WOLF CREEK
NUCLEAR OPERATING CORPORATION

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JAN 28 2000

CO 00-0001

U. S. Nuclear Regulatory Commission
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Subject: Docket No. 50-482: Changes to Wolf Creek Generating Station (WCGS) Radiological Emergency Response Plan, Implementing Procedures and Form

Gentlemen:

Enclosed are revisions to WCGS Radiological Emergency Response Plan (RERP), implementing procedures and a form. The RERP revision reflects those changes which ensure that the plan contains the information necessary to satisfy the program content requirements of 10 CFR 50, Appendix E and 10 CFR 50.54(q). These revisions were discussed with NRC staff during the August 30–September 3, 1999, inspection. The implementing procedures and associated form contain supplemental changes to update the titles of Shift Manager and Control Room Supervisor.

The attachment provides a summary of the changes made to the RERP.

The date of each revision is listed below.

Effective December 29, 1999: (Radiological Emergency Response Plan)
AP 06-002, Revision 1

Effective January 12, 2000: (Implementing Procedures)
EPP 06-001, Revision 1
EPP 06-002, Revision 2
EPP 06-005, Revision 1
EPP 06-007, Revision 2
EPP 06-008, Revision 0
EPP 06-009, Revision 0
EPP 06-010, Revision 1
EPP 06-012, Revision 2
EPP 06-015, Revision 0
EPP 06-018, Revision 0
EPP 06-019, Revision 0
EPP 06-021, Revision 1

Effective January 12, 2000: (Associated Form)
EPF 06-018-15, Revision 0

A045

If you have any questions concerning this submittal, please contact me at (316) 364-4048, or Mr. Michael J. Angus at (316) 364-4077.

Very truly yours,

Clay C. Warren

CCW/rlr

Enclosures

Attachment

cc: J. N. Donohew (NRC), w/e, w/a
G. Good (NRC), w/e, w/a
W. D. Johnson (NRC), w/o, w/a
E. W. Merschoff (NRC), w/e, w/a (2)
Senior Resident Inspector, w/o, w/a

Radiological Emergency Response Plan Change Summary

RERP STEP #	DESCRIPTION OF CHANGE
2.7	Added new step to indicate that no Corporate personnel respond to site to assist in the emergency because most of the personnel are already onsite.
6.1.8	Changed from "is" to "are" to make the sentence read correctly.
6.2.5 & substep 1	New step addresses that Emergency Action Levels (EALs) have been developed and agreed upon by State, County, and WCGS and approved by NRC. Substep discusses annual review by State and County.
6.2.6 & substeps	New step to cover the actions taken for each classification. Provides more detail for what happens at each emergency.
6.3.2.1	New substep to cover on-shift augmentation and activation.
6.3.3 & substeps	New step to address Notifications-- when made, time to make, who to notify and information contained in notification.
6.3.4.3	New step to cover sirens and tone alert radios for public notifications.
6.3.5	Deleted "s" from "points" and changed "are" to "is" to correct sentence, as there is only one point of contact.
6.3.9	Changed from "similar information for the critical receptor bioassay measurements that are taken" to "locations for collecting water samples."
6.3.12 substeps	New substeps to cover decontamination locations.
6.4.2.1	Added "inside the Protected Area" to end of first sentence to provide more accurate location of the TSC.
6.4.6.5 substep	Added new substep "a. Personnel may be monitored by portal monitors or friskers when entering or leaving WCGS facilities."
6.5.2	Added new bullet to ensure that the NRC Resident Inspector is notified as soon as possible after the State and County are notified.
6.5.2 fifth bullet	Added bullet to ensure NRC Resident Inspector is notified as soon as possible after the County and State are notified.
6.5.2 sixth bullet	Changed from "notifications are made to the NRC immediately and" to "notifications to the NRC are made as soon as possible."
6.5.3	Added words to indicate the ADS is initiated to call out the ERO.
6.5.5	Added new step to cover the shift Chemist doing dose assessment.
6.5.6	Added new step to cover the HP Tech duties.
6.5.7	Added new step to cover the Supervising Operator duties.
6.5.8	Added new step to cover the Reactor Operator duties.
6.5.9	Added new step to cover the Nuclear Station Operator duties.
6.5.10	Added new step to cover the Shift Engineer duties.
6.6.5.4	Changed "delegate" to "delegated" to correct sentence.
6.6.15 fifth bullet	Added new bullet to cover the new Security Coordinator position added to the TSC to provide communication link between the TSC staff and Security.
6.8.2.2	Added words to indicate the Wolf Creek Public Information Officer (WC PIO) coordinates with the County and State when making decisions.
6.8.2.3	Changed "delegate" to "delegated" to correct sentence.
6.8.4.1.c	Added new substep to include County and State personnel who join the field teams to monitor off-site releases.
6.9.1.a	Added substep to indicate the WC PIO coordinates with the County and State for information to be released to the public.
6.10.2.3 bullet	Step indicates the County may also set off the Emergency Alert System (EAS).
6.10.3.3	Added words to step to indicate the County may also set off the EAS.
6.10.5.4	Added that decontamination may be per County or State procedures also.
6.15.2	Changed from "regularly" to "quarterly" to better define when the supply inventories are required to be completed.
6.16.1.1	Added "on-site" and "off-site" to the appropriate system to indicate we have two systems and designate them as such.
6.16.1.1c	Added new step to cover backup communications with field teams.
6.16.1.2a	Added new step to cover primary communications with field teams.

Radiological Emergency Response Plan Change Summary

RERP STEP #	DESCRIPTION OF CHANGE
6.17.3	Added new step to ensure the Superintendent Emergency Planning (EP) implements corrective actions for weaknesses or deficiencies identified, initiated and corrected using WCGS procedures.
6.17.5	Added new step to address initial and requalification training for ERO personnel. Added back as a substep, the positions to be provided training. Added substep to state that critiques are performed after each training class.
6.17.6	Added wording to cover off-site response groups who have an emergency response role in the emergency annual training. Added new substep to explain the type of training that is involved.
6.17.7	Added "periodic" to provide for time period that drills would be performed. Also added new substep to address that the State and County will be allowed to play in drills if they so desire.
6.19.3	Added sentence to state that the County and State actively participate in the exercises.
6.19.6	Added new step to cover remedial exercises if NRC or FEMA determine the graded exercise is not acceptable.
6.20.1.2	Changed "should" to "shall." NRC indicated the old plan contained wording that meant this was a "shall" so it was changed from "should" to "shall".
6.20.2	Added that the Superintendent Emergency Planning is responsible for distribution of the RERP. Added substep to indicate that the RERP and approved changes are distributed to personnel who have responsibilities covered by the RERP.
6.20.3	New step that Emergency Planning personnel are to be trained.
6.21.1	Added words to differentiate who and when can activate the Recovery Plan.
Attachment A	Changed population numbers to match County Plan which used the 1992 census.
Attachment B	Changed population numbers to match County Plan which used the 1992 census. Changed "Golden Age Lodge" to "Burlington Life Care" to correctly list the changed name of the facility.
Attachment C	Page 3, Section D, changed from "EPP 06-2.1" to "EPP 06-005" which is the new procedure number.
Attachment D	Changed titles of Managers and the total number of positions on-shift.
Attachment E	Replaced the data in attachment with data from State Protective Actions procedure.
Figure 3	Added "Security Coordinator" to Organization chart.

WOLF CREEK
NUCLEAR OPERATING CORPORATION

AP 06-002

RADIOLOGICAL EMERGENCY RESPONSE PLAN (RERP)

Responsible Manager

Manager Resource Protection

Revision Number	1
Use Category	Reference
Administrative Controls Procedure	Yes
Infrequently Performed Procedure	No
Program Number	06

DC4 12/29/1999

TABLE OF CONTENTS

TABLE OF CONTENTS

1.0 PURPOSE

1.1 The purpose of the Wolf Creek Generating Station (WCGS) Radiological Emergency Response Plan (RERP) is to classify emergencies, assign responsibilities for actions, and to establish the lines of authority and communications to protect the public and plant personnel in the event of an emergency.

2.0 SCOPE

2.1 The RERP has been developed in accordance with 10CFR Part 50, Paragraph 50.47 and Appendix E, Regulatory Guide 1.101 and generally follows the guidelines of NUREG 0696 and 0654. The RERP is sensitive to a broad spectrum of emergency conditions which have been postulated for a commercial pressurized water reactor. Although the probability of an accident is low, the RERP is maintained to assure the safety and well-being of plant personnel and members of the public in the vicinity of WCGS.

2.2 The RERP interfaces with several related documents such as the Administrative Procedures (APs) and Emergency Plan Procedures (EPPs). Detailed instructions necessary to support the RERP are included in these procedures and are available for training, drill, and actual emergency use. The RERP references the WCGS Fire and Security Plans, Vendor contingency plans as well as those of medical support facilities and the Institute of Nuclear Power Operations (INPO). This document has been designed to coordinate with the State Emergency Operations Plan and the Coffey County Contingency Plan for Incidents Involving Commercial Nuclear Power, which govern the activities of these support groups in response to events at WCGS.

2.3 The RERP is based on a graduated, escalating level of emergency response which is activated as conditions at the plant warrant. This approach provides the flexibility necessary to ensure adequate emergency response to a spectrum of possible events. The RERP is designed to control emergency response activities ranging from initial event detection, classification of the event, notification of off-site authorities and providing protective action recommendations to the county and state.

2.4 The RERP reflects three chief phases of activation. First the response is dominated solely by the site staff, next the onsite and off-site public information facilities are jointly activated, and finally the recovery efforts are performed by site, public information facilities, vendor, and other critical support groups.

2.5 The WCGS normal operating organization and its functional responsibilities are described in the WCGS Technical Specifications, Administrative Procedures, Human Resources company organization charts and the WCGS Updated Safety Analysis Report (USAR). No further discussion of the normal operating organization is contained within the RERP.

2.6 The WCGS design bases accidents and various plant systems are listed and described in the WCGS Technical Specifications and USAR. No further discussion of these accidents or systems is contained within the RERP.

2.7 The owners of WCGS do not respond to the site during emergency events for augmentation. The Wolf Creek Nuclear Operating Corporation organization functions from the site during normal everyday operations.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 Coffey County Contingency Plan for Incidents Involving Commercial Nuclear Power (County Plan)

3.1.2 State of Kansas, Appendix 12, Nuclear Facilities Incidents Response Plan to Annex N, Nuclear Emergencies of the State Emergency Operations Plan (State Plan)

3.1.3 Updated Safety Analysis Report (USAR)

3.1.4 NUREG 0654, Criteria For Preparation And Evaluation Of Radiological Emergency Response Plans And Preparedness In Support Of Nuclear Power Plants

3.1.5 NUREG 0696, Functional Criteria For Emergency Response Facilities

3.1.6 NUREG 0737, Clarification Of TMI Action Plan Requirements

3.1.7 Title 10, Code Of Federal Regulations, Part 50

3.1.8 Regulatory Guideline 1.101

3.1.9 Regulatory Guide 1.145

3.2 Commitments

3.2.1 RCMS #93-325, Emergency Action Levels Converted To NUMARC EALs

3.2.2 APF 06-002-01, EMERGENCY ACTION LEVELS, required to have a USQD and a 50.54(q) review performed for each revision.

3.2.3 RCMS #96-076, Administrative EAL Changed To Reflect NUMARC/NESP-007 Definitions

3.2.4 RCMS #96-077, System Malfunction EAL Changed To Provide Better Guidance For Loss Of Equipment Needed In Modes One Through Four

3.2.5 RCMS #96-078, Natural Phenomena EAL Changed To Cover Ice And Other Natural Occurrences Which Could Impact Safety Systems

4.0 DEFINITIONS

4.1 Administrative Procedures (APs)

4.1.1 Procedures which provide programmatic responsibilities and are typically used to solve problems, assemble documentation, process information, and present results of administrative functions.

4.1.2 Administrative procedures control activities affecting quality or nuclear safety.

4.2 As Low As Reasonably Achievable (ALARA)

4.2.1 Making every reasonable effort to maintain exposures to radiation as far below dose limits as is practical, consistent with the purpose for which the licensed activity is undertaken, taking into account the state of technology, the economics of improvements in relation to benefits to the public health safety, and other societal and socioeconomic considerations.

4.3 Alert

4.3.1 Events are in process or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant. Any releases are expected to be limited to small fractions of the Environmental Protection Agency (EPA) Protective Action Guideline (PAG) exposure levels.

4.4 Assessment Actions

4.4.1 Those actions taken during or after an accident to obtain and process information that is necessary to make decisions to implement specific emergency measures.

4.5 Coffey County Emergency Operations Center (County EOC)

4.5.1 The base of operations for the Coffey County Emergency Response Organization.

4.6 Consultant/Vendor

4.6.1 The Nuclear Steam System Supplier (NSSS), Architect/Engineer, and other organizations who have available multidiscipline teams ready to support emergency response and Recovery Operations.

4.7 Control Room

4.7.1 The location at the WCGS from which the reactor and its auxiliary systems are normally controlled.

4.8 Drill

4.8.1 A supervised activity used to develop and maintain skills. On the spot correction of erroneous performance is permitted.

4.9 Emergency Action Levels (EALs)

4.9.1 Radiological dose rates; specific contamination levels of airborne, waterborne or surface-deposited concentrations of radioactive materials; or specific instrument indications that may be used as thresholds for designating a particular class of emergency.

4.10 Emergency Alert System (EAS)

4.10.1 A coordinated network of broadcasters (e.g. Radio, Television, Cable) that allows the President to address the nation, Governors to address their State and public safety officials to address local citizens with emergency information.

4.11 Emergency Classification

4.11.1 A system used to define the severity of emergencies into one of four categories based upon projected or confirmed emergency action levels. Classifications listed in order of increasing severity are Notification of Unusual Event (NUE), Alert, Site Area (SAE) and General Emergency (GE).

4.12 Emergency Operations Facility (EOF)

4.12.1 This facility serves as a base of operations for all emergency plant support activities, site environmental surveillance, communications with supporting agencies, and the WCGS Emergency Organization.

4.13 Emergency Plan Procedures (EPPs)

4.13.1 Specific procedures providing step-by-step actions to implement the WCGS Radiological Emergency Response and Recovery Plans, and to provide guidance to improve or terminate an emergency situation.

4.14 Evacuation Registration Centers

4.14.1. Facilities designated for receiving personnel evacuating the Emergency Planning Zone (EPZ) for accountability, contamination monitoring and decontamination.

4.15 Exclusion Area

4.15.1 That area within a 1200-meter radius of the Containment Building in which WCGS has the authority to determine all activities including exclusion or removal of persons and property from the area.

4.16 Executive Management

4.16.1 Those members of WCGS management at the vice president level and above.

4.17 Exercise

4.17.1 An event that simulates a radiological emergency condition, incorporates the integrated capability of the basic elements existing within the Radiological Emergency Response Plan (RERP). These events are normally evaluated by FEMA / NRC.

4.18 General Emergency (GE)

4.18.1 Events are in process or have occurred which involve actual or imminent substantial core degradation with potential for loss of containment integrity. Releases can reasonably be expected to exceed EPA Protective Action Guideline exposure levels off-site for more than the immediate site area.

4.19 Immediate Notification

4.19.1 Notification made to State of Kansas and Coffey County authorities within 15 minutes of a declared emergency at WGCS.

4.20 Information Clearinghouse (IC)

4.20.1 The facility where news statement and news conference materials for the media are prepared.

4.21 Kansas State Emergency Operations Center (State EOC)

4.21.1 The command-and-control center for the state.

4.22 Licensed Operators

4.22.1 WCGS Reactor Operators and Senior Reactor Operators who are licensed under 10CFR55 and who stand watches on shift and report to the Shift Supervisor.

4.23 Media Center (MC)

4.23.1 Facility utilized as a focal point for giving information to the media through news conferences.

4.24 Notification of Unusual Event

4.24.1 Events in process, or have occurred, which indicate a potential degradation of the level of safety of the plant. No releases of radioactive material requiring off-site response or monitoring are expected unless further degradation of safety systems occurs.

4.25 Off-site

4.25.1 Any area outside the Exclusion Area of WCGS.

4.26 Onsite

4.26.1 Any area inside the Exclusion Area of WCGS.

4.27 Operations Support Center (OSC)

4.27.1 A staging area for emergency teams to support the emergency response effort.

4.28 Protective Actions

4.28.1 Those emergency measures taken before or after a release of radioactive material has occurred for the purpose of preventing or minimizing radiological exposures to personnel.

4.29 Protective Action Guides (PAGs)

4.29.1 Guides promulgated by the Environmental Protection Agency (EPA) which set dose limits for the evacuation of the public during an accident condition at a nuclear power plant.

4.30 Radiologically Controlled Area (RCA)

4.30.1 An area to which access is controlled by WCGS for purposes of protection of individuals from exposure to radiation or radioactive materials.

4.31 Recovery

4.31.1 Post-emergency efforts initiated to restore WCGS to full operation or place the plant in a safe shutdown condition until full operation can be resumed.

4.32 Site Area Emergency (SAE)

4.32.1 Events are in process or have occurred which involve actual or likely major failures of plant functions needed for protection of the public. Any releases are not expected to result in exposure levels which exceed EPA Protective Action Guideline exposure levels except near the site boundary.

4.33 Technical Support Center (TSC)

4.33.1 The TSC serves as a center outside of the Control Room that acts in support of the command-and-control function and houses the OSC organization. Plant status and diagnostic information are available at this location for use by technical and management personnel in support of reactor command-and-control functions.

5.0 RESPONSIBILITIES

5.1 Site Emergency Manager

5.1.1 Assumes command and control of the emergency and directs onsite response to stabilize plant conditions.

5.2 Off-site Emergency Manager

5.2.1 Assumes command and control of the emergency and interfaces with off-site agencies.

5.3 Superintendent Emergency Planning

5.3.1 Ensures the Emergency Planning Program is implemented and maintained as required to protect the health and safety of the public.

5.3.2 Ensures changes to the overall Emergency Planning Program meets the standards of 10CFR50.47(b) and the requirements of 10CFR50, Appendix E.

5.4 Nuclear Safety Review Committee (NSRC)

5.4.1 Ensures a review of the WCGS Emergency Preparedness Program will be performed at least once every twelve months in accordance with 10CFR 50.54(t).

5.5 President and Chief Executive Officer

5.5.1 Maintains overall authority and responsibility for the WCGS Emergency Preparedness Program.

5.6 Public Information Officer (PIO)

5.6.1 The PIO has the authority and responsibility for the WCGS Public Information Organization and all plant information disseminated to the media.

5.7 Shift Supervisor (SS)

5.7.1 The Senior Reactor Operator designated by WCGS management with immediate onsite authority and responsibility for the safe and proper operation of the plant. This position is staffed at all times. The SS is responsible for the initial evaluation of any abnormal or emergency situation and for directing the appropriate response. He assumes responsibilities of the Emergency Manager until relieved.

6.0 PROCEDURE

6.1 Site Description

6.1.1 WCGS is a Pressurized Water Reactor (PWR) nuclear generating station operated by Wolf Creek Nuclear Operating Corporation (WCNOC).

6.1.2 WCGS is located near the center of Coffey County, Kansas (KS), about 3.5 miles northeast of Burlington, the county seat, 90 miles southwest of Kansas City, MO and 55 miles south of the state capital Topeka, KS.

6.1.3 The immediate site environs are sparsely populated. Burlington and New Strawn are the major population centers. John Redmond Reservoir (JRR) and Coffey County Lake (CCL) are the major recreational facilities. Most of the seasonal or daily shifts in population are associated with recreational areas around JRR and CCL. Approximately 70% of the annual visitors to the John Redmond Reservoir and Coffey County Lake come to the area during the summer months.

6.1.4 Coffey County totally encompasses the 10-mile Plume Exposure Emergency Planning Zone (EPZ) which forms a major consideration in the RERP.

6.1.5 The total population of the effective 10-mile EPZ is shown in ATTACHMENT B, SUBZONE EVACUATION TIMES. With the exception of Burlington and the other population centers listed in ATTACHMENT A, EFFECTIVE 10-MILE POPULATION CENTERS, the population density of the effective 10-mile EPZ is approximately 4.4 persons per square mile. Other than the WCGS, there are no large industries in the area.

6.1.6 Principal geographical features within the effective 10-mile EPZ are the Neosho River, JRR, and CCL. The land around WCGS is flat with scattered low hills. Dense vegetation in the form of large trees exists on the banks of the river and in recreational areas. There are no topographical features within the effective 10-mile EPZ that significantly influence the design of the Alert and Notification System.

1. Sparsely populated farm land comprises the majority of the effective 10-mile EPZ.

2. The site also demonstrates favorable topography, demography, and meteorology, which have been factored into many analyses that support the emergency planning effort.

3. The Neosho River is oriented northwest-southeast and extends to within 3 miles southwest of the plant.

4. The main dam of the John Redmond Reservoir is 3.5 miles west of the plant. This water conservation pool is approximately 4 miles in diameter with a surface area of 15 square miles.

5. The Coffey County Lake is approximately 7 miles long with a normal surface area of 8 square miles.

6.1.7 Approximately 99% of the 10-mile EPZ is located within Coffey County and 1% within Anderson County. The EPZ has been defined by developing sub-zones based upon natural and political subdivisions. These have been described for evacuation zones approximating 2, 5 and 10-mile radial rings. This distribution allows ready identification of areas to be evacuated and facilitates public recognition of subzones in which they work or reside. FIGURE 1, EFFECTIVE 10 MILE EPZ, SUBZONES AND EVACUATION ROUTES, presents the 2, 5 and 10-mile radial zones and subzones which provides the basis for the design of an alert and notification system.

6.1.8 The meteorological conditions within the effective 10-mile EPZ are characterized by a distinctly continental climate with warm humid summers and highly variable winter weather. Maritime tropical air originating over the Gulf of Mexico is the dominant air mass from June through August. This air mass is quite humid resulting in considerable thunderstorm activity. From November through February, continental polar air dominates the climate.

6.2 Emergency Classifications

6.2.1 10 CFR Part 50, Appendix E, Section IV.C, requires a classification scheme of four specific levels of emergencies. NUMARC/NESP 007 is identified within REGULATORY GUIDE 1.101 and is considered by the NRC as an acceptable alternative method to that described in Appendix 1 to NUREG 0654. [Commitment Step 3.2.1]

6.2.2 An emergency class is a qualitative estimate of the status of the plant. Inputs to the emergency classification system include the status of plant systems and the levels of radiation in plant areas and effluents. However, an emergency class does not give a qualitative or quantitative estimate of the subsequent status of the plant or radioactive release.

6.2.3 The emergency classes are used by off-site authorities to determine the level of preplanned actions to be taken by their emergency organizations. Protective actions taken on behalf of members of the public are the legal responsibility of state and local government.

1. The functional interfaces between WCGS and other emergency organizations are shown in FIGURE 6, EMERGENCY ORGANIZATIONS INTERFACES.

6.2.4 The classification system used at WCGS is an approach that ranges from primarily event-based for Unusual Event to primarily symptom or barrier-based for General Emergencies. This is to better assure that timely recognition and notification occurs, that events occurring during refueling and cold shutdown are appropriately covered, and that multiple events can be effectively treated.

6.2.5 The Emergency Action Levels (EAL) are contained in APF 06-002-01, EMERGENCY ACTION LEVELS. The EAL have been developed and agreed upon by WCGS, the State of Kansas and Coffey County and approved by the NRC. [Commitment Step 3.2.1]

1. The EAL are reviewed annually by the State and County.

6.2.6 Each emergency classification causes certain actions to happen such as notifications, activation and evacuation.

1. An NUE requires plant personnel, the County and State to be notified. No evacuation or activation required.

2. An Alert requires plant personnel, the County and State to be notified. The ERO is called out and the emergency facilities are activated. Accountability may be performed if necessary.

3. A Site Area Emergency requires plant personnel, the County and State to be notified. The ERO is called out and the emergency facilities are activated. The protected area is evacuated of non-responding personnel for accountability. JRR and CCL are evacuated. Accountability for site personnel is performed.

4. A General Emergency requires plant personnel, the County and State to be notified. The ERO is called out and the emergency facilities are activated. The site is evacuated of non-responding personnel. JRR and CCL are evacuated. Accountability for site personnel is performed.

6.3 Emergency Measures

6.3.1 Protective actions to minimize personnel exposure are taken when an incident has occurred, or may occur, which could result in a fission product barrier challenge or breach. In addition, protective actions are taken for personnel onsite for situations such as fires or flooding, where personnel safety is threatened.

6.3.2 Emergency measures consist of assessment, corrective, and protective actions. The Shift Supervisor and Senior Reactor Operators assume immediate responsibility for accident assessment and mitigation. The RERP and detailed emergency actions are based on the assumption that, in an emergency, licensed operators take appropriate measures to maintain or return the facility to a safe condition, in accordance with operating license conditions and the technical specifications.

1. Callout of the ERO to augment the on-shift staff and to activate the Emergency Facilities is performed at an Alert or higher classification or whenever augmentation is deemed necessary.

6.3.3 Immediate and Follow-up notifications made to State and County authorities provide information for their use in making prompt decisions for notifying the public and ordering off-site protective actions.

1. Immediate notifications are made for each emergency classification.

2. Immediate notifications are made to the Coffey County Sheriff dispatcher and the Kansas Division of Emergency Management State Duty Officer within 15 minutes.

3. The notification form contains information agreed upon by WCGS, the State and County for each of the Immediate and Follow-up notifications. The following is a list of information that may be on the form:

   o Name of facility

- o Date and time of classification
- o Classification
- o Release status, type of material and estimated duration
- o Affected subzones, if any
- o Message authentication of phone call
- o Recommended Protective Actions
- o Meteorological conditions
- o Dose rates at site boundary
- o Event Prognosis, worsening or termination

6.3.4 Actions to protect the general public, and criteria for their implementation, are described in the State Plan. Protective action recommendations are made to the County and State authorities.

1. ATTACHMENT E, EPA/KANSAS PROTECTIVE ACTION GUIDES, illustrates the EPA/Kansas PAGs for members of the public in the vicinity of WCGS and contains information typical of what may be used for the PAR guidelines. The Attachment provides guidelines and action levels to be used to develop protective action recommendations. Actions taken off-site are the responsibility of County and State officials.

2. Evacuation is the normally anticipated off-site protective action. Sheltering may be the preferred protective action when it will provide protection equal to or greater than evacuation. ATTACHMENT B, SUBZONE EVACUATION, contains evacuation times for the general and transient public.

3. An Alert and Notification System, made up of a number of sirens, is one means of alerting the public. Tone Alert radios are also used for notifications.

6.3.5 Contact point for information concerning the County Plan, protective measures, and special needs of the handicapped is the County Emergency Preparedness Office.

6.3.6 Additional resources available for accident assessment include the Post Accident Sampling System, accident monitoring, and in-plant iodine instrumentation under accident conditions. Detailed discussions of these resources and their capabilities are found in the USAR.

6.3.7 The Emergency Dose Calculation Program (EDCP) is a computerized method to provide dose estimates using actual or estimated meteorological data (wind speed, wind direction, degree of cloud cover, day or night determination) and radiological effluent data (actual measurements, estimated values based upon USAR source terms, or field measurements). EDCP is designed to: [Reference Step 3.1.9]

1. Use radiological and meteorological information to provide an estimate of off-site exposure.

2. Be capable of estimating release rates and off-site exposures from off-site field team data.

3. Be capable of estimating release rates and off-site exposures for an unmonitored, pressure driven containment release using the Containment High Area Radiation Monitor readings and changes in containment pressure.

4. Off-site dose predictions when combined with actual release duration information and meteorological data during an event, provide sufficient data to estimate the cumulative population dose resulting from the event. The actual off-site population dose is confirmed by off-site monitoring, sampling and analysis.

6.3.8 Radiological monitoring teams have a goal of 60 minutes from the declaration of Alert or greater emergency to be ready for deployment to confirm effluent readings and verify plume emission and locations.

6.3.9 FIGURE 7, WCGS EMERGENCY RESPONSE FACILITIES, provides a view of the off-site area, showing the location of the EOF. FIGURE 8, DIRECT RADIATION PATHWAY SAMPLING LOCATIONS, shows the fixed air sampling and TLD locations. FIGURE 9, WATERBORNE PATHWAY SAMPLING LOCATIONS, shows locations for collecting water samples.

6.3.10 At a Site Area Emergency, General Emergency, or when accountability is required, all personnel not responding to an Emergency Response Facility report to an assembly area for accountability and additional information. ERO personnel report to their assigned emergency facility. Security reports the results of accountability to the TSC.

6.3.11 If the Exclusion Area is evacuated, then Security shall direct an inspection of the lake and land area within the Exclusion Area but outside of the Protected Area to ensure that all personnel not responding to an Emergency Response Facility are evacuated from the Exclusion Area.

6.3.12 WCGS procedures contain decontamination instructions and guidelines. Methods for determining if the individual is a potential inhalation or ingestion contamination case are also provided. The Radiological Coordinator or appropriate Health Physics supervisory personnel will review the records generated by decontamination procedures.

1. Decontamination can be performed in the access control area of the Control Building, in the HVAC room of the TSC, and in the laboratory area in the EOF.

2. Other decontamination areas are setup as designated by the Health Physics personnel on the ERO.

6.3.13 Respiratory protective devices and protective clothing are stored at several locations onsite and at the EOF. The use of protective clothing and respiratory protection equipment is governed by normal WCGS procedures.

6.3.14 A supply of potassium iodide (KI) is maintained at the Control Room, TSC and the EOF to be used in the event that an individual may be exposed to radioiodine.

6.3.15 There are suggested levels of exposure to be accepted in emergencies. Immediate reentry may be necessary to save a life, account for missing personnel, or secure vital equipment. The Emergency Managers are ultimately responsible for exposure control and can permit the receiving of up to 5 REM per person for work activities, 10 REM for saving valuable equipment and 25 REM for lifesaving after consulting with the NRC, if feasible. Exposure which might exceed 25 REM, for lifesaving activities, must be approved by an Emergency Manager. Although EPA and NRC do not provide specific guidance for the upper bounds for lifesaving exposure, WCGS has chosen to use the following criteria:

1. Emergency Managers shall not knowingly permit an individual's exposure to exceed 25 REM, unless it is for lifesaving activities or protection of large populations. Emergency Managers shall not knowingly permit an individual to enter a high dose area if the projected Total Effective Dose Equivalent (TEDE) is expected to exceed 75 REM.

   - Those individuals designated to exceed 25 REM must be volunteers and be fully aware of the risks involved.

2. Emergency Managers should obtain the advice and concurrence of the Radiological Coordinators in approving additional exposure.

6.3.16 Under emergency conditions, normal exposure controls are maintained. This is ensured by the on-shift Health Physics Technician (HP) in the Control Room, the Team Directors in the TSC and EOF.

6.3.17 The Radiological Coordinator has responsibility for maintaining exposure control for site activities, including establishment of access control at alternate locations. Strict exposure control of individuals passing through the access point is maintained on a 24-hour-per-day basis.

6.3.18 In order to enhance the exposure control process and to provide dosimetry for an expanded number of people, dosimetry vendors are available to expedite shipment of extra dosimetry devices to supplement existing onsite supplies of dosimetry equipment and to supply personnel to assist in onsite appraisal of exposures.

6.3.19 When activated, the Emergency Response Team covers emergency sampling, surveying, analysis, and hazard evaluation.

6.3.20 The Post Accident Sampling System (PASS) accomplishes automatic, remote-controlled reactor coolant system and containment atmosphere sampling while minimizing personnel exposure.

6.3.21 Personnel, instruments, and equipment are to be monitored at the access control point. Personnel and equipment decontamination is controlled in accordance with WCGS procedures.

6.3.22 WCGS maintains control over the Exclusion Area as necessary, restoring affected onsite areas to acceptable conditions for access.

1. Reentry into affected areas is a controlled evolution. Surveys are performed, environmental samples are obtained and analyzed, and areas posted or decontaminated.

6.3.23 Contamination limits for food supplies and drinking water are based upon the State of Kansas Protective Action Guides, as presented in ATTACHMENT E, EPA/KANSAS PROTECTIVE ACTION GUIDES.

6.4 Emergency Facilities

6.4.1 Control Room Facilities

1. The Control Room is designed to be habitable under emergency conditions. The Control Room contains controls, instruments, and communications equipment necessary for operation of the plant under both normal and emergency conditions. The ventilation system, shielding, and structures are designed and built to permit continuous occupancy during a postulated design basis accident.

2. Equipment available in the Control Room gives early warning and continuous evaluation of potential emergency situations. Portable radiation survey instruments are readily available within the Control Room.

3. Access to the Control Room is controlled by the Shift Supervisor.

6.4.2 Technical Support Center Facilities

1. The TSC is a brisk 2 minutes and 15 seconds walk from the Control Room inside the Protected Area. This is sufficiently close to permit face-to-face interaction between personnel in the Control Room and the TSC, should telephone communications become inoperable.

2. The TSC is activated in the event of an Alert or higher emergency. The TSC may also be activated during an NUE at the discretion of the Shift Supervisor.

3. The TSC is designed to the seismic criteria of the Uniform Building Code. It is designed to withstand 100-year-recurrence winds and is located above the probable maximum flood level.

   a. The manually activated single-train, non-seismic Category I TSC ventilation system utilizes high-efficiency particulate air and charcoal filters. The radioiodine monitoring equipment in the TSC provides a designed minimum detectable level of 1.0E-07 uCi/cc radioiodine. A radiation monitor (including the monitor for radioiodines) alarms to alert TSC personnel if radiation levels may affect the habitability of the TSC.

   b. Portable radiation monitoring equipment, is provided in the TSC for backup radiation monitoring capability.

   c. Equipment for Emergency Response Teams is available in the TSC. This equipment includes protective clothing, dosimetry, survey meters and respirators.

   d. A diesel generator is available to provide backup power to the TSC. Until the diesel is loaded, batteries are available for Nuclear Plant Instrument System (NPIS).

   e. The TSC is sized to accommodate a minimum of 25 persons and has the same radiological habitability as the Control Room under accident conditions.

4. Personnel in the TSC have access to the following materials:

   o WCGS USAR, Environmental Report, and Technical Specifications

- o Plant operating and emergency procedures
- o WCGS, State, and Coffey County emergency response plans
- o System drawings, schematics, and diagrams

6.4.3 Operations Support Center

1. The OSC is housed in the TSC and is activated whenever the TSC is activated.

2. The OSC serves as an assembly area for plant personnel immediately serving in emergency repair or Health Physics support capacity during an event. The OSC functions include the coordination, formation and dispatch of Emergency Response Teams.

3. The basement of the Security Building has been identified as an alternate location for the OSC function. It contains telephones and a Gai-Tronic call box, which will allow direct communications with the other emergency centers. Portable radios are available to key personnel to further provide communications with other emergency centers.

6.4.4 Emergency Operations Facility (EOF)

1. The EOF is located approximately 2.8 miles north northwest of WCGS, in the Dwight D. Eisenhower Learning Center, and is activated at an Alert or higher emergency. Following facility activation, overall emergency response is managed from the EOF.

   a. This facility serves as a center for evaluation and coordination of environmental activities related to the emergency including radiological assessment and the evaluation of potential or actual radioactive releases from the plant.

2. The EOF design life is equivalent to that of the plant and engineered such that a protection factor of greater than 5 is provided to attenuate 0.7 MeV gamma radiation.

   a. The EOF is provided with a manually activated, single-train, non-seismic Category I ventilation system which incorporates a HEPA filter system and fixed radiation monitors, including an alarming monitor for radioiodines (with a minimum detectable level of 1.0E-07 uCi/cc).

b. A diesel generator is available to provide backup power to the EOF. Until the diesel is loaded, batteries are available for NPIS equipment use upon loss of AC power.

c. The EOF is sized to accommodate at least 35 persons.

3. Accommodations and telephones are provided for a limited number of County, State and Federal personnel. Facilities are provided for staging field survey efforts from the EOF.

4. The EOF serves as the base of operations for evacuation assessments and for communications with federal, state, and local response organizations. Radio and telephone links are available to the TSC, and Control Room.

5. Personnel in the EOF have access to the following materials:

   - o WCGS USAR, Environmental Report, and Technical Specifications
   - o Plant operating and emergency procedures
   - o WCGS, State, and Coffey County emergency response plans
   - o System drawings, schematics, and diagrams

6. Arrangements have been made to use the Kansas Power and Light (KPL) Customer Business Office located at 210 E. 2nd, Emporia, KS as the backup EOF. This facility is located approximately 28 air miles west of the plant. Telephones available at this location ensure the provision for continuity in decision-making functions and for communications supporting dose projections.

6.4.5 Public Information Facilities

1. At an NUE or Alert the Information Clearinghouse (IC) is established in the Dwight D. Eisenhower Learning Center. The Phone Team and Media Center (MC) are activated when needed. The IC, Media Center and Phone Team are kept in close proximity to each other to facilitate coordination of information in the form of news statements, news conferences or telephone conversations.

a. If a radioactive release requires that the Public Information Organization be relocated, they will be moved to the Kansas State Defense Building, 2800 Topeka Ave., in Topeka, KS.

b. Dedicated telephone lines allow contact between the IC, TSC, and the EOF. The IC contains status boards, appropriate office supplies, computer(s), printer(s), faxing and photocopy capabilities, and outside telephone lines.

2. The Wolf Creek PIO, the State PIO and Coffey County PIO communicate with the IC to obtain technical information. The PIOs prepare news statements at the IC and coordinate their efforts.

3. The MC accommodates news conferences. The MC and Media Room is established in the Dwight D. Eisenhower Learning Center. The MC is activated by the Public Information Manager when needed during an NUE or Alert, and will be activated for a Site Area or General Emergency.

   a. If radioactive releases require that the MC be re-located, the MC will be moved to the Nickell Memorial Armory, 2722 S. Topeka Ave., Topeka, KS. The Topeka facility will accommodate several hundred media representatives in an auditorium and adjoining Media Room.

   b. The Media Room is a facility setup to provide the media with a work area, audio/visual material, outside telephone lines and public information status boards.

4. The Kansas City Power and Light (KCPL) General Office (GO) is where the Media Monitoring Team performs rumor control functions for WCGS, the State and Coffey County. The KCPL GO contains equipment and supplies, and has fax and telephone communications with the IC. All approved news statements and information are transmitted to the KCPL GO after the IC is activated.

   a. The Media Monitoring Team reports to the Rumor Control Coordinator. This team notifies the Rumor Control Coordinator of any rumors or misinformation heard or observed from their monitoring of the media.

6.4.6 Onsite Medical Facility

1. A medical facility located in the Clyde Cessna building, is staffed with a full time Physicians Assistant. This facility is equipped to provide basic medical response capabilities.

2. First aid kits are located throughout the site. Emergency supplies and equipment are also available to ensure that assistance can be provided to contaminated personnel.

3. Shift personnel, trained in first aid, are available onsite 24 hours per day. Priority should be given to treating those with the most urgent medical needs.

4. In the case of contamination, efforts are made to decontaminate injured personnel onsite, as soon as practicable. However, first aid or removal of the individual from a hazardous environment, takes precedence over decontamination efforts. If decontamination is not possible, the victim is covered in such a manner as to avoid any spread of contamination until medical aid can be obtained or hospitalization accomplished.

5. Personnel leaving the RCA are monitored for contamination. All personnel are monitored for contamination before leaving the site.

   a. Personnel may be monitored by portal monitors or friskers when entering or leaving WCGS facilities.

   b. Personnel found to be contaminated must undergo decontamination under the direction of health physics personnel using health physics supplies and equipment available during routine activities. Release limits for personnel decontamination are found in the Radiation Protection Manual.

6.4.7 State and County Facilities

1. Coffey County Emergency Operations Center (County EOC) is located in the Coffey County Courthouse, Burlington, KS. The County EOC is a command center for county agencies and a mustering area for personnel who arrive in the WCGS area in response to an emergency. The County EOC is activated at the Alert level with the additional support staff activated upon declaration of an SAE or GE. Other centers are established as the emergency needs dictate.

2. Kansas State Emergency Operations Center (State EOC), located in the State Defense Building, 2800 South Topeka Avenue, Topeka, KS, is the command-and-control center for the State.

3. The State Forward Staging Area is located about 11 miles north of WCGS in the roadside park at the intersection of Old Highway 50 and U.S. 75. When it becomes necessary for the State to dispatch emergency personnel to the plume exposure pathway emergency planning zone (EPZ), the State activates the State Forward Staging Area to serve as a secondary base of operations for state personnel and a local contact point with Coffey County.

6.4.8 Evacuation Registration Centers

1. People in the EPZ evacuating to Emporia on I-35, should exit I-35 at Merchant Street and go to the Emporia State University Physical Education building at 18th and Merchant.

2. People in the EPZ evacuating to Garnett should use 12th Rd, 16th Rd, Hwy. 31 or Hwy. 57 East to go to the Anderson County Jr/Sr High School.

6.5 Control Room Organization

6.5.1 The Shift Supervisor is responsible for the initial evaluation and classification of any abnormal situation and for directing the appropriate response, including initial activation of a callout.

1. Control Room personnel are on shift 24 hours a day. The shift complement is shown in Figure 2, MINIMUM SHIFT COMPLEMENT.

6.5.2 Upon declaration of an emergency, the SS assumes the duties of Emergency Manager. The SS normally goes to and remains in the Control Room unless it is necessary for him to leave the Control Room in order to perform specific assessment, corrective, or protective actions. The SS performs the following actions:

- o Initiate appropriate technical measures to mitigate the event
- o Determine if releases have occurred, make the necessary assessment of the off-site concentration of radioactivity resulting from a release, and evacuate non-essential personnel if necessary
- o Direct the activities of the Control Room Emergency Notification System (ENS) and Off-site Communicators
- o Ensure immediate and follow-up notifications are made which provide sufficient information on emergency classification, plant status, off-site dose projections or measurements, and issue recommendations for off-site protective actions to authorities responsible for off-site emergency measures
- o Ensure NRC Resident Inspector is notified as soon as possible after the State and County are notified
- o Ensure notifications to the NRC are made as soon as possible within 60 minutes of classification of an emergency in accordance with 10CFR50.72(a)(3)
- o Ensure other notifications are made in accordance with EPPs
- o Activate onsite emergency teams if required
- o Notify plant personnel of the change in plant status

6.5.3 Off-site Communicator

1. The Off-site Communicator reports to the SS, performs initial notifications, and initiates the Automatic Dialing System (ADS) to callout the ERO.

   a. Non-Responding Emergency Communicators (NREC) assist in the manual callout of personnel to staff the ERO if the ADS is not functioning.

6.5.4 Emergency Notification System (ENS) Communicator

1. The ENS Communicator reports to the SS and maintains communications with the NRC.

6.5.5 Chemistry Technician

1. The Chemistry Technician reports to the SS and performs dose assessment until relieved by Dose Assessment personnel in the EOF.

6.5.6 Health Physics Technician

1. The Health Physics Technician reports to the SS and performs radiation monitoring for personnel sent from and in the Control Room.

6.5.7 Supervising Operator

1. Reports to the Shift Supervisor and provides direction to Reactor Operators and Nuclear Station Operators for the safe operation of the unit.

6.5.8 Reactor Operators

1. The Reactor Operators report to the Supervising Operator and perform plant monitoring and reactor manipulations as needed from the Control Room.

6.5.9 Nuclear Station Operators

1. Nuclear Station Operators report to the Supervising Operator and perform local plant monitoring and manipulations as directed.

6.5.10 Shift Engineer

1. The Shift Engineer reports to the Shift Supervisor and performs STA requirements as assigned by the NRC.

6.5.11 Initial emergency response to the major functional areas is within the capabilities of the minimum operations shift complement.

6.5.12 On-shift staff augmentation is available, when deemed necessary, in accordance with ATTACHMENT D, WCGS MINIMUM STAFFING FOR EMERGENCIES.

6.6 Technical Support Center (TSC) Organization

6.6.1 TSC activation will be performed as soon as practical and within the times as stated in the following:

1. During off-normal working hours, it is the goal to activate the TSC within 75 minutes of a declaration of an Alert or higher classification.

2. During normal working hours, it is the goal to activate the TSC within 30 minutes of a declaration of an Alert or higher classification.

6.6.2 The TSC is considered activated when the following positions are present, the Site Emergency Manager determines the facility is ready to activate, and declares the facility activated:

- o Site Emergency Manager
- o TSC Operations Coordinator
- o TSC Administrative Coordinator
- o TSC Radiological Coordinator
- o Maintenance Coordinator

6.6.3 The TSC organization is shown in FIGURE 3, TSC/OSC ORGANIZATION.

6.6.4 Additional personnel to support repair efforts and recovery functions will be added as necessary. Personnel reporting from off-site may initially report to the Dwight D. Eisenhower Learning Center, and then proceed to the TSC as plant/site conditions allow.

6.6.5 Site Emergency Manager

1. The assigned Site Emergency Manager will assume command-and-control functions and will be the top line manager responsible for the emergency. An assigned Site Emergency Manager is available 24 hours a day. The assigned Site Emergency Manager may assume command-and-control functions from the SS during an NUE if so requested by the SS.

2. The SS will transfer the Site Emergency Manager duties to the assigned Site Emergency Manager in accordance with EPPs. The SS resumes Control Room duties and reports to the Site Emergency Manager.

3. The Site Emergency Manager directs the onsite emergency effort, implements the applicable EPPs and, as appropriate, performs the following:

   - o Assess and verify the situation and assure that appropriate mitigating efforts are being taken

- Review initial event classification and reclassify as appropriate
- Determine the necessity for evacuation of personnel onsite
- If a release has occurred, make the necessary assessment of the off-site concentration of radioactivity resulting from a release
- Ensure immediate and follow-up notifications are made which provide sufficient information on emergency classification, plant status, off-site dose projections or measurements, and issue recommendations for off-site protective actions to authorities responsible for off-site emergency measures

4. The following responsibilities are those of the Emergency Managers and may not be delegated. These responsibilities may be divided between the Site and Off-site Emergency Managers:
   - Classification of the emergency
   - Protective action recommendations
   - Authorization for notification of off-site authorities
   - Authorization of emergency exposure in excess of 10CFR20 limits

6.6.6 TSC Operations Coordinator

1. The TSC Operations Coordinator reports to the Site Emergency Manager and is responsible for the following:
   - Supervise reactor plant operations, the Engineering Coordinator, and ENS Communicator
   - Keep the Site Emergency Manager advised of plant conditions and operational manipulations
2. The TSC Operations Coordinator may supervise other positions as directed by WCGS procedures.

