that the offsite organization may have data which would confirm an emergency classification or precipitate a reclassification. In order to preclude erroneous reclassification, after the EOF Emergency Response Organization is fully activated and has assumed responsibility for offsite activities, all changes in classification must have the concurrence of the Emergency Manager.

Monticello and Prairie Island Nuclear Generating Plant Emergency Plan Implementing Procedures contain specific parameter values and equipment status for each emergency class as a convenient cross reference.

5.2.1 Classification System

Emergency situations are classified according to severity, taking into consideration potential as well as actual events in process. The four classifications are as follows:

1. Notification of Unusual Event (Unusual Event)
2. Alert
3. Site Area Emergency
4. General Emergency

Methodologies for Classification of Emergencies are found in the Site Emergency Plans.

5.3 Facilities and Equipment

5.3.1 Description of NSPM/Xcel Energy's Offsite Facilities

1. Backup Emergency Operations Facility (BUEOF)

This facility is approximately 1400 sq. ft. in area and is located in conjunction with Xcel Energy's general offices in Minneapolis. The primary purpose of this facility is to serve as the Backup EOF in the event that the near site EOF becomes uninhabitable or security issues exist.

2. Near-site Emergency Operations Facility (EOF)

The Emergency Operations Facility is activated during "Alert", "Site Area Emergency" and "General Emergency" conditions. The purpose of the EOF is to provide a command and control center for the utilities offsite emergency activities concerned with identifying and limiting the consequences of the emergency conditions. The EOF is located in the Plant Training Center which also contains administrative offices for the Training Department and the plant simulator.

For Monticello, the EOF is located approximately 1 mile south-southeast of the plant within the city of Monticello. For Prairie Island, the EOF is located approximately 1/2 mile west of the plant.

A more detailed description of the EOF facilities are contained in the Monticello and Prairie Island Nuclear Generating Plant Emergency Plans.

5.3.2 On-Site Plant Emergency Centers

There are two emergency centers at each plant, the onsite Technical Support Center and the onsite Operational Support Center. Alternative Response Facilities have been designated when ERO response to the onsite centers is not appropriate due to the nature of the site event. Detailed descriptions of these centers are included in the specific site plans.

5.3.3 Governmental Facilities

1. Minnesota State Emergency Operations Center (EOC)

The State EOC is the command and control center for the state. Coordination will be maintained between County EOCs and the State EOC for situation evaluation and protective actions. Federal agencies assigned responsibilities in the event of a nuclear power plant accident, regardless of location, will maintain coordination with the State EOC. State agencies assigned responsibilities for emergency functions will provide required personnel at the State EOC. In most instances, when the state EOC is activated a licensee Executive Spokesperson will be in attendance. The Executive Spokesperson will have an office at the EOC equipped with communication channels (voice & telecopy) to interface with key licensee facilities including the EOF.

2. Wisconsin State Emergency Operations Center (EOC)

For emergencies at Prairie Island, the Wisconsin EOC in Madison will be activated and will serve as a command and control center for Wisconsin response activities. The Wisconsin EOC in Madison will coordinate communications with the Pierce County (Wisc) EOC in Ellsworth and the Joint Information Center (JIC) in St. Paul, Minnesota.

3. County Emergency Operations Centers (EOC)

The county EOCs are command and control centers for the local emergency response organizations. They are located in the following buildings:

- Goodhue County Law Enforcement Building.
- Dakota County Government Center.
- Pierce County Emergency Management Office in the Ellsworth Courthouse Annex.
- Wright County Courthouse.
- Sherburne County Government Building.

The County EOC receives primary direction from the State EOC and coordinates the local emergency response activities. The agencies assigned responsibilities in the county emergency response organization will provide the required personnel to the county EOCs.

4. Joint Information Center (JIC)

The State of Minnesota has established a JIC, which will be activated jointly with the State EOC. The JIC is located in the Saint Paul-Minneapolis area and the major Minnesota news media are also headquartered in this area. The State of Wisconsin officials are aware of this arrangement and are prepared to send representatives.

5.3.4 Communication Links

The equipment in each site Emergency Response Facility is specified in their Emergency Plans. The equipment in the Backup EOF is described in Attachment 2.

5.4 Emergency Response

Emergency response activities performed through the Monticello and Prairie Island Offsite Emergency Response Organization are predicated on the fact that each site is able to operate independently for several hours during an emergency. Since the Offsite Emergency Response Organization can be activated within approximately 2 hours, adequate support is available, should the site require it.

5.4.1 Activation

1. Activation/Site

The Shift Manager/Emergency Director is responsible for activating the site Emergency Response Organization in accordance with site Emergency Plan Implementing Procedures. A detailed description of the site activation process is contained in the applicable Site Emergency Plan.

2. Activation/Offsite

The NSPM/Xcel Energy Monticello and Prairie Island Offsite Emergency Response Organization can be activated within about 2 hours of notification. The Site Plan Implementing Procedures provide for the notification of the Offsite Emergency Response Organization (ERO). The automated Emergency Response Organization Notification System (ERONS) will notify the Offsite ERO in the event of a declared emergency in accordance with the Offsite Emergency Plan Implementing Procedure.

5.4.2 Planned Response Action

1. Response/Site

The Site Emergency Response Organization is activated immediately after the Shift Manager declares an emergency condition as described in site plans. At this declaration, the Shift Manager becomes the Emergency Director until he is formally relieved of that responsibility according to the site Emergency Plan Implementing Procedures. As Emergency Director, several emergency response actions are pre-planned in the site plan and procedures. These actions include steps that initiate the activation process for the site Emergency Response Organization.

2. Response/ Monticello and Prairie Island Offsite

The Xcel Energy Security Operations Center (SOC) is continuously manned at Xcel Energy's General Office. When notified of an emergency condition, the SOC will initiate the conference call mass notification application(s) to establish a management conference call.

As part of the site's ERONS, offsite ERO are also notified who will respond to their assigned ERF and initiate Offsite Emergency Plan Implementing Procedures. The notified personnel have assigned duties that, when implemented, provide for an operational group of personnel at the JIC.

3. Response/Vendor/Consultant

There are two primary vendors that are involved with emergency response planning for Monticello and Prairie Island Sites. They are: General Electric Co. (GE) for Monticello and Westinghouse (W) for Prairie Island. At the request of the Emergency Manager, these companies will provide assistance.

The response actions which may be requested involve the following:

- Personnel
- Technical analysis
- Operational analysis
- Accident/transient analysis

Other vendors or consultants will be requested to provide assistance as needed.

4. Assistance from Other Utilities

Under an emergency, it may be desirable to call on the resources (personnel and equipment) of other nuclear utilities, outside of NSPM/Xcel Energy. Such a request may be made by the sites using the INPO Emergency Resource Manual.