6.6.7 Engineering Coordinator

1. The Engineering Coordinator reports to the TSC Operations Coordinator and directs the activities of the Engineering Team to technically assess plant status and the severity of emergency conditions.

6.6.8 Engineering Team

1. The Engineering Team reports to the Engineering Coordinator. The Team evaluates current and historical plant parameters, assesses the severity of the emergency conditions and magnitude of fuel damage, and recommends corrective or preventive actions.

6.6.9 TSC Emergency Notification System (ENS) Communicator

1. The TSC ENS Communicator reports to the TSC Operations Coordinator and maintains communications with the NRC.

6.6.10 TSC Radiological Coordinator

1. The TSC Radiological Coordinator reports to the Site Emergency Manager and is responsible for preventing or minimizing direct exposure to, or ingestion/inhalation of, radioactive materials during a radiological emergency. Responsibilities are as follows:

   - o Monitoring Dose rates and dose projections
   - o Monitoring Radiological survey teams' results
   - o Assists the On-site Emergency Manager in the formulation of recommended protective actions
   - o Monitoring Personnel radiation exposures to ensure they are maintained in accordance with 10CFR 20 limits unless otherwise authorized by the Emergency Manager

2. The TSC Radiological Coordinator will transfer off-site duties to the EOF when the EOF is activated.

6.6.11 TSC Administrative Coordinator

1. The TSC Administrative Coordinator reports to and assists the Site Emergency Manager to ensure that emergency notifications are performed. The TSC Administrative Coordinator is responsible for logistical support in the areas of TSC personnel, Control Room, procurement and warehouse support, communications support and equipment repair services.

2. After EOF activation, the TSC Administrative Coordinator directs requests for logistical support beyond onsite staff capabilities to the EOF Administrative Coordinator.

6.6.12 TSC Team Director

1. The TSC Team Director reports to the TSC Radiological Coordinator and provides advise on radiological safety matters concerning Emergency Response Team activities.

6.6.13 Maintenance Coordinator

1. The Maintenance Coordinator reports to the Site Emergency Manager and directs the Maintenance Assistant in the coordination of emergency team activities, including PASS team. The Maintenance Coordinator also directs the formation of teams to be assigned to search and rescue.

6.6.14 Operations Communicator

1. Provides data, progress and plant conditions from the Control Room via the Operations Recorders.

6.6.15 Additional Personnel

1. The following are examples of positions that are not needed for activation and operation of the TSC but supplement those personnel which are essential to an emergency response:

   - Operations Recorder maintains the Operations Status Board current.
   - Team Communicator reports to the Team Director and is responsible for communicating with Onsite Teams.
   - Onsite Survey Team Technicians perform tasks as assigned by the Maintenance Assistant.

- Administrative Assistants perform facility accountability, assist the Emergency Manager, faxing and copying, log keeping, and Off-site notifications and communications as directed.

- Security Coordinator maintains a line of communications between the TSC and Security to cover security concerns.

6.7 Operations Support Center (OSC) Organization

6.7.1 Maintenance Assistant

1. The Maintenance Assistant reports to the Maintenance Coordinator and coordinates emergency repair and damage control activities, coordinates deployment of onsite teams, and coordinates the activities of the Maintenance Engineers.

6.7.2 Emergency Response Team (ERT)

1. The ERT personnel may be selected from Health Physics Technicians (Tech), Chemistry Tech, and Instrumentation and Control, Mechanical, or Electrical maintenance. The ERT reports to the Maintenance Assistant and is responsible for repairs, surveys, sampling, analysis, and search and rescue.

6.7.3 Additional Personnel

1. The following are examples of positions that are not needed for activation and operation of the OSC but supplement those personnel which are essential to an emergency response.

   - Chemistry Technicians perform emergency chemical sampling and provide post-accident sample analysis.

   - Maintenance Planners develop repair plans for use by the emergency repair and damage control teams.

   - Warehouse Support Personnel assist in locating and securing parts and equipment from the warehouse.

6.8 Emergency Operations Facility (EOF) Organization

6.8.1

EOF activation will be performed as soon as practical and within a goal of 90 minutes of a declaration of an Alert or higher Emergency.

1. The EOF is considered activated when the following positions are present, the Off-site Emergency Manager determines facility readiness, and declares the facility activated:

   - o Off-site Emergency Manager
   - o EOF Operations Coordinator
   - o EOF Administrative Coordinator
   - o EOF Radiological Coordinator
   - o EOF Facility Technician

2. The complete EOF organization is shown in FIGURE 4, EOF ORGANIZATION.

6.8.2 Off-site Emergency Manager

1. The Off-site Emergency Manager will assume the command-and-control functions and direct the emergency from EOF. An assigned Off-site Emergency Manager is available 24 hours a day.

2. The Off-site Emergency Manager is the official WCGS interface with government authorities. The Manager may discuss events in progress with the County and State personnel present in the EOF when making decisions concerning the emergency. Responsibilities include the following:

   a. Supports and provides resources or performs tasks as requested by the Site Emergency Manager

   b. Directs all WCGS personnel in the EOF

   c. Obtains personnel and coordinates the efforts of the following:

      - o Emergency response personnel who perform off-site radiological surveys, plus any other personnel deemed useful for the emergency response effort
      - o Outside contractors and vendors, such as consultants, laboratories under contract, the Nuclear Steam Supply System (NSSS) vendor, the Architect/Engineer, and regional utilities

- o Additional technical resources may be called in during the emergency for further support or shift assignment onsite.

d. Coordinates with the Administrative Coordinator in the logistics effort to supply the plant with the necessary personnel and equipment

e. Briefs WCGS Executive Management on matters related to the emergency

f. Coordinates with the Onsite and Off-site Public Information Coordinators (PICs) in providing technical input for news statements

g. Ensure immediate and follow-up notifications are made which provide sufficient information on emergency classification, plant status, off-site dose projections or measurements, and issue protective actions recommendations to off-site authorities responsible for off-site emergency measures

h. Requests federal assistance through state officials per the State Plan

3. The following responsibilities are those of the Emergency Managers and may not be delegated. These responsibilities may be divided between the Site and Off-site Emergency Managers:

- o Emergency classification
- o Protective action recommendations
- o Authorization for notification of off-site authorities
- o Authorization of emergency exposure in excess of 10CFR 20

6.8.3 EOF Radiological Coordinator

1. The EOF Radiological Coordinator reports to the Off-site Emergency Manager and is responsible for radiological monitoring and dose assessment activities off-site. Responsibilities are as follows:

- o Directs and coordinates activities of the Dose Assessment Coordinator and staff

- o Assists the Off-site Emergency Manager in the formulation of recommended protective actions
- o Provides the PIC with an assessment of radiological conditions
- o Requests through the EOF Administrative Coordinator additional radiation monitoring equipment, instrumentation and Health Physics support personnel as necessary
- o Interfaces with State and County emergency response personnel who are assigned to the EOF regarding matters related to off-site radiological assessment

6.8.4 EOF Team Director

1. The EOF Team Director assumes responsibility for authorizing and supervising Off-site Monitoring Teams. The EOF Team Director directs Emergency Response Teams and advises the EOF Radiological Coordinator on radiological conditions encountered by the Teams.

   a. Off-site Monitoring Team authorization should be made promptly upon activation of the EOF.

   b. Monitoring teams are specially trained in field sampling techniques. Each team will be equipped with equipment capable of detecting and measuring radioiodine concentrations in the air at levels as low as 10^{-7} uCi/cc.

   c. County and State personnel may become part of the Emergency Response Teams and assist with off-site monitoring.

6.8.5 EOF Facility Technician

1. Reports to the EOF within a goal of 60 minutes of declaration of an Alert or higher classification to ensure the EOF is prepared and functional.

6.8.6 Dose Assessment Coordinator

1. Reports to the EOF Radiological Coordinator and is responsible for directing/assisting with dose projection and protective action recommendation activities.

2. Ensures the Radiological Status Board is maintained current.

6.8.7 Emergency Dose Calculation Program (EDCP Operator)

1. Reports to and is responsible for providing completed off-site dose projections to the Dose Assessment Coordinator.

6.8.8 HPN Communicator

1. The HPN Communicator reports to the EOF Radiological Coordinator and maintains communications with the NRC via the Health Physics Network (HPN) telephone.

6.8.9 EOF Operations Coordinator

1. Reports to and briefs the Emergency Manager on plant conditions and mitigative strategies.

6.8.10 EOF Administrative Coordinator

1. The Administrative Coordinator is responsible for coordinating, directing, and responding to requests from the ERO for administrative and logistical support. The techniques and procedures used during this effort are adapted from normal WCGS procurement practices. The Administrative Coordinator also ensures notifications to off-site authorities are made.

6.8.11 Representative At County

1. The Representative at the County is located in the County Emergency Operations Center in Burlington, KS, and reports to the Off-site Emergency Manager. The Representative responds to requests from County personnel for clarification or verification of data received from the TSC or EOF.

6.8.12 Additional Personnel

1. The following are examples of positions that are not needed for activation and operation of the EOF but supplement those personnel which are essential to an emergency response.

   - o Team Communicators communicate with Off-site Monitoring Teams.
   - o Operations Recorders maintain the Operations Status Board current.

- Administrative Assistants perform facility accountability, assist the Emergency Manager, faxing and copying, log keeping, and Off-site notifications and communications as directed.

6.9 Public Information Organization

6.9.1 Wolf Creek Public Information Officer (WC PIO)

1. The WC PIO is the public voice for plant information. The WC PIO is responsible for ensuring the timely issuance of accurate information to the public and media during an emergency at WCGS. Public interaction may be as a formal news conference or a telephone call.

   a. The WC PIO coordinates with the County and State for information to be released to the public.

2. The WC PIO position is activated at an NUE or higher emergency to coordinate the development and release of news statements.

3. The WC PIO has overall responsibility for the Public Information Organization.

6.9.2 Wolf Creek Public Information Manager

1. The Wolf Creek Public Information Manager position is activated at an NUE or higher emergency. The Wolf Creek Public Information Manager works closely with the WC PIO, the Onsite PIC, the Off-site PIC, and the Technical Support staff to ensure that information provided the public is timely and accurate.

2. The Wolf Creek Public Information Manager has responsibility for ensuring the Public Information Organization is activated and functions as directed in EPPs.

3. During a declared emergency the Public Information Manager determines and coordinates the activation of Rumor Control, Information Clearinghouse, Media Center and the Phone Team. The Public Information Manager operates from the appropriate Information Clearinghouse.

4. The complete Public Information organization is shown in FIGURE 5, PUBLIC INFORMATION ORGANIZATION.

6.9.3 Onsite Public Information Coordinator (PIC)

1. The PIC gathers and transmits technical information to the Wolf Creek Public Information Officer for use in news statements following the declaration of any emergency classification.

6.9.4 Off-site Public Information Coordinator (PIC)

1. During a SAE or GE, the PIC is responsible for gathering all information related to the health and safety of the public. The PIC transmits this information to the WC PIO at the Information Clearinghouse. The PIC operates from the EOF.

6.9.5 Media Center Manager (MC Manager)

1. The MC Manager is located at the Media Center and reports to the WC PIO. Responsibilities include set-up of the Media Center, leadership for the Media Registrar and Media Liaison and management of the media news conferences. The Media Center Manager maintains contact with the Information Clearinghouse to provide news conference schedules.

6.9.6 Media Liaison

1. Media Liaison is located in the Media Center and reports to the MC Manager. Responsibilities include managing the media crowd at the Media Center and assisting the media with registration and facility orientation, providing general Wolf Creek background information or approved emergency-related information, arranging individual interviews, and announcing and coordinating scheduled news conferences.

6.9.7 News Writer

1. The News Writer reports to and provides support for the WC PIO. The News Writer provides support to the PIO including: answering telephones, writing and distributing news statements, updating the status log, maintaining the media status board and faxing news statements. The News Writer maintains a chronological log of the events and news statements.

6.9.8 Phone Team Manager

1. The Phone Team Manager reports to the WC PIO and coordinates the rumor control activities of the Phone Team.

6.9.9 Rumor Control Coordinator

1. The Rumor Control Coordinator is located in the KCPL General Office and reports to the WC PIO. Rumor Control monitors news statements or news conferences to identify misinformation being released to the public.

6.9.10 Technical Support

1. The Technical Support staff discusses technical details of the news statement with EOF staff to ensure accuracy, provides technical interpretation for the WC PIO, the Public Information Officer for Coffey County and the State of Kansas. Technical Support gathers information from the Emergency Facilities to communicate plant, health and safety issues to the public.

6.9.11 Additional Personnel

1. The following are examples of additional personnel used to fill ERO positions such as clerical, log keeping, or status board posting. Staffing of these positions does not affect the activation of the facility.

   - Media Center Registrar monitors access to the Media Center, records news conference attendance, provides media packets, provides directions for telephone use and work space information to the media representatives.

   - Audio/Visual Support records on video and audio tape the proceedings of news conferences presented in the Media Center.

   - Information Messenger performs clerical and administrative duties at the direction of the Public Information Manager.

   - The Phone Team may make initial media notifications at PIO discretion, addresses media and public questions to the extent possible and reports rumors or misinformation to the Phone Team Manager.

   - The Media Monitoring Team notifies the Rumor Control Coordinator of any rumors or misinformation heard or observed from their monitoring of the media.

6.10 Local Off-site Organizations

6.10.1 The Coffey County Contingency Plan for Incidents Involving Commercial Nuclear Power describes the authorities, responsibilities, and agreements to which various county agencies are a party in their response to emergencies at WCGS. Information is provided therein about the various agencies' interrelationships and support roles provided to WCGS.

- o The County Plan contains the formulas for calculating evacuation times for each subzone.

6.10.2 Coffey County Commissioners

1. The Coffey County Board of Commissioners maintains the executive authority and responsibility for planning and coordinating the county response. They have delegated responsibilities and tasks to the local support agencies and have established operating procedures.

2. After declaring a State of Local Disaster Emergency, the Chairman of the Coffey County Commissioners is responsible for making the decision to activate the alert and notification system. Emergency authority, as stated in County Plan, is given in an established line of succession.

3. If a State of Emergency has not been declared, after receipt of notification and in accordance with the County Plan, the Chairman decides which protective actions would be appropriate.

   - o When a protective action is decided upon, the County may notify the State to activate EAS or they may activate EAS.

6.10.3 Coffey County Sheriff's Office

1. The Coffey County Sheriff's Office provides local notification, access control, and law enforcement support in accordance with the Coffey County Plan.

2. If time does not permit, or if he is unable to contact the Chairman or other members of the County Emergency Response Organization, the County Sheriff has the authority to make protective action decisions based upon recommendations by WCGS.

3. The County Dispatcher may contact the Kansas Division of Emergency Management to activate EAS or they may activate EAS.

4. Specific services provided by the Coffey County Sheriff's Office include:

   - o Perform notifications as defined within the County Plan and associated implementing procedures
   - o Provide a 24 hour per day manning of communications links between the County and WCGS, and between the County and State
   - o Implement off-site protective actions as necessary and as specified in the County Plan implementing procedures
   - o Initiate warning and initial notification of the population
   - o Direct the evacuation of specific subzones of the EPZ upon the decision to evacuate
   - o Provide traffic control and roadblocks per implementing procedures
   - o Obtain additional assistance as necessary to secure the evacuated areas
   - o Control access to the County EOC

6.10.4 Coffey County Fire District #1 (CCFD)

1. Contractual arrangements have been made with the Board of Trustees of Fire District No. 1, Coffey County, KS, for the provision of fire fighting support. Services contracted are summarized in the Letter of Agreement and maintained in an Emergency Planning file.

2. The WCGS Fire Brigade Leader is also responsible for directing all fire fighting activities onsite. Once onsite, Fire District members and equipment shall be escorted by Security.

6.10.5 Off-site Medical Treatment

1. Coffey County Hospital and Newman Memorial Hospital each have developed emergency procedures to provide guidance in the rendering of medical treatment to contaminated patients.

2. Coffey County Hospital, located in Burlington, KS, approximately 9 road miles from the WCGS site, has agreed to provide aid to injured/contaminated personnel.

3. Newman Memorial Hospital serves as a backup to Coffey County Hospital and is located in Emporia, KS, approximately 40 miles from WCGS.

4. Contaminated injured personnel transported from WCGS to off-site medical facilities are attended by personnel qualified in radiological practices. Once the patient(s) has been stabilized, WCGS personnel survey patient(s), attending personnel, vehicles, and equipment to ensure they have been decontaminated in accordance with WCGS, County, or State procedures.

6.10.6 Coffey County Ambulance Service

1. Coffey County Ambulance Service provides medical assistance and transports victims to medical facilities for personnel requiring treatment for injuries, exposure to radiation, and contamination. WCGS notifies the Ambulance Service by telephone or though the Coffey County Sheriff's Office.

2. If conditions warrant, any vehicle at WCGS may be used to transport affected personnel.

6.10.7 Radiological Emergency Assistance Center/Training Site (REAC/TS)

1. REAC/TS maintains a 24 hour Hospital Disaster Network. Consultation is available for medical emergencies involving radiologically contaminated patients.

6.11 State Organizations

6.11.1 The Governor, by law, is the Chief Executive Officer of the State of Kansas and is responsible for the safety and well-being of all citizens within the State. The State Plan describes the responsibilities of local, federal, state, and volunteer agencies during nuclear emergencies. Upon declaration of a State of Disaster Emergency the State has primary responsibility for responding to an off-site nuclear emergency. Activation of the State EOC, located in the lower level of the State Defense Building, Topeka, KS, is the responsibility of the Governor or authorized representatives, depending on the nature of the emergency. The Kansas Division of Emergency Management, Technological Hazards Section, provides overall coordination as the responding state agency during a Fixed Nuclear Facilities Incident.

6.11.2 Appendix 12 to Annex N of the Kansas State Emergency Operations Plan describes in detail, the authorities, responsibilities, and agreements to which various state agencies of their response to emergencies at WCGS. Reference to this document is made for detailed information on each agency's interrelation and support role provided to WCGS.

1. Upon declaration of an SAE or GE representatives of Kansas Department Emergency Management (KDEM) and Kansas Department of Health and Environment (KDHE) go to the EOF. They act as the interface between WCGS, the County, and the State.

6.11.3 Kansas Division of Emergency Management (KDEM)

1. The KDEM provides the following assistance:

   a. Evaluates information presented by WCGS to decide off-site protective actions

   b. Coordinates nuclear incident response planning, training, and notification. Activities include:

      - o Notification of KDHE
      - o Notification of Key federal and state agencies
      - o Notification of the Governor's Office
      - o Provides radiological monitoring coordination

- Requests federal assistance and coordinates federal and state support on behalf of affected areas
- Provides 24 hour per day point of contact to receive notification
- Activates the State EOC
- Activates the Kansas Emergency Alert System

6.11.4 Kansas Department of Health and Environment (KDHE)

1. The KDHE provides assistance as described below:
   - Acts as the lead state agency for operational radiological emergency response
   - Conducts radiological monitoring in affected areas
   - Provides radiological advice to hospitals
   - Develops and establishes State PAGs
   - Provides information and guidance to the public about protective actions, via the KDEM
   - Assesses off-site contamination of the environment
   - Provides technical guidance and coordination in recovery activities
   - Supports the development and conduct of radiological response training
   - Reviews, evaluates, and maintains dosimetry records for non-licensee emergency workers and other affected individuals

6.11.5 Kansas Highway Patrol (KHP)

1. The KHP provides communications and notification support including backup notification means for the following:
   - Coffey County Sheriff's Office
   - KDEM, Technological Hazards Section
   - The Governor's Office

2. The KHP augments local law enforcement in securing the area and establishing evacuation routes and providing traffic control.

3. The KHP provides self-support radiological monitoring.

4. The KHP maintains emergency communications systems 24 hours per day.

6.11.6 Kansas National Guard

1. The Kansas National Guard may be directed by the Governor to provide assistance as needed such as the following:

   - o Evacuation of communities
   - o Area security
   - o Media Center Security

6.11.7 Kansas Department of Transportation (KDOT)

1. KDOT provides assistance as follows:

   - o Provides emergency traffic barriers and signs
   - o Supplements emergency traffic control
   - o Supplies construction equipment
   - o Provides communications support

6.12 Federal Organizations

6.12.1 Should an emergency situation or accident occur at WCGS, notification and reports must be made to various federal agencies and organizations, and requests for assistance may also be made.

6.12.2 Federal Emergency Management Agency (FEMA)

1. FEMA is the lead agency supporting implementation of the state and local emergency plans. Region VII FEMA response time is estimated to be four hours.

6.12.3 Department of Energy (DOE)

1. The DOE Radiological Assistance Program provides monitoring assistance and radiological consultation to the KDHE. The DOE provides assistance under the Federal Radiological Emergency Response Plan (FRERP) and responds to authorized requests for assistance by the KDHE. It is expected that initial responders, to assist with off-site radiological monitoring, will arrive within 8 hours. Full Federal response (FRMAC) is expected within 48 hours.

6.12.4 Nuclear Regulatory Commission (NRC)

1. The NRC provides advice to other federal, state, and local agencies on the radiological health consequences of various emergency protective actions. The NRC requires notification and reports as indicated in ATTACHMENT H, REPORTING OF INCIDENTS PER 10CFR20 and as specified in the WCGS Technical Specifications. NRC Region IV response time is estimated to be 12 hours.

6.12.5 Licensee resources available to support the federal response include the following:

- Space and equipment in the TSC and EOF provided for key federal personnel
- Telecommunications equipment at these centers is available to federal personnel for use
- Parking space adjacent to the EOF provides an area for the location of federal response vehicles, with power and sanitary services available at the EOF
- Open fields south of the parking lot at the EOF provide access for helicopters
- Coffey County Airport is available for air traffic

6.13 Additional Support Agencies

6.13.1 Vendor and Architect/Engineers (A/E)

1. NSSS supplier, Westinghouse, is the chief vendor who may be involved with emergency response for WCGS. Westinghouse has emergency response plans which are activated upon notice and is expected to provide the following services:

   - Personnel with expertise in various areas

- o Technical analysis
- o Operational analysis
- o Accident/transient analysis
- o Recommendations

6.13.2 Regional Utility Support

1. WCGS shares the SNUPPS power-block design with the Union Electric Callaway Plant. Because of this design concept and similarity with the WCGS layout, assistance from Union Electric is possible. A specific mutual aid agreement between WCGS and Union Electric Company has been established. While this assistance may be available within a short period of time, it shows greatest promise in the case of a prolonged emergency where extended, around the clock coverage is required. The Site Emergency Manager may authorize the temporary use of this resource, should staff augmentation be necessary. Union Electric Company is a signatory of the INPO FIXED FACILITY EMERGENCY RESPONSE VOLUNTARY ASSISTANCE AGREEMENT.

6.13.3 Institute of Nuclear Power Operations (INPO)

1. WCGS has signed the INPO FIXED FACILITY EMERGENCY RESPONSE VOLUNTARY ASSISTANCE AGREEMENT. This agreement is by and among electric utilities which have responsibility for the construction and operation of commercial U.S. nuclear power plants. Assistance may be requested from any of the signatory companies in the form of technical and administrative aid or personnel, facility, or equipment resources. Requested assistance is rendered according to the agreement.

6.13.4 American Nuclear Insurers (ANI)

1. ANI is notified at emergency classifications of Alert or higher. ANI is available to provide insurance services as necessary.

6.14 Plant Monitoring

6.14.1 Nuclear Plant Information System (NPIS)

1. The integration and display of selected and critical data is performed by NPIS which is a non-safety, non-Class 1E system. Isolation is provided to ensure that NPIS does not degrade the performance of safety system equipment or displays.

2. NPIS provides data storage and recall capability.

3. Certain parameters are also transmitted to the NRC Operations Center via the Emergency Response Data System (ERDS) link of NPIS. ERDS is activated through NPIS within 60 minutes of an Alert or higher classification.

4. The NPIS computer feeds key plant parameters to individual terminals in the Control Room, TSC, and EOF which display data identical in accuracy, resolution, and reliability. Support personnel may assist the Control Room staff to analyze and diagnose plant abnormalities so that corrective action may be taken and then monitored.

5. The Safety Parameter Display System (SPDS) provides for continuous indication of plant parameters or derived variables representative of the safety status of the plant. The primary function of the SPDS is to aid the user in the rapid detection of abnormal operating conditions. As a plant safety information and diagnostic tool, SPDS concentrates on a minimum set of plant parameters from which the plant safety status can be assessed.

6.14.2 Onsite Radiological Monitors

1. Process monitors monitor the radiation intensity of materials within plant systems. These monitors continuously measure, indicate and record the radioactive material concentrations located within systems being monitored. Each monitor includes an adjustable alarm to provide indication of a significant change or the existence of a concentration of radioactive material above pre-selected values. The USAR, Chapter 11.5, includes a listing and range of plant monitors.

2. The Area Radiation Monitoring System monitors provide information about radiation intensity at specific plant locations. These monitors provide the following:

a. Warnings of excessive gamma radiation levels in areas where nuclear fuel is stored or handled

b. Control Room personnel with a continuous indication of gamma radiation levels at selected locations within the various plant buildings

c. Assistance in detecting unauthorized or inadvertent movement of radioactive material in the plant, including the radwaste area

d. Supplementation of other systems, such as process radiation monitoring or leak detection, in detecting abnormal migrations of radioactive material

e. Local alarms to warn personnel in the area

3. Effluent monitors provide information about the concentration of radioactive material in plant effluent pathways. Each significant effluent pathway from the plant includes an effluent monitor to enable the quantification of the radioactive material concentration exiting the plant.

6.14.3 Meteorological Monitoring System

1. The Meteorological Monitoring System is composed of a 90-meter instrument tower and a temperature controlled shelter at the base of the tower housing associated instrumentation and equipment.

2. The function of the meteorological system is to monitor and record meteorological conditions.

3. Information provided by instruments at the meteorological tower is available from the NPIS computer system.

4. Time interval measurements are used in calculating 15-minute averages for all parameters.

5. When needed, Meteorological data can be obtained from the National Weather Service.

6.14.4 Seismic Monitoring System

1. The seismic warning panel in the Control Room provides local visual and audible indication when a seismic event has occurred.

6.14.5 Hydrologic Monitoring

1. Hydrologic monitoring is not required as WCGS is a "dry site" as defined by Regulatory Guide 1.102. The plant site is located above the design basis flood level.

6.14.6 Fire Protection

1. WCGS is protected by an independent fire protection system consisting of two subsystems, a detection/alarm system and a suppression system.

2. Activation of the fire systems results in an audible alarm throughout the plant. Alarms are also displayed in the Control Room.

6.14.7 Laboratory Facilities

1. A radiochemistry (hot) laboratory, radwaste laboratory, and turbine building chemistry laboratory are located in the power block. The chemistry shop laboratory is located in the Walter P. Chrysler Building. Further information on onsite laboratory equipment can be found in USAR, Chapter 12.5.

2. The environmental laboratory at the EOF may be used for processing of routine and emergency field samples. The Kansas Health and Environmental Laboratory in Topeka, KS, is available to further augment the processing of emergency samples.

3. Private laboratories under contract to WCGS or laboratories of neighboring utilities who are signatories of the INPO Voluntary Assistance Agreement may be considered for use.

6.15 Emergency Supplies

6.15.1 Emergency supplies include protective, communications, and radiological monitoring equipment, check sources, and other supplies. The EPPs list emergency supplies and their locations.

6.15.2 Emergency supplies are maintained, inventoried, and inspected on a quarterly basis in accordance with EPPs. The EPPs contain an inventory list of WCGS equipment for emergency supplies. This equipment may be augmented by other onsite equipment.

6.15.3 Instruments are calibrated in accordance with WCGS Health Physics Procedures. For any items removed from the emergency supplies for calibration or repair, an operable equivalent instrument is used to replace it. Sufficient quantities of spare instruments/equipment are onsite to provide replacements.

6.16 Communications

6.16.1 Communication Equipment

1. Telephones provide primary communications contact with the State and County EOCs. The on-site system in the Olive Beech Building and the off-site system in Dwight D. Eisenhower Learning Center are powered by their own battery and charger. The battery will supply the system if the charger fails.

   a. The Federal Telephone System (FTS 2000) is used for NRC communications.

   b. Trunk lines are available for communications with outside agencies.

   c. Cell phones or other comparable equipment are used as a backup means of communications with joint radiological monitoring teams.

2. Radio communications provide backup communications with the State and County EOCs. Fixed AC-powered transmitter/receiver units and a number of portable and hand-held units are also capable of providing fixed and mobile communications to joint radiological monitoring teams.

   a. Radio communication is the primary communication method for the joint radiological monitoring teams.

3. A paging system is used for initial notification of key personnel. Pager coverage is provided in and around the cities of Burlington, Emporia, Topeka, Ottawa and Lawrence.

6.16.2 Communication Dissemination

1. The methods of employee communications may be employee meetings, announcements, or literature handouts.

2. The Public Information Organization is responsible for interfacing with the media. Communication between WCGS and media organizations are performed in accordance with EPPs.

3. Annually, WCGS offers the news media with the following information:

   - o Information concerning the emergency plan
   - o Information concerning radiation
   - o Facilities available for media
   - o Points of contact for statements of public information
   - o Differences between normal and emergency plant operations

4. Standardized public announcements for broadcast during an emergency have been written by the state, county, and WCGS and are found in the State Plan.

5. WCGS, state, and local emergency organizations provide members of the public, including transients, public education information on how they are notified and what their initial actions should be during an emergency.

   a. Emergency planning information is provided within local telephone directories. The information, developed jointly by WCGS, Coffey County and the State of Kansas, is distributed to residences of the EPZ.

   b. Information includes educational facts on radiation, protective measures, special needs of the handicapped and the points of contact for additional information.

   c. An annual mail-out to the public provides information regarding operation of Tone Alert Radios.

6. Emergency planning information, displayed on information boards, is provided for transients in the public use areas of John Redmond Reservoir (JRR), Coffey County Lake (CCL), and other WCGS controlled areas. Transients have access to emergency plan information within motel rooms and telephone books.

6.17 Emergency Plan Training

6.17.1 WCGS has developed an emergency preparedness training program which meets the requirements of 10CFR50, Appendix E, Section IV. F.

6.17.2 The Superintendent Emergency Planning ensures required training is provided for ERO personnel in accordance with plant procedures.

6.17.3 The Superintendent Emergency Planning ensures corrective actions for any Emergency Planning weakness or deficiencies identified are initiated and corrected using the WCGS corrective action process.

6.17.4 Personnel receive general RERP training as a portion of Plant Access Training prior to receiving unescorted access to WCGS.

6.17.5 Initial and re-qualification training is provided for personnel on the ERO. This training may be in the form of self study, class room training, drills, tabletops, or any combination of these.

1. Position specific training is provided for personnel filling positions in the following areas:

   - o Directors/Coordinators of the emergency
   - o Personnel responsible for accident assessment
   - o Radiological monitoring teams
   - o Fire brigade members
   - o Emergency response teams
   - o Medical support personnel
   - o Security personnel
   - o Support personnel

2. Critiques are performed after each training class to identify weak or deficient areas.

6.17.6 Where Letters of Agreement exist between WCGS and local agencies and for each off-site response organization's emergency support role, training is offered annually. Training is also offered to the participants in the Interlocal Agreements between Coffey County and host counties, Anderson and Lyon.

1. This training consists of an orientation to plant operations and site access procedures, basic radiation protection and monitoring information, procedures for notification, an overview of the ERO duties and activities, and training materials associated with performance of their expected roles.

6.17.7 Drills are considered part of the Emergency Plan Training Program. Periodic drills conducted between the biennial exercise ensure that the ERO is capable of executing the crucial tasks necessary to detect emergency conditions, assess and mitigate the consequences, notify key licensee and non-licensee personnel and organizations, perform appropriate response and protective actions, and recommend off-site protective actions to state and local agencies.

1. State and County participation in drills will be allowed if they so desire.

6.18 Emergency Plan Drills

6.18.1 Annual communication drills between WCGS, State and County EOCs, and field assessment teams ensure that contact can be made and that messages are comprehended.

1. Monthly communication tests verify communications with the local County and State authorities. Communications tests are made with the NRC Headquarters via the FTS 2000. These tests are performed in accordance with EPPs.

6.18.2 Fire drills are conducted in accordance with plant administrative procedures.

6.18.3 Annual medical emergency drills include transportation and treatment of simulated contaminated individuals by ambulance and off-site medical treatment facilities.

6.18.4 Annual radiological monitoring drills include collection and analysis of sample media, field activities, and provisions for communications and record keeping.

6.18.5 Semi-annual Health Physics drills involve response to and analysis of simulated elevated airborne and liquid samples and direct radiation measurements in the environment.

1. Annually, analysis of in-plant liquid samples using the post-accident sampling system (PASS) is included in a Health Physics drill.

6.18.6 Each calendar quarter, a callout drill is conducted to verify the operability of the notification system.

6.18.7 Critiques should be conducted following each drill to identify and correct noted deficiencies.

6.19 Emergency Planning Exercises

6.19.1 In accordance with 10CFR50 Appendix E, Section IV.F, emergency exercises will test the adequacy of timing and content of implementing procedures and methods, test emergency equipment and communication networks, test the public notification system, and ensure that ERO personnel are familiar with their duties.

6.19.2 Exercises will be conducted biennially to test the on-site and off-site emergency plans.

6.19.3 To meet NRC and FEMA requirements, the exercises are varied so as to test, at least once every six years, all major components of the WCGS, State, and County plans and response organizations. The State and County actively participate in these exercises.

1. Exercises should be conducted under various weather conditions.

2. At least once every six years an unannounced exercise is initiated between 6:00 p.m. and 4 a.m.

3. At least once every six years an ingestion pathway exercise shall be conducted.

6.19.4 Designated observers from federal, state, local governments, and WCGS observe the required exercises. Certain of these observers also evaluate the exercise.

1. The Superintendent Emergency Planning has the lead responsibility for ensuring corrective actions associated with emergency planning are initiated.

2. Critiques are conducted following each exercise to identify and correct noted deficiencies.

6.19.5 Prior to an exercise a scenario package is prepared which contains the following:

- Basic objective of each exercise and appropriate evaluation criteria

- Simulated events

- Dates, time periods, places, and participating organizations
- Time schedule of all initiating events
- Descriptive scenario addressing the conduct of the exercise which should include public information activities, off-site fire department assistance, simulated casualties, rescue of personnel, use of protective clothing and radiological monitoring teams
- Description of the arrangements for, and advance materials to be provided to official observers

6.19.6 Remedial exercises will be conducted for exercises which do not satisfactorily test the emergency response plan as determined by FEMA and the NRC.

6.20 Emergency Plan And Procedures Administrative Controls

6.20.1 The NSRC is responsible for assuring that a review of the WCGS Emergency Preparedness Program will be performed, at least once every twelve months, in accordance with 10CFR 50.54(t).

1. Personnel performing this review will have no direct responsibility for implementation of the Emergency Preparedness Program.
2. The review shall evaluate interfaces with state and local governments, licensee drills, exercises, capabilities, procedures and emergency facilities.
3. The results of the review are reported to owner representatives and WCGS Senior Management and shall be retained for at least five years.
4. Correction of review findings are evaluated and implemented using normal WCGS procedures.
5. The applicable portions of the review shall be made available to the State and local governments.

6.20.2 The Superintendent Emergency Planning ensures the coordination and documentation of RERP reviews and revisions and the RERP distribution. The RERP is revised annually to incorporate changes identified during drills, exercises and the 10CFR 50.54(t) review.

1. The RERP and approved changes are distributed to all organizations and individuals with responsibility for implementation of the RERP.

6.20.3 The Superintendent Emergency Planning ensures emergency planning personnel are properly trained.

6.20.4 Action items required to be performed in a time period are allowed a 1.25 times frequency grace period to complete the item.

6.21 Recovery Plan

6.21.1 The Recovery Plan is activated in a progressive manner when the Site, if EOF not activated, or Off-site Emergency Manager determines stabilized plant conditions warrant the transition of the emergency response efforts to the recovery phase.

6.21.2 If a General Emergency has been reached, NRC and KDEM concurrence shall be obtained prior to downgrading.

6.21.3 The EPPs provide the general plans for reentry and recovery and describe the means by which decisions to relax protective measures are reached.

1. Evaluation of the status of the three fission product barriers is used for de-escalation. As the situation improves and barriers are restored, the next lower level of event may be declared.

2. De-escalation may also occur if conditions have stabilized such that the potential for re-escalation to a higher level has been removed and a controlled situation exists. A declaration of de-escalation is provided by the Emergency Manager based on known information and recommendations of the ERO.

3. Guidelines are provided for Reentry Team(s) to perform surveys and monitoring activities to be employed for initial reentry.

6.21.4 During the recovery process the normal procedures employed for configuration control, reporting, interfaces with regulatory agencies and support groups, exposure control, environmental monitoring, and procurement of supplies and services shall be utilized.

6.21.5 The Recovery Plan utilizes the necessary technical, administrative, managerial and support personnel that may be required for the recovery phase of emergency response, as determined by Site or Off-site Emergency Managers. The responsibilities and functions of the Emergency Managers and staff are detailed in the EPPs.

7.0 RECORDS

7.1 None

8.0 FORMS

8.1 APF-06-002-01, EMERGENCY ACTION LEVELS

- END -

ATTACHMENT A
(Page 1 of 1)
EFFECTIVE 10-MILE EPZ POPULATION CENTERS

Significant Population Centers	Approximate Population	Subzone	Distance (miles) And Direction From The Site To Population Center
Burlington, KS	2,812	SW-1	3.5 Southwest
New Strawn, KS	434	W-1	3.4 West-Northwest
Waverly, KS	642	NE-2	11.5 North-Northeast
LeRoy, KS	582	SE-3	11.1 South-Southeast
Aliceville, KS	40	SE-2	9.3 Southeast
Ottumwa, KS	20	NW-1	6.8 West-Northwest
Sharpe, KS	10	N-1	2.4 North
Jacob's Creek	70	W-2	10.0 West

The population numbers were taken from the 1992 census.

- END -

ATTACHMENT B
(Page 1 of 3)
SUBZONE EVACUATION TIMES

B.1 Table B.1 lists each subzone and the population in that subzone.

TABLE B.1
POPULATION BY SUBZONE

Evacuation Subzone	Evacuation Zone	Population
Center (CTR)	0 - 2	75
North-1 (N-1)	2 - 5	65
Northeast-1 (NE-1)	2 - 5	82
East-1 (E-1)	2 - 5	53
Southeast-1 (SE-1)	2 - 5	40
South-1 (S-1)	2 - 5	40
Southwest-1 (SW-1)	2 - 5	2,866
West-1 (W-1)	2 - 5	463
Northwest-1 (NW-1)	2 - 5	82
North-2 (N-2)	5 - 10	121
Northeast-2 (NE-2)	5 - 10	721
Northeast-3 (NE-3)	5 - 10	144
East-2 (E-2)	5 - 10	71
Southeast-2 (SE-2)	5 - 10	138
Southeast-3 (SE-3)	5 - 10	650
Southeast-4 (SE-4)	5 - 10	56
South-2 (S-2)	5 - 10	88
Southwest-2 (SW-2)	5 - 10	88
West-2 (W-2)	5 - 10	142
Northwest-2 (NW-2)	5 - 10	114

B.2 Total Coffey County population equals 8,559 persons (1992 census). Effective 10-Mile Emergency Planning Zone Subtotals are as follows:

- Effective 0 - 2-mile zone = 75 persons
- Effective 2 - 5-mile zone = 3,691 persons
- Effective 5 - 10-mile zone = 2,333 persons
- Effective 0 - 10-mile zone = 6,099 persons

B.3 Table B.2 lists evacuation confirmation time parameters.

TABLE B.2
EVACUATION CONFIRMATION TIME PARAMETERS

EPZ Location	Miles Traveled	Number of Houses	Speed Between Houses	Effort in Vehicle	Vehicles Assumed Available	Confirmation Time
Burlington	36	1,183	5 mph	105 Hrs	11	9.5 Hrs
New Strawn	3	229	5 mph	20 Hrs	3	6.6 Hrs
LeRoy	9	289	5 mph	43 Hrs	5	8.6 Hrs
Waverly	7	280	5 mph	33 Hrs	4	8.3 Hrs
Remaining EPZ*	289	649	30 mph	80.5 Hrs	8	10.3 Hrs

* Includes the evacuation confirmation of the U.S. Army Corps of Engineers areas at John Redmond Reservoir, Coffey County Lake, and the U.S. Fish and Wildlife Service area north of the Neosho River.

ATTACHMENT B
(Page 2 of 3)
SUBZONE EVACUATION TIMES

B.4 Table B.3 lists Ambulances and Funeral Directors (FD) who may assist with transportation for non-ambulatory persons, distance to travel, time to travel, capacity of each vehicle, and an accumulative total of person capacity.

TABLE B.3
TRANSPORTATION FOR NON-AMBULATORY PERSONS

			Availability Due To Weather		Accumulated
Location	Distance (miles)	Capacity (persons)	Good (minutes)	Adverse (minutes)	Capacity (persons)
Coffey Co Ambu		10	Immediate	Immediate	10
Yates Center FD	23	4	30	40	14
Allen Co Ambu	49	6	47	67	20
Lyon Co Ambu	40	12	48	68	32
Emporia FD	40	4	48	68	36
Franklin Co Ambu	46	9	55	79	45
Chanute FD	50	6	60	86	51
Garnett FD	30	3	36	52	54
Eureka FD	55	4	66	94	58
McPherson FD	122	2	132	210	60
Osawatomie FD	70	4	78	120	64
Lyndon FD	28	3	30	48	67
LIFESTAR	50 (air)	2	30	Limited by ceiling and visibility	69
Anderson Co Ambu	30	8	25	45	77

B.5 Tables B.4 and B.5 lists the 10-mile evacuation time for average and adverse weather conditions.

TABLE B.4
10 MILE EVACUATION TIMES FOR AVERAGE WEATHER CONDITIONS (HOURS)*

Subzone	Effective 2-mile	Effective 5-mile	Effective 10-mile
CTR	0.7	0.9	1.1
CCL	2.5	2.5	2.5
JRR	2.5	2.5	2.5
N-1	-	0.8	1.1
NE-1	-	0.9	1.1
E-1	-	0.9	0.9
SE-1	-	0.8	1.0
S-1	-	0.9	1.2
SW-1	-	1.4	1.5
W-1	-	1.0	1.1
NW-1	-	0.8	1.0
N-2	-	-	0.9
NE-2	-	-	1.0
NE-3	-	-	0.9
E-2	-	-	0.8
SE-2	-	-	0.9
SE-3	-	-	1.0
SE-4	-	-	0.7
S-2	-	-	0.9
SW-2	-	-	0.9
W-2	-	-	0.8
NW-2	-	-	0.7

ATTACHMENT B
(Page 3 of 3)
SUBZONE EVACUATION TIMES

TABLE B.5
10 MILE EVACUATION TIMES FOR ADVERSE WEATHER CONDITIONS (HOURS)

Subzone	Effective 2-mile	Effective 5-mile	Effective 10-mile
CTR	0.7	1.0	1.3
CCL	2.5	2.5	2.5
JRR	2.5	2.5	2.5
N-1	-	0.9	1.3
NE-1	-	1.0	1.1
E-1	-	1.0	1.1
SE-1	-	0.9	1.1
S-1	-	0.9	1.4
SW-1	-	1.7	1.8
W-1	-	1.1	1.3
NW-1	-	0.9	1.1
N-2	-	-	1.0
NE-2	-	-	1.1
NE-3	-	-	1.0
E-2	-	-	0.9
SE-2	-	-	1.0
SE-3	-	-	1.1
SE-4	-	-	0.8
S-2	-	-	1.0
SW-2	-	-	0.9
W-2	-	-	0.9
NW-2	-	-	1.0

NOTE: For all transportation-dependent people, including the non-ambulatory occupants of the Burlington Life Care Center, Sunset Manor Nursing Home and the Coffey County Hospital, an evacuation time of 2.5 hours is estimated using area resources.

* Evacuation times are based on the population from the 1980 census. The 1980 population was larger than the population determined from the 1990 census. Since the evacuation times are based on a greater population than what is presently in Coffey County, and because the condition of some of the evacuation routes has improved (e.g. paving), the times are considered to be conservative.