5. Response/Support and Resources

The Minnesota Department of Homeland Security and Emergency Management (HSEM) and the Wisconsin Emergency Management (WEM) are the state agencies which are responsible for the overall direction of the state emergency response efforts. The HSEM and WEM will activate their Emergency Operation Centers and deploy their personnel and resources, in accordance with the State of Minnesota Emergency Operations Plan, and the Wisconsin Emergency Response Plan respectively. These plans include written messages intended for the public which are consistent with the emergency classification scheme and give the public instruction regarding suitable protective action. The Public Emergency Planning Education Program (described in Section 5.5) will familiarize the public in the proper response to these pre-planned messages.

The Federal Department of Energy Radiological Assistance Program is available for monitoring assistance and radiological advice to the Minnesota Department of Health (MDH), Section of Radiation Control, and the Wisconsin Department of Health Services (DHS), section of Radiation Protection.

The Department of Energy (DOE) is the coordinating agency for the Federal Emergency Response Plan (FERP). Regional Coordinating offices are assigned geographic responsibilities for incidents in their region. Their objective is to rapidly dispatch specialists to the incident site, evaluate the hazard, take recommended action to counteract and control any acute hazard, and establish communications with local authorities and the press. The Regional Coordinating Offices will respond to requests for radiological assistance from the NSPM/Xcel Energy, federal, state, and local agencies, and would implement the FERP. The Emergency Manager will, if necessary, coordinate with the Health Department(s) any request for DOE assistance. Federal assistance teams will be supplied operating quarters, support, and resources by the State EOC(s).

5.5 Public Information

5.5.1 Public Emergency Planning Education

NSPM/Xcel Energy, in coordination with state, county and local officials, annually provides the general public (including transients) with information concerning the methods of public notification and what individual actions should be taken during an emergency. This information may include:

- methods of public notification
- possible protective actions
- general information as to the nature and effects of radiation
- contact points for additional information
- special needs for the handicapped
- registration cards for the mobility impaired.

Methods for disseminating the information may include calendars, brochures, annual publications, public postings and/or meetings. Dissemination of information to the public is coordinated with state and local agencies.

5.5.2 Media Information

The Xcel Energy Communications Department has communications procedures to ensure prompt communications between Xcel Energy or NSPM and principal media organizations.

At least once a year, both states will conduct training programs or send mailings to acquaint the news media with the emergency plans and to provide information concerning radiation and points of contact for release of public information in an emergency. NSPM/Xcel Energy has input to this process.

NSPM/Xcel Energy have established procedures for informing the news media when a nuclear power plant is removed from service and delineate additional responsibilities during a serious nuclear accident. Primary responsibility for implementation of the program rests with the Xcel Energy Communications Department after notification by the site. Release of information to the news media and the scheduling of news conferences SHALL have the review and concurrence of the Executive Spokesperson.

5.5.3 NSPM/Xcel Energy And Xcel Energy Employee Information

It is desirable that NSPM/Xcel Energy employees be aware of the current status during an emergency. This ensures employees do not inadvertently start rumors. Methods of employee communication are delineated in the Communications Program and may consist of the following:

- Electronic mail
- Public address announcements
- Daily news services - print and phone
- Employee meetings

5.6 Emergency Organization Interfaces

The purpose of this section is to specify communications interfaces between the Emergency Response Organization and various organizational entities within and outside of NSPM/Xcel Energy.

After notification of an emergency condition is made to offsite officials, the state, and applicable county emergency operations centers, the associated response teams will be activated, in accordance with the appropriate State Emergency Plans. Designated NSPM/Xcel Energy personnel will make periodic status reports of site conditions to offsite officials. Meteorological data, survey results, projected doses and protective action recommendations will be provided to offsite officials.

The final decision concerning what protective actions will be implemented on behalf of the public rests with the Governor of each State. Designated Utility officials will make recommendations (see site plans) but the State of Minnesota (and/or Wisconsin & Prairie Island Indian Community) is responsible for issuing protective actions decisions (PADs). If necessary for a fast developing incident, the States' Plan provides for the contingency that the site may recommend immediate protective actions to offsite officials.

5.7 Recovery Phase

The process of Recovery Phase is defined in the specific site plans.

5.8 Exercises, Drills and Training

5.8.1 Exercises

Periodic exercises and drills are conducted to evaluate major portions of emergency response capabilities, maintain capabilities and identify deficiencies that form the basis for corrective action. These exercises serve to develop and maintain key skills in the course of emergency response.

An exercise is a real-time simulated event that tests the integrated capability of the ERO and a major portion of the five basic elements existing within emergency preparedness plans. The emergency preparedness exercise simulates an emergency that results in potential offsite radiological releases which would require response by offsite authorities.

The five basic elements are:

1. Initial Response Activities
 - Identify and classify emergency
 - Notify and communicate conditions
 - Activate organizations and facilities
 - Control facility access
2. Emergency Response Activities
 - Assess accidents
 - Mitigate accidents
 - Recommend protective actions
3. Radiological Response Activities
 - Sample/analyze plant air/liquids
 - Monitor onsite radiological conditions
 - Control emergency radiation exposure
 - Monitor offsite radiological conditions
4. Assembly and Accountability Activities

5. Offsite Interface Activities

The specifics of conducting Emergency Preparedness drills or exercises are found in Emergency Preparedness Drill and Exercise Manual. When integrated exercises are conducted, the scope will be expanded to also include appropriate State and local government agencies as well as the JIC. Each site SHALL exercise with offsite authorities such that the State and local government emergency plans for each operating reactor site are exercised at least biennially, with full¹ or partial participation² by State(s) and local governments, within the plume exposure pathway EPZ. The level of participation SHALL be as follows:

- At a minimum, each State, within an Ingestion Pathway Zone (IPZ), SHALL exercise its plans and preparedness related to ingestion exposure pathway measures at least once every 8 years. The States of Minnesota and Wisconsin should rotate this participation from between Monticello and Prairie Island sites. Local governments having ingestion pathway responsibilities should also participate. At a minimum, local entities should, during the year the full participation ingestion exercise is held, review their plans and procedures to verify their accuracy and completeness.
- The Utility should enable any State or local governments, located within the plume exposure pathway EPZ, to participate in annual full scale exercises when requested by such State or local government.

The need for a remedial exercise under 10 CFR Part 50, Appendix E, Section IV.F.2.f will be determined on a case-by-case basis when any of the following conditions associated with a biennial exercise occurs:

- Confidentiality is compromised to an extent that broadly affects ERO performance
- The scenario does not provide the opportunity for demonstration of key skills; the scenario is not implemented in such a way that provides the opportunity for demonstration of key skills.

¹ “Full participation” when used in conjunction with emergency preparedness exercises for a particular site means appropriate offsite local and state authorities and licensee personnel physically and actively take part in testing their integrated capability to adequately assess and responded to an accident at a commercial nuclear power plant. “Full participation” includes testing the major observable portions of the onsite and offsite emergency plans and mobilization of state, local and licensee personnel and other resources in sufficient numbers to verify the capability to respond to the accident scenario. **10 CFR Part 50 Appendixes E, Footnote #4.**

² “Partial Participation” when used in conjunction with emergency preparedness exercises for a particular site means appropriate offsite authorities SHALL actively take part in the exercise sufficient to test direction and control functions, i.e., (a) protective action decision making related to emergency action levels, and (b) communication capabilities among affected state and local authorities and the licensee. **10 CFR Part 50 Appendix E, Footnote #5**

- ERO performance does not provide the NRC with a basis to determine that key skills have been maintained.
- The extent of participation in a remedial exercise will also be determined on a case-by-case basis since only portions of the response may need to be re-demonstrated.

NSPM/Xcel Energy participants in drills and exercises SHALL be assigned from the staff listings in the Nuclear Emergency Preparedness Telephone Directory.

Controllers in drills and exercises should be trained in the Emergency Response Organization to which they are assigned duties.

Official controllers from Federal, State or local governments will observe, evaluate, and critique the required exercises. A critique SHALL be scheduled at the conclusion of the exercise to evaluate each organization's ability to respond as called for in the Emergency Plan. The critique SHALL be conducted as soon as practicable after the exercise, and a formal evaluation should result from the critique.

Controller and participant comments should be evaluated, and corrective actions will be established by management control to ensure that Emergency Plan or Implementing Procedures are changed as required.

The exercise will be varied from year to year so as to test all major components of the plans and preparedness organizations, which may include federal emergency response agencies, within the applicable exercise cycle (8 years). Provisions should be made to start a drill or exercise between 6:00pm and 4:00am at least once in every exercise cycle. Some drills or exercises should be unannounced.

The details concerning scheduling, conduct and critique of drills and exercises are specified in site specific procedures.

5.8.2 Drills

A drill is a supervised instruction period aimed at testing, developing and maintaining skills in a particular operation. A drill is often a component of an exercise. Each drill is supervised and evaluated by a qualified drill coordinator. The utility will conduct drills at intervals specified in site specific procedures and their respective Drill and Exercise Manual.

5.8.3 Training

NSPM/Xcel Energy will assure that radiological emergency response training is provided to those who may be called upon to assist in an emergency. Training will also be provided for the person(s) designated as responsible for the planning effort.

1. Qualification of and training for the Monticello and Prairie Island Offsite Emergency Response Organization consists of initial overview training and position specific training. The training program for site and EOF ERO members is described in the site specific procedures.

2. Initial Overview Training

Training SHALL introduce the EP personnel to the basis for nuclear power plant radiological emergency preparedness. It should include:

- a. Protective Action Recommendations
 - b. Emergency Action Levels and Classifications
 - c. Introduction to Emergency Plans of Monticello, Prairie Island and local Government
 - d. Emergency Response Organization and Communication
 - e. EP Objectives
3. Position specific training SHALL qualify the EP personnel in the position for which they have been nominated. It should include:
 - a. Detailed review of applicable procedures
 - b. Opportunity to practice the role of nominated position
 - c. Mini-drill or table top simulations/discussions

The Utility will assist in the training of those offsite emergency organizations who may be called upon to provide assistance in the event of an emergency. Each offsite response organization will participate in and receive training which will be coordinated by the appropriate governmental agencies.

Where mutual aid agreements exist between local agencies such as fire, police, ambulance/rescue, and other departments that are members of the mutual aid district, training will also be offered.

Annual training for hospital personnel, ambulance/rescue and fire departments will include the procedures for notification, basic radiation protection and the appropriate Implementing Procedures. For local services and support organizations who may enter the site, training will include orientation to site access procedures and to the onsite emergency organization that will control the support activities.

All emergency organization members will be required to periodically participate in drills and exercises in which each person demonstrates the ability to perform his assigned tasks in an emergency situation.

Personnel who implement radiological facets of the Emergency Response Plan will receive a training program to qualify them, per the Implementing Procedures that pertain to surveys, accident assessment, decontamination, and emergency mitigation.

Training was presented initially when all plans and procedures were finalized, and re-training will be conducted annually in accordance with the Emergency Response Training Plans. Emergency response personnel will be trained for the following categories:

1. Directors or Coordinators of the Emergency Response Organizations
2. Accident assessment personnel
3. Radiological monitoring teams and radiological analysis personnel
4. Security and fire-fighting personnel
5. Personnel responsible for transmission of emergency information and instructions
6. Onsite repair and damage control teams
7. First aid and rescue personnel
8. Medical support personnel
9. Local law enforcement personnel
10. Local Civil Defense/Emergency Service personnel

11. Media personnel

12. State Government Agencies

5.9 Maintenance of Plans and Procedures

5.9.1 Review of Plans

In accordance with 10CFR 50.54(t) the Utilities Procedures and Surveillances provide for the conduct of an annual independent adequacy review of the Monticello and Prairie Island Offsite Emergency Preparedness Program. (The independent review may be conducted by either an internal or external organization.) Individuals who have no direct responsibility for implementation of the Emergency Preparedness Program will conduct the review. The review will include the Emergency Plans, Implementing Procedures, training, readiness testing, interface with state and local organizations, and equipment. Management controls will be implemented for evaluation and correction of review findings. The result of the review will be documented, reported to appropriate organizational management and retained for a period of 6 years. The part of the review involving the evaluation for adequacy of interface with state and local governments SHALL be made available to the appropriate state and local governments.

In addition, the Utility will review and update plans and procedures as needed and they will be certified to be current on an annual basis. The update will take into account changes identified during drills and exercises. Other reviews of the Emergency Plan and Implementing Procedures will be performed as required by Technical Specifications.

5.9.2 Control of Plans and Procedures

Emergency Plans and approved changes will be distributed in a controlled manner. Assigned copies of state and local plans, required at specific locations within the NSPM/Xcel Energy organization, will be updated in the same controlled manner. When making revisions to the Monticello and Prairie Island Off-site Nuclear Emergency Plan, the section of the plan containing the changes will be revised and issued as a whole. The plan will be marked (side barred) to show where changes have been made. The review, revision and issuance of controlled copies of the Nuclear Emergency Plans will be conducted in accordance with standard Utility procedures for document control.

5.9.3 Surveillance Program

A Surveillance Program has been developed to ensure that Monticello and Prairie Island Offsite Nuclear Emergency Plan facilities and procedures are in a current state of readiness. Communication links with federal, state, and county governments are tested monthly and inventories of equipment are conducted quarterly. Surveillances have also been prepared to conduct the annual independent review, quarterly inventory, and the quarterly updating of emergency response telephone numbers. The Emergency Planning Zone (EPZ) brochure/calendar, Ingestion Planning Zone (IPZ) brochure, and handouts for transients are reviewed annually and updated, as needed.