- END -

ATTACHMENT C
(Page 1 of 8)
CROSS REFERENCE BETWEEN NUREG 0654, RERP, AND WCGS PROCEDURES

0654 Section	RERP Section	Comments	Procedure
A. - ASSIGNMENT OF RESPONSIBILITY (Organization Control)			
1.a	6.5, 6.6, 6.8, 6.9	WCGS onsite and off-site organizations	EPP 06-002, TECHNICAL SUPPORT CENTER OPERATIONS EPP 06-003, EMERGENCY OPERATION FACILITY OPERATIONS EPP 06-004, PUBLIC INFORMATION ORGANIZATION
1.a	6.10, 6.11, 6.12, 6.13	Outside organizations	
1.b	6.5 - 6.13		
1.c	FIGURE 6		
1.d	6.5, 6.6, 6.8, 6.9		EPP 06-001, CONTROL ROOM OPERATIONS EPP 06-002, TECHNICAL SUPPORT CENTER OPERATIONS EPP 06-003, EMERGENCY OPERATION FACILITY OPERATIONS
1.e	6.5.2	Notifications are made from the control room, at the direction of the Site Emergency Manager.	
2.a & 2.b	N/A		
3.	ATTACH. G		
4.	6.8.2	Off-site Emergency Manager	EPP 06-003, EMERGENCY OPERATION FACILITY OPERATIONS
	6.6.11, 6.8.10	Administrative Coordinators	EPP 06-002, TECHNICAL SUPPORT CENTER OPERATIONS EPP 06-003, EMERGENCY OPERATION FACILITY OPERATIONS
B. - ONSITE EMERGENCY ORGANIZATION			
1.	6.5, Figure 2		EPP 06-001, CONTROL ROOM OPERATIONS
2.	6.5.2	Site Emergency Manager	EPP 06-001, CONTROL ROOM OPERATIONS
3.	5.1.1, 5.2.1, 6.5.2, 6.6.5, 6.6.5.1, 6.8.2	Transfer of control from the SS to the Site Emergency Manager.	EPP 06-001, CONTROL ROOM OPERATIONS EPP 06-002, TECHNICAL SUPPORT CENTER OPERATIONS EPP 06-003, EMERGENCY OPERATION FACILITY OPERATIONS

ATTACHMENT C
(Page 2 of 8)
CROSS REFERENCE BETWEEN NUREG 0654, RERP, AND WCGS PROCEDURES

0654 Section	RERP Section	Comments	Procedure
B. - ONSITE EMERGENCY ORGANIZATION			
4.	6.5.2, 6.6.5, 6.8.2	Responsibilities of the SS, DED, DEM	EPP 06-001, CONTROL ROOM OPERATIONS EPP 06-002, TECHNICAL SUPPORT CENTER OPERATIONS EPP 06-003, EMERGENCY OPERATION FACILITY OPERATIONS
5	6.5, 6.6, 6.7, 6.8, 6.9	Major ERO positions and their functions	EPP 06-001, CONTROL ROOM OPERATIONS EPP 06-002, TECHNICAL SUPPORT CENTER OPERATIONS EPP 06-003, EMERGENCY OPERATION FACILITY OPERATIONS
6.	6.5, 6.6, 6.7, 6.8, 6.9, Fig. 5 & 6	Interfaces between WCGS and outside organizations	
7a.	6.8.11	Administrative Coordinator	EPP 06-003, EMERGENCY OPERATION FACILITY OPERATIONS
7b.	6.21	Recovery Plan	EPP 06-003, EMERGENCY OPERATION FACILITY OPERATIONS
7c.	6.8.2	Duty Emergency Manager	EPP 06-003, EMERGENCY OPERATION FACILITY OPERATIONS
7.d	6.9	On-site & Off-site Public Information Coordinator & Wolf Creek Public Information Officer	EPP 06-002, TECHNICAL SUPPORT CENTER OPERATIONS EPP 06-003, EMERGENCY OPERATION FACILITY OPERATIONS EPP 06-004, PUBLIC INFORMATION ORGANIZATION
8.	6.13	Specify contractors / organizations available on request	
9.	6.10	Identify local support agencies	
C. - EMERGENCY RESPONSE SUPPORT AND RESOURCES			
1.a	6.8.2	Persons authorized to request assistance	
1.b	6.12	Expected Federal resources	

ATTACHMENT C
(Page 3 of 8)
CROSS REFERENCE BETWEEN NUREG 0654, RERP, AND WCGS PROCEDURES

0654 Section	RERP Section	Comments	Procedure
C. - EMERGENCY RESPONSE SUPPORT AND RESOURCES			
1.c	6.4.1, 6.4.2, 6.4.4, 6.12.5	Space is provided for NRC personnel in the Control Room, TSC, and EOF. The EOF also has limited space for state and local personnel.	
2a.	N/A		
2.b	6.8.12		
3.	6.14.7	Identify radiological laboratories	
4.	6.13 and ATTACH G	Identify other facilities and organizations which could assist	
D. - EMERGENCY CLASSIFICATION SYSTEM			
1.	6.2	Emergency Classifications	EPP 06-005, EMERGENCY CLASSIFICATION
2.	6.2	Initiating conditions	EPP 06-005, EMERGENCY CLASSIFICATION
3. & 4.	N/A		
E. - NOTIFICATION METHODS AND PROCEDURES			
1.	6.3.3, 6.5.2, 6.6.5, 6.8.2	Notifications	EPP 06-007, EMERGENCY NOTIFICATIONS
2.	6.16.1, 6.5.3	Notification of responding personnel	EPP 06-015, EMERGENCY RESPONSE ORGANIZATION CALLOUT
3.	6.3.3, 6.5.2, 6.6.5, 6.8.2	Initial notifications	EPP 06-007, EMERGENCY NOTIFICATIONS
4.a thru 4.n	6.5.2, 6.6.5, 6.8.2	Follow-up Notifications	EPP 06-007, EMERGENCY NOTIFICATIONS
5.	N/A		
6.	6.10.3, 6.3.4.3, Attach B	Evacuation times	
7.	6.16.2.4		
F. - EMERGENCY COMMUNICATIONS			
1.a	6.5		
1.b	6.5.2		
1.c	6.5.2, 6.5.4, 6.6.5, 6.6.9, 6.8.2		

ATTACHMENT C
(Page 4 of 8)
CROSS REFERENCE BETWEEN NUREG 0654, RERP, AND WCGS PROCEDURES

0654 Section	RERP Section	Comments	Procedure
F. - EMERGENCY COMMUNICATIONS			
1.d	6.4.4, 6.16		
1.e	6.5.3, 6.16.1	ERO Callout	EPP 06-015, EMERGENCY RESPONSE ORGANIZATION CALLOUT
1.f	6.4.4, 6.5.2, 6.5.4, 6.6.9, 6.16.1		EPP 06-001, CONTROL ROOM OPERATIONS EPP 06-002, TECHNICAL SUPPORT CENTER OPERATIONS EPP 06-003, EMERGENCY OPERATION FACILITY OPERATIONS
2.	6.10.6		
3.	6.15, 6.18.1, 6.18.6		EPP 06-018, MAINTENANCE OF EMERGENCY FACILITIES AND EQUIPMENT/COMMUNICATION CHECKS
G. - PUBLIC EDUCATION AND INFORMATION			
1.	6.16.2		
2.	6.17.5, 6.17.6		
3.a	6.4.5, 6.16.2		EPP 06-004, PUBLIC INFORMATION ORGANIZATION
3.b	6.4.5		
4.a	6.9.1		EPP 06-004, PUBLIC INFORMATION ORGANIZATION
4.b	6.9.1, 6.9.10		EPP 06-004, PUBLIC INFORMATION ORGANIZATION
4.c	6.4.5, 6.9.8		EPP 06-004, PUBLIC INFORMATION ORGANIZATION
5.	6.16.2		
H. - EMERGENCY FACILITIES AND EQUIPMENT			
1.	6.4.2, 6.4.3, 6.6, 6.7		EPP 06-002, TECHNICAL SUPPORT CENTER OPERATIONS
2.	6.4.4, 6.8		EPP 06-003, EMERGENCY OPERATION FACILITY OPERATIONS
3.	6.8	Establish EOF.	
4.	6.6.1, 6.8.1, Fig.2,3,4 ATTACH. D		

ATTACHMENT C
(Page 5 of 8)
CROSS REFERENCE BETWEEN NUREG 0654, RERP, AND WCGS PROCEDURES

0654 Section	RERP Section	Comments	Procedure
H. - EMERGENCY FACILITIES AND EQUIPMENT			
5.a	6.14.3, 6.14.4, 6.14.5		
5.b	6.4.1, 6.4.2, 6.14.2		EPP 06-011, EMERGENCY TEAM FORMATION AND CONTROL
5.c	6.2.2, 6.14.2		
5.d	6.14.6		
6.a	6.14.1		
6.b	6.14.1 and Figure 8		EPP 06-011, EMERGENCY TEAM FORMATION AND CONTROL
6.c	6.14.7		
7.	6.15		EPP 06-011, EMERGENCY TEAM FORMATION AND CONTROL
8.	6.14.3		
9.	6.4.3		EPP 06-002, TECHNICAL SUPPORT CENTER OPERATIONS
10.	6.15		EPP 06-018, MAINTENANCE OF EMERGENCY FACILITIES AND EQUIPMENT/COMMUNICATION CHECKS
11.	6.15		
12.	6.14.7		EPP 06-011, EMERGENCY TEAM FORMATION AND CONTROL
I. - ACCIDENT ASSESSMENT			
1.	6.2		APF 06-002-01, EMERGENCY ACTION LEVELS
2.	6.3.20, 6.14.2		EPP 06-017, CORE DAMAGE ASSESSMENT METHODOLOGY
3.a	6.3.7		EPP 06-012, DOSE ASSESSMENT
3.b	6.3.7		EPP 06-012, DOSE ASSESSMENT
4.	6.3.7		EPP 06-012, DOSE ASSESSMENT
5.	6.14.3		
6.	6.3.7		EPP 06-012, DOSE ASSESSMENT
7.	6.3.8, 6.8.4		EPP 06-011, EMERGENCY TEAM FORMATION AND CONTROL
8.	6.3.7, 6.5.2, 6.6.5, 6.8.2		

ATTACHMENT C
(Page 6 of 8)
CROSS REFERENCE BETWEEN NUREG 0654, RERP, AND WCGS PROCEDURES

0654 Section	RERP Section	Comments	Procedure
I. - ACCIDENT ASSESSMENT			
9.	6.4.2, 6.4.4	Lower bound for iodine measurement capability is 1.0E-7uCi/cc.	
10.	6.3.7		EPP 06-012, DOSE ASSESSMENT
11.	6.3.8		EPP 06-011, EMERGENCY TEAM FORMATION AND CONTROL
J. - PROTECTIVE RESPONSE			
1.a thru 1.d	6.3.10, 6.3.11, 6.6.5		EPP 06-010, PERSONNEL ACCOUNTABILITY AND EVACUATION
2.	6.3.10, 6.3.11, Figure 1		
3.	6.3.9, 6.3.12, 6.4.8,		
4.	6.3.9, 6.3.12		
5.	6.3.10, 6.3.11, 6.6.5		EPP 06-010, PERSONNEL ACCOUNTABILITY AND EVACUATION
6.a thru 6.c	6.3.13, 6.3.14		EPP 06-013, EXPOSURE CONTROL AND PERSONNEL PROTECTION EPP 06-011, EMERENCY TEAM FORMATION AND CONTROL
7.	6.3.3		EPP 06-006, PROTECTIVE ACTION RECOMMENDATION
8.	Attach. B		
9.	N/A		
10.a & 10.b	Fig. 1		
10.c	6.1.6, 6.1.7, 6.10.2		
10.d & 10.1	N/A		
10.m	6.3.4.2		EPP 06-006, PROTECTIVE ACTION RECOMMENDATION
11. & 12.	N/A		
K. - RADIOLOGICAL EXPOSURE CONTROL			
1.a thru 1.g	6.3, 6.4.6, 6.10.5, 6.10.6		

ATTACHMENT C
(Page 7 of 8)
CROSS REFERENCE BETWEEN NUREG 0654, RERP, AND WCGS PROCEDURES

0654 Section	RERP Section	Comments	Procedure
2.	6.3.15, 6.3.16, 6.5.2, 6.6.5, 6.8.2		EPP 06-001, CONTROL ROOM OPERATIONS EPP 06-002, TECHNICAL SUPPORT CENTER OPERATIONS EPP 06-003, EMERGENCY OPERATION FACILITY OPERATIONS
3.a & 3.b	6.3.16, 6.3.17, 6.3.18, 6.4.2, 6.15.1		
4.	N/A		
5.a & 5.b	6.3.21, 6.3.23		
6.a thru 6.c	6.3.22, 6.3.23, ATTACH. E		
7.	6.3.13, 6.4.6		
L. - MEDICAL AND PUBLIC HEALTH SUPPORT			
1.	6.10.5		
2.	6.4.6		
3.	N/A		
4.	6.10.6		
M. - RECOVERY AND REENTRY PLANNING AND POST-ACCIDENT OPERATIONS			
1.0	6.21		EPP 06-008, RE-ENTRY, RECOVERY, AND TERMINATION OPERATIONS
2.	6.21		
3.	6.21		
4.	6.3.7	This is not specifically identified as a post-accident function	
N. - EXERCISES AND DRILLS			
1.a & 1.b	4.17, 6.19		EPP 06-009, DRILL AND EXERCISE REQUIREMENTS
2.a	6.18		
2.b	6.18.2		
2.c	6.18.3		
2.d	6.18.4		
2.e(1)	6.18.5		
2.e(2)	6.18.5		
3.a thru 3.f	6.19.5		
4.	6.19.4		
5.	6.19.4		

ATTACHMENT C
(Page 8 of 8)
CROSS REFERENCE BETWEEN NUREG 0654, RERP, AND WCGS PROCEDURES

0654 Section	RERP Section	Comments	Procedure
O. - RADIOLOGICAL EMERGENCY RESPONSE TRAINING			
1.a	6.17		EPP 06-021, TRAINING PROGRAMS
1.b	N/A		
2.	6.17.2, 6.17.4		
3.	6.4.6		
4.	6.17.4		
5.	6.17		
P. - RESPONSIBILITY FOR THE PLANNING EFFORT: DEVELOPMENT, PERIODIC REVIEW AND DISTRIBUTION OF EMERGENCY PLANS			
1.	6.17		
2.	5.3, 6.17.2		
3.	6.20.2		
4.	6.20.2		
5.	6.20.2		
6.	6.10, 6.11		
7.	ATTACH. C		
8.	Table of Contents and ATTACH. C		
9.	6.20.1		
10.	6.20.2		

- END -

ATTACHMENT D
(Page 1 of 1)
WCGS MINIMUM STAFFING FOR EMERGENCIES

FUNCTIONAL AREA	POSITION TITLE OR EXPERTISE	ON SHIFT	Capability For Additions: ** 60 mins	90 mins
Plant Operations & Assessment of Operational Aspects	Shift Supervisor (SRO)	1	-	-
	Supervising Operator (SRO)	1	-	-
	Reactor Operator (RO)	2	-	-
	Nuclear Station Operator	4	-	-
Emergency Direction and Control	Site Emergency Manager	1*	-	-
Notification/ Communication	Emergency Communicator	1*	3	-
Radiological Accident Assessment & Support of Operational Accident Assessment	Off-site Emergency Manager and staff	-	-	5
	Sr. Health Physics Expertise	-	1	-
	HP Personnel	1	8	-
	Chemistry Personnel	1	1	-
Plant System Engineering, Repair & Corrective Actions	Shift Technical Advisor	1	-	-
	Core/Thermal Hydraulics Eng.	-	1	-
	Electrical Eng.	-	1	-
	Mechanical Eng.	-	1	-
	Radwaste Operator	1*	-	-
	Mechanical Maint.	-	2	-
	Electrical Maint.	1*	2	-
	I&C Technician	-	1	-
Protective Actions (In-Plant)	HP Personnel	1*	4	-
Fire fighting = Fire Brigade(FB)	--	FB per Tech Specs	Local Support	Local Support
Rescue Operations and First Aid	--	2*	Local Support	Local Support
Site Access Control and Accountability	Security Personnel	All per Security Plan		
	TOTAL	11	25	5

* May be provided by shift personnel assigned to other functions.

** It is a goal to add, in accordance with this table, to the on-shift capabilities when determined necessary after a declared Emergency.

- END -

ATTACHMENT E
(Page 1 of 2)
EPA/KANSAS PROTECTIVE ACTION GUIDES

E.1 Population Protective Action Guides (PAG) For Exposure To A Plume - Early Phase

Protective Action	PAG (Projected Dose)	Comments
Evacuation	1-5 rem (Note 1)	Evacuation (or sheltering should normally be initiated at 1 rem.
Administration of stable iodine (Note 2)	25 rem (Note 3)	Special Populations

(1) Dose is TEDE, which includes effective dose equivalent from external and internal sources and committed effective dose equivalent from inhalation. Committed dose equivalents to the thyroid and to the skin may be 5 and 50 times larger, respectively.
(2) Use of KI is not planned for general population in Kansas. The State considers prompt evacuation of the public to be a more effective protective measure than administration of KI.
(3) Committed dose equivalent to be thyroid from radioiodine.

E.2 Emergency Worker Dose Limits

E.2.1 Keep all doses ALARA and limit doses to the following TEDE levels:

Dose Limit (Rem)	Activity	Condition
5	All	
10	Protecting valuable property	Lower dose not practicable
25	Life saving or protection of large populations	Lower dose not practicable
>25	Life saving or protection of large populations	Only on a voluntary basis to persons fully aware of the risks involved

E.3 Emergency Worker Iodine Dose Limits

E.3.1 Keep all doses ALARA and limit iodine doses to the following committed dose equivalent through use of KI and/or respiratory protection:

Dose Limit (Rem)	Activity
25	Any worker, any phase
No Limit - Life saving activities	No specific upper limit is given for thyroid dose since in life saving activities, complete thyroid loss might be an acceptable sacrifice if a life can be saved. However, this should not be necessary if respirators and/or thyroid protections for rescue personnel are available as a result of adequate planning.

ATTACHMENT E
(Page 2 of 2)
EPA/KANSAS PROTECTIVE ACTION GUIDES

E.4 Protective Action Guides For Exposure To Deposited Radioactivity - Intermediate Phase

Protective Action	PAG (Projected Dose) (1)	Comments
Relocate the general population (2)	≥ 2 rem	Beta dose to skin may be up to 50 times higher. Doses in any single year after the first will not exceed 0.5 rem, and the cumulative dose over 50 years will not exceed 5 rem.
Apply simple dose reduction techniques (3)	<2 rem	These protective actions should be taken to reduce doses to as low as practicable levels

(1) The projected sum of effective dose equivalent from external gamma radiation and committed effective dose equivalent from inhalation suspended materials, from exposure or intake during the first year. Projected dose refers to the dose that would be received in the absence of shielding from structures of the application or dose reduction techniques. These PAGs may not provide adequate protection for some long-live radionuclides.

(2) Persons previously evacuated from areas outside the relocation zone defined by this PAG may return to occupy their residences. Cases involving relocation of persons at high risk from such action (e.g. patients under intensive care) should be evaluated individually.

(3) Simple dose reduction techniques include scrubbing and/or flushing hard surfaces, soaking or plowing soil, minor removal of soil from spots where radioactive materials have concentrated, and spending more time than usual indoors or in other low exposure rate areas.

- END -

ATTACHMENT F
(Page 1 of 1)
USAR CHAPTER 15 POSTULATED EVENTS

Feedwater system malfunctions that result in decrease of feedwater temperature
Feedwater system malfunctions that result in increase of feedwater system flow
Excessive increase in secondary steam flow
Inadvertent opening and failure to close of SG ARV or safety vlv
Steam system piping failure (inside containment)
Steam system piping failure (outside containment)
Loss of external load (Main Generator trip)
Turbine Trip
Inadvertent closure of MSIVs
Loss of condenser vacuum & other events resulting in turbine trip
Loss of non-emergency AC power to station auxiliaries
Loss of normal feedwater
Feedwater system pipe break
Partial loss of forced RCS flow
Complete loss of forced RCS flow
RCP shaft seizure (locked rotor)
RCP shaft break
Uncontrolled RCCA bank withdrawal from a subcritical of low-power startup condition
Uncontrolled RCCA withdrawal at power
RCCA misalignment
Startup of inactive RCP at an incorrect temperature
CVCS malfunction resulting in a decrease in the boron concentration in the RCS
Inadvertent loading and operation of a fuel assembly in improper position
RCCA ejection accidents
Inadvertent ECCS operation at power
CVCS malfunction that increases RCS inventory
Inadvertent opening, with failure to close, of pressurizer safety or relief valve
Break in instrument line or other lines from RCS pressure boundary that penetrate containment
SG tube rupture
LOCA spectrum
Radioactive waste gas decay tank failure
Postulated radioactive releases due to liquid tank failure
Fuel handling accident (inside containment)
Fuel handling accident (Fuel Building)
Spent fuel cask drop
Anticipated transients without scram

- END -

ATTACHMENT G
(Page 1 of 1)
LETTERS OF AGREEMENT

Party:

The Coffey County Sheriff's Office

Board of Trustees Fire District No. 1, Coffey County, KS

Newman Memorial Hospital

Coffey County Hospital and Ambulance Service

Topeka Air Ambulance Inc. (d.b.a. Life Star)

Wolf Creek Nuclear Operating Corporation/Union Electric Co. Emergency Mutual Assistance Agreement

INPO (Support During an Emergency)

Department of Energy**

Nuclear Regulatory Commission**

National Weather Service***

EPRI/INPO/NEI/Member Utilities Coordination Agreement on Emergency Information

Westinghouse

* As of January 1, 1987, the Letters of Agreement in this Supplement are transferred from Kansas Gas and Electric Company to the Wolf Creek Nuclear Operating Corporation. These Letters of Agreement are maintained on file and may be reviewed upon request.

** These LOAs will not be updated. They have been superseded by the publication of the "Federal Radiological Emergency Response Plan" in the Federal Register on 11/8/85.

*** As of 8/25/93, the National Weather Service stated in writing that a Letter of Agreement with WCGS is unnecessary. Their "National Plan for Radiological Emergencies at Commercial Nuclear Power Plants," November 1982, remains in effect.

- END -

ATTACHMENT H
(Page 1 of 1)
REPORTING OF INCIDENTS PER 10 CFR 20

RADIATION INCIDENTS	VALUES	.2202 Telephone & Telegraph						.2203 Written		
		Immediate Notification			24 Hour Notification			30 Day Notification		
		WCGS	NRC	KDEM	WCGS	NRC	KDEM	WCGS	NRC	KDEM
TEDE	25 REM (.25 Sv)	X	X	X				X	X	X
	5 REM (.05 Sv)	X				X	X	X	X	X
	MPE .1201				X			X	X	X
Shallow dose to skin or extremities in excess of	250 Rad	X	X	X				X	X	X
	50 REM	X				X	X	X	X	X
	MPE .1201				X			X	X	X
To the eye	75 REM (.75 Sv)	X	X							
	15 REM (.15 Sv)	X				X	X			
	MPE .1201				X			X	X	
Effluent release excess of	5 ALI	X	X	X				X	X	X
	1 ALI	X				X	X	X	X	X
	MPE .1201				X			X	X	X

X = Indicates notification is required
MPE = Maximum Permissible Exposure
DAC = Derived Air Concentration
WCGS = Wolf Creek Generating Station
NRC = Nuclear Regulatory Commission
KDEM = Kansas Division of Emergency Management
ALI = Annual Limit on Intake

FIGURE 1
EFFECTIVE 10 MILE EPZ, SUBZONES AND EVACUATION ROUTES

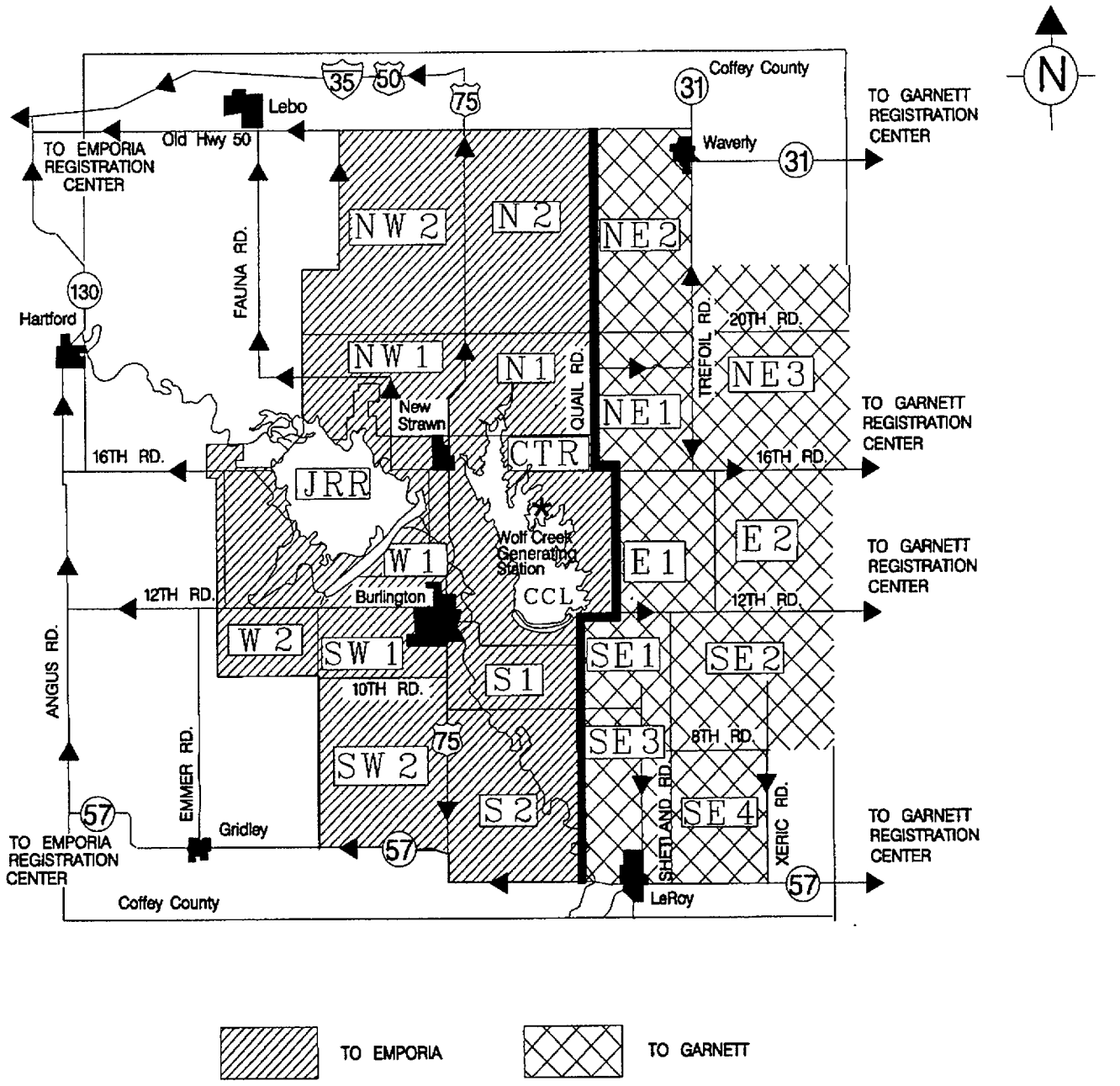
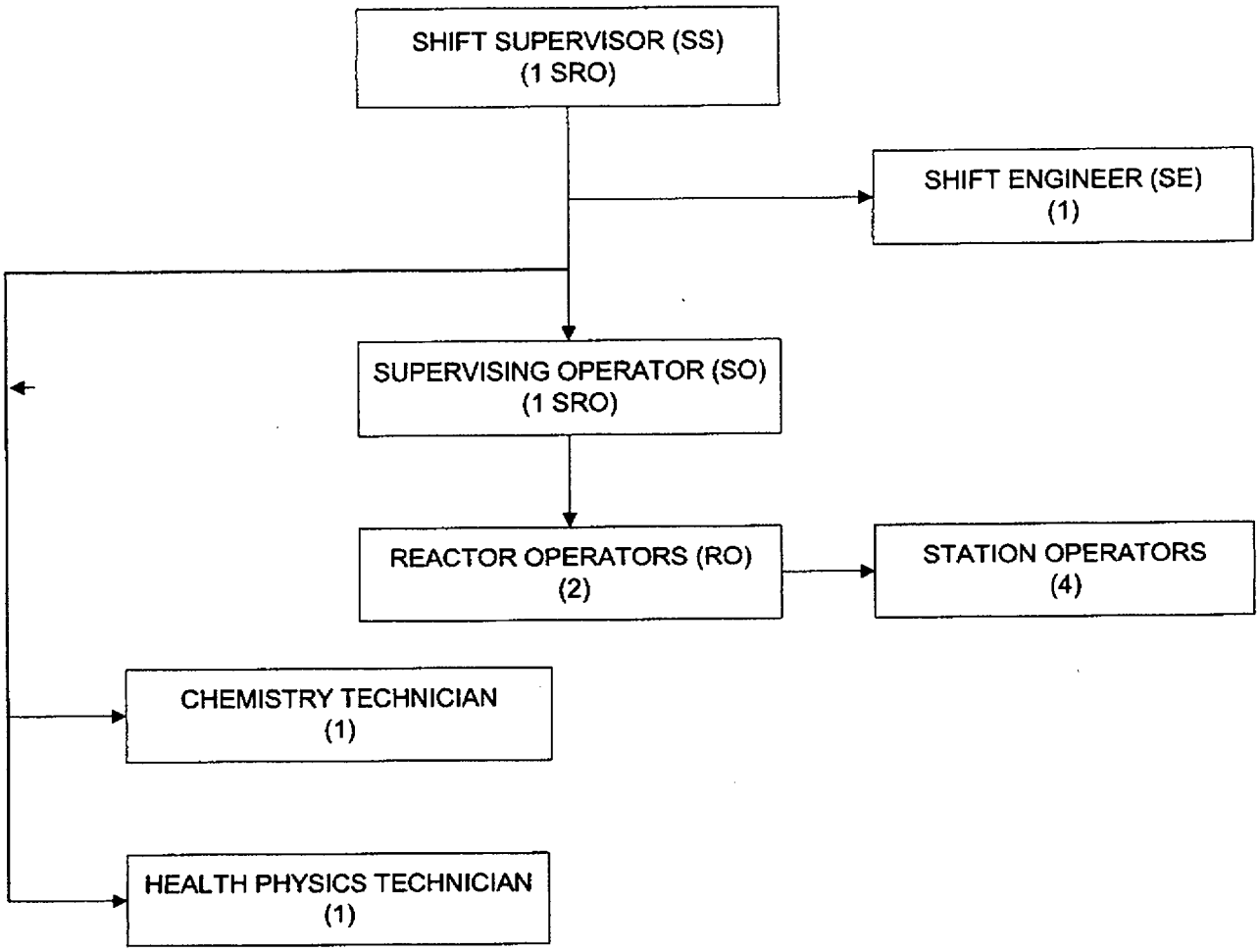


FIGURE 2
MINIMUM SHIFT COMPLEMENT



→ Direction

Technical Guidance

SRO = Senior Reactor Operator

STA = Shift Technical Advisor

NOTE:
The SE or an SRO meeting the STA requirements of the NRC must be on shift in Modes 1 thru 4

FIGURE 3
TSC/OSC ORGANIZATION

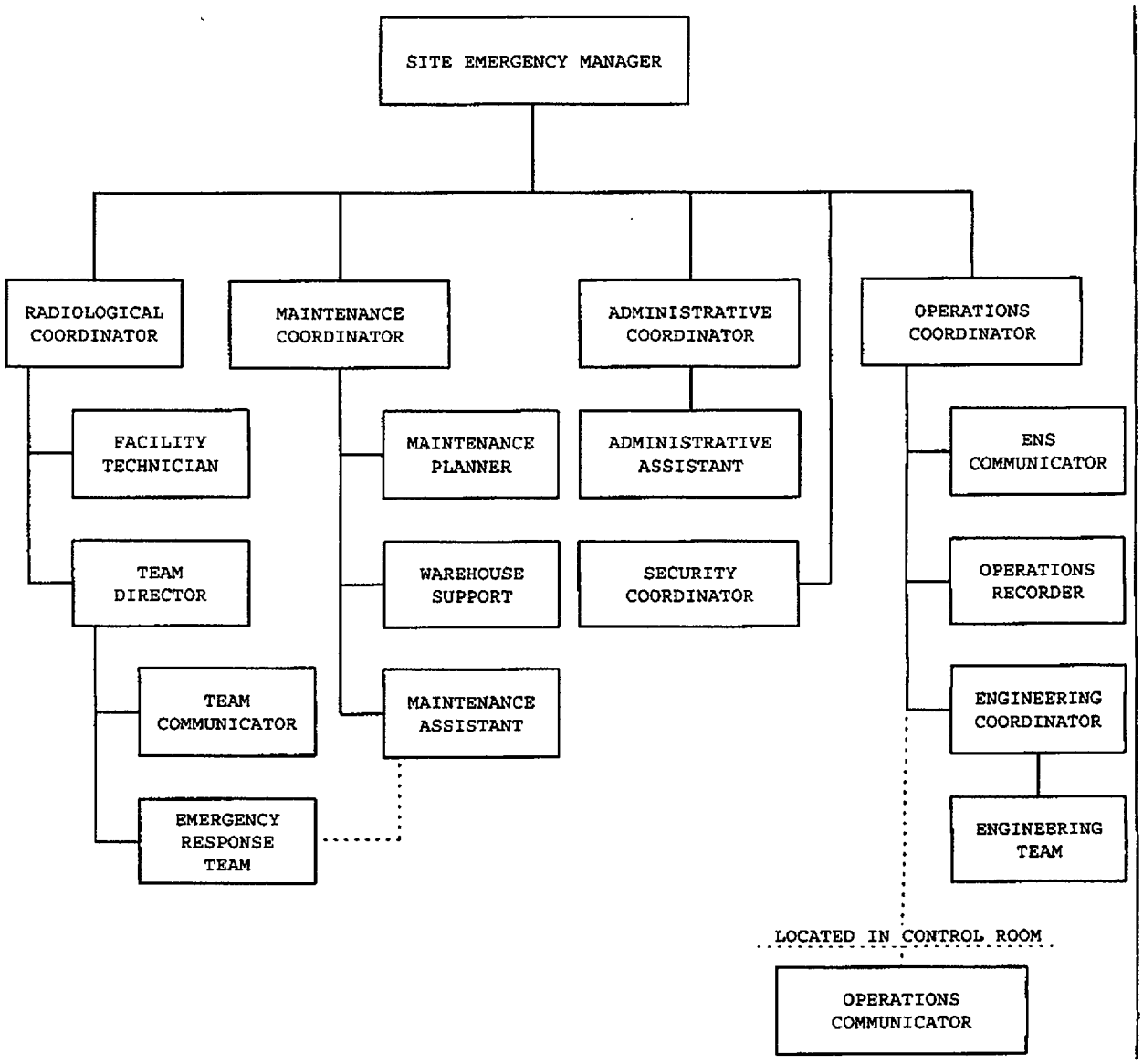


FIGURE 4
EOF ORGANIZATION

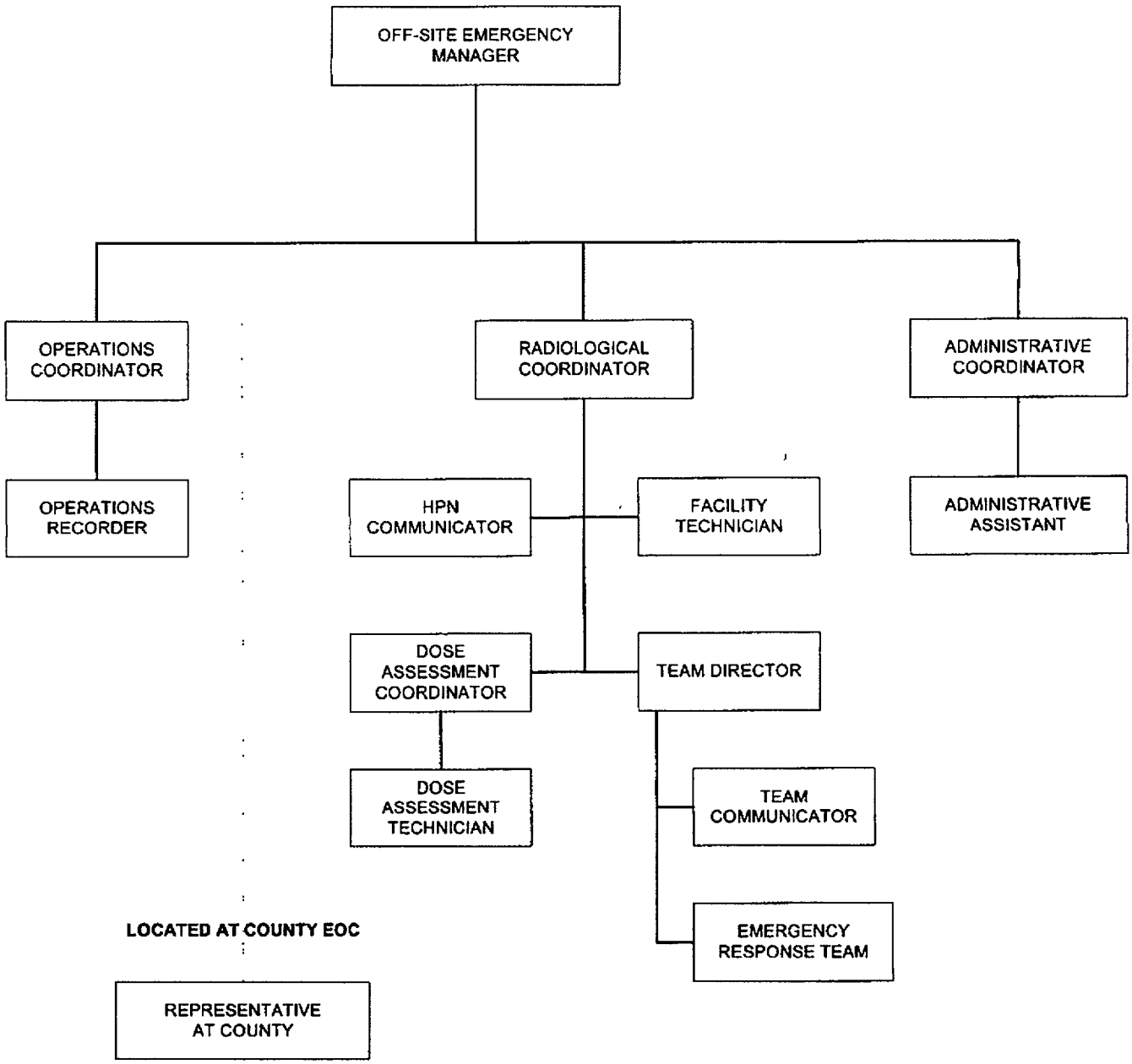
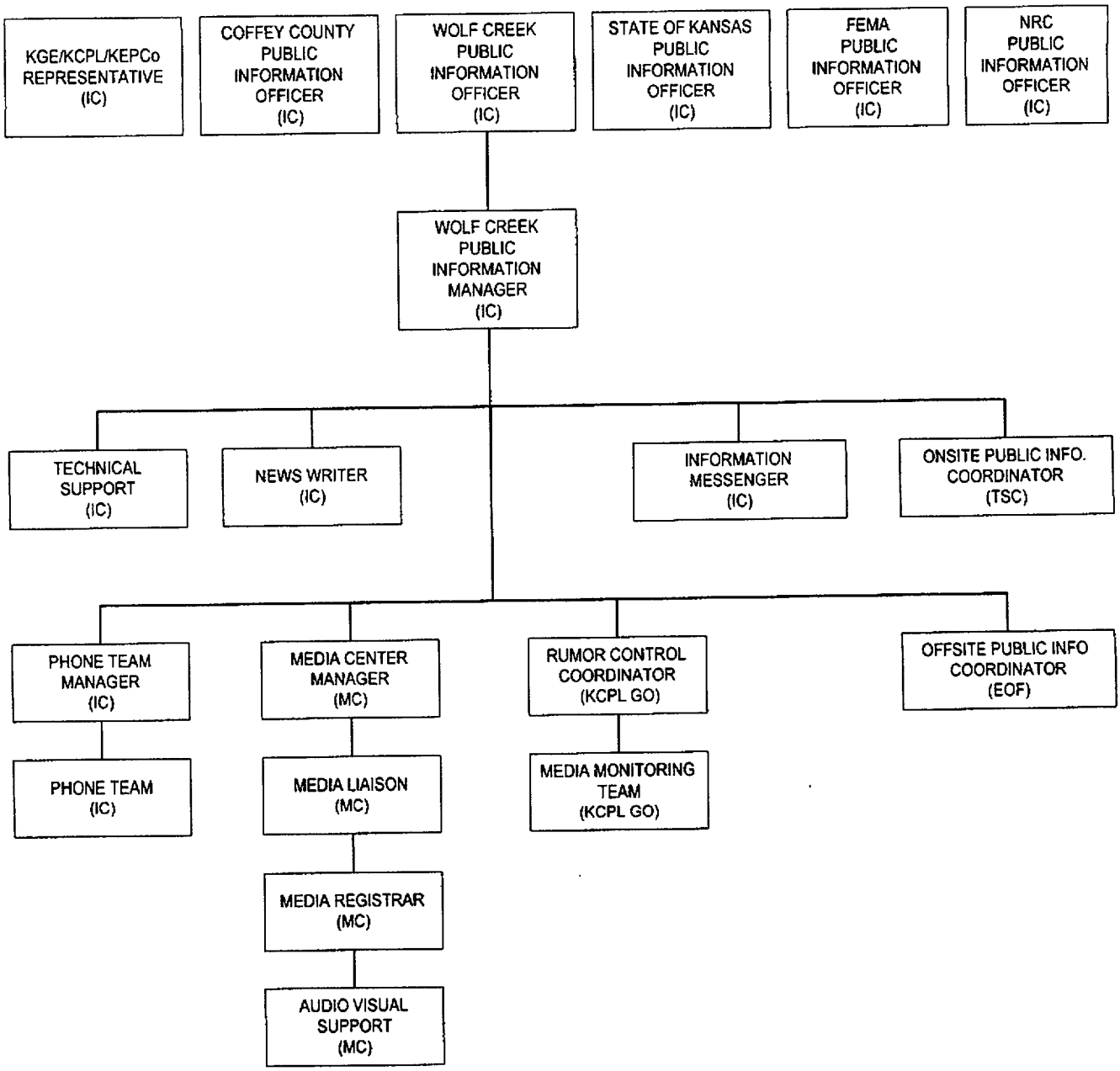
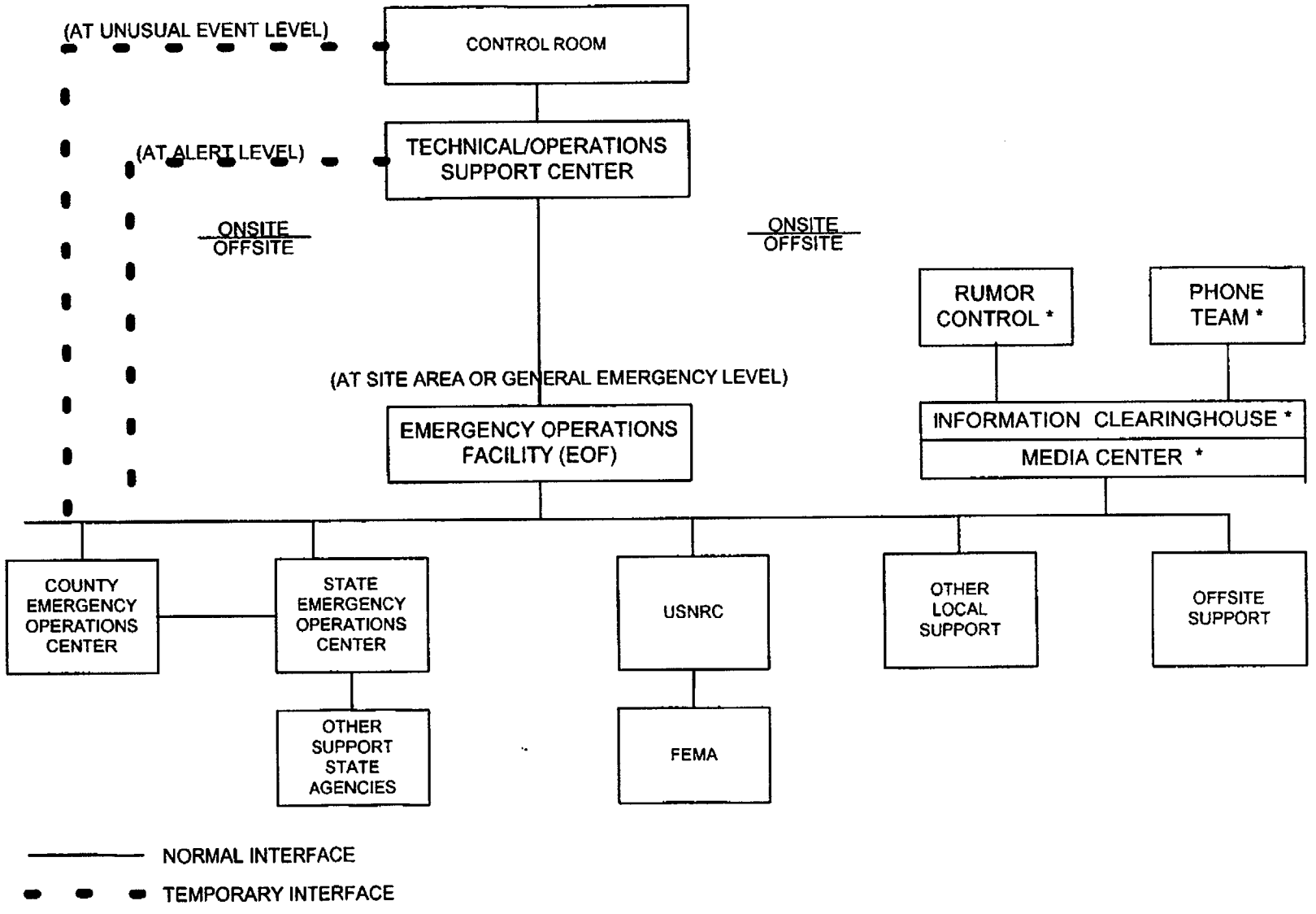


FIGURE 5
PUBLIC INFORMATION ORGANIZATION



EMERGENCY ORGANIZATIONS INTERFACES



EOF may be activated at Alert level.
* Any of these functions may be activated at any emergency classification level.