5.10 Emergency Medical Plan**5.10.1 Emergency Medical Plan Objective**

The purpose of this section is to provide an overview of the process to be followed to ensure that prompt, effective and complete medical assistance is available to a nuclear power plant employee in the event of an accident involving an injury or illness which may be complicated by radiation exposure and/or contamination.

To provide the best medical treatment possible for its employees, the Utility has made arrangements with certain off-site medical facilities to care for radiation complicated injuries or illnesses. Because these facilities have special equipment, expertise and training, these facilities will be used for this infrequent, but specialized patient care. Any referral of NSPM/Xcel Energy employees outside of this off-site medical system will be done at the direction of the Utility Medical Review Officer, the patient's request, the patient's authorized representative, or per the hospital's mutual aid and transfer agreements with hospitals appropriate to the patient needs and acuity.

For Monticello Nuclear Generating Plant, the principle off-site medical support consists of:

- CentraCare Health EMS (ambulance) Monticello, MN
- CentraCare Health, Monticello, MN
- North Memorial Medical Center, Robbinsdale, MN
- Regions Hospital, St. Paul, MN
- St. Cloud Hospital (CentraCare) St. Cloud, MN

For Prairie Island Nuclear Generating Plant the principle off-site medical support consists of:

- Red Wing Fire and Ambulance Service
- Mayo Clinic Health System-Red Wing, MN
- Regions Hospital, St. Paul, MN
- North Memorial Medical Center, Robbinsdale, MN

5.10.2 Activation/Plant

1. The Shift Manager/Emergency Director is responsible for assessing the extent of injuries, radiation exposure and/or contamination that an individual may have received during their shift. Their assessment of the personnel, injured with or without radiation exposure or contamination, is to include the need for offsite medical assistance. The Shift Manager/Emergency Director can use any member of the Corporate Medical staff to evaluate the extent of such injuries, if such an individual is available. Additionally, the Shift Manager/Emergency Director can use any available Health Physics expertise to evaluate the victim's radiation exposure or contamination. Once the Shift Manager/Emergency Director has determined that off-site medical assistance is necessary, it is their responsibility to ensure that the local medical hospital and ambulance group are contacted, in accordance with the Plant Emergency Implementing Procedures, to arrange for transportation of the victims.
2. The Plant Emergency Implementing Procedures describe how the hospital is to be notified and discusses what information the hospital needs to ensure their emergency rooms are prepared to receive the potentially contaminated/over-exposed, injured victim.

5.10.3 Activation/Local Hospital

The local hospital or fire department is responsible for the transportation of all personnel from Monticello or Prairie Island Nuclear Generating sites. They will receive all NSPM/Xcel Energy personnel that are injured and/or contaminated and/or have received an overdose of ionizing radiation. The local hospital will provide initial medical treatment and decontamination care and, after the patient is stabilized, will arrange, if necessary, the transportation of patients to North Memorial Medical Center, Regions Hospital, or CentraCare Health St. Cloud via air or ambulance as weather dictates. Patients may be transferred directly to a Definitive Care Center if the injury(s) warrant. Additionally, the local hospital could make contact with the Radiation Emergency Assistance Center/Training Site (REAC/TS) as deemed necessary, to seek further medical advice and expertise.

5.10.4 Activation/Definitive Care Center

1. North Memorial Medical Center, located in Robbinsdale, Regions Hospital in St. Paul, and St. Cloud Hospital (CentraCare) in St. Cloud are designated by this Plan as Definitive Care Centers, in accordance with our current Letters of Agreement (Attachment 5).
2. The Definitive Care Center will be responsible for providing definitive evaluation and treatment of more serious trauma, illness and for radiation overexposure. The personnel at the Definitive Care Center could contact the Radiation Emergency Assistance Center/Training Site (REAC/TS) for advice as necessary.
3. Should the need arise for further advanced medical treatment of radiation overexposure (for example, bone marrow transplant), this arrangement and decision will be made after evaluation of the patient by the medical staff at the Definitive Care Center, in consultation with the Utility Medical Review Officer/Medical Advisor, and any other medical consultants. The facilities (locally & nationally) able to perform this procedure will be described to the patient and their authorized representative, and referral made according to their wishes.

5.10.5 Activation/Medical Resource Person

The Utility Medical Review Officer/Medical Advisor would be available to provide medical expertise on the extent of the injury, act as Company spokesperson, and assist in determination of when the services and/or advice of emergency medical assistance would be needed during a nuclear power plant event involving a contaminated/overexposed and/or injured individual.

5.10.6 Activation of Emergency Medical Assistance

In the event of a suspected or actual radiation accident, where the aforementioned medical facilities need additional emergency medical assistance, this assistance can be provided by Radiation Emergency Assistance Center/Training Site (REAC/TS) and is available as a public agency on a 24-hour basis. The assistance is comprised of, but not limited to the following:

1. Upon notification, establish immediate means of communication between emergency response personnel and all other facilities involved in the management of the accident.
2. Provide consultation and laboratory services for the evaluation of the patient's radiological health status, if requested.

3. Assist the local hospital and/or the Definitive Care Center in the evaluation and the care of the accident victim.
4. Assist or provide a list of commercial entities that could provide support of the Utility Medical Review Officer/Medical Advisor in the arrangement for evacuation of the radiation over-exposed patient(s) to a medical center for advanced treatment, if necessary.

Additional medical consultants will be requested as determined by the Utility Emergency and Medical Management.

NOTE:

Attachments 3 and 4 provide an illustration of patient flow through the medical system

5.10.7 Multiple Patients

If multiple patients result from an accident, they will be triaged and decontaminated, if necessary, according to accepted medical principles at each level of care, starting at the plant site.

5.10.8 Medical Drills and Training

The objective of medical training and drills is to ensure prompt, effective and complete medical assistance is available to site personnel in the event of an accident involving injury which is complicated by radiation exposure and/or contamination. To meet this objective, NSPM/Xcel Energy will provide training and conduct drills to ensure that personnel at all levels of care (plant, ambulance, local hospitals and occasionally, definitive care centers) can respond properly to a radiation emergency medical problem.

Training covering methods of dealing with radiation and contamination problems during a medical emergency will be provided annually for the following off-site and on-site Emergency Response groups:

1. Site First Responder Personnel
2. Local hospital personnel, Emergency Room staff
3. Physicians Training will be offered periodically
4. Ambulance personnel, Emergency Medical Technicians
5. Definitive Care personnel and other medical staff that may be involved in the care of patients with radiological concerns

All medical drills and training to support the Medical Plan are described in the Emergency Preparedness Training Program.

5.10.9 Program Maintenance

In order to maintain an effective on-site and off-site response program, the following tasks will be performed:

1. Conduct periodic inventories of plant and hospital equipment and supplies used for handling radiation medical emergencies. Replenish supplies as necessary, based on inventory results or as requested by hospital or ambulance staff. The results of these periodic surveillances are to be filed by the respective plant.

2. Perform periodic review of hospital telephone numbers and communication checks. The responsibility of this review and communications check will be the respective plants for the local hospitals and the Offsite planning group will perform the communication check with North Memorial Medical Center and Regions Hospital.

3. Periodic review and inventories should be done at least annually.

5.11 Implementing Procedures

<u>TITLE</u>	<u>SECTION OF OFFSITE EMERGENCY PLAN IMPLEMENTED</u>
FP-EP-IP-01, "Offsite Emergency Response Organization"	3.0, 3.1
FP-EP-IP-02, "Emergency Organization Shift Turnover"	3.1.2
FP-EP-IP-03, "Communication Equipment and Information"	5.3, Attachment 2
FP-EP-IP-04, "Start-up and Operation of SEOC/JIC (and Remote Locations)"	3.1.1, 4.10, 5.3.3.4, 5.5.2

6.0 RECORDS

None

7.0 REFERENCES

7.1 SOURCE DOCUMENTS

7.1.1 Combines all Sections of the Offsite Emergency Preparedness Plan to one common document under FP-EP-PLAN-01

7.1.2 10CFR 50.47 and Appendix E

7.1.3 NUREG-0654, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants".

7.2 REFERENCE DOCUMENTS

7.2.1 FP-EP-IP-01, "Offsite Emergency Response Organization"

7.2.2 FP-EP-IP-02, "Offsite Emergency Organization Shift Turnover"

7.2.3 FP-EP-IP-03, "Communication Equipment and Information"

7.2.4 FP-EP-IP-04, "Start-up and Operation of SEOC/JIC (and Remote Locations)"

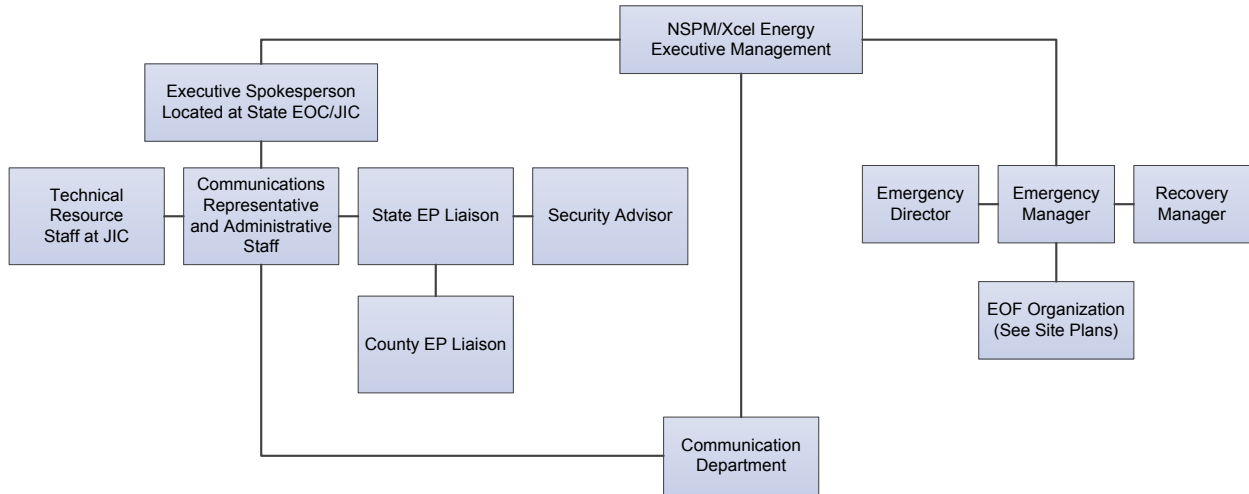
7.2.5 10CFR Part 50, Appendix E

7.2.6 10CFR 50.54

7.3 COMMITMENTS

None

Attachment 1
MONTICELLO AND PRAIRIE ISLAND OFFSITE EMERGENCY RESPONSE
ORGANIZATION



Attachment 2
BACKUP EOF EQUIPMENT

1. **Communication System (General)**
 - a. **Corporate Phone System** - A Failure Analysis of telephone lines has been conducted and it was determined that the Backup EOF has adequate failure protection. Telephone, radio, and private line circuits are spread between two feeder and riser cables to reduce the chances of a complete failure. Approximately two dozen commercial telephone lines are available for use.
 - b. **Facsimile Stations** -Two facsimile machine extensions, to allow for incoming and outgoing faxes.
 - c. **800 Mghz Paging System Radio**
 - d. **NRC Phones** - Should the NRC decide to co-locate at the Backup EOF, telephone lines have been assigned for this purpose.
 - e. **INPO Nuclear Network** - A computer is available that can access the INPO Nuclear Network to send, receive, and retrieve messages.
 - f. **E-Mail** - Equipment is available for sending electronic mail messages to both sites. Printers are available to print hard copies of messages sent.
2. **Backup EOF Phones Monticello Specific**
 - a. Technical Support Communicator (Status Board) Telephone extension
 - b. Monticello Field Survey Team Radio
3. **Backup EOF Phones Prairie Island Specific**
 - a. Technical Support Communicator (Status Board) Prairie Island Plant extension
 - b. Prairie Island Field Survey Team Radio

Attachment 2 CONT'D
BACKUP EOF EQUIPMENT

4. Minnesota State EOC/JIC

- a. Telephone Lines - NSPM/XCEL ENERGY Executive Spokesperson General Office extension and a Rice Street extension
 - 1) Facsimile Machine – General Office extension
 - 2) Facsimile Machine - MN Dept. of Health - extension
- b. 800 Mghz Paging System Radio

Attachment 3
MONTICELLO

<u>CARE UNIT</u>	<u>SCOPE OF TREATMENT</u>	<u>METHOD OF TRANSPORT</u>
SITE	FIRST AID (FAMILY DOCTOR)	N/A (PERSONAL VEHICLE)
CENTRACARE HEALTH - MONTICELLO	PRIMARY CARE	CENTRACARE HEALTH - MONTICELLO
NORTH MEMORIAL MEDICAL CENTER	SECONDARY DEFINITIVE CARE	NORTH MEMORIAL AIRCARE (CENTRACARE HEALTH Ambulance)
REGIONS HOSPITAL	SECONDARY DEFINITIVE TREATMENT	NORTH MEMORIAL AIRCARE (CENTRACARE HEALTH Ambulance)
ST. CLOUD HOSPITAL (CENTRACARE)	SECONDARY DEFINITIVE TREATMENT	CENTRACARE HEALTH Ambulance
CONSULTANTS MISCELLANEOUS CARE CENTERS	TERTIARY DEFINITIVE CARE	NORTH MEMORIAL AIRCARE CENTRACARE HEALTH Ambulance
RADIATION EMERGENCY ASSISTANCE CENTER/TRAINING SITE (REAC/TS)	24 HOUR ASSISTANCE RADIATION EVALUATION LABORATORY SERVICES	CONSULTATION VIA PHONE