FIGURE 6
EMERGENCY ORGANIZATIONS INTERFACES

FIGURE 7
WCGS EMERGENCY RESPONSE FACILITIES

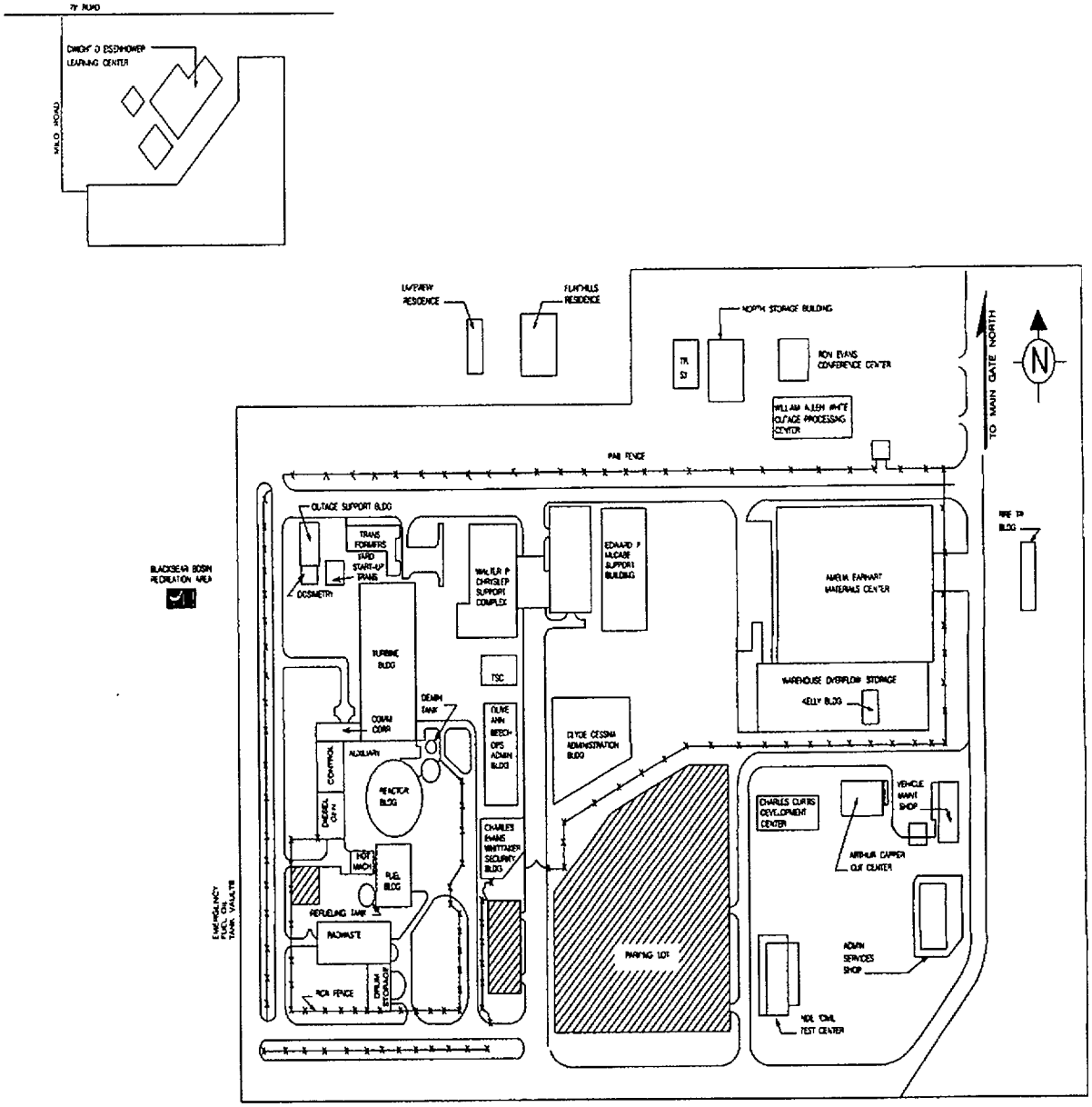
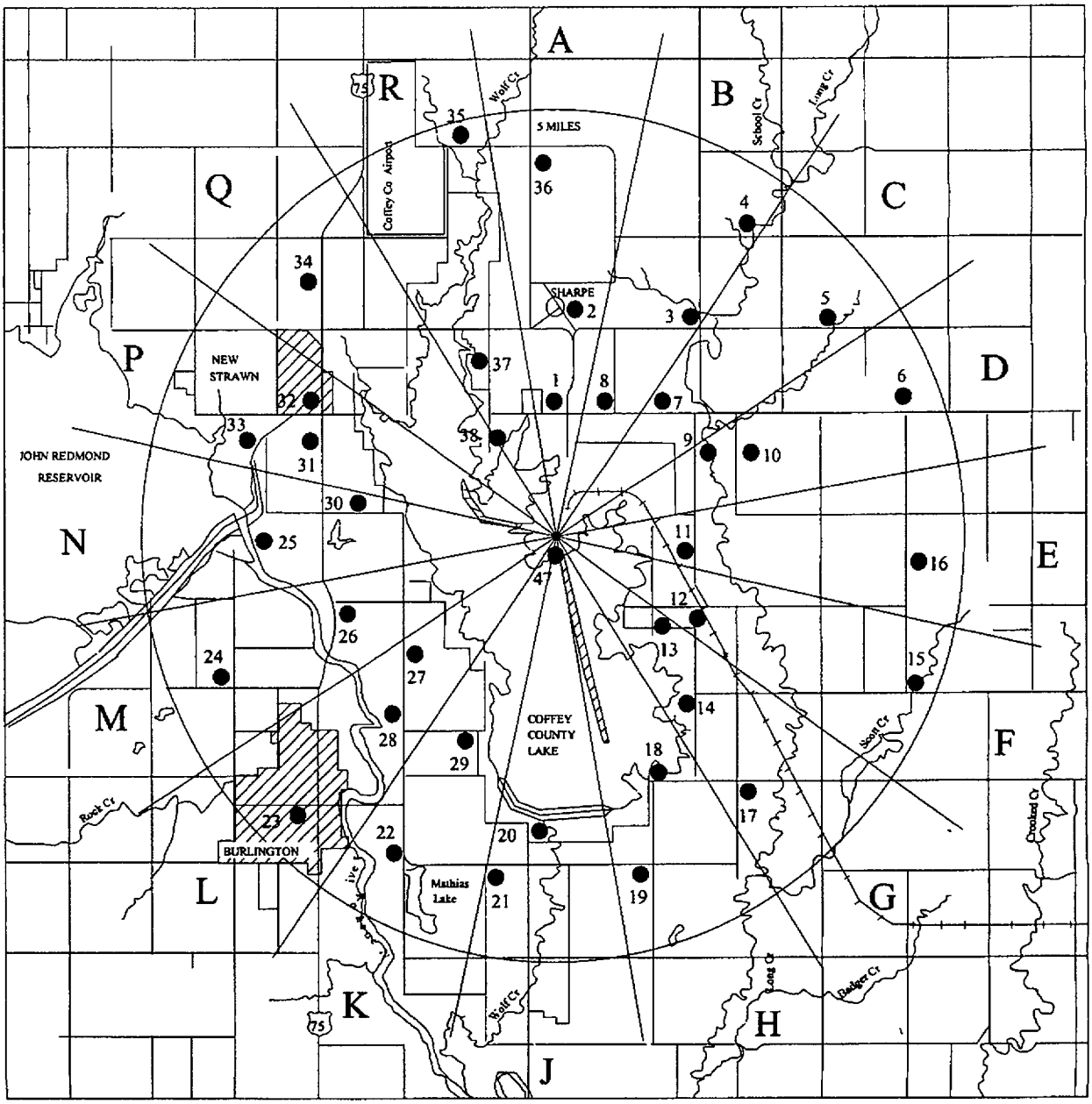


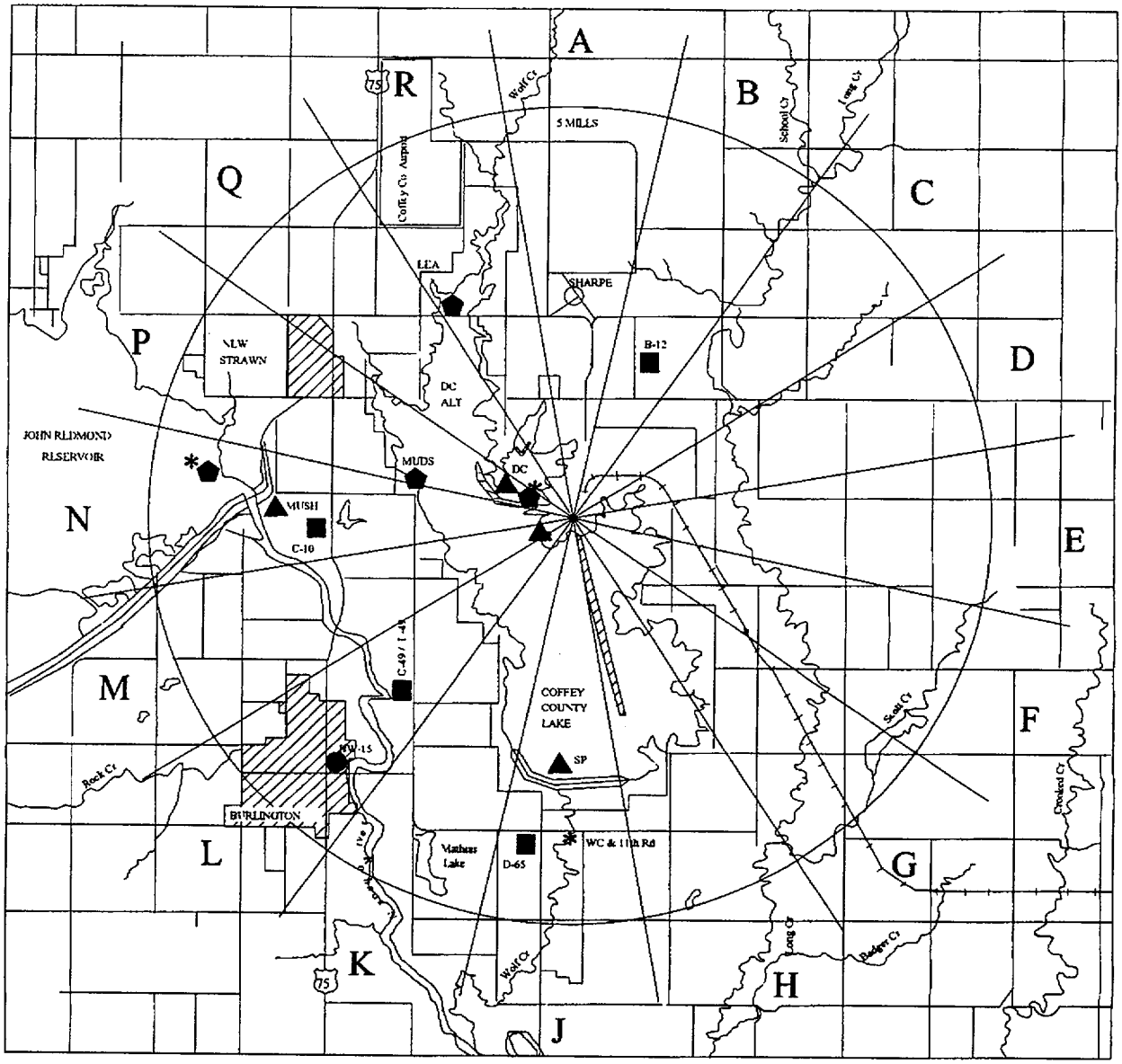
FIGURE 8
DIRECT RADIATION PATHWAY SAMPLING LOCATIONS



DIRECT RADIATION PATHWAY SAMPLING LOCATIONS

● = TLD LOCATIONS

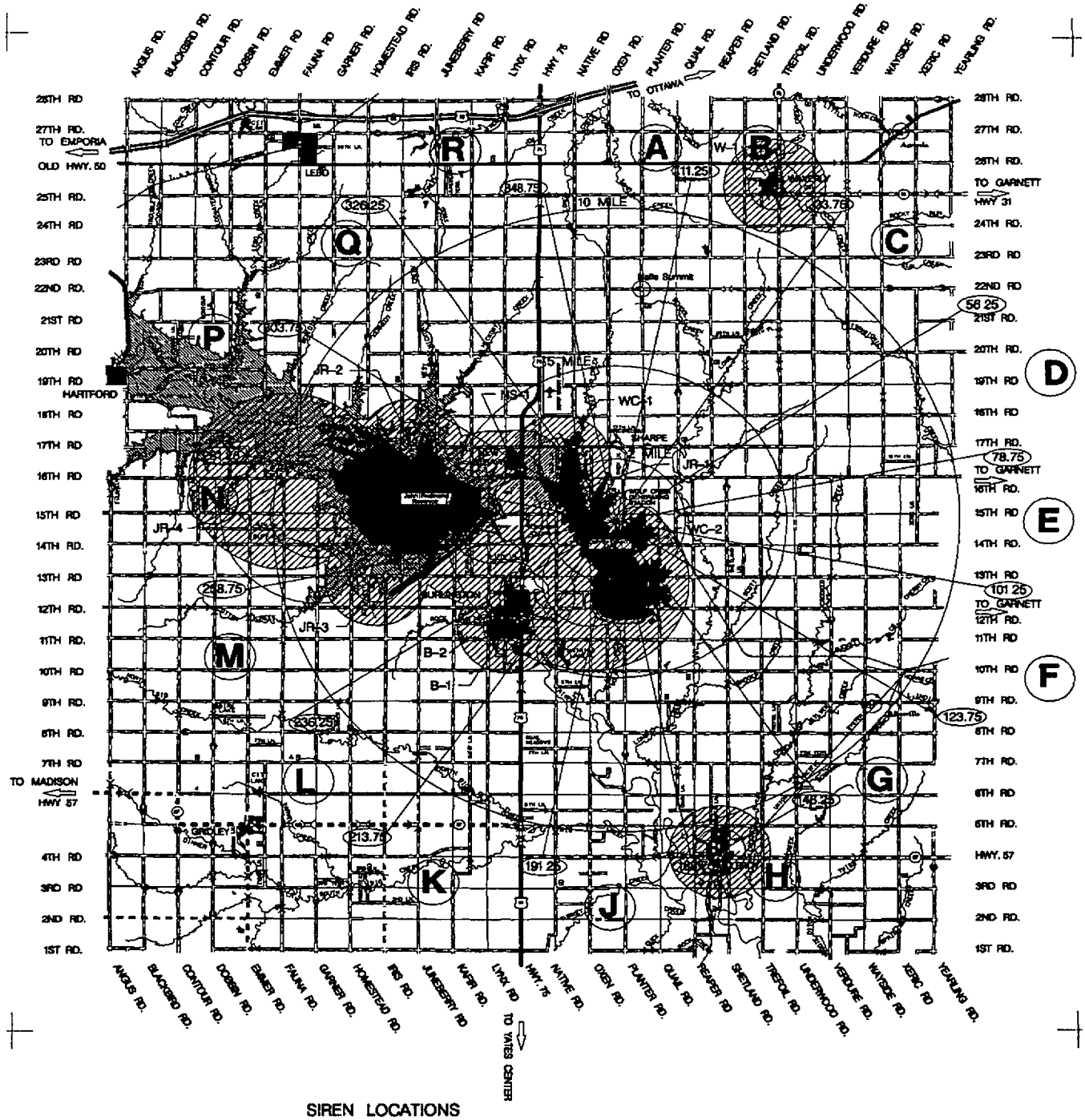
FIGURE 9
WATERBORNE PATHWAY SAMPLING LOCATION



WATERBORNE PATHWAY SAMPLING LOCATIONS

- ● = DRINKING WATER
- ▲ = SURFACE WATER
- ■ = GROUND WATER
- ⬟ = SHORELINE SEDIMENT
- ✱ = BOTTOM SEDIMENT
- ✓ = AQUATIC VEGETATION / ALGAE

FIGURE 10
FIXED SIREN SIGHTING



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01/11/2000

WOLF CREEK
NUCLEAR OPERATING CORPORATION

EPP 06-001

CONTROL ROOM OPERATIONS

Responsible Manager

Manager Resource Protection

Revision Number	1
Use Category	Reference
Administrative Controls Procedure	No
Infrequently Performed Procedure	No
Program Number	06

DC2 03/31/99

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides direction for on-shift personnel respond from the Control Room upon the declaration of an emergency classification.

2.0 SCOPE

2.1 This procedure is applicable to all Control Room and on-shift personnel upon declaration of an emergency classification.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 Code of Federal Regulations 10CFR20, Standards for Protection Against Radiation.

3.1.2 AP 06-002, RADIOLOGICAL EMERGENCY RESPONSE PLAN (RERP)

3.2 Commitments

3.2.1 RCMS 95-083, Failure Of The Control Room Staff To Use Site-Wide Announcements And Facility Briefings To Inform Plant Staff Of Major Developments And The Status Of Emergency Response Activities.

3.2.2 RCMS 91-140, Guidance To Appropriate Personnel For Access Control, Habitability, And Dosimetry Control.

4.0 DEFINITIONS

4.1 Emergency Classification

4.1.1 A system used to define the severity of emergencies into one of four categories based upon Emergency Action Levels. Classifications listed in order of increasing severity are as follows:

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

4.2 Records

4.2.1 Documents such as calculation worksheets, computer printouts, forms, logs, memos, checklists, or any paper used to record data or information during an emergency, drill or exercise which may be used for event reconstruction.

5.0 RESPONSIBILITIES

5.1 Shift Manager

5.1.1 Initial response and classification of an event which is diagnosed during their assigned shift.

5.1.2 For the direction and response of on shift Operations, Maintenance, Chemistry, and Health Physics personnel who report to the Control Room.

5.2 Off-site Communicator

5.2.1 Perform immediate and follow-up notifications of off-site agencies.

5.3 Emergency Notification System (ENS) Communicator

5.3.1 Make and maintain contact with the NRC Operations Center using the ENS telephone.

5.4 Chemistry Technician

5.4.1 Perform dose assessment during a declared emergency.

5.5 Health Physics Technician (HP)

5.5.1 Provide radiological data to the Shift Manager.

5.5.2 Monitor Control Room habitability.

5.6 Operations Communicator

5.6.1 Provide information on plant status from the Control Room to the TSC as it happens.

5.7 Shift Engineer

5.7.1 Initiate the Emergency Response Data System (ERDS) within 60 minutes of an Alert or higher classification.

6.0 PRECAUTIONS/LIMITATIONS

6.1 The Emergency Response Data System (ERDS) must be activated within 60 minutes of a declaration of an Alert or higher emergency.

7.0 PROCEDURE

7.1 Control Room Functions

7.1.1 Control Room personnel monitor plant operations and respond to any abnormal situation or event which could require an emergency classification to be declared.

7.1.2 Emergency Action Levels (EALs) are used to determine if and which emergency classification to declare.

7.1.3 The Shift Manager assumes the duties of the Site Emergency Manager upon the declaration of an Emergency Classification. While performing the duties of the Site Emergency Manager, the Shift Manager may not delegate the following responsibilities:

- o Emergency Classification
- o Authorization of Notification of Off-site Authorities
- o Protective Action Recommendations
- o Authorization of Emergency Exposure in excess of 10CFR20 Limits

7.1.4 Once a classification is made, on shift personnel perform the following:

1. Control Room personnel take appropriate technical actions to mitigate the event.
2. Nuclear Station Operators (NSOs) notify the Control Room of their location and perform as directed by the Control Room.
3. Chemistry and one Health Physics Technicians report to the Control Room and perform as directed by the Shift Manager.
4. Assigned personnel perform notifications to off-site agencies and establish ENS communications.
5. Control Room habitability is monitored, dose assessment is implemented, and contamination control is established for the Control Room.
6. On-shift Maintenance personnel notify the Control Room of their location and perform as directed by the Shift Manager.

7. Personnel sent out from the Control Room to perform designated functions, except on-shift NSOs, report to the Control Room until the TSC assumes control of Emergency Response Teams.

7.1.5 Plant announcements are made for items such as all emergency classifications, changes in major equipment status, known hazards in the plant, and when terminating an emergency.

1. The following written announcements are available:

   - o EPF 06-001-01, NOTIFICATION OF UNUSUAL EVENT EMERGENCY ANNOUNCEMENT
   - o EPF 06-001-02, ALERT EMERGENCY ANNOUNCEMENT
   - o EPF 06-001-03, SITE AREA EMERGENCY ANNOUNCEMENT
   - o EPF 06-001-04, GENERAL EMERGENCY ANNOUNCEMENT
   - o EPF 06-001-05, RECOVERY/TERMINATION ANNOUNCEMENT

7.1.6 Work being performed in the plant should be evaluated and personnel performing work critical to the emergency may be exempted from evacuating. Those personnel will be included in Control Room accountability.

7.1.7 Personnel should maintain a log of events during the emergency for later event reconstruction.

7.1.8 Control Room positions and steps covering each position are listed below.

- o Step 7.2, Shift Manager
- o Step 7.3, Off-site Communicator
- o Step 7.4, ENS Communicator
- o Step 7.5, Chemistry Technician
- o Step 7.6, Health Physics Technician
- o Step 7.7, Operations Communicator
- o Step 7.8, Shift Engineer

7.2 Shift Manager

7.2.1 IF a Security Emergency has been declared, THEN classify the event and perform State and County notifications in accordance with EPP 06-007, EMERGENCY NOTIFICATIONS.

1. **DO NOT** implement call-out and/or activation of the Emergency Facilities until the Security Emergency has been terminated.

7.2.2 WHEN a classification has been determined, THEN immediately direct the Off-site Communicator to initiate callout and notify Security of the declared emergency.

7.2.3 IF an NUE has been declared, THEN perform the following:

1. Obtain EPF 06-001-01, NOTIFICATION OF UNUSUAL EVENT EMERGENCY ANNOUNCEMENT, and ensure the announcement is read over the Gaitronics

2. Complete EPF 06-007-01, WOLF CREEK GENERATING STATION EMERGENCY NOTIFICATION, and give the original to an Off-site Communicator.

7.2.4 IF an Alert or higher emergency has been declared, THEN perform the following:

1. Obtain and complete the appropriate announcement form for the declared emergency.

   - EPF 06-001-02, ALERT EMERGENCY ANNOUNCEMENT
   - EPF 06-001-03, SITE AREA EMERGENCY ANNOUNCEMENT
   - EPF 06-001-04, GENERAL EMERGENCY ANNOUNCEMENT

2. List the reason(s) for the emergency classification on the form.

NOTE

Secondary Access Facility is normally closed between 1800 and 0600. Security will open SAF upon request from Shift Manager.

3. IF personnel are ordered to evacuate, THEN use the following to determine which exit personnel should use to evacuate and check the appropriate box on the form:

a. IF no radiological release is in progress or wind direction is not of concern, THEN exit the PAB and assemble at an assembly area.

b. IF a radiological release is actual or imminent and wind direction is from 180-269°, THEN exit only through Main Security and assemble in the Charles Curtis Development Center.

c. IF a radiological release is actual or imminent and wind direction is from 270-360°, THEN exit only through Secondary Access Facility and assemble in the William Allen White Outage Processing Center.

d. IF dose projections indicate TEDE greater than or equal to 1 REM OR Thyroid greater than or equal to 5 REM, THEN evacuate and assemble at Emporia State University Physical Education Building.

4. IF radiological release is actual or imminent, THEN check the box for stopping eating, drinking, smoking, and chewing.

5. IF unique hazards exist or areas should be avoided, THEN check the box and list the concerns on the form.

NOTE

The site all page system, other public announcement systems, or the gaitronics may be used to make emergency announcements.

6. Ensure Site Evacuation Alarm is sounded and the completed announcement form is announced to personnel on-site.

7. Complete EPF 06-007-01, WOLF CREEK GENERATING STATION EMERGENCY NOTIFICATION, and give the original to an Off-site Communicator.

7.2.5 IF Off-site Support is needed, THEN refer to Section II of the RETD, OFFSITE SUPPORT, for Off-site Support phone numbers.

7.2.6 Monitor plant status and reclassify the emergency as necessary in accordance with EPP 06-005, EMERGENCY CLASSIFICATION.

7.2.7 IF accountability is required, THEN ensure ACAD badge numbers of personnel reporting to or retained by the Shift Manager are called to Secondary Alarm Station to enable accountability to be completed within 30 minutes of the emergency classification.

7.2.8 IF a radiological release is in progress, THEN ensure the Unit Vent Monitor is in ACCIDENT MODE.

7.2.9 Initiate dose assessment and habitability verification by informing the Chemistry Technician and HP Technician of release status, path, duration and provide a brief plant status.

7.2.10 IF radiological conditions warrant, THEN direct the following onsite protective actions as necessary:

- o Authorize emergency exposures in accordance with EPP 06-013, EXPOSURE CONTROL AND PERSONNEL PROTECTION
- o Decontamination of onsite personnel in accordance with RPP 02-310, PERSONNEL DECONTAMINATION
- o Issuance of KI in accordance with EPP 06-013, EXPOSURE CONTROL AND PERSONNEL PROTECTION
- o Notify HP of teams and their job duties being dispatched to the field to ensure proper instructions are provided for the teams.

7.2.11 Make required Protective Action Recommendations in accordance with EPP 06-006, PROTECTIVE ACTION RECOMMENDATION.

7.2.12 WHEN the responsibility and authority for the emergency has been transferred to Site Emergency Manager, THEN resume normal duties and keep the TSC informed of plant status.

7.2.13 Ensure Control Room personnel are notified of the transfer of duties to an Emergency Manager.

7.2.14 WHEN the TSC is activated, THEN report all teams in the field, except on-shift Nuclear Station Operators, to the TSC Operations Recorder.

NOTE

The steps in this section may be performed in any order to ensure tasks are completed in the required time.

7.3 Off-site Communicator

7.3.1 WHEN an emergency is declared OR as directed, THEN initiate staffing of the Emergency Response Organization (ERO) by activating the E-Plan pagers or Automatic Dialing System (ADS) in accordance with EPP 06-015, EMERGENCY RESPONSE ORGANIZATION CALLOUT.

7.3.2 Perform Emergency Notifications in accordance with EPP 06-007, EMERGENCY NOTIFICATIONS.

1. WHEN the State and County notifications are complete, THEN provide a copy of the notification form to the ENS Communicator.

7.3.3 At an Alert or higher emergency, unless directed otherwise by the Shift Manager, sound the Site Evacuation Alarm.

1. Read the appropriate emergency classification announcement as distinctly as possible over the plant all page system. [Commitment Step 3.2.1]

   - o Plant Page System number is 7920. At tone dial 0 for all buildings.

2. Ensure the gaitronics is merged after Site Evacuation Alarm has timed out.

7.3.4 Provide Security with the emergency classification announcement and the ACAD badge numbers for all crew members and anyone retained by the Shift Manager for accountability. [Commitment Step 3.2.1]

7.3.5 WHEN the TSC is activated and has assumed notification responsibilities, THEN disconnect the verification phone in the Control Room.

7.3.6 Perform duties as assigned by the Shift Manager.

7.4 ENS Communicator

7.4.1 Obtain and complete EPF 06-001-06, ENS COMMUNICATOR'S WORKSHEET, to use for communicating with the NRC.

7.4.2 Establish and maintain continuous communications with the NRC via the Emergency Notification System (ENS) FTS 2000 telephone. IF the NRC determines that continuous communications or contact with all facilities is not necessary, THEN communications may be terminated as directed by the NRC.

1. Use of the ENS phone is in accordance with EPP 06-007, EMERGENCY NOTIFICATIONS.

7.4.3 Provide the following additional information to the NRC:

1. Any further degradation in the level of safety of the plant or other worsening plant conditions
2. The results of ensuing evaluations or assessments of plant conditions
3. The effectiveness of response or protective measures taken
4. Any information related to plant behavior that is not understood by the NRC

7.5 Chemistry Technician

7.5.1 Notify the Shift Manager of your presence in the Control Room.

7.5.2 IF CHARMS GT RE 59 and/or GT RE 60 change substantially while performing a dose assessment, THEN inform the Shift Manager.

7.5.3 IF CHARMS GT RE59 and/or GT RE60 read equal to or greater than 2.8E+4 R/HR, THEN notify the Shift Manager.

7.5.4 IF while performing a dose assessment it is obvious the 1 Rem TEDE or 5 Rem Thyroid value will be exceeded, THEN inform the Shift Manager.

7.5.5 WHEN dose assessment is completed, THEN brief the Shift Manager on the following:

1. Assumptions used
2. Results
3. Specify if TEDE doses equal or exceed the 1 Rem value
4. Specify if Thyroid doses equal or exceed the 5 Rem value

7.5.6. IF a Follow-up Notification is required, THEN confirm correct dose projection numbers have been entered on the form.

7.5.7 WHEN the EOF is activated, THEN provide dose assessment data generated in the Control Room to the EOF Radiological Coordinator.

7.6 Health Physics Technician

7.6.1 Notify the Shift Manager of your presence in the Control Room.

7.6.2 Keep the Shift Manager informed of the habitability status of the Control Room. [Commitment Step 3.2.2]

7.6.3 Make radiological protective action recommendations for teams sent out by Shift Manager.

7.6.4 Keep the Shift Manager informed of other radiological items such as team reports or increasing radiation readings from plant area. [Commitment Step 3.2.2]

7.6.5 Ensure an access control point is established for entrance and exit of the Control Room. [Commitment Step 3.2.2]

7.6.6 Assist Control Room personnel with obtaining the appropriate dosimetry. [Commitment Step 3.2.2]

7.6.7 IF directed by the Shift Manager, THEN report to Access Control.

7.7 Operations Communicator

7.7.1 Set up communications system.

7.7.2 WHEN the TSC and EOF activate, THEN initiate a conference phone call with the Operations Recorders by performing the following:

1. Call the TSC Operations Recorder at ext. 5387
2. Flash the switch-hook, listen for tone
3. Call the EOF Operations Recorder at ext. 5704
4. Flash the switch-hook, ensure all parties on line
5. Repeat steps 2 through 4 for additional parties, up to a total of six

7.7.3 Determine and report the locations and activities of teams dispatched from the Control Room to the TSC Operations Recorder.

7.7.4 IF the NPIS computer is inoperable, THEN provide required information to the Operations Recorders for the Operations Status Board.

1. Refer to EPF 06-002-02, OPERATIONS STATUS, for data needed to be obtained. Form is in the EPP Forms book.

7.7.5 Report plant conditions and operational manipulations to the Operations Recorders.

7.8 Shift Engineer

NOTE

Emergency Response Data System (ERDS) must be activated within 60 minutes of an Alert or higher classification.

7.8.1 Ensure ERDS is initiated within 60 minutes of an Alert or higher classification.

NOTE

The NPIS screen used to initiate ERDS will be unavailable for use during the event.

1. From an authorized NPIS terminal initiate ERDS by performing one of the following:

   - Select the E-Plan Menu, then touch the ERDS block on the screen.

   OR

   - Type the Turn-On code "ERDS" and press the "Return/Enter" key

2. Follow the prompts until the ERDS is activated.

7.8.2 Resume duties as directed by the Shift Manager.

8.0 INITIAL ACTIONS

8.1 None

9.0 SUBSEQUENT ACTIONS

9.1 None

10.0 RECORDS

10.1 Records generated by this procedure during an actual emergency are considered lifetime QA records and shall be forwarded to Emergency Planning at the termination of the emergency.

10.2 Records generated by this procedure during a drill or exercise are considered non-QA records and shall be forwarded to Emergency Planning at the termination of the drill or exercise.

11.0 FORMS

11.1 EPF 06-001-01, NOTIFICATION OF UNUSUAL EVENT EMERGENCY ANNOUNCEMENT

11.2 EPF 06-001-02, ALERT EMERGENCY ANNOUNCEMENT

11.3 EPF 06-001-03, SITE AREA EMERGENCY ANNOUNCEMENT

11.4 EPF 06-001-04, GENERAL EMERGENCY ANNOUNCEMENT

11.5 EPF 06-001-05, RECOVERY/TERMINATION ANNOUNCEMENT

11.6 EPF 06-001-06, ENS COMMUNICATOR'S WORKSHEET

- END -

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01/12/2000

WOLF CREEK
NUCLEAR OPERATING CORPORATION

EPP 06-002

TECHNICAL SUPPORT CENTER OPERATIONS

Responsible Manager

Manager Resource Protection

Revision Number	2
Use Category	Reference
Administrative Controls Procedure	No
Infrequently Performed Procedure	No
Program Number	06

DC2 11/05/99

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides guidelines for the activation of the Technical Support Center (TSC), and the responsibilities and guidance for Emergency Response Organization (ERO) personnel assigned to the TSC.

2.0 SCOPE

2.1 This procedure is implemented following the declaration of an Alert or higher emergency classification. The Shift Manager may request the Site Emergency Manager to activate the TSC during a Notification of Unusual Event.

2.2 This procedure provides direction for positions assigned to the Operations Support Center (OSC) also. Since the OSC is housed in the TSC, for the purpose of this procedure the OSC is part of the TSC.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 Code of Federal Regulations 10 CFR 20

3.1.2 RADIOLOGICAL EMERGENCY TELEPHONE DIRECTORY (RETD)

3.1.3 RADIOLOGICAL EMERGENCY RESPONSE PLAN (RERP)

3.2 Commitments

3.2.1 RCMS 91-151, Emergency Response Data System (ERDS) Implementation Program

3.2.2 RCMS 91-142, Failure to Establish and Maintain Habitability in the Emergency Response Facilities

3.2.3 RCMS 92-188, Timely Notification of an Emergency and Timely Activation of the TSC and OSC

3.2.4 RCMS 97-067, Maintain Priority Board Information Up-To-Date

3.2.5 RCMS 97-066, DED To Inform Personnel Of Information Needed To Escalate Classification

4.0 DEFINITIONS

4.1 Callout

4.1.1 The methodology which is implemented to provide proper staffing of the ERO.

4.2 Emergency Action Levels (EALs)

4.2.1 Specific parameters or conditions that may be used as thresholds for declaring a particular emergency classification.

4.3 Emergency Classification

4.3.1 A system used to define the severity of emergencies into one of four categories based upon projected or confirmed emergency action levels. Classifications listed in order of increasing severity are as follows:

- o Notification of Unusual Event
- o Alert
- o Site Area Emergency
- o General Emergency

4.4 Emergency Conditions

4.4.1 Situations occurring which cause or may threaten to cause radiological hazards affecting the health and safety of employees or the public, or which may result in damage to property.

4.5 Facility Activation

4.5.1 A facility is considered activated when the designated positions are present, the Emergency Manager determines the facility is ready to activate, and declares the facility activated.

4.6 Operations Support Center (OSC)

4.6.1 A staging area located in the TSC for emergency teams to support the emergency response effort.

4.7 Records

4.7.1 Documents such as calculation worksheets, computer printouts, forms, logs, memos, checklists, or any paper used to record data or information during an emergency, drill or exercise which may be used for event reconstruction.

4.8 Technical Support Center (TSC)

4.8.1 The TSC serves as a center outside of the Control Room that acts in support of the command-and-control function and houses the OSC organization. Plant status and diagnostic information are available at this location for use by technical and management personnel in support of control room command-and-control functions.

5.0 RESPONSIBILITIES

5.1 Site Emergency Manager

5.1.1 Coordinate and direct on-site emergency response.

5.1.2 Classify/terminate the emergency in accordance with the Emergency Action Levels (EALs).

5.1.3 Approve radiation exposure greater than the limits of 10CFR20 for on-site ERO personnel.

5.1.4 Establish priorities for accident mitigation and emergency repair.

5.1.5 Declare the TSC activated and establish priorities for TSC personnel.

5.1.6 Approve Emergency Notifications and Protective Action Recommendations until the EOF is activated.

5.2 TSC Operations Coordinator

5.2.1 Coordinate overall emergency response activities with the Control Room staff.

5.3 TSC Administrative Coordinator

5.3.1 Provide support for TSC personnel as needed and direction for the TSC Administrative Assistants.

5.4 TSC Radiological Coordinator

5.4.1 Provide direction for radiological conditions associated with activities controlled by the TSC.

5.5 TSC Facility Technician

5.5.1 Perform radiological duties in the TSC as directed.

5.6 Maintenance Coordinator

5.6.1 Determine the need for and appoint members to Emergency Response Teams.

5.7 Engineering Coordinator

5.7.1 Directs the assessment and evaluation tasks of the Engineering Team.

6.0 PRECAUTIONS/LIMITATIONS

6.1 The assigned Site Emergency Manager will assume command-and-control functions and will be the top line manager responsible for the emergency until the EOF is activated. TSC activation will be performed as soon as practical and within the times as stated in the following: [Commitment Step 3.2.3]

6.1.1 During off-normal working hours, it is the goal to activate the TSC within 75 minutes of a declaration of an Alert or higher classification.

6.1.2 During normal working hours, it is the goal to activate the TSC within 30 minutes of a declaration of an Alert or higher classification.

6.2 Personnel entering the TSC may be required to perform a whole body frisk at a designated frisking station.

6.3 Teams dispatched from on-site locations may not require an HP Technician as part of the team. However, approval must be obtained from the TSC Radiological Coordinator prior to leaving for the initial and each additional destination.

6.4 Facility evacuation should be considered if there is an actual or projected dose greater than or equal to 5 REM TEDE, unless the Site Emergency Manager authorizes exposures up to 25 REM.

6.5 Personnel in the TSC may be directed to relocate to another suitable location in the event emergency conditions preclude activation or warrant evacuation of the TSC.

6.6 Emergency Response Data System (ERDS) must be activated within 60 minutes of a declaration of an Alert or higher emergency.

7.0 PROCEDURE

7.1 Facility Activation

7.1.1 Upon notification of an Alert or higher emergency or at the discretion of the Shift Manager during an NUE, assigned ERO team members report to and establish TSC operations as follows:

1. IF bar code scanner is setup, THEN scan ACAD badge.
2. Obtain the position name tag for the assigned position from the TSC or OSC Staffing Board.
3. Print name and ACAD badge number on the Staffing Board where the position badge was located.
4. Proceed to assigned work station and commence with position functions as directed by this procedure.

7.1.2 Personnel should log/record significant emergency response information.

7.1.3 The TSC may be activated when the following positions are present and the Site Emergency Manager determines the facility is ready to activate:

- o Site Emergency Manager
- o TSC Operations Coordinator
- o TSC Administrative Coordinator
- o TSC Radiological Coordinator
- o Maintenance Coordinator

7.1.4 WHEN TSC equipment problems or failures are identified, THEN these problems or failures should be reported to the TSC Administrative Coordinator.

7.1.5 WHEN TSC habitability is posted as degraded, THEN personnel in the TSC will not eat, drink, or chew.

7.1.6 IF the TSC personnel are required to relocate, THEN refer to ATTACHMENT B, OSC RELOCATION SUPPLIES/EQUIPMENT, for a list of supplies to be considered for transport to the relocation area.

7.2 Facility Deactivation

7.2.1 The Site Emergency Manager should inform personnel in the TSC to deactivate.

7.2.2 Each TSC position holder should transmit logs and any other documentation generated during the emergency to the TSC Administrative Coordinator.

7.2.3 The TSC Administrative Coordinator should transmit all documentation collected to Emergency Planning.

7.2.4 Each TSC position holder should evaluate the condition of equipment and supplies.

7.2.5 Each TSC position holder should return equipment and supplies to pre-activation status.

7.2.6 Each TSC position holder should report any deficiencies in facility equipment or supplies to the TSC Administrative Coordinator.

7.2.7 The TSC Administrative Coordinator should notify Emergency Planning of any damaged or missing facility equipment.

7.3 Site Emergency Manager

7.3.1 Obtain a turnover briefing from the Shift Manager. EPF 06-002-01, EMERGENCY MANAGERS TURNOVER SHEET, may be used as an aid for this turnover.

7.3.2 Ensure the following positions have been filled and are ready for TSC activation: [Commitment Step 3.2.3]

- o TSC Operations Coordinator
- o TSC Administrative Coordinator
- o TSC Radiological Coordinator
- o Maintenance Coordinator

CAUTIONS

The following responsibilities are those of the Emergency Managers and may NOT be delegated. These responsibilities may be divided between the Site and Off-site Emergency Managers:

- **o Emergency Classification**
- **o Protective action recommendations**
- **o Authorization for notification of off-site authorities**
- **o Authorization of Emergency Exposures on-site in excess of 10CFR20 Limits**

7.3.3 Assume command-and-control of site emergency response activities from the Shift Manager.

1. IF the EOF is not activated, THEN assume the Notification and Protective Action Recommendations duties until the EOF is activated.
2. Inform the staff in the TSC you have assumed command-and-control and that the TSC is declared activated.
3. Direct the TSC Administrative Coordinator to make a plant announcement that the TSC is activated and the name of the Site Emergency Manager.

7.3.4 Conduct initial and periodic briefings for the TSC staff focusing upon the highest priority items and key parameters which are likely to lead to an escalated emergency classification. [Commitment Step 3.2.5]

7.3.5 Assess plant conditions and evaluate the need to reclassify the emergency in accordance with EPP 06-005, EMERGENCY CLASSIFICATION.

1. Direct the Control Room to make appropriate plant announcements for changing classifications.

2. Direct the Control Room to initiate callout as necessary for the declared emergency.

7.3.6 Coordinate with the TSC Radiological Coordinator on the need to authorize exposure limits in excess of 10CFR20 limits, with NRC concurrence if practical, and the need to recommend ingestion of potassium iodide (KI).

7.3.7 Evaluate and authorize radiation exposure levels for site personnel.

1. Approve exposures exceeding 2 REM (TEDE).

2. Approve exposures in excess of 10 CFR 20 limits.

7.3.8 Ensure the Shift Manager is updated with status changes and decisions as they happen.

7.3.9 Coordinate shift relief for Control Room and TSC personnel with the EOF.

7.3.10 IF downgrading or terminating an emergency, THEN perform in accordance with EPP 06-008, RECOVERY OPERATIONS.

7.4 TSC Operations Coordinator

7.4.1 Ensure the normal power supply to the TSC is available. IF unavailable, THEN ensure the Diesel Generator is started in accordance with ATTACHMENT C, TSC DIESEL OPERATIONS.

7.4.2 Ensure the facility clock is synchronized with the Control Room clock.

7.4.3 Post the appropriate Emergency Classification sign.

7.4.4 Inform the Site Emergency Manager of readiness for TSC activation.

7.4.5 Coordinate overall emergency response activities with the Control Room staff.

7.4.6 Ensure HEPA Filtration and the Iodine Monitor are placed in service in accordance with ATTACHMENT A, HEPA FILTRATION AND IODINE MONITORING STARTUP, when an Alert or higher emergency has been declared.

NOTE

Emergency Response Data System (ERDS) must be activated within 60 minutes of the declaration of an Alert or higher emergency.

7.4.7 Ensure the Emergency Response Data System (ERDS) has been activated. [Commitment Step 3.2.1]

1. Instructions for initiating ERDS activation are contained in ATTACHMENT D, EMERGENCY RESPONSE DATA SYSTEM (ERDS) OPERATIONS.

7.4.8 Monitor plant conditions for changes which could affect the emergency classification and notify the Site Emergency Manager of the conditions.

7.4.9 Evaluate actual or potential radiological releases based on plant conditions. Discuss evaluation with the Site Emergency Manager and TSC Radiological Coordinator.

7.5 TSC Administrative Coordinator

7.5.1 Ensure the Control Room is contacted for status of notifications.

7.5.2 Notify the Site Emergency Manager of readiness for TSC activation.

7.5.3 Ensure TSC accountability is being performed and maintained.

7.5.4 Ensure the State and County are notified that the TSC is activated and that the Site Emergency Manager has assumed command-and-control of the emergency.

7.5.5 Ensure Immediate and Follow-up Notifications are performed in accordance with EPP 06-007, EMERGENCY NOTIFICATIONS.

7.5.6 Ensure initial TSC staffing is adequate. IF staffing is not adequate, THEN call out additional personnel in accordance with EPP 06-015, EMERGENCY RESPONSE ORGANIZATION CALLOUT.

7.5.7 For off-hours activation obtain the ADS report and perform the following:

- o Evaluate TSC staffing.
- o Provide the EOF Administrative Coordinator and Wolf Creek Public Information Officer with applicable staffing information.
- o Ensure Security is informed of those individuals requiring Fitness-For-Duty testing.

7.5.8 Make arrangements for shift relief and meals.

7.5.9 Ensure the TSC Administrative Assistants are briefed on Site Emergency Manager's updates and emergency status.

7.5.10 Ensure the Security Shift Lieutenant is briefed on plant and radiological conditions that may impact Security operations.

7.5.11 IF a Site Area or General Emergency has been declared, THEN determine from the Security Shift Lieutenant the status of an Exclusion Area Boundary evacuation.

7.6 TSC Radiological Coordinator

7.6.1 Obtain current radiological status and Protective Action Recommendations made.

7.6.2 Ensure the TSC Facility Technician and one other person to make a team are available. [Commitment Step 3.2.3]

7.6.3 Ensure facility habitability has been established and post the appropriate habitability sign.

7.6.4 Notify the Site Emergency Manager of readiness for facility activation.

7.6.5 Ensure dosimetry devices are placed in the facility or issued to personnel as appropriate in accordance with EPP 06-013, EXPOSURE CONTROL AND PERSONNEL PROTECTION.

7.6.6 Ensure the Site Emergency Manager is briefed on radiological status for the development of Protective Action Recommendations.

7.6.7 Initiate surveys in accordance with EPP 06-011, EMERGENCY TEAM FORMATION AND CONTROL.

7.6.8 IF access is denied through the main entrance of the TSC, THEN advise the TSC Administrative Assistant to ensure the airlock door is closed and to move to the rear entrance of the TSC to maintain accountability.

7.6.9 Provide the Site Emergency Manager with an evaluation of the conditions potentially requiring personnel exposure in excess of 10 CFR 20 limits.

- o IF time permits, THEN initiate EPF 06-013-01, EMERGENCY EXPOSURE AUTHORIZATION.

7.6.10 For actual or projected doses perform the following:

1. IF an actual or projected dose in the facility is 5 REM TEDE, THEN inform the Site Emergency Manager of the need to evacuate the facility. [Commitment Step 3.2.2]

2. IF projected thyroid dose is greater than or equal to 25 REM, THEN recommend the ingestion of KI in accordance with EPP 06-013, EXPOSURE CONTROL AND PERSONNEL PROTECTION.

7.6.11 Ensure Emergency Response Teams are informed of changing plant conditions, emergency classifications and protective action recommendations which may affect the team's ability to complete assigned activities.

7.6.12 Complete the following information on EPF 06-011-01, PLANT TEAM BRIEFING CHECKLIST, and transfer the form to the TSC Team Director.

- o Plant Status
- o Radiological Conditions

7.6.13 IF off-site medical assistance is needed, THEN ensure Health Physics support requirements are met.

7.6.14 Assist in personnel evacuation by performing the following:

1. Dispatch an HP Technician to the Security Building to establish radiological control and conduct personnel monitoring, if required.