Attachment 4
PRAIRIE ISLAND

<u>CARE UNIT</u>	<u>SCOPE OF TREATMENT</u>	<u>METHOD OF TRANSPORT</u>
SITE	FIRST AID (FAMILY DOCTOR)	N/A (PERSONAL VEHICLE)
MAYO CLINIC HEALTH SYSTEM – RED WING	PRIMARY CARE	RED WING FIRE/EMS
REGIONS HOSPITAL	SECONDARY DEFINITIVE CARE	NORTH MEMORIAL AIRCARE (RED WING FIRE/EMS)
NORTH MEMORIAL MEDICAL CENTER	SECONDARY DEFINITIVE TREATMENT	NORTH MEMORIAL AIRCARE (RED WING FIRE/EMS)
CONSULTANTS MISCELLANEOUS CARE CENTERS	TERTIARY DEFINITIVE CARE	NORTH MEMORIAL AIRCARE (RED WING FIRE/EMS)
RADIATION EMERGENCY ASSISTANCE CENTER/TRAINING SITE (REAC/TS)	24 HOUR ASSISTANCE RADIATION EVALUATION LABORATORY SERVICES	CONSULTATION VIA PHONE

Attachment 5
LETTERS OF AGREEMENT

GENERAL (in support of both plant sites)

1. Institute of Nuclear Power Operations (INPO)
2. State of Minnesota
3. Regions Hospital
4. Environmental, Inc. Midwest Laboratory
5. Department of Energy-Radiation Emergency Assistance Center/Training Site
6. North Memorial Health Care

Burlington Northern Railroad System LOA was removed from LOA lists in the 1980s due to Minnesota Department of Transport taking on the responsibility of coordinating the closing all rail, water, and air traffic during Site Area and General Emergencies.

MONTICELLO

7. Pooled Equipment Inventory Company (PEICo)
8. General Electric
9. CentraCare Health – Monticello (formerly New River Medical Center and Ambulance Service) (Transfer Agreement with North Memorial)
10. Sherburne County Emergency Services
11. Wright County
12. City of Monticello – to include Monticello Fire Department
13. St. Cloud Hospital (CentraCare) - St. Cloud

PRAIRIE ISLAND

14. Dakota County Emergency Services
15. Goodhue County Emergency Management
16. Pierce County Emergency Management
17. City of Red Wing – to include Red Wing Fire Department
18. Mayo Clinic Health System – Red Wing
19. Westinghouse Electric Company
20. State of Wisconsin
21. Sacred Heart Hospital
22. Prairie Island Indian Community
23. Canadian Pacific Railway- LOA is specific to only Prairie Island because of “critical crossing” to plant access

Attachment 6
RADIATION ENVIRONMENT MONITORING PLAN

Activation of the Radiation Environmental Monitoring Program (REMP) is accomplished through existing Site Emergency Plan Implementing Procedures.

In addition, a Letter of Agreement between The NSPM/Xcel Energy and Environmental, Inc. Midwest Laboratory exists which states Environmental, Inc. Midwest Laboratory will respond upon request to augment our environmental sampling and monitoring program.

Attachment 7
MONTICELLO AND PRAIRIE ISLAND CONSERVATIVE GUIDANCE FOR
PROTECTIVE ACTION AND RECOMMENDATION

See Site Plans

Attachment 8
EVACUATION TIME ESTIMATES – PRAIRIE ISLAND

**EVACUATION TIME ESTIMATES FOR THE PLUME
EXPOSURE PATHWAY EMERGENCY PLANNING ZONE**

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

Prepared for:
Xcel Energy

Prepared by:
KLD Engineering, P.C.
43 Corporate Drive
Hauppauge, NY 11788

November 2012

The Evacuation Time Estimate Study was revised and completed November 2012. The revised Study replaces the one conducted in December 2008. The complete Study is on file. A copy of it can be made available upon request, to those who have a need.

Prairie Island Nuclear Generating Plant Protective Action Recommendations are based on the November 2012 Evacuation Time Estimate Study.

Attachment 9
EVACUATION TIME ESTIMATES - MONTICELLO

**EVACUATION TIME ESTIMATES FOR THE PLUME
EXPOSURE PATHWAY EMERGENCY PLANNING ZONE**

MONTICELLO NUCLEAR GENERATING PLANT

Prepared for:
Xcel Energy

Prepared by:
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43 Corporate Drive
Hauppauge, NY 11788

November 2012

The Evacuation Time Estimate Study was revised and completed November 2012. The revised Study replaces the one conducted in December 2008. The complete Study is on file. A copy of it can be made available upon request, to those who have a need.

Monticello Protective Action Recommendations are based on the November 2012 Evacuation Time Estimate Study.

Attachment 10

OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX

NUREG 0654 REFERENCE
REFERENCE

E-PLAN

A. Assignment of Responsibility

- | | | |
|------|-------------------------------|---|
| 1.a. | Response organization | Section 1.0
Section 5.6
Section 5.4 |
| 1.b. | Operation of organizations | Section 5.1
Section 3.0 |
| 1.c. | Organization's block diagrams | Attachment 1 |
| 1.d. | Responsible officials | Section 1.0
Section 5.1 |
| 1.e. | 24 hour response | Site Specific
Section 5.4.1 |
| 2.a. | Key functions | State/Local Specific |
| 2.b. | Legal basis | State/Local Specific |
| 3. | Written Agreements | Attachment 5 |
| 4. | Protracted operations | Section 3.1.1
FP-EP-IP-02 |

B. Onsite Emergency Organization

- | | | |
|----|---|------------------------------|
| 1. | Onsite Emergency Organization | Site Specific |
| 2. | Designated Emergency Coordinator | Site Specific |
| 3. | Line of succession | Site Specific |
| 4. | Emergency Coordinator Functional Responsibilities | Site Specific |
| 5. | Positions, titles, major tasks | Site Specific |
| 6. | Interfaces | Section 5.6
Site Specific |

Attachment 10 CONT'D

OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX

<u>NUREG 0654 REFERENCE REFERENCE</u>	<u>E-PLAN</u>
B. <u>Onsite Emergency Organization (Continued)</u>	
7. Augmentation of Onsite Organization	Section 3.0 Section 5.4 Site Specific
7.a. Logistics Support	Section 3.0 Site Specific
7.b. Technical Support	Section 3.0 Site Specific
7.c. Management Level	Section 3.0 Section 5.6 Site Specific
7.d. Media Releases	Section 3.1.1 Section 5.5
8. Contractor and private organization	Site Specific Site Specific
9. Services by local agencies	Attachment 5
C. <u>Emergency Response Support and Resources</u>	
1.a. Specific person for RAP/IRAP assistance requests	Section 5.4.2(5)
1.b. Specific federal resources expected	Section 5.4.2(5)
1.c. Specific resources available	Section 5.4.2(5)
2.a. Representative from state to licensee's EOF	State Specific
2.b. Representative from Licensee to state's EOC	Section 3.1.4
3. Identify radiological laboratories	Attachment 5 Site Specific