2. Inform Security Shift Lieutenant of appropriate radiological plant data and direction of the plume for dissemination to evacuating personnel.

7.7 TSC Facility Technician

7.7.1 Establish and maintain facility habitability.

1. IF readings greater than 100 cpm above background on the general area frisker or greater than background on the General Atomics iodine monitor are noted, THEN an air sample will be taken in accordance with RPP 02-210, RADIATION SURVEY METHODS.

2. IF the General Atomics iodine monitor at the TSC is inoperable during HEPA filter operation, THEN initiate portable iodine sampling at least hourly in accordance with RPP 02-210, RADIATION SURVEY METHODS.

3. Ensure all AIR LOCK DOORS are closed. [Commitment Step 3.2.2]

4. Position a frisker in the facility for habitability monitoring. IF the frisker alarms, THEN take an air sample of the TSC.

   o Lead bricks are available for shielding.

5. Record the Iodine Monitor cpm reading in the Facility Technician log.

6. Record the Area Radiation Monitor mR/hr reading in the Facility Technician log.

   o IF the area radiation monitor exceeds 20 mR/hr, THEN notify the TSC Radiological Coordinator.

7. IF a release is in progress OR as directed, THEN place a frisker at the facility entrance for personnel monitoring.

7.7.2 Inform the TSC Radiological Coordinator of all facility habitability surveys.

7.7.3 Check the Ventilation Iodine Monitor hourly for proper operation.

   o IF inoperable, THEN initiate portable iodine sampling at least hourly.

7.7.4 Identify and label inoperable equipment.

7.7.5 Ensure 10 sets of 0-500 mR and 0-5 R dosimeters are functional and ready for use.

7.7.6 Determine dose margin and respirator qualifications of personnel assigned to Emergency Response Teams.

7.8 Maintenance Coordinator

7.8.1 Verify personnel are present and ready to perform Emergency Response Team tasks. [Commitment Step 3.2.3]

7.8.2 Provide the Site Emergency Manager with an assessment of pre-emergency maintenance activities.

7.8.3 Coordinate with the Site Emergency Manager to determine what information to list on the Priority Board and maintain the board up-to-date. [Commitment Step 3.2.4]

7.8.4 Obtain the status of and evaluate teams dispatched by the Control Room from the TSC Operations Recorder.

7.8.5 Direct the Maintenance Planners to develop a repair plan for equipment repair.

7.8.6 Determine the scope of Emergency Response Team activities to be performed.

7.8.7 Initiate EPF 06-011-01, PLANT TEAM BRIEFING CHECKLIST, and coordinate with Maintenance Assistant on field team assignment.

7.8.8 Advise the Site Emergency Manager of Emergency Response Team status.

7.9 Engineering Coordinator

7.9.1 Coordinate and direct the efforts of the Engineering Team to technically assess plant status and the severity of the emergency conditions.

7.9.2 Direct accident assessment and mitigation activities to be performed in accordance with EPP 06-016, ACCIDENT ASSESSMENT AND MITIGATION.

7.9.3 Advise the TSC Operations Coordinator on technical matters relating to fuel integrity, plant systems, equipment, and instrumentation.

7.9.4 Support maintenance items assigned to Emergency Response Teams.

7.10 TSC Operations Recorder

7.10.1 Ensure NPIS is operable by verifying time and date in the upper right-hand corner are updating.

NOTES

o The Operations Status Board has a goal of being updated at 15 minute intervals.

7.10.2 Maintain the Operations Status Board current by using NPIS Turn-On-Codes SB1 and SB2 OR with data obtained from the Operations Communicator on EPF 06-002-02, OPERATIONS STATUS.

1. Maintain a hard-copy of the NPIS printouts or completed EPF 06-002-02, OPERATIONS STATUS.

7.10.3 Monitor plant status for adverse trends and inform the TSC Operations Coordinator of changes in plant status which could affect the emergency classification.

7.10.4 Track procedure progress, list the procedure being performed by the Control Room.

7.10.5 WHEN transitions are made to the next procedure, THEN notify the TSC Operations Coordinator.

7.10.6 Communicate information, concerning emergency teams dispatched from the Control Room, directly to the TSC Maintenance Coordinator.

7.11 TSC Administrative Assistant

7.11.1 Ensure the operability of phones and radios to be used for County and State notifications. Conduct an initial radio check with Coffey County and the State of Kansas.

7.11.2 Ensure the verification phone is plugged in and operable.

7.11.3 Maintain TSC accountability by performing the following:

1. Obtain and provide ACAD badge numbers of TSC personnel to the Primary Access Control Station.

2 Maintain EPF 06-010-01, ACCOUNTABILITY LOG, OR use the bar code scanner to track all persons entering and exiting the TSC who are not assigned to an Emergency Response Team.

3. Ensure personnel entering and exiting the TSC close the airlock door. [Commitment Step 3.2.2]

4. WHEN informed that access is being denied to the main entrance of the TSC, THEN ensure the airlock door is closed and relocate to the designated entrance to maintain accountability.

7.11.4 Provide assistance to the Site Emergency Manager by performing the following:

1. Maintain a log book
2. Maintain the TSC Sequence of Events and Protective Action Recommendation Board
3. Answer the phone as needed
4. Complete EPF 06-002-03, SEQUENCE OF EVENTS

7.11.5 Provide faxing and copying support by performing the following:

1. Provide copies of EPF 06-007-01, WOLF CREEK GENERATING STATION EMERGENCY NOTIFICATION, to the TSC ENS Communicator and Onsite Public Information Coordinator.
2. Provide copies of Radiological and Operations Status Boards information to the Onsite Public Information Coordinator.
3. Ensure copies of all EPF 06-007-01, WOLF CREEK GENERATING STATION EMERGENCY NOTIFICATION, and EPF 06-002-03, SEQUENCE OF EVENTS, are provided to the EOF.

7.11.6 Provide Off-site communications by performing the following:

1. Contact the Control Room Off-site Communicator to verify the status of notifications.
2. Verify that all information has been completed on Notification forms prior to transmitting.
3. Perform Emergency Notifications in accordance with EPP 06-007, EMERGENCY NOTIFICATIONS.
4. Conduct calls for off-site support as directed by the TSC Administrative Coordinator.

a. Unless the call for off-site support is to obtain assistance for a life threatening situation, do not interrupt the Immediate Notifications. Such calls shall be made coincidentally with Immediate Notifications.

b. Calls for immediate off-site support take precedence over Follow-up Notifications.

7.12 TSC Team Director

7.12.1 Obtain and monitor radiological data that may affect the Emergency Response Team's ability to complete assigned activities.

7.12.2 Assume control of all teams dispatched from the Control Room except on-shift Nuclear Station Operators.

1. On-shift Nuclear Station Operators remain under Control Room control and are not assigned a team identifier.

7.12.3 Assign each Emergency Response Team with a team identifier.

7.12.4 Evaluate the need for Health Physics support for all teams dispatched to perform tasks.

7.12.5 Coordinate with the Maintenance Assistant to complete a brief for Emergency Response Teams on following:

1. Expected Radiation/Contamination levels and allowable does/stay times

2. Route(s) to and from work areas

3. Requirements for protective clothing, respiratory protection, and dosimetry

4. Required air monitoring and radiological controls needed during repair activities

5. Designate assembly location(s) for rescued personnel.

7.12.6 Inform the TSC Team Communicator of the formation of Emergency Response Teams.

7.12.7 Ensure the logging in and analysis of all incoming radiological samples.

7.12.8 Review and document dosimetry results of emergency response activities in accordance with EPP 06-013, EXPOSURE CONTROL AND PERSONNEL PROTECTION.

7.12.9 Discuss the decontamination of on-site personnel with the TSC Radiological Coordinator.

1. Perform decontamination in accordance with RPP 02-310, PERSONNEL DECONTAMINATION.

7.12.10 Collect all RPP forms associated with the decontamination activity.

7.13 TSC Team Communicators

7.13.1 Ensure that the radio is turned on and selected to the correct channel.

7.13.2 Establish and maintain communications with site Emergency Response Teams.

7.13.3 Verify team identification and membership when Emergency Response Teams establish radio communications.

7.13.4 Inform the teams of changes to plant status and emergency classifications.

7.13.5 Ensure all pertinent directions to the teams from the TSC Team Director are logged.

7.14 TSC ENS Communicator

7.14.1 Inform the TSC Operations Coordinator that ENS communications are ready to be established.

7.14.2 Establish and maintain continuous communications with the NRC via the Emergency Notification System (ENS) FTS 2000 telephone. IF the NRC determines that continuous communications or contact with all facilities is not necessary, THEN communications may be terminated as directed by the NRC.

1. Use of the ENS phone is in accordance with EPP 06-007, EMERGENCY NOTIFICATIONS.

7.14.3 Provide the following information to the NRC:

- Any further degradation in the level of safety of the plant or other worsening plant conditions
- The results of ensuing evaluations or assessments of plant conditions
- The effectiveness of response or protective measures taken

- o Any information related to plant behavior that is not understood

7.15 Engineering Team

7.15.1 The Engineering Team should monitor NPIS primary plant display for adverse trends.

7.15.2 The Engineering Team should assist with trouble-shooting and restoration of equipment.

7.15.3 The Engineering Team should monitor on-site and off-site electric distribution and sources.

7.15.4 The Engineering Team should assess plant status and the severity of the emergency conditions in accordance with EPP 06-016, ACCIDENT ASSESSMENT AND MITIGATION.

7.15.5 Nuclear Engineer should assess the degree of fuel damage in accordance with EPP 06-017, CORE DAMAGE ASSESSMENT METHODOLOGY.

1. Coordinate requests for a PASS sample with the TSC Radiological Coordinator.

7.16 Emergency Response Team

7.16.1 Sign your name and position on the Task Board.

7.16.2 Obtain Protective clothing and stage in bag for readiness.

7.16.3 Obtain most recent dose update and respirator qualifications.

7.16.4 Perform operability checks on equipment and instruments before leaving the TSC.

7.16.5 WHEN Chemistry Technicians perform chemical sampling and DEI determinations, THEN provide analysis results to the TSC Radiological Coordinator.

7.16.6 Immediately report major anomalies encountered in the plant to the TSC Team Communicator.

7.16.7 Upon return to the TSC, report any anomalies to the TSC Team Director.

7.16.8 Track Emergency Response Team exposure in accordance with EPP 06-013, EXPOSURE CONTROL AND PERSONNEL PROTECTION.

7.16.9 Team formation and control is in accordance with EPP 06-011, EMERGENCY RESPONSE TEAM FORMATION AND CONTROL.

7.17 Maintenance Assistant

7.17.1 Assign personnel to Emergency Response Teams for equipment repair, surveys, or search and rescue.

7.17.2 Coordinate with the TSC Team Director and brief Emergency Response Teams on team objectives.

1. Complete EPF 06-011-01, PLANT TEAM BRIEFING CHECKLIST.

7.17.3 IF the team has a search and rescue mission, THEN include the following information in the briefing:

- Number and last known location(s) of missing individual(s)
- Possible physical condition of missing individual(s)

7.17.4 Brief the Maintenance Coordinator on the status of Emergency Response Teams.

7.17.5 Consider the necessity of conducting additional briefings of teams dispatched to additional locations once the team has left the TSC.

7.17.6 Debrief Emergency Response Teams in accordance with EPP 06-011, EMERGENCY TEAM FORMATION AND CONTROL.

7.18 Maintenance Planner

7.18.1 Assist in the briefing of Emergency Response Teams and provide maintenance support as appropriate to the Maintenance Coordinator.

7.18.2 Develop repair plans for equipment repairs as directed.

7.19 Warehouse Support

7.19.1 Locate and secure parts and equipment from the warehouse as directed.

7.20 Security Coordinator

7.20.1 Ensure the safety of Security personnel is maintained by coordinating Security activities with activities of the TSC.

7.20.2 Provide coordination of activities including, but not limited to the following:

- o Emergency vehicle arrival
- o Search and rescue outside the PAB
- o Access to vital areas
- o EMT support
- o Activities concerning Security

8.0 INITIAL ACTIONS

8.1 None

9.0 SUBSEQUENT ACTIONS

9.1 None

10.0 RECORDS

10.1 Records generated by this procedure during an actual emergency are considered lifetime QA records and shall be forwarded to Emergency Planning at the termination of the emergency.

10.2 Records generated by this procedure during drills or exercises are considered non-QA records and shall be forwarded to Emergency Planning at the termination of the drill or exercise.

11.0 FORMS

11.1 EPF 06-002-01, EMERGENCY MANAGER TURNOVER SHEET

11.2 EPF 06-002-02, OPERATIONS STATUS

11.3 EPF 06-002-03, SEQUENCE OF EVENTS

- END -

ATTACHMENT A
(Page 1 of 2)
HEPA FILTRATION AND IODINE MONITORING OPERATIONS

NOTES

- **The HEPA filtration startup panels are located in the northwest corner of the TSC Equipment Room.**
- **The air handling heater switch is located on top of the HEPA unit directly in front of the Iodine Monitoring Control Panel.**

A.1 HEPA FILTRATION STARTUP INSTRUCTIONS

A.1.1 On Panel PB-1, Toggle the FILTER/NORMAL switch to FILTER.

1. Verify dampers D-1 and D-2 closed status lights indicate CLOSED.
2. Verify damper D-3 open status light indicates OPEN.
3. IF dampers D-1 and D-2 fail to close or D-3 fails to open, THEN use manual damper controls located in the ductwork to position the dampers. Damper D-1 is located in Janitor Supply Room. Dampers D-2 and D-3 are located in the TSC Equipment Room in the overhead above the Iodine Monitor.

A.1.2 On Disconnect Box next to Panel PB-1, turn HEPA filtration FAN SWITCH to HAND position to start fan.

A.1.3 Turn air handling heater to ON.

A.2 IODINE MONITORING STARTUP INSTRUCTIONS

A.2.1 Ensure "PWR ON" indicator is lit.

A.2.2 Push green OPERATE button to reset alarm functions.

A.2.3 Close Purge valve.

A.2.4 Verify inlet valve is throttled open.

A.2.5 Press and hold START button.

1. Verify green "ON" light comes on.
2. IF vacuum is not between 3" and 10" Hg on the vacuum gauge, THEN adjust the inlet valve to obtain between 3" to 10" Hg on the vacuum gauge.

ATTACHMENT A
(Page 2 of 2)
HEPA FILTRATION AND IODINE MONITORING OPERATIONS

3. WHEN vacuum is between 3" to 10" Hg on the gauge, THEN release the "START" button.

A.2.6 Verify LIMIT light is extinguished.

A.2.7 Verify air flow is between 1.8 and 2.2 cfm.

A.3 HEPA FILTRATION SHUTDOWN INSTRUCTIONS

A.3.1 Turn air handling heater to OFF.

A.3.2 On Disconnect Box next to Panel PB-1, turn HEPA filtration FAN SWITCH to OFF position to secure fan.

A.3.3 On Panel PB-1, Toggle the FILTER/NORMAL switch to NORMAL.

1. Verify dampers D-1 and D-2 status lights indicate OPEN.

2. Verify damper D-3 status light indicates CLOSED.

3. IF damper D-1 fails to open, THEN ensure exhaust fan EXF-1 located in Janitor Supply Room is running.

4. IF damper D-2 fails to open or damper D-3 fails to close, THEN use manual damper controls located in the ductwork to position the dampers. Dampers D-2 and D-3 are located in the TSC Equipment Room in the overhead above the Iodine Monitor.

A.4 IODINE MONITORING SHUTDOWN INSTRUCTIONS

A.4.1 Secure the monitor by pushing and releasing the STOP button.

A.4.2 Turn Power Switch to OFF.

- END -

ATTACHMENT B
(Page 1 of 1)
OSC RELOCATION SUPPLIES AND EQUIPMENT

B.1 Air Samplers, Friskers, and Survey Meters for Portable Survey Instruments

B.2 TLDs, SRD (PICs), Issue Logs, and Dosimeter Chargers for Personnel Dosimetry

B.3 Emergency Procedures/Forms

B.4 Protective Clothing and Tape

B.5 Decontamination Kit

B.6 First Aid and Medical Response Kits

B.7 Communication Equipment

B.8 Step Off Pads, Radiation Signal Ropes and Signs for Radiation Control Area Supplies

B.9 SCBA and Full Face (spare cartridges) Respiratory Protection

B.10 Zeolite Cartridges, Smears, and A/S Filters for Health Physics Survey Supplies

B.11 KI Tablets

B.12 Office Supplies, Flashlights, and Batteries

- END -

ATTACHMENT C
(Page 1 of 3)
TSC DIESEL OPERATIONS

C.1 IF the normal power supply to the TSC is not available, THEN ensure the TSC diesel generator is started as follows:

C.1.1 Ensure EMERG GENERATOR INTAKE DAMPER D6 is OPEN OR that the damper actuator arm is loosened allow the damper to fall open.

NOTE

To prevent permanent cranking motor damage, do not crank the diesel for more than thirty seconds continuously. If the diesel does not start within the first thirty seconds, wait one to two minutes before re-cranking.

C.1.2 At the Diesel Control Panel, start the diesel generator by placing the MANUAL START toggle switch to the PERMISSIVE START position.

1. Verify the following parameters:

   - o Oil Pressure 50 psig to 70 psig
   - o Voltage 450 to 500 volts (all phases)
   - o Speed 1790 to 1810 rpm

C.1.3 At the Main Distribution Panel, place breakers for circuits 1 through 14 OFF.

C.1.4 At the MANUAL TRANSFER SWITCH, place the MAIN breaker to OFF.

C.1.5 At the MANUAL TRANSFER SWITCH, place the D/GEN breaker to ON.

ATTACHMENT C
(Page 2 of 3)
TSC DIESEL OPERATIONS

NOTES

- **Allow several seconds for generator load to stabilize before placing the next breaker to the ON position.**
- **Machine voltage may be adjusted as necessary by use of rheostat adjacent to the diesel generator field breaker located on the D/G.**
- **Diesel generator coolant temperature should be greater than or equal to 120 F prior to loading the diesel generator.**

C.1.6 At the Main Distribution Panel, place breakers 1 through 14 to ON.

C.1.7 WHEN the diesel is operating under load, THEN the following parameters should be maintained.

- o Oil Pressure 50 psig to 70 psig
- o Voltage 450 to 500 volts (all phases)
- o Speed 1790 to 1810 rpm

C.2 IF the TSC Diesel Generator is no longer needed, THEN shutdown the diesel generator as follows:

C.2.1 At the Main Distribution Panel, place breakers for circuits 1 through 14 OFF.

C.2.2 At the MANUAL TRANSFER SWITCH, place the D/GEN breaker to OFF.

C.2.3 At the MANUAL TRANSFER SWITCH, place the MAIN breaker to ON.

C.2.4 At the Main Distribution Panel, place breakers for circuits 1 through 14 to ON.

ATTACHMENT C
(Page 3 of 3)
TSC DIESEL OPERATIONS

NOTE

The Diesel should be allowed to run unloaded for 3 to 5 minutes to cool down.

C.2.5 At the Diesel Control Panel, stop the diesel by placing the MANUAL START toggle switch to OFF.

C.2.6 Ensure the EMERG. GENERATOR INTAKE DAMPER D6 is closed.

C.2.7 Notify the Control Room to perform STN KAT-001, TECHNICAL SUPPORT CENTER DIESEL GENERATOR OPERATION, to ensure the diesel is ready for operation.

- END -

ATTACHMENT D
(Page 1 of 1)
EMERGENCY RESPONSE DATA SYSTEM (ERDS) OPERATIONS

D.1 ERDS Activation

D.1.1 In the TSC computer room, perform one of the following using the NPIS Computer:

- o Select the E-Plan Menu, then touch the ERDS block on the screen

OR

- o Type the Turn-On code "ERDS" and press the "Return/Enter" key

D.1.2 Follow the prompts until the ERDS is activated.

D.1.3 Notify the TSC Operations Coordinator that ERDS is activated.

D.2 ERDS Deactivation

D.2.1 IF directed by the NRC to deactivate ERDS, THEN press "F3" key and follow the prompts.

- END -

ATTACHMENT E
(Page 1 of 1)
POSITIONS REQUIRED FOR AUGMENTATION

E.1 Augmentation

E.1.1 The following 25 positions are required to be filled within 60 minutes of the determination that augmentation is needed:

1 Radiological Coordinator

1 Chemistry Technician

1 Reactor Engineer

1 Electrical Engineer

1 Mechanical Engineer

1 I&C Technician

2 Mechanical Maintenance

2 Electrical Maintenance

3 Communicators (Any combination from Administrative Assistant, ENS, or HPN positions to make three)

4 Off-site Health Physics Technicians

8 On-site Health Physics Technicians

E.1.2 The following 5 positions are required to be filled within 90 minutes of the determination that augmentation is needed:

1 Off-site Emergency Manager

1 Operations Coordinator

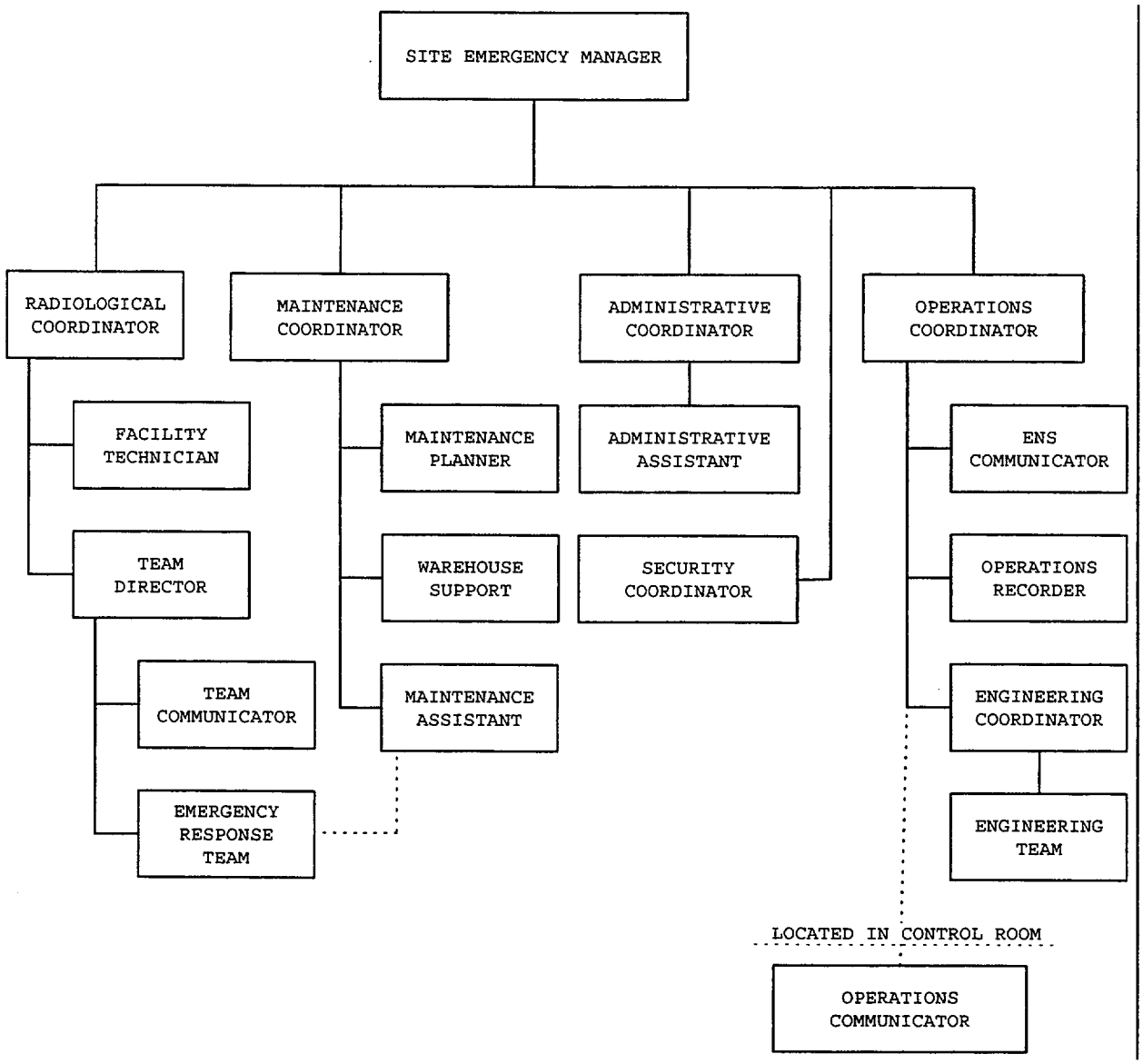
1 Radiological Coordinator

1 Administrative Coordinator

1 Facility Technician

- END -

FIGURE 1
TSC ORGANIZATION



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01/12/2000

WOLF CREEK
NUCLEAR OPERATING CORPORATION

EPP 06-005

EMERGENCY CLASSIFICATION

Responsible Manager

Manager Resource Protection

Revision Number	1
Use Category	Reference
Administrative Controls Procedure	No
Infrequently Performed Procedure	No
Program Number	06

DC2 03/31/99

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides guidance to evaluate plant conditions during an actual or potential emergency situation, assess the Emergency Action Level (EAL) exceeded and classify the emergency according to its severity.

2.0 SCOPE

2.1 This procedure applies to the Shift Manager, Site Emergency Manager, and Off-site Emergency Manager. This procedure shall be implemented immediately upon recognition of an emergency or off-normal condition.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 Code Of Federal Regulation, 10CFR50.72, Immediate Notification Requirements For Operating Nuclear Power Reactors

3.1.2 NUREG-1136, Technical Specifications For Wolf Creek Unit 1, Docket No. 50-482,

3.1.3 Regulatory Guide 1.101, Emergency Planning And Preparedness For Nuclear Power Reactors.

3.1.4 PIR 92-0731, Evaluation of Annunciator System Relative to Callaway Loss of Anunciators

3.1.5 AP 06-002, RADIOLOGICAL EMERGENCY RESPONSE PLAN (RERP)

3.2 Commitments

3.2.1 None

4.0 DEFINITIONS

4.1. Alert

4.1.1 Events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant. Any releases are expected to be limited to small fractions of the Environmental Protection Agency (EPA) Protective Action Guideline (PAG) exposure levels.

4.2 Emergency Action Levels (EALs)

4.2.1 Plant or radiological parameters which are the basis for classifying the severity of the emergency. These specific parameters denote, beneath thirteen emergency event categories, the emergency classification.

4.3 Emergency Classification

4.3.1 A system used to define the severity of emergencies into one of four categories based upon projected or confirmed emergency action levels. Classifications listed in order of increasing severity are as follows:

- o Notification of Unusual Event
- o Alert
- o Site Area Emergency
- o General Emergency

4.4 Emergency Conditions

4.4.1 Situations occurring which cause or may threaten to cause radiological hazards affecting the health and safety of employees or the public, or which may result in damage to property.

4.5 Exclusion Area

4.5.1 That area surrounding the Containment Building to a distance of 1200 meters.

4.6 General Emergency

4.6.1 Events are in process or have occurred which involve actual or imminent substantial core degradation or melting with the potential for loss of containment integrity or the potential loss of reactor coolant system integrity. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels offsite for more than the immediate site area.

4.7 Imminent

4.7.1 An event that will or may occur in the near future.

4.8 Notification of Unusual Event

4.8.1 Unusual events are in process or have occurred which indicate a potential degradation of the level of safety of the plant. No releases of radioactive material requiring offsite response or monitoring are expected unless further degradation of safety systems occurs.

4.9 Protected Area

4.9.1 That area around the plant to which access is gained by passing through Security. It also includes the ESW Pumphouse and Access Vaults to ESW Piping.

4.10 Site Area Emergency

4.10.1 Events are in process or have occurred which involve actual or likely major failures of plant functions needed for protection of the public. Any releases are not expected to result in exposure levels which exceed EPA Protective Action Guideline exposure levels except near the site boundary.

4.11 Structural Framing Integrity

4.11.1 A structure will have framing integrity when its main support features (I-Beams, Floors, Concrete Pedestals) are substantially intact.

5.0 RESPONSIBILITIES

5.1 Emergency Manager

5.1.1 Ensures the accurate and timely classification of emergency conditions.

6.0 PRECAUTIONS/LIMITATIONS

6.1 NRC and Kansas Division of Emergency Management concurrence shall be obtained prior to downgrading or entering Recovery Operations if a General Emergency has been declared.

6.2 In all cases the decision to declare, upgrade, or proceed to recovery or termination of an emergency rests with the Emergency Manager. The EALs are provided as guidance to assist the Emergency Manager in making that decision. In many cases a very general statement has been used in a block of the EALs. This was done intentionally to allow the Emergency Manager flexibility to assess any undefinable parameters which may exist at the time.

6.3 Plant-specific operator actions required to mitigate the emergency condition are prescribed in the appropriate Emergency Procedures (EMG), Off-Normal Procedures (OFN), or Severe Accident Monitoring Guidelines (SAMG) and are independent of any actions required by this procedure.

6.4 Consider the effect that combinations of initiating events have upon the emergency classification. Events, if taken individually, may constitute a lower emergency classification. However, collectively they may warrant a higher emergency classification.

7.0 PROCEDURE

7.1 Diagnosing And Classifying An Event

CAUTION

Outage/shutdown conditions should be given special consideration as they are likely to create abnormalities such as the loss of RCS pressure boundary (refueling, mid-loop operations, equipment hatch open, etc.). This type of boundary violation combined with a plant transient (loss of AC power, etc.) may create a worse situation than would be expected if the Unit was in power operations.

7.1.1 Upon recognition that an abnormal or emergency condition exists, the Shift Manager shall be immediately notified.

7.1.2 Plant parameters and instrument readings or any other symptoms which would be indicative of further systems degradation shall be monitored.

7.1.3 The appropriate EMGs and OFNs shall be referenced and any actions called for, based upon the indicated symptoms, shall be taken.

7.1.4 The EALs shall be used to determine whether or not the event fits the general description for any of the initiating conditions listed.

1. The EAL resulting in the highest classification shall be used to classify the event.

2. IF the event fits more than one EAL and results in an identical emergency classification, THEN the classification shall be made using the first EAL encountered.

3. Step numbers of the EAL used to classify the event shall be entered on EPF 06-007-01, WOLF CREEK GENERATING STATION EMERGENCY NOTIFICATION, to show the path used to make the classification.

7.1.5 IF the event does not fit any of the EAL general descriptions, THEN the implications of the event should be evaluated and the emergency condition classified, if appropriate, based upon professional judgment. If no classification is warranted, no further action is required except to continue monitoring the event.

7.1.6 IF the event fits any of the emergency classifications listed in the EALs, THEN declare the appropriate emergency classification and implement the Emergency Plan Implementing Procedures (EPPs).

7.1.7 In situations where conditions exist which meet an EAL but then terminate without adverse consequences before an emergency is actually declared, 10CFR50.72 one hour reporting criteria applies.

1. The County and State shall be notified of EAL events that terminate prior to actual emergency classification. A Shift Manager log entry containing time of notification is sufficient documentation.

7.2 Use of Emergency Action Level

7.2.1 Each Emergency Action Level shall be referenced during event diagnosis. The EALs are listed in order of priority starting with EAL-1 and ending with EAL-13.

CAUTION

Many EALs have blocks that contain multiple initiating conditions separated by "OR" and blocks that combine initiating conditions into two distinct sets "OR" plus "OR" - "AND".

7.2.2 Start in the upper left corner of the EAL to be used. Read the text in the box and determine if the statement is a YES or NO answer.

7.2.3 Follow the arrows for YES or NO statements to the next appropriate box until a determination is made.

7.2.4 For purposes of the EALs, "site" is considered the Exclusion Area Boundary and "plant" is considered the Protected Area.

7.2.5 The designator at the upper left-hand corner of each box is the reference to the bases for that box. The bases for each EAL are on pages following the EAL. The bases gives the reasoning for the box and should be referenced if any clarification is needed.

7.2.6 The EALs should be reviewed every 15 to 25 minutes during a declared emergency.

7.2.7 A limited distribution of color-coded copies is maintained for the EAL charts. This color-coding is similar to that used in the EMGs.

7.3 Event Upgrade

7.3.1 Plant parameters shall be monitored for changing conditions which could affect the emergency classification.

7.3.2 IF a change in conditions is identified, THEN the EALs shall be used to determine if the event should be re-classified.

7.3.3 IF the event has been re-classified, THEN perform notifications in accordance with EPP 06-007, EMERGENCY NOTIFICATIONS.

7.4 Event Recovery/Termination

7.4.1 IF a General Emergency has been declared, THEN obtain NRC, Kansas Division Of Emergency Management, and Off-site Emergency Manager concurrence prior to downgrading or entering Recovery Operations.

7.4.2 WHEN conditions have stabilized or improved, THEN downgrade, terminate or enter Recovery Operations.

7.4.3 WHEN terminating or downgrading from an emergency, THEN complete the necessary items on EPF 06-007-01, WOLF CREEK GENERATING STATION EMERGENCY NOTIFICATION.

7.4.4 IF Recovery Operations are desired, THEN implement Recovery Operations in accordance with EPP 06-008, RECOVERY OPERATIONS.

8.0 INITIAL ACTIONS

8.1 None

9.0 SUBSEQUENT ACTIONS

9.1 None

10.0 RECORDS

10.1 None

11.0 FORMS

11.1 None

- END -

CC
01/12/2000

WOLF CREEK
NUCLEAR OPERATING CORPORATION

EPP 06-007

EMERGENCY NOTIFICATIONS

Responsible Manager

Manager Resource Protection

Revision Number	2
Use Category	Reference
Administrative Controls Procedure	No
Infrequently Performed Procedure	No
Program Number	06

DC2 11/05/99

1.0 PURPOSE

1.1 This procedure provides guidance for conducting notifications to Federal, State of Kansas (State) and Coffey County (County) authorities in the event of a declared emergency condition at Wolf Creek Generating Station (WCGS).

2.0 SCOPE

2.1 This procedure is applicable to Emergency Response Organization (ERO) personnel responsible for the supervision and performance of Immediate and Follow-up Notifications in the Control Room, the Technical Support Center (TSC) and the Emergency Operation Facility (EOF).

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 RADIOLOGICAL EMERGENCY RESPONSE PLAN (RERP)

3.2 Commitments

3.2.1 RCMS 95-091, Added comment section to Follow-up Notification form to allow space for explaining dose assessment information to prevent confusion regarding posted information.

4.0 DEFINITIONS

4.1 Code Word

4.1.1 An identifier used during emergency telephone notifications to authenticate communications between WCGS, the County, and the State.

4.2 Emergency Classification

4.2.1 A system used to define the severity of emergencies into one of four categories based upon Emergency Action Levels. Classifications listed in order of increasing severity are as follows:

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

4.3 Records

4.3.1 Documents such as calculation worksheets, computer printouts, forms, logs, memos, checklists, or any paper used to record data or information during an emergency, drill or exercise which may be used for event reconstruction.

5.0 RESPONSIBILITIES

5.1 Site Emergency Manager

5.1.1 For approving and ensuring notifications are made as described in this procedure from the time the TSC is activated until the EOF is activated.

5.2 Off-site Emergency Manager

5.2.1 For approving and ensuring notifications are made as described in this procedure after the EOF is activated.

5.3 Emergency Notification System (ENS) Communicator

5.3.1 For establishing and maintaining continuous communications with the Nuclear Regulatory Commission (NRC) to provide plant related information.

5.4 Health Physics Network (HPN) Communicator

5.4.1 For establishing and maintaining continuous communications with the NRC to provide radiological and dose assessment information.

5.5 Off-site Communicator

5.5.1 For performing notifications to off-site agencies using EPF 06-007-01, WOLF CREEK GENERATING STATION EMERGENCY NOTIFICATION.

5.6 Shift Manager

5.6.1 For approving and ensuring notifications are made as described in this procedure, when an emergency has been classified prior to TSC activation.

6.0 PRECAUTIONS/LIMITATIONS

6.1 Coffey County and Kansas Division Of Emergency Management will be notified within fifteen minutes following an emergency classification, a change in emergency classification, issuing or changing protective action recommendations, entering Recovery or terminating the emergency.

6.2 The NRC Resident Inspector will be notified as soon possible after contacting the County and the State.

6.3 Topeka System Dispatch will be notified of each emergency classification or a change in the classification as soon as practical.

6.4 American Nuclear Insurers (ANI) and Institute of Nuclear Power Operations (INPO) will be notified of an Alert or higher emergency classification or a change in the classification as soon as practical.

6.5 The NRC Operations Center will be notified as soon as possible and no later than one hour following an emergency classification.

6.6 For emergency conditions which require immediate off-site assistance such as an ambulance or fire fighting support, the request for assistance and the notification process should occur at the same time.

6.7 EPF 06-007-01, WOLF CREEK GENERATING STATION EMERGENCY NOTIFICATION, is approved by one of the following ERO personnel, prior to performing the notification:

- Shift Manager prior to TSC activation
- Site Emergency Manager after TSC activation but prior to EOF activation
- Off-site Emergency Manager after EOF activation

7.0 PROCEDURE

7.1 Emergency Notifications

7.1.1 An Immediate Notification is made for each emergency classification, a change in emergency classification, issuance or change of protective action recommendations, entry into recovery, or termination of an emergency.

7.1.2 A Follow-up Notification is made to update the County and State on the status of an emergency situation.

1. Follow-up notifications should be made every hour, or at intervals agreed upon with the County and State depending on the sequence and pace of events, until such time that the plant has been placed in a safe, stable condition.

7.1.3 Notification forms are completed, approved, and issued from the facility responsible for the emergency at the time of the notification.

1. WHEN responsibility for the emergency transfers to the next activated facility, THEN forward copies of all completed, issued notification forms to that facility.

7.1.4 Message numbers for EPF 06-007-01, WOLF CREEK GENERATING STATION EMERGENCY NOTIFICATION, are created by using the two or three letters indicating the originating location in the first part, followed by sequential numbers of three digits starting with 001 in the second part. The following is an example of the numbering:

- Control Room would start with CR-001.
- Technical Support Center would start with TSC-001
- Emergency Operations Facility would start with EOF-001.

7.1.5 Make Immediate Notifications to off-site authorities as follows:

1. Coffey County and Kansas Division Of Emergency Management within fifteen minutes of a classification
2. Nuclear Regulatory Commission (NRC) Resident Inspector as soon after contacting the County and the State as possible

3. Topeka System Dispatch of each emergency classification or a change in the classification as soon as practical

4. American Nuclear Insurers (ANI) of an Alert or higher emergency classification or a change in the classification as soon as practical

5. Institute of Nuclear Power Operations (INPO) of an Alert or higher emergency classification or a change in the classification as soon as practical

6. NRC Operations Center as soon as possible and no later than one hour following an emergency classification

7.1.6 Notifications will be made by use of phones. IF phone contact can not be made, THEN use the backup radios.

7.1.7 The verification phone in the Control Room and TSC should be disconnected after each subsequently activated facility has assumed notification responsibilities.

7.2 Notification Form Completion

NOTE

Data that is Not Applicable at the time the form is being completed should be marked N/A.

7.2.1 Notification forms should be completed as follows:

1. Ensure the message number is listed at the top of the form.

2. Check the Status box for the appropriate notification.

3. List the Code Word to be used for County and State telephone notifications.

   a. The code word is obtained from the Off-site Communicator's manual.

4. Check the Type box for the appropriate notification and complete the steps as indicated after the selected type of notification.

5. List the time and date of the emergency classification.

6. Check the Emergency Classification box for the appropriate classification.

7. Check the Reason For Classification box for the appropriate EAL used and list the flow path used to make the classification.

8. List the meteorological data.

9. Check the Radiological Release Status boxes for the appropriate release status.

10. Circle the Protective Action Recommendation for each subzone to indicate the PAR recommended OR check the N/A box if not applicable.

11. Check the Current Plant Condition box as appropriate and list the time the reactor tripped.

    a. IF reactor is not tripped, THEN mark time reactor tripped N/A.

12. Complete Field Team Data if available. IF data is not available, THEN check the Not Available box.

13. List the Release Rate data as indicated.

14. Check the appropriate box for the method used to determine Centerline dose projection and list the centerline dose in the table.

15. Place information as needed in the comment section which would help explain information listed on the form.

16. Have the position responsible for the emergency sign approval of the completed form.

7.3 Performing Notifications

7.3.1 The facility responsible for the emergency performs notifications using the information listed on EPF 06-007-01, WOLF CREEK GENERATING STATION EMERGENCY NOTIFICATION.

7.3.2 Contact should be made with each agency by using the information at the bottom of the notification form. IF contact can not be established with the primary contact, THEN use the next alternate contact for the notification.

1. IF contact for a Follow-up Notification has not been established within four to six minutes from the initial attempt, THEN use the appropriate dedicated radio to request a call-back on the verification call-back line, in accordance with Attachment A, RADIO CONSOLE OPERATIONS - STATE NOTIFICATION, and ATTACHMENT B, RADIO CONSOLE OPERATIONS - COUNTY NOTIFICATION.

7.3.3 The time and person contacted at each agency should be logged at the start of the notification.

7.3.4 A Code Word is used for County and State Notifications only. IF the Code Word at the County or State is not the same as the one in the Control Room, THEN request the County or State to callback on the Verification Line.

1. The code word is to be used for telephone notifications between the WCGS ERO, Coffey County and the State. The code word is placed in an envelope and placed in the two Off-site Communicator's Manuals in the Control Room, in the Coffey County Communications Centers and in the State Communications Centers. The same code word will be used throughout the emergency and will be replaced during recovery operations.

2. For the initial telephone contact with Coffey County and the State, the code word shall be provided to them at the beginning of the notification. The County and the State will verify that the Control Room code word corresponds to the County/State code word. The notification process will proceed as specified after this confirmation.

3. All subsequent telephone contacts with Coffey County and the State will use the code word at the beginning of the contact.

4. The code word will be passed on to the TSC and EOF Off-site Communicators for their use in telephone conversations with Coffey County and the State. The code word will still be passed on to the TSC and EOF Communicators even if initial County and/or State contact was made via radio and the code word was not needed.

7.3.5 For Immediate Notifications, information in steps one through eight and step 13 should be read to the contacted agency.

7.3.6 For Follow-up Notifications, all steps should be read to the contacted agency.

7.4 ENS Communications

7.4.1 Establish continuous communications with the NRC Operations Center in the Control Room and TSC. IF the NRC determines that continuous communication or contact with all facilities is not necessary, THEN communications may be terminated as directed by the NRC.

1. The position responsible for the emergency should be cognizant of the establishment of ENS communications.

7.5 HPN Communications

NOTE

HPN communications are established at the request of the NRC following facility activation.

7.5.1 Continuous HPN communication with the NRC Operations Center is established when requested by the NRC. IF the NRC determines that continuous communication or contact with all facilities is not necessary, THEN communications may be terminated as directed by the NRC.

1. The position responsible for the emergency should be cognizant of the establishment of HPN communications.

7.5.2 Establish communications with the NRC via the FTS 2000 HPN telephone.

7.6 FTS 2000 Network Instructions

7.6.1 The FTS 2000 Network utilizes dial tone for one of the FTS 2000 Network Service Nodes located throughout the United States. To place a call over the FTS 2000 Network, perform the following:

1. Lift the receiver on the telephone instrument and listen for dial tone:

NOTE

No access codes need to be dialed. Only dial the appropriate 10 digit telephone number.

2. After receiving dial tone, dial the first number listed on the sticker located on the telephone instrument using all 10 digits. If the first number is busy, proceed on with the second, etc.

7.6.2 IF the FTS 2000 system is inoperable, THEN the notification may be made via commercial telephone or any other method to ensure that a report is made as soon as practical to the NRC Operations Center.

1. IF contact is made by commercial telephone, THEN dial the same numbers used for FTS 2000 system.

7.6.3 The FTS 2000 ENS phones in the TSC are an extension of the FTS 2000 ENS phones in the Control Room. IF communications have already been established by the Control Room, THEN the TSC ENS Communicator needs only to pick up the handset to participate.

7.6.4 The FTS 2000 phones in the EOF are on separate lines from the FTS 2000 phones in the Control Room and TSC. Communicators in the EOF desiring to participate in communications already established by the TSC or Control Room must contact the NRC Operations Center.

1. The NRC will bridge all ENS or HPN parties together as each facility is activated.

8.0 INITIAL ACTIONS

8.1 None

9.0 SUBSEQUENT ACTIONS

9.1 None

10.0 RECORDS

10.1 The following records generated during an actual emergency are considered QA records and are forwarded to Emergency Planning at the termination of the emergency:

10.1.1 EPF 06-007-01, WOLF CREEK GENERATING STATION EMERGENCY NOTIFICATION

10.2 The following records generated during drills and exercises are considered non-QA records and are forwarded to Emergency Planning at the termination of the drill or exercise:

10.2.1 EPF 06-007-01, WOLF CREEK GENERATING STATION EMERGENCY NOTIFICATION

11.0 FORMS

11.1 EPF 06-007-01, WOLF CREEK GENERATING STATION EMERGENCY NOTIFICATION

ATTACHMENT A
(Page 1 of 1)
RADIO CONSOLE OPERATIONS - STATE NOTIFICATION

A.1 Notify the State by radio as follows:

A.1.1 Verify radio is plugged in and turned ON.

A.1.2 Turn the volume control on the radio to a comfortable level.

A.1.3 Enter the Code "12" into the pager encoder by depressing the appropriate buttons on the keypad.

A.1.4 Depress the "P" Button on the keypad to activate the Paging Encoder, and then push the "T" Button while the paging lamp is lit.

A.1.5 Listen to the frequency to make sure it is CLEAR.

- END -

ATTACHMENT B
(Page 1 of 1)
RADIO CONSOLE OPERATIONS - COUNTY NOTIFICATION

B.1 County Notification From Control Room

B.1.1 Select Channel 1 on the radio console.

B.1.2 Mute Channels 2 and 3, (monitor Channel 4)

B.1.3 514 is the code to use on the radio encoder. WHEN using the encoder, on the Control Room radio, push the number 5 and hold to the count of 2, THEN quickly push the numbers 1 and 4.

B.1.4 Wait for the "call" and "busy" lights to go out, then transmit your message using the handset on the radio console.