Attachment 10 CONT'D

OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX

NUREG 0654 REFERENCE
REFERENCE

E-PLAN

C.	<u>Emergency Response Support and Resources</u> (continued)	
4.	Emergency Assistance	Site Specific Section 5.4.2(5) Attachment 5
D.	<u>Emergency Classification System</u>	
1.	Emergency Classification System	Section 3.0 Site Specific
2.	Initiating conditions	Site Specific
3.	State and local emergency classification scheme consistent with licensee	State/Local Specific
4.	State/local implementing procedures	State/local specific
E.	<u>Notifications, Methods, and Procedures</u>	
1.	Response organization's notification and verification	FP-EP-IP-04 Site Specific
2.	Procedures for notifying, alerting, response personnel	Section 5.4.1(1) Section 5.4.1(2)
3.	Initial emergency message contents	Site Specific
4.	Provisions for follow-up messages including following information	Site Specific
a.	Location of incident and caller identification	
b.	Date/time of incident	
c.	Class of emergency	
d.	Type of release and estimated duration/impact time	

Attachment 10 CONT'D

OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX

NUREG 0654 REFERENCE
REFERENCE

E-PLAN

- | | | |
|----|--|-------------------------------------|
| E. | <u>Notifications, Methods, and Procedures</u> (continued) | |
| | e. Estimate of quantity of radioactive material released, points and heights of release | |
| | f. Chemical/physical form of material being released, including estimates of quantity/concentration of noble gases, iodines, particulates. | |
| | g. Meteorological conditions | |
| | h. Actual/projected dose rates/integrated dose at site boundary | |
| | i. Projected dose rates/integrated dose at 2, 5, and 10 miles | |
| | j. Estimate of any surface contamination | |
| | k. Licensee response actions underway. | |
| | l. Recommended emergency actions, Protective actions | |
| | m. Request for onsite support | |
| | n. Prognosis for worsening or termination of event | |
| 5. | State/local means of public information | State/local specific |
| 6. | Prompt notification and public information system | Section 5.6 |
| 7. | Written messages for public information | Section 5.5
State/local specific |

Attachment 10 CONT'D

OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX

**NUREG 0654 REFERENCE
REFERENCE**

E-PLAN

F. Emergency Communications

- | | | |
|------|---|---|
| 1.a. | Provisions for 24-hour notification and activation | Site Specific
Section 5.4.1(1)
Section 5.4.1(2)
Section 5.4.2(2) |
| 1.b. | Provisions for communications with state/local governments | Attachment 2
Site Specific |
| 1.c. | Provisions for communications with Federal emergency response organizations | Site Specific
Section 5.4.2(5)
FP-EP-IP-03 |
| 1.d. | Provisions for inter-licensee communications | Attachment 2
FP-EP-IP-03 |
| 1.e. | Provisions for alerting emergency personnel | Section 5.4 |
| 1.f. | Provisions for communications with NRC | FP-EP-IP-03
Attachment 2
Site Specific |
| 2. | Communications link for medical support | FP-EP-IP-03
Site Specific |
| 3. | Periodic testing of communications system | Section 5.9.3
Site Specific |

G. Public Education and Information

- | | | |
|------|---|------------------|
| 1. | Periodic dissemination of information to public | Section 5.5 |
| 2. | Public information program | Section 5.5 |
| 3.a. | Points of contact and physical location for media use | Section 5.3.3(4) |
| 3.b. | Space for media | Section 5.3.3(4) |

Attachment 10 CONT'D

OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX

NUREG 0654 REFERENCE
REFERENCE

E-PLAN

G.	<u>Public Education and Information</u> (continued)	
4.a.	Designated spokesperson	Section 3.1.2
4.b.	Arrangements for timely exchange of information	Section 3.1.1
4.c.	Arrangements for dealing with rumors	Section 3.1.1 Section 5.5.2 Section 5.5.3
5.	Coordinated programs for acquainting media with E-plans and procedures	Section 5.5.2
H.	<u>Emergency Facilities and Equipment</u>	
1.	Technical Support Center	Section 5.3.2 Site Specific
2.	Emergency Operations Facility	Section 5.3.1(2)
3.	Emergency Operations Center	State/local specific Section 5.3.3
4.	Timely activation and staffing of facilities	FP-EP-IP-04
5.	Onsite monitoring systems	Site Specific
6.	Offsite monitoring and analysis equipment	Site Specific
7.	Provide for offsite radiological monitoring equipment	Site Specific
8.	Provide meteorological equipment	Site Specific
9.	Operations Support Center	Site Specific

Attachment 10 CONT'D

OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX

NUREG 0654 REFERENCE
REFERENCE

E-PLAN

H.	<u>Emergency Facilities and Equipment</u> (continued)	
10.	Inspect, inventory, and operationally check emergency equipment	Site Specific Section 5.9.3
11.	Emergency kits	Site Specific
12.	Establish central point for receipt and analysis of field monitoring data	Section 5.3.1(2) Site Specific
I.	<u>Accident Assessment</u>	
1.	Initiating conditions and off-normal parameters and effluent values	Site Specific
2.	Onsite capabilities and resources to provide initial and continuing values	Site Specific
3.a.	Determining source term	Site Specific
3.b.	Magnitude of release	Site Specific
4.	Relationship between effluent monitor readings and onsite/offsite monitoring results	Site Specific
5.	Acquiring and evaluating meteorological data	Site Specific
6.	Methodology for determining release rate and projected dose	Site Specific
7.	Field monitoring capability	Site Specific
8.	Rapid assessment of actual or projected magnitude and locations of airborne releases	Site Specific

Attachment 10 CONT'D

OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX

NUREG 0654 REFERENCE
REFERENCE

E-PLAN

I.	<u>Accident Assessment</u> (continued)	
9.	Capability of determining activities as low as 10 uCi/cc	Site Specific
10.	Means to relate measured parameters to dose rates for key isotopes	Site Specific
11.	State/local arrangements to track Plume	State/local specific
J.	<u>Protective Response</u>	
1.	Warn and advise onsite personnel including:	
a.	Employees without emergency assignments	Site Specific
b.	Visitors	Site Specific
c.	Contractor and construction personnel	Site Specific
d.	Other personnel on or near site property	Site Specific
2.	Evacuation routes and transportation	Site Specific
3.	Provide for radiological monitoring of evacuees	Site Specific
4.	Evacuation of non-essential personnel	Site Specific
5.	Accountability	Site Specific
6.	Provisions for:	
a.	Individual respiratory protection	Site Specific
b.	Protective clothing	Site Specific
c.	Radio-protective drugs	Site Specific