B.1.5 When finished restore Channels 2 and 3 by pressing the "mute" key.

B.1.6 Select Channel 4 (returning all radio functions to normal status for Operations use).

B.2 County Notification From TSC Or EOF (Single Channel Radios)

B.2.1 Verify radio is plugged in and turned ON.

B.2.2 Turn the volume control on the radio to a comfortable level.

B.2.3 On the keypad, depress the 5 and hold until the ready light illuminates, then depress the 1 and 4.

B.2.4 Depress the button on the headset/receiver to transmit, release to receive.

- END -

CC
01/12/2000

WOLF CREEK
NUCLEAR OPERATING CORPORATION

EPP 06-008

RE-ENTRY, RECOVERY AND TERMINATION OPERATIONS

Responsible Manager

Superintendent Emergency Planning

Revision Number	0
Use Category	Reference
Administrative Controls Procedure	No
Infrequently Performed Procedure	No
Program Number	06

DC22 01/05/1999

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides guidance for Wolf Creek Generating Station (WCGS) personnel during the re-entry/recovery phase after an emergency response activity at WCGS, including the transition from Emergency Response to Recovery Operations.

2.0 SCOPE

2.1 This procedure applies to the WCGS Emergency Response Organization for those reentry and recovery activities required to restore from an emergency.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 10 CFR Part 20

3.1.2 RADIOLOGICAL EMERGENCY RESPONSE PLAN (RERP)

3.1.3 EPP 06-011, EMERGENCY TEAM FORMATION AND CONTROL

3.1.4 EPP 06-002, TECHNICAL SUPPORT CENTER OPERATIONS

3.1.5 EPP 06-003, EMERGENCY OPERATIONS FACILITY OPERATIONS

3.1.6 EPP 06-007, EMERGENCY NOTIFICATIONS

3.2 Commitments

3.2.1 None

4.0 DEFINITIONS

4.1 Records

4.1.1 Documents such as calculation worksheets, computer printouts, forms, logs, memos, checklists, or any paper used to record data or information during an emergency, drill or exercise which may be used for event reconstruction.

4.2 Recovery

4.2.1 Post-emergency efforts initiated to restore WCGS to full operation or place the plant in a safe shutdown condition until full operation can be resumed.

4.3 Reentry

4.3.1 Allowing access of essential persons inside an evacuated area. Access is gained through Access Control Points where dosimetry will be issued to these persons.

4.4 Relocation

4.4.1 The evacuation of a population due to ground deposition readings which require evacuation.

4.5 Return

4.5.1 Allowing an evacuated population to return to their homes when it is verified that it is safe.

4.6 Restricted Zone

4.6.1 Any area which is to have controlled access and from which the population either has already been evacuated or will be relocated.

5.0 RESPONSIBILITIES

5.1 Off-site Emergency Manager

5.1.1 Authorize and assume overall responsibility for an Alert or higher emergency recovery operations.

5.1.2 Provide direction and control of the recovery operations.

5.2 Site Emergency Manager

5.2.1 Coordinate on-site activities for recovery operations from an Alert or higher emergency.

5.3 Administrative Coordinators

5.3.1 Provide administrative support as needed to support recovery operations.

5.4 Radiological Coordinators

5.4.1 Provide direction for radiological conditions encountered during recovery operations both on-site and off-site.

5.5 Shift Manager

5.5.1 Coordinate activities for recovery operations from a Notification Of Unusual Event emergency.

6.0 PRECAUTIONS/LIMITATIONS

6.1 IF an Alert or Site Area Emergency has been declared, THEN the Off-site Emergency Manager shall discuss with the Kansas Division of Emergency Management, the Chairman of the Coffey County Commissioners, and the NRC prior to downgrading the event or entering Recovery Operations. Concurrence is not required.

6.2 IF a General Emergency has been reached, THEN NRC and Kansas Division of Emergency Management concurrence shall be obtained prior to downgrading the event or entering Recovery Operations.

6.3 Checklists shall be reviewed periodically to ensure that appropriate updates and calculations are performed.

6.4 A record of pertinent recovery activities and communications shall be maintained for recovery operations. Completed sheets shall be maintained at the work station to ensure the continuity of operation during the turnover of personnel.

7.0 PROCEDURE

7.1 Re-entry Operations

7.1.1 Off-site re-entry will be controlled by the Emergency Operations Facility (EOF) and on-site re-entry will be controlled by the Technical Support Center (TSC).

7.1.2 The Radiological Coordinator will assume responsibility for coordinating and directing the activities of teams performing re-entry.

7.1.3 Teams performing re-entry should follow the guidance supplied in EPP 06-011, EMERGENCY TEAM FORMATION AND CONTROL.

7.1.4 The re-entry activity and results shall be reviewed by the Radiological Coordinator, and reported to the Emergency Manager when these activities are completed.

7.2 Transition To Recovery

7.2.1 Transition to the recovery operations should be based on the following conditions:

1. Fission product barriers have been restored by mitigating actions, or status of the barriers is sufficiently well defined to allow informed decisions regarding possible hazards to personnel upon entry.

2. In-plant radiation levels are stable or decreasing with time.

3. Releases of radioactive materials to the environment have ceased or have been controlled within permissible limits.

4. Fire, flooding, or other similar emergency conditions no longer constitute a hazard to the plant or to plant personnel.

5. Reactor heat removal means are functional.

7.2.2 Off-site recovery will be controlled by the Emergency Operations Facility (EOF) and on-site recovery will be controlled by the Technical Support Center (TSC).

7.2.3 Recovery operations shall be conducted in compliance with normal operational exposure levels or as specified in 10 CFR Part 20.

7.2.4 Desired positions for recovery operations are shown in Figure 1, WCGS RECOVERY ORGANIZATION. Positions may be added or de-activated as needed depending on the status of recovery operations.

7.2.5 Emergency Response Organization positions continue their previous functional assignments until their position is deactivated and records are transferred.

7.3 Emergency Downgrade Or Termination

7.3.1 IF downgrading or terminating from a General Emergency, THEN obtain concurrence from the NRC and Kansas Division of Emergency Management prior to downgrading or terminating.

7.3.2 IF downgrading or terminating from an Alert or Site Area Emergency, THEN discuss with the Kansas Division of Emergency Management, the Chairman of the Coffey County Commissioners, and the NRC prior to downgrading or terminating.

7.3.3 IF conditions no longer dictate a Notification of Unusual Event classification, THEN discuss termination with Operations Management prior to terminating.

7.3.4 Complete the notification form and make notifications for the change in classification.

7.3.5 Notify off-site authorities and make a plant-wide announcement concerning this decision.

7.4 Off-site Emergency Manager

7.4.1 Determine whether to initiate recovery/reentry operations.

7.4.2 Obtain concurrence of the NRC and the Kansas Division of Emergency Management prior to downgrading the event from a General Emergency or establishing Recovery Operations.

7.4.3 Discuss with the Kansas Division of Emergency Management, the Chairman of the Coffey County Commissioners and the NRC when downgrading the event from Alert or Site Area Emergency.

7.4.4 Provide direction and control of recovery operations.

7.4.5 Authorize funds and the utilization of manpower and equipment for recovery operation.

7.4.6 Provide periodic updates to the off-site authorities concerning the recovery operations especially if there is any potential for off-site effects.

7.4.7 Authorize funds and the utilization of manpower and equipment necessary to accomplish the recovery operation.

7.4.8 Notify off-site authorities that a recovery operation has been initiated and identify any potential off-site impact.

7.4.9 As mitigation efforts progress, the Off-site Emergency Manager will evaluate the necessity for maintaining the various parts of the Recovery Organization. Positions may be dismissed if their work is completed and the need for their expertise is minimal.

7.4.10 The Off-site Emergency Manager should request Regional Utility Support from Union Electric Company, signatory companies of the INPO Voluntary Assistance Agreement, and other organizations as needed.

7.5 Engineering Coordinator

7.5.1 Provide engineering and technical specialists for support activities.

7.5.2 Assist with modifications to systems.

7.5.3. Assist in developing recovery procedures for special operations.

7.5.4. Provide expertise for repair and modification activities.

7.5.5. Provide qualified personnel to augment repair teams.

7.5.6 Provide a description of the processes necessary to restore WCGS to an operating condition. This description should be developed in phases such as clean-up, repair, testing and start-up.

7.5.7 Provide a description of any deviations to plant technical specifications, how these deviations shall be controlled procedurally and an estimate of the time such deviations shall be required to be in effect.

7.6 Radiological Coordinator

7.6.1 Provide a description of the radiation exposure and contamination control measures to be employed during recovery operations, including the disposition of radioactive and contaminated waste which may be generated during the emergency.

NOTE

Releases may include pre-planned venting of containment or other systems which could release gaseous radioactivity.

7.6.2 Provide an estimate of radioactive materials, either gaseous or liquid, which may be released to the environment during recovery operations and the impact on the population in the vicinity of WCGS.

7.6.3 Determine approximate dose rates and permissible stay times for teams entering affected areas.

7.5.4 Direct radiological exposure control for teams performing recovery activities.

7.6.5 Specify the type of equipment teams are required to use for recovery operations.

7.6.6 Coordinate Team briefs for re-entry operations, including the routes for entry into any affected areas and any hazardous conditions that may exist.

7.6.7 Ensure radiological monitoring and decontamination are implemented in accordance with approved procedures.

7.6.8 Report team progress and completed activities.

7.6.9 Coordinate development of design modifications, plans and procedures for processing, sampling or controlling liquid, gaseous and solid wastes.

7.6.10 Coordinate sampling programs, dose assessments, dose management, and radiation protection programs.

1. Ensure notifications concerning sampling programs and dose assessments are made as appropriate.

7.6.11 Coordinate the total cumulative population exposure calculation as needed.

7.7 Administrative Coordinator

7.7.1 Develop and coordinate a shift schedule for personnel performing recovery operations.

7.7.2 Provide administrative equipment and communications support as needed for recovery operations.

7.7.3 Develop a list of consultants, vendors, utilities, etc. who may provide equipment, personnel, and engineering support during recovery operations.

7.7.4 Develop, as appropriate, procedures for expeditiously procuring equipment, personnel and engineering support.

7.7.5 Coordinate the initial activities of the consultants and vendors that are brought in for recovery operations.

7.8 Site Emergency Manager

7.8.1 Coordinate on-site activities for recovery operations from an Alert or higher emergency.

7.8.2 Ensure development of modification and repair plans for plant systems, instruments and control problems resulting from the accident.

7.8.3 Ensure analysis of conditions and development of guidance for operations personnel regarding core protection.

7.8.4 Ensure development of recovery procedures for special operations.

7.9 Wolf Creek Public Information Officer

7.9.1 Continue to perform duties in accordance with EPP 06-004, PUBLIC INFORMATION ORGANIZATION.

7.10 Consultants/Vendors

7.10.1 Consultants/Vendors such as the Nuclear Steam Supply System supplier (Westinghouse) and the Architect/Engineer (Bechtel) have prepared plans for supplying personnel to assist in recovery and should be called as needed.

7.11 Regional Utility Support

7.11.1 Regional Utility Support from Union Electric Company, signatory companies of the INPO Voluntary Assistance Agreement, and other organizations should be requested as needed.

8.0 INITIAL ACTIONS

8.1 None

9.0 SUBSEQUENT ACTIONS

9.1 None

10.0 RECORDS

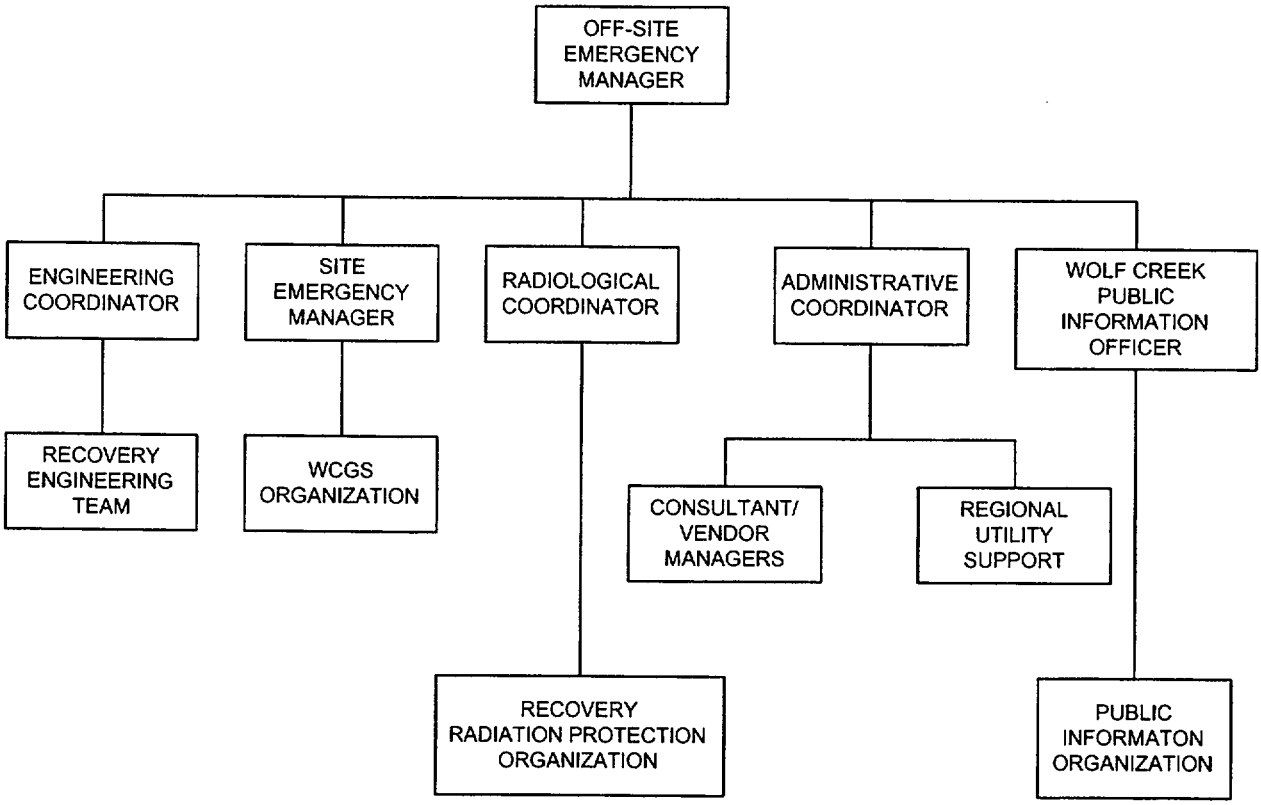
10.1 Records generated by this procedure during an actual emergency are considered lifetime QA records and shall be forwarded to Emergency Planning at the termination of the emergency.

10.2 Records generated by this procedure during drills and exercises are non-QA records and shall be forwarded to Emergency Planning at the termination of the drill or exercise.

11.0 FORMS

11.1 None

FIGURE 1
WCGS RECOVERY ORGANIZATION



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01/12/2000

WOLF CREEK
NUCLEAR OPERATING CORPORATION

EPP 06-009

DRILL AND EXERCISE REQUIREMENTS

Responsible Manager

Manager Resource Protection

Revision Number	0
Use Category	Reference
Administrative Controls Procedure	No
Infrequently Performed Procedure	No
Program Number	06

DC2 10/28/98

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides guidance for developing and implementing the emergency preparedness drill and exercise program, and for documenting information and historical data for event reconstruction.

2.0 SCOPE

2.1 A drill and Exercise program is necessary to ensure that the Emergency Response Organization (ERO) is capable of determining an emergency condition at Wolf Creek Generating Station (WCGS), assess the consequences, notifying key licensee and non-licensee personnel and organizations, making onsite protective action decisions, recommending off-site protective actions, and maintaining logs and records for event reconstruction.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 Wolf Creek Generating Station Radiological Emergency Response Plan

3.1.2 FEMA REP-14, Radiological Emergency Preparedness Exercise Manual

3.1.3 NUREG-0654/FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

3.1.4 NRC Inspection Procedure 82-302

3.1.5 WCGS Fire Protection Program

3.1.6 PIR 96-2859, Incomplete Turnover Sheets

3.2 Commitments

3.2.1 RCMS 85-316, Submittal of the Scenario and Licensee Actions to the NRC

3.2.2 RCMS 85-317, Submittal of Goals and Guidelines to the NRC

3.2.3 RCMS 87-140, Response To Notice Of Violation 482/8714-02, Requirement For Quarterly Callout Drills

3.2.4 RCMS 87-162, All Major Components Of The RERP, Including Federal, State And Local Agency Participation, Will Be Tested Over A Six-Year Period

3.2.5 RCMS 88-131, Response To Notice Of Violation 481/8812-01, Requirement For Continuing Quarterly Callout Drills

4.0 DEFINITIONS

4.1 Controllers

4.1.1 Personnel responsible for providing messages and scenario data to participants during a drill or Exercise.

4.2 Critique

4.2.1 A meeting to evaluate and critically analyze the ability of organizations to respond as described in the RERP and Emergency Planning Procedures.

4.3 Drill

4.3.1 A supervised activity used to develop and maintain skills in a particular operation.

4.4 Drill Lead Controllers

4.4.1 Personnel who are assigned the responsibility for providing overall management and technical direction for drills and exercises.

4.5 Evaluators

4.5.1 Personnel who are assigned the responsibility for documenting and evaluating the actions of the controllers and players in response to a drill or exercise.

4.6 Exercise

4.6.1 An event that incorporates the integrated capability of the basic elements existing within the Radiological Emergency Response Plan (RERP), State and County Emergency Plans and associated organizations. An exercise simulates a radiological emergency condition requiring the response of off-site agencies and graded biennial exercises are evaluated and critiqued by FEMA/NRC officials.

4.7 Facility Lead Controllers

4.7.1 Personnel who are assigned the responsibility for coordinating controller activities in a specific facility during a drill or exercise.

4.9 Logs

4.9.1 A chronological listing of events and actions taken by ERO personnel.

4.10 Participants

4.10.1 Those Emergency Response Organization members who have been assigned a role to respond to an emergency.

4.11 Records

4.11.1 Documents such as calculation worksheets, computer printouts, forms, logs, memos, checklists, or any paper used to record data or information during an emergency, drill or exercise which may be used for event reconstruction.

4.12 Scenario

4.12.1 An outline of a simulated chain of emergency events used for a drill or exercise.

5.0 RESPONSIBILITIES

5.1 Superintendent Emergency Planning

5.1.1 Coordinates the development of a drill and exercise program and schedule with the NRC, FEMA, State, Coffey County and other participating agencies.

5.1.2 Ensures the Emergency Planning Exercise is conducted as set forth in guidelines agreed upon with the NRC, FEMA, State, Coffey County, and other participating agencies.

5.1.3 Provides the necessary support to assure that State, Coffey County and other participating agency personnel mobilize and provide off-site emergency response resources to an exercise scenario.

5.1.4 Ensures development of scenarios for drills and exercises.

5.1.5 Approves the assignment of qualified controllers and evaluators at participating facilities.

5.1.6 Provides Regulatory Compliance with exercise objectives/exercise scenario five working days prior to the NRC's requested submittal date for each item in accordance with NRC Inspection Procedure 82-302. [Commitment Steps 3.2.1 and 3.2.2]

5.1.7 Provide FEMA with exercise objectives/exercise scenario by FEMA's requested submittal date for each item in accordance with FEMA REP-14. This submittal is not to be transmitted through the State of Kansas so that the confidentiality of the scenario remains uncompromised. However, the State shall concur with and be aware of the direct submittal of the scenario to FEMA.

5.1.8 Assures the health and safety of participants during drills and exercises in accordance with SP-808, DRILL AND EXERCISE SAFETY.

5.2 Emergency Response Organization Personnel

5.2.1 For completing and maintaining logs and records in a neat and orderly fashion during an emergency, drill, or exercise.

5.3 Drill Lead Controller

5.3.1 Provide overall management and technical direction of the drill or Exercise.

5.3.2 Identify and evaluate potential health and safety hazards during a drill or Exercise.

5.4 Facility Lead Controllers

5.4.1 Perform responsibilities as assigned prior to and during a drill or Exercise.

5.5 Controllers and Evaluators

5.5.1 Perform responsibilities as assigned prior to and during a drill or Exercise.

6.0 PRECAUTIONS/LIMITATIONS

6.1 None

7.0 PROCEDURE

7.1 Exercises And Drills

7.1.1 Exercises are conducted to evaluate the basic elements and capabilities of WCGS and off-site organizations to respond to off-site radiological releases.

- o At least once every six years, one exercise or drill shall start between 6:00 p.m. and 4:00 a.m. for WCNOC facilities and off-site organizations. Some exercises should be unannounced.

- o The necessary arrangements are made for official evaluators from Federal, State and local governments and WCNOC to observe, evaluate and critique graded biennial exercises.

7.1.2 Drills are used to develop and maintain skills in particular areas. Drills are used to evaluate personnel proficiency and to allow hands-on training and practical experience.

7.1.3 A single drill may incorporate more than one drill requirement. The graded exercise is not to be used to satisfy the requirement for these drills.

7.1.4 Communications Drills ensure communications between WCGS and off-site organizations is possible and that the content of messages is understood.

1. Communication tests with local, State and Federal agencies are performed in accordance with EPP 02-1.9, MAINTENANCE OF OFF-SITE FACILITIES AND EQUIPMENT.

7.1.5 Health Physics Drills

1. Semi-annual Health Physics drills include response to and analysis of simulated elevated airborne and liquid samples, and direct radiation measurements in the environment

2. Annual Health Physics drills include analysis of in-plant Reactor Coolant liquid samples, including use of the post-accident sampling system.

7.1.6 Medical Emergency Drills

1. Annual Medical Emergency drills should include transportation and treatment of simulated contaminated individuals by ambulance and off-site medical treatment facilities. Off-site portions of the drill may be performed as part of the required annual exercise.

7.1.7 Radiological Monitoring Drills

1. Annual Radiological Monitoring drills include both onsite and off-site collection and analysis of sample media, field activities, and provisions for communications and record keeping.

7.1.8 Call-Out Drills

1. Quarterly Call-Out drills demonstrate augmentation capabilities of the ERO to staff the Emergency Response Facilities. This drill does not normally include mobilization. [Commitment Steps 3.2.3 and 3.2.5]

7.2 Logs And Records

7.2.1 Entries shall be as accurate, legible, and concise as possible. All data on forms should be entered or marked N/A if not applicable.

7.2.2 Any information that will assist in reconstruction of the response history such as plant status at time of emergency declaration, major steps taken by facilities to mitigate the emergency, plant status changes, and field team reports shall be entered as it is received.

7.2.3 Information entered in the log after the fact should be marked Late Entry (LE) and the time of the event entered as the next log entry.

7.2.4 Corrections should be made by placing one line through the incorrect entry, initialing, dating, and entering the correction.

7.2.5 Information written in logs, forms, or on any paper during an emergency, drill, or exercise should be considered as a record. All information could be vital for event reconstruction.

7.3 Scenarios

7.3.1 Scenarios should be realistic and challenging. Results of previous drills, exercises and industry information should be included if they enhance the scenario. Enough data should be included for specific events, such as an equipment failure, so that response teams can realistically respond.

7.3.2 Exercise scenarios are varied each year to assure that all major elements of the emergency response plans and procedures for WCGS and off-site organizations are tested within a six-year period. [Commitment Step 3.2.4]

7.3.4 Scenarios should describe how drills or exercises are to be performed to allow decision making and to describe the following:

1. Basic objectives and appropriate evaluation criteria
2. Date(s), time period, place(s), and participating organizations
3. Simulated events
4. Meteorological information
5. Time schedule of real and simulated initiating events
6. Narrative summary describing the conduct of the scenario should include descriptions of:
   a. Simulated casualties
   b. Off-site fire department assistance
   c. Rescue of personnel
   d. Use of protective clothing
   e. Deployment of radiological monitoring teams
   f. Public information activities
   g. Completed Shift Manager's turnover sheet

7.3.4 The objectives and guidelines of scenarios should remain confidential to all except those with a need to know.

1. Participants of Graded Exercises shall not have prior knowledge of the scenario.

2. Data for drills should be treated discreetly, however knowledge of the scenario will not preclude participation in the drill.

7.4 Conduct Of Drills And Exercises

NOTES

- **Callout and tabletop drills are not addressed in this section.**
- **Except in certain circumstances where it is more practical to combine the controller and evaluator functions, evaluators for drills and Exercises are separate personnel.**

7.4.1 Controllers and evaluators are designated and indoctrinated to their roles and responsibilities prior to drills and exercises.

7.4.2 Within 24 hours of the start of the drill or exercise, the Drill Lead Controller should evaluate potential health and safety hazards which may affect the conduct of the drill or exercise.

7.4.3 IF during a drill or exercise individual activities are identified which affect the safety of a participant or which could compromise plant operations, THEN the activity should be stopped or altered.

7.4.4 Facility Lead Controllers should ensure attendance sheets are completed and facility records are gathered and submitted to Emergency Planning for retention.

7.5 Critiques

7.5.1 Critiques involve key participants, controllers and evaluators, and are conducted as soon as practicable following an emergency, exercise or drill.

7.5.2 Areas identified for improvement shall be documented in accordance with AP 28A-001, PERFORMANCE IMPROVEMENT REQUEST.

8.0 INITIAL ACTIONS

8.1 None

9.0 SUBSEQUENT ACTIONS

9.1 None

10.0 RECORDS

10.1 Records generated by this procedure during an actual emergency are considered lifetime QA records and shall be forwarded to Emergency Planning at the termination of the emergency.

10.2 Records generated by this procedure during drills or exercises are considered non-QA records and shall be forwarded to Emergency Planning at the termination of the drill or exercise.

11.0 FORMS

11.1 EPF 06-009-01, EMERGENCY RESPONSE LOG

CC
01/12/2000

WOLF CREEK
NUCLEAR OPERATING CORPORATION

EPP 06-010

PERSONNEL ACCOUNTABILITY AND EVACUATION

Responsible Manager

MANAGER RESOURCE PROTECTION

Revision Number	1
Use Category	Reference
Administrative Controls Procedure	No
Infrequently Performed Procedure	No
Program Number	06

DC2 08/20/99

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides guidance for personnel accountability in the event of a Personnel Accountability Assembly or Exclusion Area Evacuation at Wolf Creek Generating Station (WCGS) and for the process of Exclusion Area Evacuation.

2.0 SCOPE

2.1 This procedure is implemented following the declaration of an Alert or higher Emergency at WCGS. The Shift Manager or Site Emergency Manager may, at their discretion, direct the implementation of this procedure at a lesser classification.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 EPP 06-001, CONTROL ROOM OPERATIONS

3.1.2 EPP 06-002, TECHNICAL SUPPORT CENTER OPERATIONS

3.2 Commitments

3.2.1 None

4.0 DEFINITIONS

4.1 Emergency Response Organization (ERO)

4.1.1 Group of personnel assigned to perform designated duties at an Emergency facility during a declared emergency.

4.3 Exclusion Area

4.3.1 That area surrounding the Containment building to a distance of 1200 meters.

4.4 Exclusion Area Evacuation

4.4.1 Evacuation of all personnel not performing ERO duties from the Exclusion Area.

4.5 Personnel Accountability Assembly

4.5.1 An assembly of all non-ERO personnel in the Protected Area for the purpose of accountability following the declaration of an Alert or higher emergency classification.

4.6 Primary Access Control Station (PACS)

4.6.1 Main Security Building where access to the Protected Area is controlled.

4.7 Protected Area

4.7.1 That area around the plant which is encompassed by physical barriers and to which access is controlled for security purposes.

4.8 Records

4.8.1 Documents such as calculation worksheets, computer printouts, forms, logs, memos, checklists, or any paper used to record data or information during an emergency, drill or exercise which may be used for event reconstruction.

4.9 Secondary Access Facility (SAF)

4.9.1 Secondary building where access to the Protected Area is controlled.

5.0 RESPONSIBILITIES

5.1 Shift Manager

5.1.1 Ensuring personnel assigned to or dispatched from the Control Room are accounted for and reported to Security upon initiation of this procedure.

5.2 Site Emergency Manager

5.2.1 Ensuring personnel assigned to or dispatched from the Technical Support Center (TSC) are accounted for and reported to Security upon initiation of this procedure.

5.3 Security Shift Lieutenant (SSL)

5.3.1 Ensuring accountability is performed and reported to the appropriate facility.

5.3.2 Ensuring the Exclusion Area is evacuated when the Exclusion Area Evacuation is initiated.

6.0 PRECAUTIONS/LIMITATIONS

6.1 Individuals requiring an escort remain with their escort at all times until exiting the protected area.

6.2 Personnel not assigned to an onsite emergency facility must exit the Protected Area.

6.3 Personnel accountability must be accomplished within 30 minutes of notification to perform accountability.

6.4 The Exclusion Area, outside the Protected Area Boundary (PAB), must be evacuated within two hours of the initiation of an Exclusion Area Evacuation.

6.5 At the initiation of an Exclusion Area Evacuation, the necessary radiological support for evacuating personnel will be provided by the TSC.

7.0 PROCEDURE

7.1 Initiating Personnel Accountability

7.1.1 Personnel accountability is initiated by sounding the Site Evacuation Alarm and making the appropriate announcement.

7.1.2 Personnel performing work in the plant that is critical to the emergency may be exempt from evacuating. Those exempted personnel are included in Control Room accountability.

7.1.3 WHEN personnel accountability is completed, THEN ensure that search and rescue operations are initiated for unaccounted personnel. Search and rescue in areas within the Protected Area Boundary (PAB) are initiated from the TSC. Search and rescue in areas outside the PAB but, within the exclusion area, are initiated by Security.

7.1.4 Personnel shall not re-enter evacuated areas unless specifically authorized by the Shift Manager, Site Emergency Manager, or their designee.

7.1.5 In the event that parking lots or personal vehicles become contaminated, the Site Emergency Manager ensures that alternate assembly points are designated and that arrangements for alternate transportation are made for evacuating personnel.

7.2 Personnel Accountability Assembly

NOTES

- **Accountability results shall be reported to the TSC no later than 30 minutes of the announcement to perform a site accountability.**

7.2.1 The Security Shift Lieutenant shall log the time and message on EPF 06-010-02, SECURITY E-PLAN RESPONSIBILITIES CHECKSHEET, when personnel accountability is to be initiated.

7.2.2 The Security Shift Lieutenant shall direct initiation of personnel accountability.

7.2.3 IF an Alert or higher is declared, THEN the Security Shift Lieutenant shall ensure that TLD's and PIC's are issued to Security personnel.

1. The issue of TLD's shall be logged on RPF 03-105-1, TLD ISSUE LOG.

7.2.4 The Security Shift Lieutenant shall direct a member of the Security Force to walk through and make facility notifications in the Edward P. McCabe Support Building, 1st floor, north half of building.

7.2.5 IF the exit card readers are not operable, THEN the Security Shift Lieutenant shall direct an armed security officer to open the exit door and to collect exiting personnel's ACAD.

7.2.6 The Security Shift Lieutenant shall obtain a list of all personnel within the PAB from the Security Computer for comparison with the reports from each emergency response facility of ERO personnel present.

7.2.7 IF during Off-normal working hours, THEN the Security Shift Lieutenant should ensure the following is performed:

1. Obtain ACAD badge numbers of personnel under the control of, but not physically in, the Control Room, TSC and Secondary Alarm Station.

2. Initiate and print the Emergency Accountability Report. On the printed report, line out the ACAD badge numbers reported from the Control Room, TSC and Secondary Alarm Station. Those ACADs not lined off on the list are unaccounted for.

7.2.8 IF during Normal working hours, THEN the Security Shift Lieutenant should ensure the following is performed:

1. Obtain ACAD badge numbers of personnel under the control of, but not physically in, the Control Room, TSC and Secondary Alarm Station.

2. WHEN the majority of personnel have cleared the turnstiles, THEN initiate and print the Emergency Accountability Report. On the printed report, line out the ACAD badge numbers reported from the Control Room, TSC and Secondary Alarm Station. Those ACADs not lined off on the list are unaccounted for.

7.2.9 The Security Shift Lieutenant shall report the results of the accountability to the TSC. Report all unaccounted for personnel and the last location known.

7.2.10. Obtain the Callout printout at 15, 30, and 45 minute intervals after the event has been declared and determine those individuals needing alcohol screening prior to entering.

NOTE

The "Feel Imprd" field is located just to the right of the "Alcohol" field. The field will be blank if the "Alcohol" field has a 6 in it.

1. After receiving the callout printout review the "Feel Imprd" field. If a "N" is displayed the individual is required to be alcohol screened prior to entry.

2. Those individuals needing alcohol screened prior to entry will have their ACAD flagged "Security Hold". Individuals ACAD may be unflagged after testing or 5 hours.

3. If testing is positive or in the buffer zone, notify the Security Coordinator or Administrative Coordinator.

7.2.11 A member of the Security Force shall be dispatched to the TSC and ensure the TSC is unlocked, close the two airlock doors and ensure all interior doors are unlocked.

7.2.12 During PAB exiting, notify the TSC Radiological Coordinator of any possible contaminated individuals.

7.3 Personnel Accountability

7.3.1 The Shift Manager ensures the ACAD badge numbers of personnel performing critical work for the emergency are reported to PACS within 30 minutes of the announcement to perform a site accountability.

7.3.2 The TSC Administrative Coordinator ensures the ACAD badge numbers of personnel in the TSC are reported to PACS within 30 minutes of the announcement to perform a site accountability.

7.3.3 The Security Shift Lieutenant ensures the ACAD badge numbers of Security personnel are reported to PACS within 30 minutes of the announcement to perform a site accountability.

7.4 Exclusion Area Evacuation

7.4.1 WHEN an the Exclusion Area Evacuation is initiated, THEN the Site Evacuation Alarm will sound and be followed by the Exclusion Area Evacuation Announcement.

7.4.2 Ensure site evacuation route maps are placed at an accessible location at PACS and SAF.

7.4.3 The Security Shift Lieutenant directs the search of personnel outside the PAB but within the Exclusion Area. Personnel shall be directed per the plant evacuation announcement.

7.4.4 The Security Shift Lieutenant shall post a member of the Security Force at Main Gate North to restrict access to all personnel. All personnel entering main gate north shall be stopped and entrance shall be approved by the Security Coordinator.

1. The Security Coordinator shall communicate with the Site Emergency Manager on authorizing personnel on-site.

7.4.5 The Security Shift Lieutenant shall advise the TSC Administrative Coordinator when the Exclusion Area Evacuation has been completed.

7.5 Continued Personnel Accountability

7.5.1 The Security Shift Lieutenant maintains accountability by ensuring that all personnel entering the PAB are authorized.

1. Until the TSC is activated all personnel with ACAD numbers below 2000 are authorized to enter.

2. After the TSC is activated all personnel shall be authorized by the Security Coordinator.

3. The Security Coordinator shall communicate with the Site Emergency Manager on authorizing personnel to enter the PAB.

8.0 INITIAL ACTIONS

8.1 None

9.0 SUBSEQUENT ACTIONS

9.1 None

10.0 RECORDS

10.1 Records generated by this procedure during an actual emergency are considered lifetime QA records and shall be forwarded to Emergency Planning at the termination of the emergency.

10.2 Records generated by this procedure during a drill or exercise are considered non-QA records and shall be forwarded to Emergency Planning at the termination of the drill or exercise.

11.0 FORMS

11.1 EPF 06-010-01, ACCOUNTABILITY LOG

11.1 EPF 06-010-02, SECURITY E-PLAN RESPONSIBILITIES CHECKSHEET

- END -

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01/12/2000

WOLF CREEK
NUCLEAR OPERATING CORPORATION

EPP 06-012

DOSE ASSESSMENT

Responsible Manager

Manager Resource Protection

Revision Number	2
Use Category	Reference
Administrative Controls Procedure	No
Infrequently Performed Procedure	No
Program Number	06

DC2 11/05/99

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides guidance for determining release rates and for estimating offsite dose to the Whole Body and Thyroid.

2.0 SCOPE

2.1 The estimated release rate, total release values, offsite dose rates, and integrated doses to the Whole Body and Thyroid, are used in conjunction with EPP 06-006, PROTECTIVE ACTION RECOMMENDATIONS, as one basis for determining offsite protective actions to be recommended to State and County Officials.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 CHS AX-G01, SAMPLING OF UNIT AND RADWASTE VENTS FOR RADIOACTIVE GAS AND TRITIUM

3.1.2 EPP 06-006, PROTECTIVE ACTION RECOMMENDATIONS

3.1.3 EPP 06-009, DRILLS AND EXERCISE REQUIREMENTS

3.1.4 EPP 06-011, EMERGENCY TEAM FORMATION AND CONTROL

3.1.5 EPP 06-013, EXPOSURE CONTROL AND PERSONNEL PROTECTION

3.1.6 Radiological Emergency Response Plan (RERP)

3.1.7 Regulatory Guide 1.109, "Calculation of Annual Doses to Man from Routine Release of Reactor Effluents for the Purpose of Evaluating Compliance with 10CFR50, Appendix I", (Rev. 1, October, 1977)

3.1.8 Regulatory Guide 1.111, "Methods for Estimating Atmospheric Transport and Dispersion of Gaseous Effluents in Routine Releases from Light Water Cooled Reactors", (Rev. 1, July 1977)

3.1.9 Regulatory Guide 1.145, "Atmospheric Dispersion Models for Potential Accident Consequence Assessments at Nuclear Power Plants", (August, 1979)

3.1.10 Regulatory Guide 1.23, "Meteorological Programs in Support of Nuclear Power Plants," (September, 1980)

3.1.11 Regulatory Guide 1.4, "Assumptions Used for Evaluating the Potential Radiological Consequences of a Loss of Coolant Accident for Pressurized Water Reactors", (Rev. 2, June 1974)

3.2 Commitments

3.2.1 RCMS #92-148, Provide guidance to obtain highest flow or release rates from the beginning of the release.

3.2.2 ITIP 00101 (SOER 83-02, Recommendation R12)

4.0 DEFINITIONS

4.1 Emergency Planning Zone (EPZ)

4.1.1 The area around WCGS in which emergency preparedness planning is conducted. The plume exposure EPZ has a radius of approximately 10 miles. The ingestion exposure pathway EPZ has a radius of about 50 miles.

4.2 Exclusion Area

4.2.1 That area within a 1200-meter radius surrounding WCGS in which WCNOC has the authority to determine all activities including exclusion or removal of persons and property from the area.

4.3 Integrated Dose

4.3.1 The amount of ionizing radiation that has been received during a given period of time by a population or group.

4.4 Pasquill Atmospheric Stability Classifications

4.4.1 Are measures of the stability or instability of an air mass based upon the vertical temperature differential between two points.

4.5 Projected Dose

4.5.1 The amount of ionizing radiation that is likely to be received by a population or group if no protective action measures are implemented.

4.6 Projected Integrated Dose

4.6.1 The summation of the Integrated Dose (previous) and the Projected Dose (future).

4.7 Protective Actions

4.7.1 Those emergency measures taken to minimize or prevent radiological exposures to personnel.

4.8 Release Rate

4.8.1 The quantity of radioactive material released to the environment expressed in curies per second (Ci/sec).

4.9 Source Term

4.9.1 The calculated quantity of radioactive material available for or being released to the environment.

4.10 X/Q

4.10.1 A factor based on meteorological dispersion characteristics which relates atmospheric radionuclide release rates to offsite air concentrations.

4.11 Nuclear Plant Instrument System (NPIS)

4.11.1 A plant monitoring tool designed to view critical systems and components during normal and accident conditions.

4.12 Dose Assessment Program

4.12.1 A computer program developed at Wolf Creek designed to use site-specific source terms in the performance of Dose Assessment during an accident condition.

5.0 RESPONSIBILITIES

5.1 Shift Manager

5.1.1 Prior to activation of the Emergency Operations Facility (EOF), assures the Shift Chemist implements this procedure.

5.2 Radiological Coordinator

5.2.1 IF vent monitor(s) are inoperable THEN considers dispatching Plant Team(s) to collect appropriate samples.

5.3 Shift Chemist

5.3.1 At the declaration of an ALERT or higher emergency classification reports to the Control Room to perform emergency dose calculations in accordance with this procedure.

5.4 Dose Assessment Coordinator

5.4.2 Recommends that Offsite Monitoring Teams be dispatched to determine offsite dose rates in accordance with EPP 06-011, EMERGENCY TEAM FORMATION AND CONTROL.

5.4.3 Informs the appropriate TSC or EOF management of the dose rate and projected integrated TEDE and Thyroid doses.

5.5 Dose Assessment Technician

5.5.1 Performs emergency dose calculations in accordance with this procedure.

6.0 PRECAUTIONS/LIMITATIONS

6.1 To confirm that the correct version of the Dose Assessment Program is in use, open the Dose Assessment Program, then click on 'Help' and 'Help About'. The correct version currently in use is Rev. 2.0. If the correct version is not loaded on your computer, it should be removed from your hard drive.

6.2 Offsite dose projection calculations should be performed at least once per hour during the first eight hours after the accident unless it is determined that releases of airborne radioactivity from the plant have been terminated.

6.3 Offsite dose projection calculations should be updated if any of the following conditions occur:

6.3.1 Release rate increases by more than 25 percent.

NOTE

Use 15 minute MET data averages for minor wind direction changes.

6.3.2 Wind direction changes by more than 22.5°.

6.3.3 Atmospheric stability classification changes.

6.3.4 Wind speed changes by more than 50 percent.

6.3.5 Prior to any planned releases.

6.4 IF a radiological release is already in progress before a dose assessment calculation is performed, THEN be sure to look at historical release data / trend on the NPIS to determine the maximum release rate, monitor readings, and meteorological conditions.

6.4.1 IF this is not done THEN an under estimation of an emergency dose projection can occur. [Commitment Step 3.2.1]

7.0 PROCEDURE

7.1 Program Description

NOTES

- **Tab and Shift Tab key manipulations may be used to move through a Model Screen.**
- **Commonly practiced window manipulations may also be used to move through the program.**

7.1.1 The following models may be selected by selecting MODELS on the tool bar.

1. Release Rate Model
2. Design Basis Accident (DBA)
3. SG Tube Rupture
4. Radiation Monitoring System
5. Field Team Data
6. Containment Release

7.1.2 Information

1. Selection of the INFORMATION heading on the tool bar allows access to the following screens:
   a. Dose Projection Report/Dose by Subzone
   b. Model Screen
   c. Source Term
   d. Protective Action Recommendations
   e. NPIS Information
2. The Dose Projection Report/Dose by Subzone and Model Screen options allow the user to toggle between the two report screens of the program.
   a. The Model Screen includes:
      1) MET data section
      2) Release data section
      3) Performed/Verified signature section

4) Release start time

5) Calculation result section:

a) Particulate, Noble Gas and Iodine release rates.

b) Projected Centerline Dose Segment - the results of the data entered above but not summed.

6) PAR section which is based on the Projected Dose Segment as well as the summed doses.

a) Only evacuation recommended subzones are listed.

b. Dose Projection Report/Dose by Subzone Screen includes:

1) Dose Rate to the Whole Body and Thyroid for Exclusion Area Boundary (EAB), 2, 5, and 10 miles in Roentgen per hour (R/hr).

2) Plume arrival time in minutes for EAB, 2, 5, and 10 miles based on wind speed.

3) Estimated hours until evacuation necessary for EAB, 1 R TEDE or 5R thyroid.

4) A list of both TEDE and Thyroid Dose for each subzone.

3. The source term option allows manipulation of DCF information.

a. The source term enables the user to alter the distribution from the USAR Gap and default activities.

1) Selection of the Activity heading on the source term screen tool bar allows the user to zero all activities for manual entry or to return to USAR Gap activities.

2) Selection of the File heading on the source term screen tool bar allows for data file manipulation.

NOTE

If the containment spray is selected, the program will inquire whether the spray has been on for 30 minutes or more. If the spray has been on for 30 minutes or more, the filtration factor will be utilized; if not, the filtration factor will not be applied.

b. Two additional nuclide distribution factors are available on the source term screen, HEPA filters and Containment Spray.

1) A "Y" entry in the HEPA Filter Box reduces the Iodine Activity 90%. That is, 10% of the Iodine activity is released to the public.

2) A "Y" entry in the Containment Spray Box reduces the Iodine Activity available for release by 75%. That is, 25% of the Iodine activity is released to the public.

3) If both HEPA Filter and Containment Spray are answered "Yes", the Iodine Activity used in the offsite dose projections is reduced to 2.5% of its original activity level.

4) Prior to performing real time calculations, the user must remember to check the source term screen values to ensure projection source term values are appropriate.

4. PARs selection from the Information Menu Bar provides information for review of Protective Action Recommendations.

5. The NPIS Info selection is not available at this time.

NOTE

The notification form can only be printed if THE DOSE ASSESSMENT PROGRAM is running from the LAN.

6. The File Menu bar provides options to print the Notification form and calculation worksheet.

7.1.3 Data

1. Selection of Data from the Menu Bar allows selection of the following actions:

a. Sort Dose by Subzone

b. Perform Calculations

c. Sum Dose

2. The Sort Dose by Subzone and Sum Dose actions are self-explanatory.

7.1.4 Calculations

1. The Perform Calculations selection allows the user to choose one of four calculations types:

   a. Calculation Type One - UPDATE NPIS INFORMATION ONLY -- Updating the NPIS available information with current plant information. This calculation type is available only if the PC is connected to the NPIS.

   b. Calculation Type Two - NPIS DATA ONLY -- The offsite doses will be calculated using only the actual plant data from NPIS. Any manually altered data will be OVERWRITTEN. This calculation type is available only if the PC is connected to the NPIS.

   c. Calculation Type Three - MANUALLY ENTERED DATA -- The offsite doses will be calculated using the data displayed on the Model Screen.

   d. Calculation Type Four - MANUALLY ENTERED "UNOFFICIAL" DATA -- The offsite doses are calculated using all the data from the previous screen as in Calculation type three above. The difference is this calculation prints "Unofficial" on the report as a flag to all users.

7.2 Program Use

7.2.1 The Dose Assessment Program will normally be operated from an Icon in program manager. The program is also available on I:\Shared\Info\Help\EDCP.EXE.

7.2.2 Select a Release Model from the Model Item on the Menu Bar.

7.2.3 Dose calculations may now be performed. Menu items necessary for operation of the program are selected from the Menu Bar.

NOTE

On a total loss of offsite power, certain radiation monitors are still available. See ATTACHMENT B for more information.

7.2.4 Obtain the following information:

1. Plant Status
2. MET data
3. Process Monitor data
4. Effluent Flow rate data

-OR-

5. If no data is available perform a DESIGN BASIS RCS LOCA using:
   a. DBA Release Rate
   b. Unfiltered Release Pathway
   c. Stability Class D for daytime or Stability Class F for night time

-OR-

   d. If the accident is deemed to be outside of Design Basis and is rapidly escalating, recommend to the Emergency Manager to use EPP 06-006, PROTECTIVE ACTION RECOMMENDATIONS.

7.2.5 Dose Assessment Program MET Information

1. Wind speed can be input as mph, kph, or mps by double-clicking within the box surrounding the input description until the appropriate description is displayed.
2. Projected release duration and time since reactor trip can both be input as hrs., mins., or days by double-clicking within the box surrounding the input description until the appropriate description is displayed.
3. A Stability Class-Wind Speed/Weather Conditions Help Screen is available by double-clicking within the stability class input field.

a. The user may generate a stability class by selecting the appropriate weather condition and inputting the proper wind speed.

b. The generated stability class is returned to the Model Screen by selecting FILE EXIT.

7.2.6 Dose Assessment Program Model Operations

1. Steps 7.2.7 through 7.2.12 contain information regarding data entry specific to each model

7.2.7 Option One, Release Rate Model

1. This model allows the user to input Gaseous and Iodine release rates in Ci/sec.

2. The following instructions may be useful in operating the Release Rate Model:

   a. Gaseous Release Rate may be changed to Total Release Rate by double-clicking within the box surrounding the Gaseous Release Rate.

      1) Likewise, the display can be changed to Gaseous Release Rate from Total Release Rate by double-clicking within the box surrounding the total release rate.

   b. Iodine Release Rate may be changed to a ratio by double-clicking within the box surrounding the Iodine Release Rate.

      1) IF the ratio is known, THEN the value can be entered.

      2) If the ratio is unknown, a Help Screen may be displayed by double-clicking within the input field for the iodine ratio.

      3) Once the user selects the appropriate ratio from the list, FILE EXIT is used to return to the Model Page of the report.

      4) The display may be changed back to Iodine Release Rate by double-clicking within the box surrounding Iodine/Noble Gas Ratio.

c. IF a leak rate (gal/min) and activity (µCi/cc) is known or can be estimated, THEN the following calculation could be used to determine a release rate:

$$\left(\frac{\mu Ci}{cc}\right)\left(\frac{gal}{\min}\right)\left(\frac{\min}{60s}\right)\left(\frac{3.785L}{gal}\right)\left(\frac{1000cc}{L}\right)\left(\frac{Ci}{1E6\mu Ci}\right) = \frac{\text{Ci}}{\text{s}}$$

7.2.8 Option Two, Design Basis Accident (DBA) Model

1. This model allows the user to perform dose calculations based on USAR release rate data for various design accidents.

2. If this option is selected, the user may select from a list of nine DBAs:

   a. Loss of Coolant

   b. Main Steam Line Break

   c. Loss of Offsite AC

   d. Locked RCP Rotor

   e. Waste Gas Decay Tank Rupture

   f. CVCS Break

   g. SG Tube Rupture

   h. Fuel Handling Accident

   i. Control Rod Ejection

NOTE

Use field team data whenever available to provide the most accurate dose estimations.

7.2.9 Option Three, Steam Generator Tube Rupture

1. The SG Tube Rupture Model allows the user to perform dose calculations based on a steam generator tube rupture utilizing steam flow and shine monitor readings.

2. The following instructions may be helpful when performing SG Tube Rupture calculations:

   a. Steam generator monitor readings may be input in mR/hr for either a steaming steam generator or a full steam generator.

      1) The input description is changed by double-clicking within the box surrounding the input description.

      2) Steam generator flow may be input in lbm/hr, thousands of lbm/hr, gph or as a pressure entered by the user.

         a) Gallons per hour (gph) should be selected if the steam generator is full of water. This option represents a two-phase or liquid release from the steam generator. **[Commitment Step 3.2.2]**

         b) The input description is changed by double-clicking within the box surrounding the input description.

      3) A Steam Generator PORV/Auxiliary Feed Exhaust Help Screen is available by double-clicking either the steam generator monitoring readings or steam generator flow input field.

         a) Once the Help Screen is completed, the user can return the averaged flow and monitor readings to the Main Screen by selecting FILE EXIT.

7.2.10 Option Four, Radiation Monitoring System (RMS)

1. The RMS Model allows the user to input data from the unit and/or radwaste vent monitor as well as the vent flow rates to perform offsite dose calculations.

2. The following instructions may be helpful when performing RMS calculations:

   a. Gaseous Activity - May be changed to Total Activity by double-clicking within the box surrounding Gaseous Activity.

      1) Likewise, if Total Activity is displayed it may be toggled back to Gaseous Activity by using the same technique.

b. Iodine Activity - May be changed to a ratio if necessary by entering the ratio value followed by double-clicking within the box surrounding the Iodine Activity. This is a toggle type of function and may be returned to an activity using the same technique.

1) If the ratio is unknown, the value may be entered.

2) If the ratio is unknown, once the display has been changed to a ratio input, double-clicking on the associated data field will access a Help Screen.

3) Once the user selects the appropriate DBA ratio, FILE EXIT may be used to return the value to the Model Screen.

c. Vent Flow -- may be entered.

1) A Help Screen is available by double-clicking the Vent Flow data box.

2) Enter the fan status for each fan by entering the status and then pressing Enter.

3) Select Vent Totals from the tool bar and total the flows required.

4) Select FILE EXIT from the tool bar to forward the value to the Model Screen.

7.2.11 Option Five, Field Team Data Model

1. This model allows the user to input field team dose rates, iodine concentration, particulate concentration and distance information to back calculate the plant release rate and then ultimately the down field doses.

2. The following instructions may be helpful when performing the Field Team dose calculations:

NOTE

The Particulate/Iodine ratio used throughout the Dose Assessment Program is 0.112. If the Particulate/Iodine ratio is selected, unless an entry is made, the value of 0.0 will be used. This option only pertains to the field team model.

a. Field Team Iodine Concentration may be changed to Iodine/Noble Gas Ratio by double-clicking in the box surrounding Field Team Iodine Concentration. This is a toggle-type function and may be changed back to concentration input using the same technique. By selecting Iodine/Noble Gas Ratio the particulate field will change to Particulate/Iodine Ratio.

1) If the ratio is known, the value may be entered.

2) If the ratio is unknown, once the display has been changed to a ratio input, double-clicking on the associated data field will access a Help Screen.

3) Once the user selects the appropriate ratio, FILE EXIT may be used to return the value to the Model Screen.

b. Field Team Distance may be toggled between units of miles and kilometers by double-clicking in the box surrounding the Field Team Distance.

7.2.12 Option Six, Containment Release Model

1. This model allows the user to use CHARMSs readings and either a containment DBA rate or a calculated leak rate based on a pressure drop inside containment to perform dose calculations.

2. An Iodine/Noble Gas Ratio Help Screen may be accessed by double-clicking on the associated data section.

a. Once the Help Screen is accessed, a ratio may be selected.

b. FILE EXIT from the tool bar will forward the ratio to the Model Screen.

3. Leak Rate may be changed from cfm to either m^3/sec or 0.2% per day DBA leak rate by double-clicking in the box surrounding Leak Rate.

   a. The HELP Screen for determining leak rate based on Containment Pressure Drop may be accessed by double-clicking on the Leak Rate data field.

      1) Enter the Initial and Final Containment Pressure as well as the time between pressure readings.

      2) Select Calculate Leak Rate.

      3) Return the leak rate value to the Model Screen by selecting FILE EXIT from the tool bar.

7.3 Printer Use

7.3.1 Selection of FILE and PRINT from the tool bar will allow the user to print to a Network printer.

NOTE

There may be error messages received when printing the notification form. In most cases these are due to the PC configuration and not the Dose Assessment Program program. If the program does not abort, then you should get printed output.

7.3.2 The notification form will only print if the PC is connected to the LAN and the user is logged into a server.

8.0 INITIAL ACTIONS

8.1 None.

9.0 SUBSEQUENT ACTIONS

9.1 None.

10.0 RECORDS

10.1 Printouts associated with this procedure are considered records.

10.2 Records generated by this procedure during an actual emergency are considered lifetime QA records and shall be forwarded to Emergency Planning at the termination of the emergency.

10.3 Records generated by this procedure during a drill or exercise are considered non-QA records and shall be forwarded to Emergency Planning at the termination of the drill or exercise.

11.0 FORMS

11.1 None

- END -

ATTACHMENT A
(Page 1 of 1)
NPIS SCREEN DISPLAYS

Group Menu - Touch Screen for E-Plan Menu

E-Plan Menu - Touch Screen for one of the following

I STATUS BOARD

1. RCS
2. Steam Generators
   a) Levels
   b) Pressures
3. ECCS
4. Containment
   a) Pressure
   b) Temperature
   c) H_2 concentration
   d) CHARM R/hr

Press F3 Key

5. Critical Parameters
6. To exit press Group Key

II AREA RAD

1. Radiological Status
   a.) MET Data
   b) Radmonitors µCi/cc

Press F2 Key

2. Area Radmonitors mR/hr and CHARM R/hr
3. To exit press F6 Key

III MET TOWER DATA

1. Stability Class
2. Wind Speed
3. Wind Direction
4. Vert Temp Difference °F

NOTE: To change to °C type GD MET and press Enter Key

5. To exit press Group Key

IV GROUP DISPLAY

1. SGCHEM 1
2. SGCHEM 2
3. SGCHEM 3
4. PORVMSIV, etc.

NOTE: a) To trend press F4 Key
b) For the New Group Display press F5 Key

5. To exit press Group Key

NOTE: Screen Display Color Code

RED - Alarm
YELLOW - Alert
GREEN - Normal
BLUE - Invalid Reading

-END-

ATTACHMENT B
(Page 1 of 2)
RADIATION MONITOR INFORMATION

On a total loss of off-site power the following radiation monitors remain operable:

GHRT 10A Radwaste Building Vent - Part & Iodine

GHRT 10B Radwaste Building Cent - WRGM

GTRE 21A Unit Vent - Part & Iodine

GTRE 21B Unit Vent - WRGM

FCRT 385 Aux. Feedwater Turbine Discharge Monitor

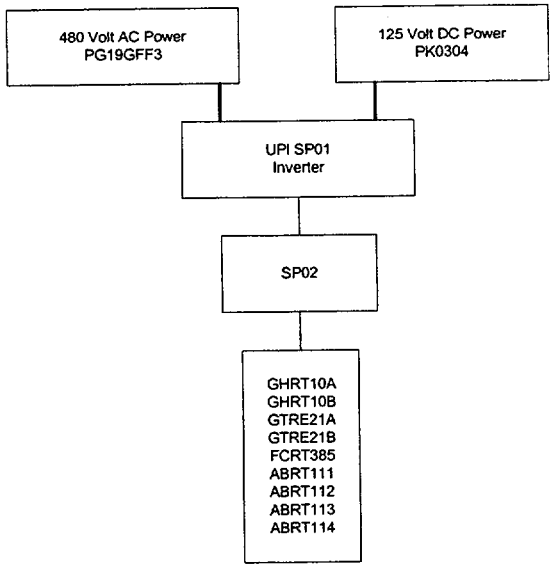
ABRT 111 Steam Line "D" PORV Discharge Monitor

ABRT 112 Steam Line "C" PORV Discharge Monitor

ABRT 113 Steam Line "B" PORV Discharge Monitor

ABRT 114 Steam Line "A" PORV Discharge Monitor

1. These monitors have as their normal AC power SP02 which is supplied by AC power supply PG19GFF3 (480 Volt AC). This feeds or goes from PG19GFF3 to SP01 Inverter [an UPI] to SP02 to monitors.



ATTACHMENT B
(Page 2 of 2)
RADIATION MONITOR INFORMATION

2. The SP01 Inverter is also fed by a 125 volt DC power PK0304 [plant batteries]. In the event of a loss of offsite power occurs (PG19GFF3) then the inverter (UPI) SP01 still feeds the monitors via SP02.

3. If after a total loss of offsite power, the plant would regain one of the NB buses, then the radiation monitors that are fed from that bus would also be available if flow was restored to the monitor.

NOTE

The Chemistry Technicians may have to remind the Control Room to restore flow to these monitors.

4. If the RM-11 is not available the flow to these monitors will have to be done from their RM-23's. (The RM-11 is not powered by NB bus).

- END -

CC
01/13/2000

WOLF CREEK
NUCLEAR OPERATING CORPORATION

EPP 06-015

EMERGENCY RESPONSE ORGANIZATION CALLOUT

Responsible Manager

MANAGER RESOURCE PROTECTION

Revision Number	0
Use Category	Reference
Administrative Controls Procedure	No
Infrequently Performed Procedure	No
Program Number	06

DC22 01/05/1999

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides the guidance for Wolf Creek personnel in performing Emergency Response Organization (ERO) callout.

2.0 SCOPE

2.1 This procedure applies to those personnel assigned the responsibility for performing ERO callout.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 EPP 06-004, PUBLIC INFORMATION ORGANIZATION

3.1.2 Radiological Emergency Telephone Directory (RETD)

3.2 Commitments

3.2.1 None

4.0 DEFINITIONS

4.1 Automatic Dialing System (ADS)

4.1.1 An automated telephone communication system which may be used to call out personnel.

4.2 Callout

4.2.1 The methodology which ensures proper staffing of the Emergency Response Facilities.

4.3 Completed Scenario

4.3.1 Circumstance where a callout is finished either by user intervention, all ERO positions are filled or the scenario run time has expired. A completed scenario can not be resumed at a later time.

4.4 Emergency Response Organization (ERO)

4.4.1 Personnel who are assigned to specific emergency organization positions described in the Radiological Emergency Response Plan (RERP).

4.5 Event Code

4.5.1 A number which is displayed when the E-Plan Pagers are activated which indicates the emergency classification and whether pagers were activated in emergency, test, or drill mode.

4.6 Initial Classification

4.6.1 The first emergency classification declared in association with an emergency condition. This classification is NOT an upgrade from a less severe emergency classification.

4.7 Manual Callout

4.7.1 Method where individuals call out emergency personnel instead of the ADS.

4.8 Normal Working Hours

4.8.1 For the purpose of ADS activation, those hours between 0730 and 1530 (except as indicated in Step 4.9.1) are considered normal working hours.

4.9 Non-Normal Working Hours

4.9.1 All time periods outside of normal working hours including weekends, holidays, the Company alternate Mondays off and other Company-observed time off.

4.10 Password

4.10.1 Code assigned to each user to gain access to the ADS.

4.11 Radiological Emergency Response Telephone Directory (RETD)

4.11.1 The directory which contains telephone numbers for Emergency Response Organization personnel.

4.12 Records

4.12.1 Documents such as calculation worksheets, computer printouts, forms, logs, memos, checklists, or any paper used to record data or information during an emergency, drill or exercise which may be used for event reconstruction.

4.13 Scenario Resumption

4.13.1 Restarts a scenario that was suspended. The ADS begins making calls from the point it was suspended.

4.14 Scenario

4.14.1 The tool by which you start, stop or suspend the ADS.

4.15 Scenario Number

4.15.1 Identification code assigned to each scenario.

4.16 Suspended Scenario

4.16.1 Scenario in which all calls are stopped temporarily. The scenario remains active and must be resumed or completed at a later time.

4.17 Upgrade Classification

4.17.1 An emergency classification that represents an increase in the severity of a previously declared emergency.

5.0 RESPONSIBILITIES

5.1 Off-Site Communicator

5.1.1 Ensure the Emergency Response Organization (ERO) callout is initiated in a timely manner by activating the ADS and E-Plan Pagers as required.

5.2 Computer Operator

5.2.1 Perform ADS monitoring activities.

5.2.2 Initiate ERO manual callout.

5.2.3 Provide Security with fitness-for-duty testing information as required.

5.2.4 Provide staffing and fitness-for-duty information to the TSC Administrative Coordinator as required.

5.3 Public Information Manager

5.3.1 Make plant announcements to ensure callout of Public Information Organization staff as required.

5.3.2 Activate the ADS to ensure callout of Public Information Organization staff as required.

5.4 Non-Responding Emergency Communicators (NRECs)

5.4.1 Perform a manual callout of ERO.

6.0 PRECAUTIONS/LIMITATIONS

6.1 ADS passwords are considered confidential information.

6.2 E-Plan Pagers only are activated for emergencies declared during normal working hours and for emergency classification upgrades after the TSC and EOF are staffed.

6.3 More than one scenario may be active at any time. The ADS will only process calls for one scenario at a time. The ADS automatically processes each active scenario by order of priority.

6.4 IF a higher priority scenario is activated, THEN the ADS automatically suspends the lower priority scenario. The lower priority is automatically resumed by the ADS unless the scenario run time expires.

7.0 PROCEDURE

7.1 Off-Site Communicator

7.1.1 Normal Working Hours

1. IF an emergency is declared during normal working hours, THEN activate the E-Plan Pagers in accordance with ATTACHMENT A, E-PLAN PAGER ACTIVATION.

7.1.2 Non-Normal Working Hours

1. Initial Emergency Classification

   a. IF an initial emergency classification is declared during non-normal working hours, THEN activate the ADS in accordance with ATTACHMENT B, ADS ACTIVATION.

2. Emergency Classification Upgrade

   a. IF a Notification of Unusual Event is upgraded to an Alert, Site Area or General Emergency, THEN activate the ADS in accordance with ATTACHMENT B, ADS ACTIVATION.

   b. IF an Alert is upgraded to a Site Area or General Emergency, THEN activate the E-Plan Pagers only in accordance with ATTACHMENT A, E-PLAN PAGER ACTIVATION.

   c. IF a Site Area Emergency is upgraded to a General Emergency, THEN activate the E-Plan Pagers only in accordance with ATTACHMENT A, E-PLAN PAGER ACTIVATION.

3. ADS Suspension or Completion

   a. IF at any time the ADS is performing a callout which should be stopped, THEN suspend or complete the scenario in accordance with ATTACHMENT D, ADS CALLOUT SUSPENSION AND COMPLETION.

      1) IF the scenario was suspended, THEN resume or complete the scenario in accordance with ATTACHMENT E, ADS RESUMPTION OR COMPLETION.

7.2 Public Information Manager

7.2.1 IF additional Public Information staff are required during normal working hours, THEN make the appropriate announcement on the plant paging system.

7.2.2 IF additional Public Information Organization staff are required during non-normal working hours, THEN activate the ADS in accordance with ATTACHMENT C, PUBLIC INFORMATION ADS ACTIVATION or perform a manual callout using EPF 06-015-2, EMERGENCY CALLOUT MESSAGE.

7.2.3 IF at any time the ADS is performing a callout which should be stopped, THEN suspend or complete the scenario in accordance ATTACHMENT D, ADS CALLOUT SUSPENSION AND COMPLETION.

1. IF the scenario was suspended, THEN resume or complete the scenario in accordance with ATTACHMENT E, ADS RESUMPTION OR COMPLETION.

7.3 Computer Operator

7.3.1 Normal Working Hours

1. IF an Alert, Site Area or General Emergency is declared during normal working hours, THEN report to the Administrative Coordinator in the TSC.

7.3.2 Non-Normal Working Hours

1. IF a Notification of Unusual Event is declared, THEN perform ADS monitoring and fitness-for-duty reporting responsibilities. Do **not** report to the TSC.

   o IF the ADS fails to activate, THEN initiate a manual callout.

NOTE

The TSC Administrative Coordinator will determine the feasibility of personnel returning to the Computer Room. Prior to the Administrative Coordinator's arrival, this determination may be delegated to the TSC Facility Technician or TSC Radiological Coordinator.

2. IF an Alert is declared, THEN perform ADS monitoring and fitness-for-duty reporting responsibilities. Report to the TSC with the ADS reports as requested by the Administrative Coordinator.

   o IF the ADS fails to activate, THEN initiate a manual callout.

3. IF a Site Area Emergency is declared and the TSC and EOF have not been previously staffed, THEN perform ADS monitoring and fitness-for-duty reporting responsibilities. Report to the TSC with the ADS reports as requested by the Administrative Coordinator.

4. IF a General Emergency is declared and the TSC and EOF have not been previously staffed, THEN monitor the ADS for approximately 10 minutes before reporting to the TSC taking all available reports.

   a. IF the ADS fails, THEN immediately report to the TSC and initiate a manual callout.

7.3.3 ADS Monitoring and Fitness-For-Duty Reporting

1. At the ADS console, access the ADS Status Screen: **Press Right-Control and 2 (on the number pad)**. The screen should show various multiple callout logic commands on the screen. Use the Page Up and Page Down keys to scroll up and down to view all lines.

2. IF the ADS Status Screen shows various callout logic commands, THEN consider the ADS activated.

   a. IF the ADS Status Screen does not indicate that calls are being made or received, THEN consider the ADS down and continue with Step 7.3.4, ADS FAILURE AND MANUAL CALLOUT.

b. Verify the scenario number and scenario mode (emergency, test or drill) on the ADS Report are the same as the information provided by the Off-Site Communicator or Public Information Manager.

c. IF a discrepancy exists, THEN contact the appropriate individual as follows:

- o Off-Site Communicator, Ext. #4830
- o Public Information Manager, Ext. #5431 (Wolf Creek)
- o Public Information Manager, (785) 267-0651 (Topeka)

3. Verify that the ADS printer is on-line. The reports should begin printing at startup and continue periodically until callout completion.

4. Provide Security (Ext. #4999) with the "Call Response Report" OR via the telephone provide the name and ACAD numbers of responding personnel who will require fitness-for-duty testing.

a. IF the Computer Operator can not provide fitness-for-duty testing information to Security in a timely manner, THEN Security will dispatch an officer to the Computer Room to pick up the "Call Response Report."

b. For an Alert or higher classification, WHEN the TSC Administrative Coordinator arrives (Ext. #5375), provide the "Call Response Report" and any other available information.

7.3.4 ADS Failure and Manual Callout

1. IF the ADS fails to activate or fails to complete a callout which was initiated by the Off-Site Communicator, THEN perform the following:

a. Ensure the positions of NREC-1, NREC-2, NREC-3 and NREC-4 are staffed for manual callout by performing the following:

- o IF the "Call Response Report" is available, THEN call the NRECs listed. The report will indicate which NREC position each person filled and a telephone number where they can be reached.

- o IF the "Call Response Report" is not available, THEN page the on-call NRECs at the following pager numbers indicating a call-back number:

  (785) 575-3478
  (785) 575-4267
  (785) 575-4505
  (785) 575-7380

- o IF the NRECs do not respond after being paged, THEN call the telephone numbers listed for NRECs found in RETD Section III, EMERGENCY RESPONSE ORGANIZATION DUTY ROSTER.

b. Obtain the name, telephone number and pager number (if applicable) of each individual filling an NREC position for future reference.

- o All four NREC positions must be filled. IF four NRECs are not available, THEN instruct one of the responding NRECs to fill the open position.

c. Provide the NRECs with the following information:

- o This is a drill or actual emergency
- o Perform a manual callout of the Emergency Response Organization (ERO)
- o Reason for manual callout (e.g. ADS failed)
- o NREC position they are accepting
- o Emergency classification
- o Time of classification (if available)
- o Other applicable information which would enhance or clarify the callout process

d. Notify the Shift Manager at Ext. #4800 that the ADS failed and the NRECs are performing a manual callout.

e. Ensure applicable information regarding manual callout is recorded in the Computer Operator's log.

2. IF the callout was initiated for Public Information Organization staffing, THEN notify the Public Information Manager at Ext. #5431 (Wolf Creek) or (785) 267-0651 (Topeka) that a manual callout is necessary.

   a. Ensure the time the Public Information Manager was contacted is recorded in the Computer Operator's log.

7.4 Non-Responding Emergency Communicators (NRECs)

7.4.1 Normal Working Hours

1. NRECs have no callout responsibilities during this time period.

NOTE

Follow all directions provided by the Computer Operator including responsibilities outside of the scope of the procedure.

7.4.2 Non-Normal Working Hours

1. IF an emergency is declared during non-normal working hours, THEN call into the ADS.

   a. IF the ADS answers, THEN leave a telephone number where you can be reached for the next two hours. The ADS will assign you as NREC-1, NREC-2, NREC-3 or NREC-4.

   b. IF the ADS fails to answer, THEN call the Computer Operator at (316) 364-8831, Ext. #4773 or Ext. #4774. Provide a telephone number where you can be reached for the next two hours.

      1) IF the Computer Operator does not answer, THEN page the Computer Operator at (785) 575-7507.

7.4.3 NREC Callout - Notification of Unusual Event

1. IF instructed by the Computer Operator to perform a manual callout, THEN obtain EPF 06-015-01, EMERGENCY RESPONSE ORGANIZATION MANUAL CALLOUT LOG, and EPF 06-015-02, EMERGENCY CALLOUT MESSAGE before making calls.

2. Perform callout as follows referring to Radiological Emergency TELEPHONE DIRECTORY (RETD), Section III, EMERGENCY RESPONSE ORGANIZATION DUTY ROSTER and RETD Section IV, EMERGENCY RESPONSE ORGANIZATION CALLOUT:

   - o NREC-1: All NREC 1, NUE positions (N1, NUE)
   - o NREC-2 is on Standby
   - o NREC-3 is on Standby
   - o NREC-4 is on Standby

3. Report current callout results to each person called out (e.g., the third person called should be told the names of the first two people filling their positions).

7.4.4 NREC Callout - Alert, Site Area or General Emergency

1. IF instructed by the Computer Operator to perform a manual callout, THEN obtain EPF 06-015-01, EMERGENCY RESPONSE ORGANIZATION MANUAL CALLOUT LOG, and EPF 06-015-02, EMERGENCY CALLOUT MESSAGE before making calls.

2. Perform callout as follows referring to Radiological Emergency TELEPHONE DIRECTORY (RETD), Section III, EMERGENCY RESPONSE ORGANIZATION DUTY ROSTER and RETD Section IV, EMERGENCY RESPONSE ORGANIZATION CALLOUT:

   - o NREC 1: All NREC 1 positions, Lists 1 and 2
   - o NREC 2: All NREC 2 positions, Lists 1 and 2
   - o NREC 3: All NREC 3 positions, Lists 1 and 2
   - o NREC 4: All NREC 4 positions, Lists 1 and 2

3. Attempt to fill all ERO positions with the required number of people by calling through each list up to three times.

   - o Emphasize filling positions from List 1 before List 2.

4. Contact the TSC Administrative Coordinator at (316) 364-8831, Ext. #5375 and indicate which NREC lists you have contacted and applicable information for responding personnel only.

   a. Leave a number where you can be reached if additional assistance is required.

8.0 INITIAL ACTIONS

8.1 None

9.0 SUBSEQUENT ACTIONS

9.1 None

10.0 RECORDS

10.1 Records generated by this procedure during an actual emergency are considered lifetime QA records and shall be forwarded to Emergency Planning at the termination of the emergency.

10.2 Records generated by this procedure during drills or exercises are considered non-QA records and shall be forwarded to Emergency Planning at the termination of the drill or exercise.

11.0 FORMS

11.1 EPF 06-015-01, EMERGENCY RESPONSE ORGANIZATION MANUAL CALLOUT LOG

11.2 EPF 06-015-02, EMERGENCY CALLOUT MESSAGE

- END -

ATTACHMENT A
E-PLAN PAGER ACTIVATION
(PAGE 1 OF 1)

A.1 Ensure E-PLAN Pager is turned "On" to verify activation.

A.2 Proceed to Block A or Block B to activate Wolf Creek E-Plan Pagers.

Block A
(Topeka Tower)

a. Dial **9** (for outside line)
b. Dial **1 (785) 575-5625**
c. Upon hearing a tone, Dial **9911**

OR

Block B
(Emporia Tower)

a. Dial **9** (for outside line)
b. Dial **1 (316) 341-8106**
c. Dial Pager ID # **9911**

A.3 When prompted, ENTER the event code followed by the pound (#) sign:

ACTUAL EMERGENCY	TEST	DRILL
NUE 11111	NUE 66666	NUE 66666
ALERT 22222	ALERT 77777	ALERT 77777
SAE 33333	SAE 88888	SAE 88888
GE 44444	GE 99999	GE 99999

A.4 IF the incorrect event code is displayed or the pagers do not activate, THEN activate the E-Plan Pagers again.

A.5 Notify the Shift Manager of the pager activation status.

A.6 Ensure pager activation time and event code are recorded in the Off-Site Communicator's log or Shift Manager's log.

- END -

ATTACHMENT B
ADS ACTIVATION
(PAGE 1 OF 3)

NOTE

The ADS is not normally activated between 0730 and 1530 hours, except for weekends, holidays, the Company alternate Mondays off and other Company-observed time off.

B.1 Ensure E-PLAN Pager is turned "On" to verify activation.

B.2 Using the telephone, call the ADS. Dial: **9-364-8031 or 9-1-800-944-3756**

B.3 ADS Activation

B.3.1 IF the ADS answers, THEN enter your password during the "HELLO" segment AND proceed to Step B.4.

B.3.2 IF the ADS fails to answer, THEN perform the following:

1. Attempt to activate the ADS again.

2. IF the ADS continues to fail, THEN perform the following:

   a. Contact the Computer Operator (Ext. #4773 or Pager # (785) 757-7507 to initiate a manual callout of the ERO.

      o Provide the emergency classification and any other applicable information which would enhance the callout process.

   b. Activate the E-Plan Pagers in accordance with ATTACHMENT A, E-PLAN PAGER ACTIVATION.

ATTACHMENT B
ADS ACTIVATION
(PAGE 2 OF 3)

CAUTION

An Event Code must be entered or the pagers will activate with a dash (-).

B.4 Activate the ADS by following the prompts given by the ADS.

B.4.1 Scenario Number Options

EMERGENCY CLASSIFICATION	
INITIAL	**SCENARIO NUMBER**
Notification of Unusual Event (NUE)	060
Alert	070
Site Area Emergency	080
General Emergency	090
UPGRADE	**SCENARIO NUMBER**
Alert	070
Site Area Emergency (directly from an NUE)	080
General Emergency (directly from an NUE)	090

B.4.2 Event Code Options

ACTUAL EMERGENCY	TEST	DRILL
NUE 11111	NUE 66666	NUE 66666
ALERT 22222	ALERT 77777	ALERT 77777
SAE 33333	SAE 88888	SAE 88888
GE 44444	GE 99999	GE 99999

B.5 Stay on the line until the ADS states: "Thank You, Goodbye"

B.6 IF the incorrect event code is displayed or the pagers do not activate, THEN activate the E-Plan Pagers again.

ATTACHMENT B
ADS ACTIVATION
(PAGE 3 OF 3)

B.8 Notify the Shift Manager of the ADS activation status.

B.9 Provide the Computer Operator (Ext. #4773 or Pager #(785) 575-7507 with the scenario number, scenario mode, emergency classification and activation time.

B.10 Ensure the scenario number, scenario mode, and event code are recorded in the Off-Site Communicator's log or Shift Manager's log.

- END -

ATTACHMENT C
PUBLIC INFORMATION ACTIVATION
(PAGE 1 OF 2)

NOTE

The ADS is not normally activated between 0730 and 1530 hours, except for weekends, holidays, the Company alternate Mondays off and other Company-observed time off.

C.1 Using the telephone, call the ADS. Dial: **9-364-8031 or 9-1-800-944-3756**

C.2 ADS Activation

C.2.1 IF the ADS answers, THEN enter your password during the "HELLO" segment AND proceed to Step C.3.

C.2.2 IF the ADS fails to answer, THEN perform the following as applicable:

1. Initiate a manual callout of additional Public Information Organization staff in accordance RETD Section III, EMERGENCY RESPONSE ORGANIZATION DUTY ROSTER and RETD Section IV, EMERGENCY RESPONSE ORGANIZATION CALLOUT.

   a. Callout those positions indicated on the "Public Information Staffing List" in RETD Section IV using EPF 06-015-02, EMERGENCY CALLOUT MESSAGE.

   b. Record applicable manual callout information in your log or on EPF 06-015-01, EMERGENCY RESPONSE ORGANIZATION MANUAL CALLOUT LOG if desired.

      1) IF responding personnel indicate they have consumed alcohol, THEN inform the Public Information Manager of those individuals who will require fitness-for-duty testing upon arrival.

ATTACHMENT C
PUBLIC INFORMATION ACTIVATION
(PAGE 2 OF 2)

C.3 Activate the ADS by following the prompts given by the ADS.

C.3.1 Enter the scenario number you want to work with:

Public Information	
EVENT	**SCENARIO NUMBER**
Phone Team/Information Messenger--Eisenhower Learning Center	010
All Public Information --Topeka	015
Media Centers-- Eisenhower Learning Center Kansas City General Office	020
All Public Information --Eisenhower Learning Center	025

C.4 Stay on the line until the ADS states: "Thank You, Goodbye"

C.5 Contact the Computer Operator (Ext. #4773 or Pager # (785) 575-7507 and provide the scenario number and scenario mode (emergency, test or drill) activated.

C.6 Ensure the scenario number and scenario mode activated are recorded in the Public Information Manager's log.

- END -

ATTACHMENT D
ADS CALLOUT SUSPENSION AND COMPLETION
(PAGE 1 OF 2)

D.1 Using the telephone, call the ADS. Dial: **9-364-8031 or 9-1-800-944-3756**

D.2 WHEN the ADS answers, THEN enter your password during the "HELLO" segment.

D.3 Suspend or Complete a scenario by following the prompts given by the ADS:

D.3.1 Enter the scenario number you want to work with:

EMERGENCY CLASSIFICATION	
INITIAL	**SCENARIO NUMBER**
Notification of Unusual Event (NUE)	060
Alert	070
Site Area Emergency	080
General Emergency	090
UPGRADE	**SCENARIO NUMBER**
Alert	070
Site Area Emergency (directly from an NUE)	080
General Emergency (directly from an NUE)	090

Public Information	
EVENT	**SCENARIO NUMBER**
Phone Team/Information Messenger--Eisenhower Learning Center	010
All Public Information --Topeka	015
Media Centers-- Eisenhower Learning Center Kansas City General Office	020
All Public Information --Eisenhower Learning Center	025

ATTACHMENT D
ADS CALLOUT SUSPENSION AND COMPLETION
(PAGE 2 OF 2)

D.4 IF the scenario is allowed to continue the callout, THEN stay on the line until the ADS states: "Thank You, Goodbye."

D.5 IF the ADS is completed or suspended, THEN follow the prompts to stop the scenario monitor or to hear the scenario status. Stay on the line until the ADS states: "Thank You, Goodbye."

D.6 Ensure the scenario number and time of suspension or completion are recorded in the appropriate log.

- END -

ATTACHMENT E
ADS RESUMPTION OR COMPLETION
(PAGE 1 OF 2)

E.1 Using the telephone, call the ADS. Dial: **9-364-8031 or 9-1-800-944-3756**

E.2 WHEN the ADS answers, THEN enter your password during the "HELLO" segment.

E.3 Resume or Complete a scenario by following the prompts given by the ADS:

E.3.1 Enter the scenario number you want to work with:

EMERGENCY CLASSIFICATION	
INITIAL	**SCENARIO NUMBER**
Notification of Unusual Event (NUE)	060
Alert	070
Site Area Emergency	080
General Emergency	090
UPGRADE	**SCENARIO NUMBER**
Alert	070
Site Area Emergency (directly from an NUE)	080
General Emergency (directly from an NUE)	090

Public Information	
EVENT	**SCENARIO NUMBER**
Phone Team/Information Messenger--Eisenhower Learning Center	010
All Public Information --Topeka	015
Media Centers-- Eisenhower Learning Center Kansas City General Office	020
All Public Information --Eisenhower Learning Center	025

ATTACHMENT E
ADS RESUMPTION OR COMPLETION
(PAGE 2 OF 2)

E.4 IF the scenario is not resumed or completed, THEN stay on the line until the ADS states: "Thank You, Goodbye." (The selected scenario will remain suspended.)

E.5 IF the ADS is completed or suspended, THEN follow the prompts to stop the scenario monitor or to hear the scenario status. Stay on the line until the ADS states: "Thank You, Goodbye."

E.6 Ensure the scenario number and time of suspension or completion are recorded in the appropriate log.

- END -

CC
01/12/2000

WOLF CREEK
NUCLEAR OPERATING CORPORATION

EPP 06-018

MAINTENANCE OF EMERGENCY FACILITIES AND COMMUNICATION CHECKS

Responsible Manager

Manager Resource Protection

Revision Number	00
Use Category	Reference
Administrative Controls Procedure	No
Infrequently Performed Procedure	No
Program Number	6

DC2 06/23/99

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides guidance for maintaining emergency provisions required during a radiological emergency at the Wolf Creek Generating Station (WCGS).

1.2 This procedure provides guidance for the use of Emergency Planning Vehicles.

2.0 SCOPE

2.1 This procedure applies to the Superintendent Emergency Planning and personnel assigned the responsibility of assuring the availability and operability of emergency equipment, communication systems and emergency supplies.

2.2 This procedure does not apply to alert and notification sirens. The availability and operability of sirens is maintained in accordance with EPP 02-1.8, TESTING AND MAINTENANCE OF ALERT AND NOTIFICATION SYSTEM SIRENS.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 10 CFR 50, Appendix E, Emergency Planning and Preparedness for Production and Utilization Facilities

3.1.2 EPP 06-002, TECHNICAL SUPPORT CENTER OPERATIONS

3.1.3 PIR 95-2712, Multiple Hardware Problems in the IC/MRC during a E-Plan Drill

3.1.4 Radiological Emergency Telephone Directory (RETD)

3.1.5 STN OQT-001A, OPERATIONS "A" TRAIN QUARTERLY TASKS

3.1.6 STN OQT-001B, OPERATIONS "B" TRAIN QUARTERLY TASKS

3.1.7 STN SD-001, AREA RADIATION MONITOR CHANNEL RESPONSE TEST

3.1.8 AP 06-002, RADIOLOGICAL EMERGENCY RESPONSE PLAN (RERP)

3.2 Commitments

3.2.1 NRC Commitment 90-015, State Forward Staging Area Communication Checks

3.2.2 NRC Commitment 91-144, Period Inspection on Airlock Door Seals in Emergency Facilities

3.2.3 NRC Commitment 91-152, Emergency Response Data System (ERDS) Implementation Program

3.2.4 PIR TE 93-0020, Annual Communication Checks Not Completed in a Timely Manner for 1992

4.0 DEFINITIONS

4.1 Emergency Equipment

4.1.1 Radiological equipment dedicated for emergency response use. This does not include equipment used during normal work activities such as computers, copiers, fax machines, video cameras, etc.

4.2 Emergency Facilities

4.2.1 In this procedure, Emergency Facilities means the Emergency Operations Facility (EOF), Technical Support Center (TSC), Control Room (CR), Primary Access Control Station (PACS), KCPL General Office (GO), Information Clearinghouse (IC), and Media Center (MC).

4.3 Emergency Supplies

4.3.1 Supplies dedicated for use during a radiological emergency. Examples include such items as protective clothing, radiological monitoring supplies, emergency food and water, and decontamination kit. This does not include administrative supplies and controlled documents which may be used during normal work activities.

5.0 RESPONSIBILITIES

5.1 Superintendent Emergency Planning

5.1.1 Ensures that the emergency facilities are properly maintained and that adequate communications are maintained to the State and County Emergency Operations Centers (EOCs) and the State Forward Staging Area (SFSA).

5.1.2 Ensures equipment and supplies necessary to support the off-site medical facilities are available and missing or non-conforming emergency equipment is replaced.

5.1.3 Ensures inventory and communication checklists are maintained current.

5.1.4 Approves the results of inventories and communication checks and ensures off-site agencies are notified when off-site communication problems are identified.

5.1.5 Authorizes the use of radiological emergency equipment and supplies outside of training, drills and exercises.

5.1.6 Authorizes the use E-Plan Vehicles for non-emergency use beyond a 20-mile radius of WCGS.

5.2 Manager Operations

5.2.1 Ensures the Airborne Radio-Iodine Monitors, Area Radiation Monitors and Air Lock Door Seals are properly checked and maintained in the TSC and EOF.

5.3 Medical Specialist - P.A

5.3.1 Ensures first aid and medical kits located in Emergency Planning facilities and vehicles are restocked and inventoried when the seal has been broken and at least annually.

5.4 Superintendent Security

5.4.1 Ensures that reserve sets of keys are maintained at PACS for the emergency facilities and are logged when checked out.

5.5 Manager Information Services

5.5.1 Ensures telephone tone generators are supplied to those Emergency Response Organization (ERO) personnel who are contacted by the Automated Dialing System (ADS), who do not have tone generating phones or tone compatible telephone systems. Provides for the replacement of the tone generators, servicing and batteries, as needed.

5.5.2 Ensures pagers are distributed to Emergency Response Organization (ERO) personnel. Provides for the replacement of pagers, servicing and batteries, as needed.

5.6 Assigned Personnel

5.6.1 Perform inventories and checks of emergency equipment and supplies.

5.6.2 Perform communication checks.

5.6.3 Document results of inventories and checks on the appropriate checklist or in accordance with STN OQT-001A, OPERATIONS "A" TRAIN QUARTERLY TASKS; STN OQT-001B, OPERATIONS "B' TRAIN QUARTERLY TASKS; or STN SD-001, AREA RADIATION MONITOR CHANNEL RESPONSE TEST.

5.6.4 Forward completed checklists to Emergency Planning for review and approval.

5.6.5 Forward unsatisfactory results generated in accordance with STN OQT-001A, OPERATIONS "A" TRAIN QUARTERLY TASKS; STN OQT-001B, OPERATIONS "B" TRAIN QUARTERLY TASKS; or STN SD-001, AREA RADIATION MONITOR CHANNEL RESPONSE TEST which affect the functionality of a facility to Emergency Planning.

5.7 Shift Manager

5.7.1 Authorize the use of radiological emergency equipment and supplies outside of training, drills and exercises under extraordinary circumstances.

5.7.2 Authorizes the use of E-Plan Vehicles for non-emergency use beyond a 20-mile radius of WCGS under extraordinary circumstances.

6.0 PRECAUTIONS/LIMITATIONS

6.1 Emergency response equipment is not used until a declared emergency classification except for training, drills and exercises. Non-emergency use may be authorized on an as-needed basis by the Shift Manager or Superintendent Emergency Planning. Emergency Planning should be advised if such use is authorized by the Shift Manager.

6.2 Use of Emergency Plan Vehicles for non-emergency use beyond a 20-mile radius of WCGS must be authorized by the Shift Manager or Superintendent Emergency Planning. Emergency Planning should be advised if such use is authorized by the Shift Manager.

7.0 PROCEDURE

7.1 Emergency Equipment and Supplies

7.1.1 First Aid Kits And Medical Response Kit

1. The Medical Response Kit stored in the TSC and First Aid Kits stored in Emergency Plan Vehicles, the CR, TSC and EOF are inventoried and restocked by WCNOC Health Services annually.

   - The inventories are documented by Health Services. A copy is placed in the kit and sealed.

2. The Medical Response and First Aid Kits' seals are checked quarterly and noted on the appropriate checklist.

3. Kits found with a broken seal should be inventoried, restocked, and resealed by Health Services by the end of the next business day.

7.1.2 Emergency Facilities

1. Emergency provisions are maintained for the following locations:

   - Control Room (CR)
   - Technical Support Center (TSC)
   - Emergency Operations Facility (EOF)
   - Primary Access Control Station (PACS)
   - KCPL General Office (GO)
   - Information Clearinghouse (IC)-Wolf Creek
   - Information Clearinghouse (IC)-Topeka
   - Media Center (MC)-Wolf Creek
   - Media Center (MC)-Topeka
   - Phone Team-Wolf Creek
   - Phone Team-Topeka
   - Off-site Medical - Primary
   - Off-site Medical - Backup

2. Emergency equipment and supplies are inventoried/checked after each use. As a minimum, inventories/checks are performed quarterly, except off-site medical facility inventories which are completed semi-annually. Inventories completed after use satisfy the inventory requirement for that period. Checklists associated with these inventories are listed in the Section 11.0, FORMS.

   a. Emergency equipment and supplies are verified and documented as specified on the appropriate checklist.

      1) Emergency supplies not meeting minimum requirements are restocked to minimum levels or otherwise resolved on the appropriate checklist.

         a) Supplies such as pens, pencils, paper clips, toner, tape, etc. are administrative in nature and have no minimum quantity requirement. Administrative supplies below the suggested quantity are not considered a discrepancy as they are readily available from the warehouse or other locations.

      2) Portable radiological monitoring equipment and respiratory protection equipment are required to have a current calibration or inspection tag. IF a current calibration or inspection tag is not present or equipment is missing, THEN contact Health Physics for assistance in correcting the non-conformance.

         a) Non-conforming or missing emergency equipment (e.g. overdue calibration, defective) noted during the inventory should be replaced within 24 hours. This time may be extended by the Superintendent Emergency Planning as appropriate.

   b. Non-rechargeable batteries which do not bear a manufacturer's "Best used by" date are replaced annually. Batteries with a manufacturer's "Best used by" date should be replaced prior to the recommended use date but no later than the end of the quarterly inventory period.

c. Non-rechargeable batteries found inoperable, showing signs of leakage, corrosion, or similar deterioration are replaced.

d. Non-rechargeable batteries which draw a constant charge (e.g., IC Speakerphone in Topeka) should be replaced quarterly. [3.1.3]

e. Rechargeable batteries are checked when cabinets are inventoried. Those with a low charge indication are charged. Rechargeable batteries found inoperable, showing signs of leakage, corrosion, or similar deterioration are replaced.

7.1.3 Decontamination Kits

1. Decontamination Kits are located in the TSC and EOF.

2. The contents of Decontamination Kits are inventoried and restocked annually. The inventory is documented, a copy of the inventory placed inside the kit, and sealed. During quarterly inventories, the seal is checked and noted on the inventory checklist. IF kits are found with a broken seal, THEN they are inventoried, restocked, and re-sealed by the end of the next business day.