Attachment 10 CONT'D

OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX

NUREG 0654 REFERENCE
REFERENCE

E-PLAN

J.	<u>Protective Response</u> (continued)	
7.	Recommendation of protective actions	Section 5.6 Site Specific
8.	Evacuation time estimates	Attachment 8 & 9
9.	State/local implementation of protective measures	State/local specific
10.	Plans to implement protective measures:	
	a. Maps of routes, evacuation areas, etc.	Attachment 8 & 9
	b. Maps of population distribution	Attachment8&9
	c. Means of notification of population	Site Specific
	d. Means to protect mobility impaired populace	State/local specific
	e. Use of Radio-protective drugs	State/local specific
	f. Decision process to use Radio-protective drugs	State/local specific
	g. Means of relocation	State/local specific
	h. Relocation centers	State/local specific
	i. Projected traffic capacities	State/local specific Attachment 8 & 9
	j. Control of access	State/local specific
	k. Identification/means of handling Impediments	State/local specific
	l. Time estimates for evacuation	State/local specific Attachment 8 & 9
	m. Basis for recommended protective actions	State/local specific Attachment 8 & 9 Site Specific

Attachment 10 CONT'D

OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX

NUREG 0654 REFERENCE
REFERENCE

E-PLAN

J.	<u>Protective Response</u> (continued)	
11.	Protective measures for ingestion pathway	State specific
12.	Registration and monitoring evacuees	State/local specific
K.	<u>Radiological Exposure Control</u>	
1.	On Site exposure guidelines for:	
a.	Removal of injured persons	Site Specific
b.	Undertaking corrective action	Site Specific
c.	Performing assessment actions	Site Specific
d.	Providing first aid	Site Specific
e.	Performing personnel decontamination	Site Specific
f.	Providing ambulance service	Site Specific
g.	Providing medical treatment services	Site Specific
2.	Onsite Radiation Protection Program	Site Specific
3	a. Emergency personnel dose determination	Site Specific
	b. Dose records and use of dosimeters	Site Specific
4.	Decision chain to exceed EPA PAG for emergency workers	State/local specific
5	a. Need for decontamination	Site Specific
	b. Means of decontamination	Site Specific
6.	Onsite contamination control for:	
a.	Area access control	Site Specific
b.	Drinking water/food supplies	Site Specific

Attachment 10 CONT'D

OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX

NUREG 0654 REFERENCE
REFERENCE

E-PLAN

K.	<u>Radiological Exposure Control</u> (continued)	
	c. Return of areas and items to normal use	Site Specific
	7. Decontamination of relocated onsite personnel	Site Specific
L.	<u>Medical and Public Health Support</u>	
5.10.1	1. Local and backup Hospital/Medical services	Attachment 5, Section
5.10.1	2. Onsite first aid capability	Site Specific, Section
	3. Lists of public, private, and military hospitals	State specific
5.10.1	4. Transportation of radiological accident victims	Attachment 5, Section
M.	<u>Recovery and Re-entry Planning and Post-Accident Operations</u>	
	1. Re-entry and recovery plans and procedures	Site Specific
	2. Position/title, authority and responsibilities	Site Specific
	3. Method of informing emergency organization	FP-EP-IP-04
	4. Periodic estimate of population exposure	Site Specific
N.	<u>Exercises and Drills</u>	
	1.a. Emergency preparedness exercise	Section 5.8.1
	1.b. Exercise mobilization	Section 5.8.1
	2. Emergency preparedness drills:	
	a. Communications drills	Section 5.9.3

Attachment 10 CONT'D

OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX

NUREG 0654 REFERENCE
REFERENCE

E-PLAN

N.	<u>Exercise and Drills</u> (continued)	
	b. Fire drill	Site Specific
	c. Medical emergency drills	Site Specific Section 5.10.8
	d. Radiological monitoring drills	Site Specific
	e. 1. Health physics drills 2. Inplant liquid samples	Site Specific Site Specific
3.	Exercise and drill development for:	
	a. Basic objectives	Site Specific
	b. Date(s), time period, participants	Site Specific
	c. Simulated events	Site Specific
	d. Time schedule of real/simulated events	Site Specific
	e. Narrative summary	Site Specific
	f. Description of arrangements for official observers	Site Specific
4.	Exercise critique	Site Specific
5.	Means of evaluating comments	Site Specific
O.	<u>Radiological Emergency Response Training</u>	
1.	Appropriate training assurances	Section 5.8.3 Site Specific
	a. Site Specific training	Site Specific
	b. Offsite response organization training	Section 5.8.3 State/local specific
2.	Onsite drills	Site Specific

Attachment 10 CONT'D

OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX

NUREG 0654 REFERENCE
REFERENCE

E-PLAN

O.	<u>Radiological Emergency Response Training (continued)</u>	
3.	First aid training	Site Specific
4.	Position training as follows:	
a.	Director/coordinator	Section 5.8.3 Site Specific
b.	Accident assessment personnel	Section 5.8.3 Site Specific
c.	Radiological monitoring and analysis	Section 5.8.3 Site Specific
d.	Police, security, fire fighting personnel	Section 5.8.3 Site Specific
e.	Repair and damage control personnel	Section 5.8.3 Site Specific
f.	First aid and rescue personnel	Section 5.8.3 Site Specific
g.	Local support services personnel	Section 5.8.3 Site Specific
h.	Medical support personnel	Section 5.8.3, 5.10.8 Site Specific
i.	Transmission of information and instruction personnel	Section 5.8.3 Site Specific
5.	Initial training and annual retraining	Section 5.8.3 Site Specific
P.	<u>Responsibility for the Planning Effort: Development Periodic Review and Distribution of Emergency Plans</u>	
1.	Training for responsible personnel of planning effort	Section 5.8.3
2.	Authority and responsibility	Section 1.0 Site Specific

Attachment 10 CONT'D

OFFSITE NUCLEAR EMERGENCY PLAN CROSS REFERENCE INDEX

NUREG 0654 REFERENCE
REFERENCE

E-PLAN

P.	<u>Responsibility for the Planning Effort: Development Periodic Review and Distribution of Emergency Plans (continued)</u>	
3.	Emergency Planning Coordinator designee	Section 1.0 Site Specific
4.	Update plan and agreements as needed, review and certify it to be current on an annual basis.	Section 5.9.1 Attachment 5
5.	Control of approved, revised plans and procedures	Section 5.9.2
6.	Detailed listing of supporting plans and sources	Section 5.0
7.	Appendix for Implementing Procedures	Section 5.11
8.	Specific Table of Contents	Table of Contents
9.	Annual independent reviews	Section 5.9.1
10.	Quarterly update of emergency telephone number	Section 5.9.3