7.1.4 Off-Site Monitoring Team Kits

1. Off-site Monitoring Team Kits (Kits) are stored at the EOF. The Kits are inventoried and restocked each calendar quarter and after each use. Inventories completed after use satisfy the inventory requirement for that period.

2. Truck Boxes are stored in the EOF and in the Emergency Plan Vehicles. They are inventoried and restocked each calendar quarter and after each use. Inventories completed after use satisfy the inventory requirement for that period.

7.1.5 Airborne Radio-Iodine Monitors

1. Airborne Radio-Iodine Monitors located in the TSC and EOF are to be functionally checked quarterly in accordance STN OQT-001A, OPERATIONS "A" TRAIN QUARTERLY TASKS and STN OQT-001B, OPERATIONS "B" TRAIN QUARTERLY TASKS, respectively. Unsatisfactory checks are reported to Emergency Planning.

7.1.6 Air Lock Door Seal Inspection

1. The seal integrity of the Air Lock doors in the TSC and EOF are verified on a quarterly basis in accordance with STN OQT-001A, OPERATIONS "A" TRAIN QUARTERLY TASKS and STN OQT-001B, OPERATIONS "B" TRAIN QUARTERLY TASKS, respectively. Unsatisfactory checks are reported to Emergency Planning. [3.2.2]

7.1.7 Area Radiation Monitors

1. Area Radiation Monitors located in the TSC and EOF are functionally checked quarterly in accordance with STN SD-001, AREA RADIATION MONITOR CHANNEL RESPONSE TEST. Unsatisfactory checks are reported to Emergency Planning.

7.2 Communication Checks

7.2.1 Completion of communication checks are performed as noted below and documented on the appropriate checklist.

1. Communications with the NRC Headquarters, State of Kansas and Coffey County are tested monthly.

2. Communications with off-site field teams are tested annually.

3. Communication checks within the CR, TSC, EOF and IC/MC are performed quarterly.

4. Communication checks at the State Forward Staging Area are performed quarterly. [3.2.1]

5. Communication checks with the Emergency Plan Vehicles are checked quarterly. [3.2.4]

7.2.2 NRC FTS 2000 System

1. IF the NRC FTS 2000 System fails, THEN inform the NRC Operations Center over normal commercial telephone systems by calling the number listed in Section II, OFFSITE SUPPORT, of the Radiological Emergency Telephone Directory (RETD).

2. At the time the failure is reported, WCGS should be prepared to supply the following information to expedite repair:

   a. Name of contact at location of failure

   b. Commercial phone number of contact

   c. Location of contact (i.e., street address, building number, room number, etc.)

   d. Any other information that would expedite repair

3. Notify the NRC when service has been restored to the malfunctioning system.

7.2.3 State of Kansas/Coffey County

1. When a communication failure with the State of Kansas or Coffey County occurs:

   a. Notify Emergency Planning

   b. Identify the problem and apparent cause, initiate corrective action and document on the appropriate checklist

   d. Notify the appropriate agencies when service has been restored

7.2.4 Emergency Response Data System (ERDS)

1. The Emergency Response Data System (ERDS) line is checked quarterly in accordance with EPF 06-018-15, EMERGENCY PLANNING QUARTERLY COMMUNICATIONS CHECKLIST. [3.2.3]

7.2.5 IF any of the communication checks cannot be completed, THEN testing personnel should initiate corrective actions and ensure Emergency Planning and Information Services are informed of the problem.

7.3 Code Word

7.3.1. The off-site emergency code word locations are noted on the appropriate checklist.

7.3.2 The date on the code word envelopes is verified monthly and documented on the appropriate checklist.

7.3.3 The code word envelopes are inspected monthly to ensure they are sealed. IF a seal is broken, THEN contact Document Services to issue a new code word and notify Emergency Planning as soon as practical.

7.4 Pre-Designated Monitoring Point Markers

7.4.1. Pre-Designated Monitoring Point (PMP) markers are checked for proper identification and placement on an annual basis as designated on the appropriate checklist.

7.5 Inventory and Communication Check Sign-off

7.5.1 Inventory and communication checklists are signed and dated by the individual responsible for the completion of the checklist and submitted to Emergency Planning for review.

- For inventory checklists, the responsible individual should provide information which would be helpful in resolving inventory discrepancies and other applicable information.
- For communication checks, the responsible individual should indicate actions taken to initiate applicable repairs necessary and other applicable information.

7.5.2 Emergency Planning personnel review inventory and communication checklists for completeness.

- For inventory checklists, Emergency Planning personnel ensure items are restocked or otherwise resolved.
- For communication checklists, Emergency Planning personnel ensure communication repairs noted are complete or otherwise resolved.
- IF the checklist is incomplete, THEN the checklist is returned to the responsible individual for additional action or otherwise resolved.

7.5.3 Upon review completion, the checklists are signed and dated by the responsible Emergency Planning individual and are submitted to the Superintendent Emergency Planning for approval.

7.5.4 The Superintendent Emergency Planning reviews each checklist for appropriate resolution and approves each checklist for the inventory or communication period.

- IF resolution is incomplete, THEN the checklist is returned to the reviewer for additional action.

7.6 E-Plan Pagers

7.6.1 ERO personnel requiring an E-Plan pager should contact Information Services or Emergency Planning for assistance.

7.6.2 Information Services issues and provides instructions on the use and maintenance of the E-Plan pager.

7.7 Telephone Tone Generators

7.7.1 ERO personnel requiring telephone tone generators contact Information Services or Emergency Planning for assistance.

7.7.2 Information Services issues and provides instructions on the use and maintenance of the telephone tone generators.

7.8 Emergency Plan Vehicle Use

7.8.1 Emergency Plan Vehicles may be used routinely in accordance with the provisions of this procedure for both onsite and off-site purposes. Non-emergency use of these vehicles is limited to within a 20-mile radius of WCGS unless documented permission is obtained from the Superintendent Emergency Planning or Shift Manager.

7.8.2 An E-Plan pager is required at all times when checking out an Emergency Plan Vehicle for non-emergency use.

1. Prior to leaving the parking lot, turn on the pager and ensure it is functioning properly by listening for a series of beeps or indication of vibration.

   a. Contact Emergency Planning or Information Services personnel for assistance if the pager does not function as expected and you cannot correct the problem.

2. IF the pager activates with emergency or drill codes, THEN immediately return the vehicle to its normal parking space.

NOTE

The E-Plan pager is the primary method for notifying individuals to return the vehicle to its normal parking space for drill or emergency use. An inoperable vehicle radio does not exclude the vehicle from use, but repairs should be initiated as soon as practical.

7.8.3 WHEN the vehicle is in use, THEN the vehicle's radio remain on so the driver can monitor the radio for instructions regarding the return of the vehicle.

1. IF the radio is operable, THEN perform an operability check of the vehicle radio prior to leaving the parking lot.

2. IF the radio is inoperable, THEN contact the Information Services Help Desk to initiate repairs.

7.8.4 IF the vehicle is left unattended, THEN the driver ensures the vehicle is locked and takes the keys and pager with them.

7.8.5 IF the vehicle's fuel gauge indicates the fuel tank is one-half full or less, THEN refuel the vehicle prior to returning it to its normal parking space.

8.0 INITIAL ACTIONS

8.1 None

9.0 SUBSEQUENT ACTIONS

9.1 None

10.0 RECORDS

10.1 The checklists generated by this procedure are non-QA records and are retained in Emergency Planning's files for two years.

11.0 FORMS

11.1 EPF 06-018-01, INFORMATION CLEARINGHOUSE INVENTORY CHECKLIST

11.2 EPF 06-018-02, MEDIA CENTER INVENTORY CHECKLIST

11.3 EPF 06-018-03, MEDIA MONITORING INVENTORY AND COMMUNICATIONS CHECKLIST

11.4 EPF 06-018-04, OFFSITE MEDICAL EMERGENCY SUPPLIES INVENTORY CHECKLIST

11.5 EPF 06-018-05, CONTROL ROOM INVENTORY CHECKLIST

11.6 EPF 06-018-06, EMERGENCY PLANNING MONTHLY COMMUNICATIONS CHECKLIST

11.7 EPF 06-018-07, PRIMARY ACCESS CONTROL STATION INVENTORY CHECKLIST

11.8 EPF 06-018-08, AMBULANCE RADIOLOGICAL EMERGENCY KIT INVENTORY CHECKLIST

11.9 EPF 06-048-09, OFFSITE MONITORING INVENTORY CHECKLIST

11.10 EPF 06-018-10, PHONE TEAM INVENTORY CHECKLIST

11.11 EPF 06-018-11, TECHNICAL SUPPORT CENTER INVENTORY CHECKLIST

11.12 EPF 06-018-12, EMERGENCY OPERATIONS FACILITY INVENTORY CHECKLIST

11.13 EPF 06-018-13, ANNUAL PMP CHECKS

11.14 EPF 06-018-14, EMERGENCY PLANNING ANNUAL COMMUNICATIONS CHECKLIST

11.15 EPF 06-018-15, EMERGENCY PLANNING QUARTERLY COMMUNICATIONS CHECKLIST

- END -

CC
01/12/2000

WOLF CREEK
NUCLEAR OPERATING CORPORATION

EPP 06-019

ALERT AND NOTIFICATION SYSTEM SIRENS

Responsible Manager

Manager Resource Protection

Revision Number	0
Use Category	Reference
Administrative Controls Procedure	No
Infrequently Performed Procedure	No
Program Number	06

DC44 8/11/1999

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides instruction for the testing and maintenance of the Alert and Notification System sirens.

2.0 SCOPE

2.1 This procedure applies to all WCGS Alert and Notification System Sirens. Emergency Planning shall initiate the appropriate documents to implement siren maintenance. Siren maintenance shall be performed on an annual basis.

2.2 This procedure applies to Emergency Planning and Information Services for testing of the Alert and Notification System Sirens.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 AP 26A-001, INSTRUCTIONS FOR EVALUATING, REPORTING, AND DOCUMENTING POTENTIALLY REPORTABLE EVENTS

3.1.2 MGE EOOP-05, INSULATION RESISTANCE TESTING

3.1.3 Federal Signal Corporation Radio-Controlled Public Notification System Service Manual.

3.1.4 Alerting Communicators of America Installations, Operations, Maintenance and Parts Manual.

3.1.5 Coffey County Contingency Plan Implementing Procedure No. 42, SIREN MAINTENANCE

3.1.6 10 CFR 50, CODE OF FEDERAL REGULATIONS

3.2 Commitments

3.2.1 None

4.0 DEFINITIONS

4.1 Growl Test

4.1.1 Verifies proper operation of each siren by activating the siren motor long enough to attain sufficient speed to produce a growl sound.

4.2 Silent Test

4.2.1 Verifies operation of the radio control activating equipment without operating the siren motors.

4.3 Biweekly Test

4.3.1 Test performed once every two weeks.

4.4 Annual Full Cycle Test

4.4.1 Test in which Coffey County Sheriff's Department will activate all sirens in unison while personnel located near each siren verifies each siren functions, sounds and rotates, properly.

5.0 RESPONSIBILITIES

5.1 Coffey County Emergency Preparedness Coordinator (EPC)

5.1.1 For coordinating the siren testing schedule with the Coffey County Sheriff's Department. Adverse weather may affect the schedule.

5.1.2 For notifying the public of siren test schedules.

5.2 Coffey County Sheriff's Department

5.2.1 For performing the functions of the County EPC when the EPC can not be contacted.

5.2.2 To assist in biweekly testing of the sirens, when available, by activating the sirens individually at the request of Information Services.

5.3 Emergency Planning

5.3.1 For coordinating the siren testing schedule with the Coffey County Emergency Preparedness Coordinator (EPC). Adverse weather may affect the schedule.

5.4 Information Services

5.4.1 Responsible for assisting in the performance of siren testing.

5.4.2 Responsible for notifying the Superintendent Emergency Planning, or his designee, of any sirens which fail routine testing.

5.4.3 Responsible for performing siren maintenance.

6.0 PRECAUTIONS/LIMITATIONS

6.1 The loss of three or more sirens is a condition that is reportable to the NRC.

7.0 PROCEDURE

7.1 Siren Testing

7.1.1 Information Services shall perform a test of each siren. WHEN performing siren tests, THEN obtain the following documents:

- o Eleven copies of EPF 06-019-01, ANS SIREN ANNUAL MAINTENANCE
- o One copy of EPF 06-019-02, ANS SIREN TEST REPORT
- o A copy of the Federal Signal Corporation Radio-Controlled Public Notification System Service Manual for 1000 and 1003 Thunderbolt sirens
- o A copy of the Alerting Communicators of America Installations, Operations, Maintenance and Parts Manual for Penetrator 50 siren
- o Proair CR 29 Instruction Manual 10-1008-121
- o Federal Signal Corporation, FL Series Siren Controller Manual, 255294

7.1.2 The sirens are growl tested, silent tested, or full cycle tested.

1. The full cycle test requires activation of all sirens in unison once each year.
2. The sirens are growl tested at least once per month.
3. The sirens are silent tested every two weeks, except when growl tested.
   a. Attachment A, SIRENS, lists the siren identifier, location and approximate test time in the order which they are growl or silent tested.

7.1.3 Upon arrival at the siren, contact the Coffey County Sheriff's Dispatcher by radio or cell phone and request a growl test of the siren.

1. IF the Dispatcher is unable to perform the test, THEN go to step 7.1.4.

7.1.4 A portable radio transmitter may be used to activate the individual sirens for the biweekly tests. Perform siren activation in accordance with Attachment B, SIREN PORTABLE RADIO TRANSMITTER.

1. IF the portable radio transmitter fails to activate a siren, THEN the Coffey County Sheriff's dispatcher should be requested to activate the siren before leaving the area.

7.1.5 Prior to testing the siren at John Redmond Reservoir Main Dam, an announcement should be made at the dam outlet area to alert fishermen to the test. This announcement should be performed using a bull horn or the PA system in the vehicle if so equipped.

7.2 Siren Malfunctions

7.2.1 IF any siren or group of sirens fail to operate, THEN the Coffey County EPC shall be notified so that compensatory measures can be taken per Coffey County's CONTINGENCY PLAN IMPLEMENTING PROCEDURE No. 42.

7.2.2 IF any siren or group of sirens fail to operate, THEN the siren malfunctions shall be reported to Emergency Planning immediately and an Action Request initiated to effect repair(s).

7.2.3 IF three or more sirens are inoperable for more than one hour, THEN the Shift Manager should be notified. This condition is reportable under AP 26A-001, INSTRUCTIONS FOR EVALUATING, REPORTING, AND DOCUMENTING POTENTIALLY REPORTABLE EVENTS, per 10CFR50.72(b)(1)(v).

7.2.4 IF three or more sirens are inoperable for more than one hour, THEN the NRC Resident Inspector should be notified.

7.2.5 WHEN the siren malfunction is repaired, THEN a growl test shall be performed on the repaired siren.

1. Any sound tests will be coordinated with the Coffey County EPC.

7.2.6 Emergency Planning shall notify the Coffey County EPC of the successful test of the siren(s) so that compensatory measures may be stopped.

7.3 Siren Maintenance

NOTES

- **A thirty to one-hundred foot bucket truck is required to perform work on the sirens.**
- **The applicable paragraphs of the Federal Signal Corporation Radio-Controlled Public Notification System Service Manual are referenced below as "FSC SM Paragraph x-xx."**
- **The 50 hp sirens (JR-1, JR-4 and WC2) are equipped with sealed motor bearings, therefore it is not necessary to lubricate these bearings. These bearings should be replaced when conditions indicate the bearings are defective.**

7.3.1 IF it is April, THEN connect air conditioner

7.3.2 IF it is November, THEN connect heater and set thermostat at 0° Celsius.

7.3.3 Complete EPF 06-019-01, ANS SIREN ANNUAL MAINTENANCE, for each siren.

7.3.4 Open power supply disconnect to the siren.

7.3.5 Remove the screws that hold the blower base channel space covers on the blower housing, and lift off the blower housing.

7.3.6 Remove the weights from the blower relief valve. Clean all machined surfaces and cover them with a film of SAE 10W40 motor oil. Clean the weight and apply a protective coating of oil.

7.3.7 Examine blower drive belts for excessive wear. IF blower drive belts have excessive wear, THEN replace belts in accordance with FSC SM Paragraph 5-4B.1.

7.3.8 Depress each belt individually with one finger. IF belts depress greater than 1/2 in. or 13 mm., THEN tighten belts in accordance with FSC SM Paragraph 5-4B.1.

7.3.9 Change oil and grease in the blower in accordance with FSC SM Paragraph 5-3A.1. IF blower motor bearings are not sealed bearings, THEN perform lubrication of the motor bearings.

7.3.10 Inspect the Electrical Control Box Gaskets to ensure water tight integrity. IF there is moisture condensation on the box internals, THEN dry internals and replace gasket. Inspect the relay contacts to assure that they make proper contact.

7.3.11 Megger the 50 hp siren motors in accordance with MEG EOOP-05, INSULATION RESISTANCE TESTING.

CAUTION

Do not open siren WC2 cover for 5 minutes after removing AC power to allow capacitors to discharge.

7.3.12 Remove the cover from the inverter of WC2 to allow access to inverter fan.

7.3.13 Activate the WC2 inverter to check fan rotation while motor leads are disconnected.

7.3.14 Test the WC2 siren activation "alert relay" and "cancel relay" locally in controller panel, in accordance with FEDERAL SIGNAL CORPORATION FL SERIES SIREN CONTROLLER MANUAL 255294.

7.3.15 Remove both covers from the rotator housing to access oil and grease fittings.

7.3.16 Examine rotator drive belt/chain for excessive wear. IF belt/chain has excessive wear, THEN replace in accordance with Federal Signal Corporation Radio-Controlled Public Notification System Service Manual.

7.3.17 Examine rotator drive belt/chain for proper tension. IF belt/chain tension not correct, THEN tighten in accordance with FSC SM Paragraph 5-4B.2.

7.3.18 Grease rotator drive chain in accordance with FSC SM Paragraph 5-3A.2.

7.3.19 Change rotator gear reducer housing oil in accordance with FSC SM Paragraph 5-3A.2.

7.3.20 Clean the rotator spur and pinion gears. Apply a light film of grease, Texaco Regal AFB2 or equivalent, to the gears.

7.3.21 Replace the rotator and blower housing covers.

7.3.22 Remove covers from butterfly valves from the town sirens and check for broken springs and freedom of movement of the relay armatures.

7.3.23 Check screens on horn projector openings for damage and replace as necessary.

7.3.24 Replace butterfly valve covers.

7.3.25 Inspect painted surfaces to determine if repainting is required.

7.3.26 Inspect the siren installation to ensure vertical orientation. Siren must not be more than 5 degrees out of plumb.

7.3.27 Close power supply breaker to the siren.

7.3.28 Perform a growl test to ensure proper siren operation.

7.4 Quarterly Check

7.4.1 Perform the following check and record in comments section of EPF 06-019-02, ANS SIREN TEST REPORT:

1. Inspect inverter control door gaskets and seal around air conditioner
2. Check thermometer inside cabinet and verify temperature between 70° and 75°F
3. Inspect filter per PROAIR CR29 INSTRUCTION MANUAL 10-1008-121, section 6
4. Inspect condenser coil for dirt buildup

8.0 INITIAL ACTIONS

8.1 None

9.0 SUBSEQUENT ACTIONS

9.1 None

10.0 RECORDS

10.1 Records generated by this procedure are considered non-QA records and shall be forwarded to Emergency Planning when completed to be retained for five years.

11.0 FORMS

11.1 EPF 06-019-01, ANS SIREN ANNUAL MAINTENANCE

11.2 EPF 06-019-02, ANS SIREN TEST REPORT

- END -

ATTACHMENT A
(Page 1 of 1)
SIRENS

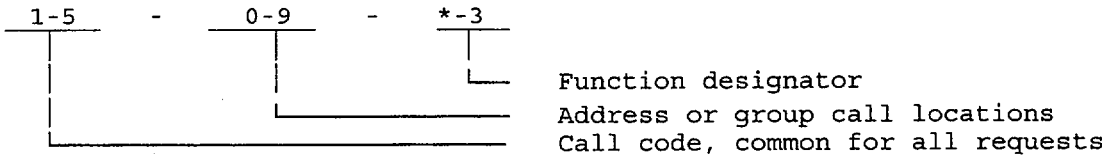
SIREN IDENTIFIER	SIREN LOCATION	APPROXIMATE TEST TIME
WC-1 - Coffey County Lake North	1/2 mile south of the Dwight D. Eisenhower Learning Center	0730
W-1 - Waverly	Corner of 7th and Schofield Streets in Waverly	0800
JR-2 - Ottumwa	East of Iris Road on Texas Street (South end of Ottumwa)	0845
NS-1 - New Strawn	South and west of the radio station	0930
JR-1 - Main Dam	South of 15th Road at Embankment Road (Adjacent to the WCGS Make-up Water Screenhouse)	1000
JR-3 - Otter Creek	13th Road at Homestead Lane (One-half mile north and one-quarter mile west of the west end of John Redmond Reservoir (JRR Dam)	1030
JR-4 - Jacobs Creek	1/2 mile north of 14th Land on Garner Road (Five miles west and three miles north of Burlington)	1045
B-2 - Sonic	North edge of Burlington on Hwy. 75	1200
B-1 - 9th & Yuba	Near the alley at 9th & Yuba Streets in Burlington	1230
L-1 - LeRoy	One block south of the LeRoy High School	1325
WC-2 - Coffey County Lake South	1/4 mile northeast of the Coffey County Landfill	1415

- END -

ATTACHMENT B
(Page 1 of 1)
SIREN PORTABLE RADIO TRANSMITTER

B.1 The siren portable radio transmitter has a 10-key keyboard similar to a push-button phone. The transmitter is used to activate the individual sirens by use of a six (6) digit code system.

B.2 The first two digits of each code is the "call code." The third and fourth digits will be the siren "address." The last two digits make up the "function" designator which refers to the Attack, Alert, Fire or Cancel mode. See example below.



B.3 Table 1 lists the address and call code for each siren as well as the designator for each function.

TABLE 1

Siren Site	Address	Group Calls
Coffey County Lake North	0-1	
New Strawn	0-2	
Coffey County Lake South	0-4	0-#
LeRoy	0-8	
Waverly	0-9	
Ottumwa	1-3	
Otter Creek	1-4	1-#
MainDam	1-5	
Jacobs Creek	1-6	
Sonic	2-6	2-#
9th & Yuba	2-7	
Function		
Attack	wail	1
Alert	steady	2
Fire	Hi-Low	3
Cancel		4
All Call, Sheriff's Office Only, #-#		

EXAMPLES

- To activate the Waverly siren in the fire mode, key the following sequence: 1-5-0-9-*-3
- To cancel the Waverly siren sequence, key the following sequence: 1-5-0-9-*-4
- Cancel can also be achieved by Group Call sequence: 1-5-0-#-*-4

- END -

CC
01/12/2000

WOLF CREEK
NUCLEAR OPERATING CORPORATION

EPP 06-021

TRAINING PROGRAMS

Responsible Manager

MANAGER RESOURCE PROTECTION

Revision Number	1
Use Category	Reference
Administrative Controls Procedure	No
Infrequently Performed Procedure	No
Program Number	06

DC2 08/11/99

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides guidelines for developing and implementing the Wolf Creek Generating Station (WCGS) Radiological Emergency Response Plan Onsite Training Program.

2.0 SCOPE

2.1 This procedure is implemented by the Superintendent Emergency Planning , Emergency Planning and Corporate Services personnel. Personnel assigned Emergency Response Organization (ERO) positions shall have appropriate training as described in this procedure. This procedure also applies to managers and supervisors who have personnel assigned to the ERO.

2.2 Severe Accident Management Guidelines (SAMG) are not part of the Emergency Plan, but are covered in this procedure for convenience.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 AP 27-001, Escort of Individuals Within the Protected Area

3.1.2 AP 30E-003, Training and Qualification Records

3.1.3 PIR TE 93-0603, Individuals Filling ERO Positions in E-Plan Not Meeting Training Requirements

3.1.4 SEC 01-202, Personnel Access to the Protected Area

3.1.5 Radiological Emergency Response Plan (RERP)

3.1.6 PIR 97-2702, Maintenance of Severe Accident Management (SAM) Program

3.2 Commitments

3.2.1 RCMS 92-154: Emergency Planning or Training Personnel Who Conduct Emergency Plan Notification Training will Monitor Each Crew for Proper Form Completion and Transmittal

4.0 DEFINITIONS

4.1 Course Content

4.1.1 Document which identifies specific courses associated with ATTACHMENT A, SUBJECT CATEGORY MATRIX, which satisfies Emergency Response Organization qualifications.

4.2 Emergency Response Organization (ERO)

4.2.1 Personnel who are assigned to specific emergency organization positions described in the Radiological Emergency Response Plan (RERP).

5.0 RESPONSIBILITIES

5.1 Superintendent Emergency Planning

5.1.1 Ensures that an Emergency Preparedness Drill and Exercise Program is developed and implemented in accordance with EPP 06-009, DRILLS AND EXERCISES.

5.1.2 Ensures that an Emergency Preparedness Training Program is developed and implemented which provides for the initial and continuing training of all personnel assigned to the ERO as well as for personnel designated as controllers for drills and exercises.

5.2 Emergency Planning, Corporate Services, and Appropriate Training Division Personnel

5.2.1 Provide training for personnel assigned to the ERO.

5.2.2 Assure that lesson plans or other appropriate training materials are developed and maintained current and approved, as appropriate.

5.2.3 Review lesson plans for technical content that affect ERO personnel assigned to the Control Room, TSC, EOF, public information organization personnel, personnel responsible for the callout of ERO personnel, and controllers, as appropriate.

5.2.4 Assure that the completion standards of a course are documented and that training records are submitted in accordance with AP 30E-003, TRAINING AND QUALIFICATION RECORDS.

5.2.5 Maintain a current Course Content which identifies the courses used to satisfy the requirements of the ATTACHMENT A, SUBJECT CATEGORY MATRIX.

5.2.6 Assure that a mechanism is available for the critique of training.

5.3 Managers and Supervisors

5.3.1 Ensure that their personnel who are assigned to the ERO complete E-Plan training requirements and E-Plan required reading assignments.

6.0 PRECAUTIONS/LIMITATIONS

6.1 None

7.0 PROCEDURE

7.1 TYPES OF TRAINING

7.1.1 Initial Training

1. Except for SAMG training, personnel being added to the ERO shall receive initial training in accordance with ATTACHMENT A, SUBJECT CATEGORY MATRIX, prior to assuming ERO Duty Roster. [Reference Step 3.1.4]

7.1.2 Continuing Training

1. Personnel assigned to the ERO receive annual continuing training consistent with ATTACHMENT A, SUBJECT COURSE MATRIX.

2. It is a goal to complete continuing training by the last day of the twelfth month following the previous year's training completion date. Continuing training must be completed by the last day of the fifteenth month.

3. Personnel who do not meet the above training requirements are removed from the ERO.

4. The Superintendent Emergency Planning determines the training required for those who do not complete the above continuing training requirements. As a minimum, individuals must complete the retraining required in ATTACHMENT A, Subject Course Matrix, prior to being reassigned to the ERO. Additional training may be specified to address any noted deficiencies.

7.1.3 Severe Accident Management Guidelines (SAMG) Training [Reference Step 3.1.6]

1. ATTACHMENT A, SUBJECT COURSE MATRIX, identifies the ERO positions required to complete some level of initial SAMG Training prior to performing SAMG related duties. The exact level of training is specified in the course content.

2. It is a goal that continuing SAMG training be completed by the twenty-fourth (24) month following a position holder's last training completion date. Continuing SAMG training must be completed by the last day of the thirtieth (30) month.

7.1.4 Other Training

1. All personnel with unescorted access to the Protected Area receive general emergency response plan training as part of the Plant Access Training program.

2. Training on the conduct for accountability and evacuation is provided in the Security Squad Training Program.

3. Training will be provided to controllers prior to their initial controller assignment. Scenario-specific training will precede subsequent drills.

4. Each operating crew is monitored annually for correct notification form completion and transmittal. [Commitment Step 3.2.1]

CAUTION

Training for contract Health Physics personnel may not include training on providing aid to contaminated and injured personnel, offsite survey team techniques, and general overview information.

5. During outages, contract Health Physics personnel may receive training as necessary on the duties assigned to Health Physics Technicians in the TSC for the specific purpose of performing facility activation tasks and onsite radiological monitoring.

6. Additional personnel may receive training on the initiation of the ERO callout or other duties assigned to the Off-Site Communicator in order to provide backup support.

7.1.5 Drills

1. Personnel in the ERO demonstrate their ability to perform assigned tasks by participating in drills.

2. Drills are considered part of the ERO training program.

7.1.6 Required Reading

1. Personnel assigned to the ERO are notified of the issuance of new or revised EPPs or other relevant information when these revisions significantly affect the responsibilities of their positions.

2. Notified personnel obtain and read a controlled copy of the procedure(s) identified on the transmittal form.

3. Notified personnel sign the transmittal form, attesting that they understand the new or revised procedure(s) or other written notices.

4. Notified personnel should return the signed transmittal form within 30 calendar days of the transmittal date.

5. A second and third transmittal form is sent to any individual who does not sign and return the initial transmittal form within 30 and 45 calendar days, respectively, of the transmittal date of the initial form.

6. IF personnel do not return the signed transmittal form within 60 days of initial issue, THEN they will be removed from the ERO until the reading is completed or unless determined otherwise by the Superintendent Emergency Planning. Situations will be evaluated on a case-by-case basis.

7.1.7 Visitors

1. Visitors to the plant protected area are required to read appropriate information, including emergency plan information, in accordance with AP 27-001, ESCORT INDIVIDUALS WITHIN THE PROTECTED AREA.

8.0 INITIAL ACTIONS

8.1 None

9.0 SUBSEQUENT ACTIONS

9.1 None

10.0 RECORDS

10.1 None

11.0 FORMS

11.1 None

- END -

ATTACHMENT A
(Page 1 of 3)
SUBJECT CATEGORY MATRIX

ERO POSITION	*1 - Emergency Planning Overview	*2 - Facility/Position-Specific Responsibilities	Emergency Classification	Protective Action Recommendations	Offsite Dose Projections	Survey Techniques and Direction	Aid to Contaminated Injured	Command and Control/ Non-Delegable Responsibilities	*3 -Severe Accident Management Guidelines (SAMGS)
Shift Manager	X	X	X	X				X	X
Control Room Supervisor	X	X	X	X				X	X
Senior Reactor Operator	X	X	X	X				X	X
Reactor Operator	X	X						X	
Shift Engineer	X	X	X	X				X	X
On-Shift Health Physics Technician	X	X				X	X		
On-Shift Chemistry Technician	X	X			X				
Control Room ENS Communicator	X	X							
Off-Site Communicator	X	X							
Site Emergency Manager	X	X	X	X				X	X
Operations Coordinator	X	X	X	X					X
Radiological Coordinator	X	X		X		X			
Maintenance Coordinator	X	X							
Administrative Coordinator	X	X							
Engineering Coordinator	X	X							X
Operations Communicator	X	X							
Security Coordinator	X	X							
Engineering Team	X	X							X
Administrative Assistant	X	X							
Operations Recorder	X	X							
ENS Communicator	X	X							
Team Communicator	X	X							
Maintenance Assistant	X	X							

*1 - General E-Plan overview information is an initial training requirement only.

*2 - Position-Specific responsibilities training covers all tasks assigned to a position in the EPPs.

*3 - The depth of SAMG training is position-dependent as identified in the Course content.

ATTACHMENT A
(Page 2 of 3)
SUBJECT CATEGORY MATRIX

ERO POSITION	*1 - Emergency Planning Overview	*2 - Facility/Position-Specific Responsibilities	Emergency Classification	Protective Action Recommendations	Offsite Dose Projections	Survey Techniques and Direction	Aid to Contaminated Injured	Command and Control/ Non-Delegable Responsibilities	*3 - Severe Accident Management Guidelines (SAMGS)
Maintenance Planner	X	X							
Security Coordinator	X	X							
Emergency Response Team (Mechanical, Electrical, I&C)	X	X							
Chemistry Technician	X	X							
Facility Technician (EOF)	X	X							
Facility Technician (TSC) & Survey Technician	X	X				X	X		
Warehouse Support	X	X				X			
Off-Site Emergency Manager	X	X	X	X				X	X
Dose Assessment Coordinator	X	X		X	X				
Team Director	X	X				X			
Dose Assessment Technician	X	X			X				
HPN Communicator	X	X							
NRECs		X							
Computer Operator		X							
Representative at County	X	X							
Onsite Public Information Coordinator	X	X							
Off-Site Public Information Coordinator	X	X							
Phone Team Manager	X	X							
Phone Team	X	X							
Media Monitoring Team	X	X							
Rumor Control Coordinator	X	X							
Information Messenger	X	X							
News Writer	X	X							

*1 - General E-Plan overview information is an initial training requirement only.

*2 - Position-Specific responsibilities training covers all tasks assigned to a position in the EPPs.

*3 - The depth of SAMG training is position-dependent as identified in the Course content.

ATTACHMENT A
(Page 3 of 3)
SUBJECT CATEGORY MATRIX

ERO POSITION	*1 - Emergency Planning Overview	*2 - Facility/Position-Specific Responsibilities	Emergency Classification	Protective Action Recommendations	Offsite Dose Projections	Survey Techniques and Direction	Aid to Contaminated Injured	Command and Control/ Non-Delegable Responsibilities	*3 - Severe Accident Management Guidelines (SAMGS)
Technical Support	X	X							
Public Information Manager	X	X							
Wolf Creek Public Information Officer	X	X							
AV Support	X	X							
Media Registrar	X	X							
MC Manager	X	X							
Media Liaison	X	X							

*1 - General E-Plan overview information is an initial training requirement only.

*2 - Position-Specific responsibilities training covers all tasks assigned to a position in the EPPs.

*3 - The depth of SAMG training is position-dependent as identified in the Course content.

- END -

EMERGENCY PLANNING
QUARTERLY COMMUNICATIONS CHECKLIST

Part I	COMMUNICATION CHECKS			
	TECHNICAL SUPPORT CENTER			
	Communications Circuits	Tester's Initials	Date	Comments
Accountability Clerk				
	Ext. 4050			
TSC Document Room				
	Ext. 4509			
Dose Assessment Area				
	Ext. 5353			
Public Information Coordinator				
	364-4152 or Ext. 5396			
Site Emergency Manager				
	Ext. 5341			
	Hotline			
Site Emergency Manager Multi-Line				
	Ext. 5344			
	Ext. 5341			
	Ext. 5358			
	Ext. 5364			
	Ext. 5370			
	Ext. 5374			
	Ext. 5751			
Logkeeper				
	Ext. 5341			
Administrative Coordinator				
	Ext. 5375			
Radiological Coordinator				
	Ext. 5352			
Maintenance Coordinator				
	Ext. 5347			
Maintenance Assistant				
	Ext. 5348			
	Ext. 5360			
Engineering Team				
	Ext. 5310			
	Ext. 5366			
	Ext. 5381			
	Ext. 5711			
	Ext. 5713			
Fax Machine				
	364-4051 or Ext. 4051			
Fax Verification				
	Ext. 4053			
Nuclear Regulatory Commission (NRC)				
	Ext. 5701			
	Ext. 5702			
	Ext. 5365 (NRC Room)			
	Ext. 5389 (NRC Room)			

EMERGENCY PLANNING
QUARTERLY COMMUNICATIONS CHECKLIST

Part I	COMMUNICATION CHECKS			
TECHNICAL SUPPORT CENTER (Cont'd)				
	Communications Circuits	Tester's Initials	Date	Comments
Team Director				
	Ext. 5361			
Team Communicator (Offsite)				
	Ext. 5394			
Team Communicator (Onsite)				
	Ext. 5359			
Operations Coordinator				
	Ext. 5345			
	Ext. 5346			
Operations Recorder				
	Ext. 5387			
TSC Communicator				
a.	Ext. 5382			
b.	Ext. 5392			

CONTROL ROOM			
Communications Circuits	Tester's Initials	Date	Comments
Shift Manager			
Ext. 5340			
Control Room Supervisor			
Ext. 5379			
Multi-Line			
Ext. 5343			
Ext. 5350			
Ext. 5357			
Ext. 5363			
Ext. 5369			
Ext. 5373			
Ext. 5752			
Control Room Communicator			
Ext. 5380			

EMERGENCY PLANNING
QUARTERLY COMMUNICATIONS CHECKLIST

Part I	COMMUNICATION CHECKS			
	EMERGENCY OPERATIONS FACILITY			
	Communications Circuits	Tester's Initials	Date	Comments
Off-Site Emergency Manager (Multi-line)				
	Ext. 5342			
	Ext. 5354			
	Ext. 5349			
	Hotline			
Logkeeper (Multi-line)				
	Ext. 5125			
	Ext. 5342			
	Ext. 5354			
	Ext. 5349			
Operations Recorder				
	Ext. 5704			
EOF Communicator				
	Ext. 5384			
	Ext. 5393			
FEMA				
	Ext. 5705			
Administrative Coordinator				
	Ext. 5378			
Dose Assessment Coordinator				
	Ext. 5356			
Dose Assessment Area				
	Ext. 5825			
	Ext. 5383			
Radiological Coordinator				
	Ext. 5355			
Team Director				
	Ext. 5391			
Team Communicator				
	Ext. 5395			
Public Information Coordinator				
	Ext. 5372			
Accountability				
	Ext. 5822			
Fax Machine				
	364-4121 or Ext. 5101			
Fax Verification				
	316-364-8831, Ext. 5822			
Nuclear Regulatory Commission (NRC)				
	Ext. 5124 (Multi-line) (NRC Conf. Room)			
	Ext. 5130 (Multi-line) (NRC Conf. Room)			
	Ext. 5300 (Mobile Lab)			
	Ext. 5706 (Dose Projection)			
	Ext. 5127 (Eng.)			
	Ext. 5707 (PIO)			

EMERGENCY PLANNING
QUARTERLY COMMUNICATIONS CHECKLIST

Part I	COMMUNICATION CHECKS			
EMERGENCY OPERATIONS FACILITY (Cont'd)				
	Communications Circuits	Tester's Initials	Date	Comments
EOF Conference Room (Multi-line)				
	Ext. 5342 (DEM)			
	Ext. 5709 (NRC)			
	Ext. 5710 (NRC)			
EOF Document Room				
	Ext. 5111			
EOF General Use				
	Ext. 5071			
	Ext. 5126			
	Ext. 5128			

EMERGENCY PLAN VEHICLES			
Communications Circuits	Tester's Initials	Date	Comments
Vehicle #1042			
2-Way Radio*			
Cellular Phone**			
Vehicle #1043			
2-Way Radio*			
Cellular Phone**			
Vehicle #1094			
2-Way Radio*			
Cellular Phone**			
*Radio check is complete by calling another base station or hand-held radio.			
**Cellular phone check is complete by calling another telephone number.			

STATE FORWARD STAGING AREA				
	Communications Circuits	Tester's Initials	Date	Comments
Kansas Highway Patrol				
	(316) 256-6790			
Kansas National Guard				
	(316) 256-6501			
	(316) 256-6087			
	(316) 256-6187			

EMERGENCY PLANNING
QUARTERLY COMMUNICATIONS CHECKLIST

Part I	COMMUNICATION CHECKS			
INFORMATION CLEARINGHOUSE - WOLF CREEK				
	Communication Circuits	Tester's Initials	Date	Comments
Public Information Manager				
	Ext. 5431			
	Ext. 5432			
Wolf Creek PIO				
	Ext. 5430			
News Writer/Information Messenger				
	Ext. 5429			
KGE PIO				
	Ext. 5420			
KCPL PIO				
	Ext. 5422			
KEPCo PIO				
	Ext. 5421			
NRC PIO				
	Ext. 5427			
FEMA PIO				
	Ext. 5428			
Kansas State PIO				
	Ext. 5425			
Coffey County PIO				
	Ext. 5423			
Gov. Press Sec.				
	Ext. 5426			

MEDIA CENTER - WOLF CREEK			
Communication Circuits	Tester's Initials	Date	Comments
Media Phones			
Ext. 5184			
Ext. 5190			
Ext. 5183			
Ext. 5188			
Ext. 5189			
Ext. 5309			
Ext. 5187			
Ext. 5182			
Ext. 5185			
Ext. 5186			
Ext. 5180			
Ext. 5181			

EMERGENCY PLANNING
QUARTERLY COMMUNICATIONS CHECKLIST

Part I	COMMUNICATION CHECKS			
PHONE TEAM - WOLF CREEK				
	Communications Circuits	Tester's Initials	Date	Comments
Phone Team Manager				
	Ext. 5312			
	Ext. 5308			
	(316) 364-4238			
Phone Team				
	Ext. 5313			
	Ext. 5314			
	Ext. 5315			
	Ext. 5316			
	Ext. 5317			
	Ext. 5318			
	Ext. 5319			
	Ext. 5320			

PHONE TEAM ROOM - TOPEKA				
	Communications Circuits	Tester's Initials	Date	Comments
	(785) 267-0145			
	(785) 267-0397			
	(785) 267-0131			
	(785) 267-1441			
	(785) 267-0662			
	(785) 267-0623			
	(785) 267-0509			
	(785) 267-0957			
	(785) 267-0398			
	1-800-354-3831			

EMERGENCY PLANNING
QUARTERLY COMMUNICATIONS CHECKLIST

Part I	COMMUNICATION CHECKS			
INFORMATION CLEARINGHOUSE - TOPEKA				
Communication Circuits		Tester's Initials	Date	Comments
Public Information Manager				
	(785) 267-0651			
Wolf Creek PIO				
	(785) 267-0649			
Technical Support				
	(785) 267-3238			
News Writer/Information Messenger				
	(785) 267-0603			
KGE PIO				
	(785) 267-0725			
KCPL PIO				
	(785) 267-0742			
KEPCo PIO				
	(785) 267-0748			
NRC PIO				
	(785) 267-0669			
FEMA PIO				
	(785) 267-0686			
Kansas State PIO				
	(785) 267-0627			
Coffey County PIO				
	(785) 267-0688			
Gov. Press Sec.				
	(785) 267-0612			
Fax 1				
	(785) 267-0691			
Fax 2				
	(785) 267-0714			
Fax Verification Line				
	(785) 267-0599			
Computer Line				
	(785) 267-0253			
	(785) 267-0718			

EMERGENCY PLANNING
QUARTERLY COMMUNICATIONS CHECKLIST

Part I	COMMUNICATION CHECKS				
MEDIA CENTER - TOPEKA					
Communication Circuits			Tester's Initials	Date	Comments
Media Center Auditorium					
	(785) 267-9327				
Media Conference Room					
	(785) 267-0256				
	(785) 267-0287				
	(785) 267-0295				
	(785) 267-0321				
	(785) 267-0537				
	(785) 267-0135				
	(785) 267-0545				
	(785) 267-1134				
	(785) 267-0530				
	(785) 267-0542				
	(785) 267-0556				
Media Phones					
	Bank 1	a (785) 267-0399			
		b (785) 267-0360			
		c (785) 267-0434			
		d (785) 267-0374			
	Bank 2	a (785) 267-0355			
		b (785) 267-0334			
		c (785) 267-0357			
		d (785) 267-0343			
	Bank 3	a (785) 267-0481			
		b (785) 267-0496			
		c (785) 267-0468			
		d (785) 267-0483			
	Bank 4	a (785) 267-0295			
		b (785) 267-0256			
		c (785) 267-0321			
		d (785) 267-0287			
	Bank 5	a (785) 267-0457			
		b (785) 267-0441			
		c (785) 267-0465			
		d (785) 267-0450			

SUBMITTED BY

☐ Communication checks are complete and corrective actions initiated for unsatisfactory checks noted above.

Comments:

Signature	*Print Name*	*Ext.*	*Date*

EMERGENCY PLANNING
QUARTERLY COMMUNICATIONS CHECKLIST

Part II	ERDS TEST

ERDS is tested on Tuesday of the eleventh full week of each quarter. (If the Tuesday is a Federal holiday, the check will be performed on Friday that same week). Contact and testing shall be between the hours of 8 AM and 4 PM eastern time. ERDS data is to be transmitted for a two-hour period.

1.0 Contact the NRC Operations Center to arrange a time to conduct the test (refer to RETD, Section II, OFFSITE SUPPORT, for telephone number).

- o Test period scheduled at _____
- o NRC Contact _____

2.0 Contact the Control Room and indicate that ERDS testing is commencing.

3.0 Activate ERDS using the NPIS Computer in the TSC Computer Room or as otherwise directed by Emergency Planning:

a. Select the E-Plan Menu, then touch the ERDS block on the screen

OR

Type the Turn-On code "ERDS" and press the "Return/Enter" key

b. Follow the prompts until the ERDS is activated.

c. ERDS activated at _____ (time)

4.0 At the end of the two-hour testing period, contact the NRC:

4.1 Verify the time of reconnect upon loss of telephone connect. Reconnect upon loss of telephone at _____.

4.2 IF the ERDS connection has not been terminated by the NRC, THEN request permission to end the transmission.

4.3 IF directed by the NRC to perform the disconnect, THEN deactivate ERDS

a. Press the "F3" key on the NPIS computer

b. Follow the prompts until the ERDS is deactivated

c. Verify the ERDS connection has been terminated

4.4 Two-hour transmission complete at _____.(time)

SUBMITTED BY

☐ ERDS test is complete and corrective action initiated for unsatisfactory test.

Comments:

Signature	*Print Name*	*Ext.*	*Date*

EMERGENCY PLANNING
QUARTERLY COMMUNICATIONS CHECKLIST

Part III	REVIEW AND APPROVAL		
Quarter:		Date:	Other:

EMERGENCY PLANNING REVIEW

☐ Corrective actions complete or otherwise resolved as noted below. Other applicable information is provided in the Comments Section.

Comments:

Reviewer Signature	*Print Name*	*Ext.*	*Date*

EMERGENCY PLANNING APPROVAL

☐ All reviews and appropriate actions are complete.

Comments:

Approval Signature	*Date*