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G9.20.6

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Denton:

River Bend Station - Unit 1
Docket No. 50-458

The attached information is being provided as requested by the Nuclear Regulatory Commission's Emergency Preparedness Licensing Branch (EPLB) for it's review and input to Safety Evaluation Report Section 13.1.

Information provided herein will be provided in a future FSAR Amendment.

Sincerely,

for J. E. Booker
Manager-Engineering
Nuclear Fuels & Licensing
River Bend Nuclear Group

JEB/RJK/je

Attachment

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SECTION 13.3

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events, in order to protect the health and safety of the general public and site personnel.

The plan, as presented herein, and the EIPs, provide direction for emergency response to emergencies. These emergencies vary in severity from minor personnel injuries during a radiological emergency response to situations involving real or potential offsite radiological hazards. Details of the onsite emergency response are contained in this plan and the EIPs.

The interrelationships between the various elements of onsite emergency response and the elements of offsite emergency response are described in this plan, the EIPs, the Louisiana Peacetime Radiological Response Plan and its River Bend Station Attachment and the Mississippi Radiological Emergency Plan.

13.3.1.1 Definitions

The following is a list of terms and their definitions that will be used, as appropriate, in this plan and the Emergency Implementing Procedures:

Accident An unforeseen and unintentional event and its consequences that may result in an emergency.

Alternate Evacuation Point - An alternate egress point that may be used, if necessary, during Protected Area and Owner Controlled Area Evacuations.

Alternate Evacuation Point Assembly Area - A designated area where personnel may assemble for radiation monitoring during Protected Area and Owner Controlled Area Evacuations. This assembly area is located outside the Alternate Evacuation Point.

Assembly Area - Designated point for evacuated personnel to assemble for accountability and/or radiation monitoring purposes.

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

Building Evacuation - The withdrawal of all personnel from ~~two or more large operating areas within~~ one building.

Controlled Area - The controlled area for River Bend Station will include all areas of the fuel handling building, the reactor building, and the reactor auxiliary building, and other areas where access is controlled ~~by Radiation Protection personnel~~ for the purpose of radiation protection.

this plan in order to ameliorate or terminate an emergency event. These procedures are described in Appendix F.

Emergency Operating Procedures - A preestablished set of instructions that define the actions to be taken by operators in response to abnormal conditions at the station.

Emergency Operations Facility (EOF) - A nearsite facility from which onsite-offsite emergency response and recovery operations are coordinated.

Emergency Operations Facility ~~Coordinator~~ Manager - The individual at the nearsite EOF who directs the utility interaction with offsite agencies during the emergency response.

Emergency Plan - The GSU plan for coping with emergencies at the River Bend Station as detailed herein.

Emergency Planning Zone (EPZ) - Offsite area surrounding ~~River Bend Station~~ RBS for which planning is conducted to assure that prompt and effective actions can be taken to protect the public in the event of an accident. For the plume exposure pathway, the EPZ has a corresponding radius of approximately 10 mi; for the ingestion exposure pathway, the EPZ has a corresponding radius of approximately 50 mi.

Emergency Response - Those actions taken after an EAL is reached to ensure the safety of personnel, and to return the plant to a safe status.

Evacuation Assembly Area East - A designated area where personnel may assemble for radiation monitoring during ~~an Owner Controlled~~ Protected Area Evacuation. This area is located at the intersection of the North Access Road and State Highway 61.

Evacuation Assembly Area West - A designated area where personnel may assemble for radiation monitoring during ~~an Owner Controlled~~ Protected Area Evacuation. This area is located at the intersection of the North Access Road and State Highway 965.

Exclusion Area (EA) or Exclusion Zone (EZ) - That area as defined in 10CFR100.3(a) which has a boundary of approximately 3,000 ft from the ~~River Bend Station~~ RBS reactors.

Exercise - An event that tests a major portion or all of the basic elements within the Emergency Plan. This event demonstrates the capability of the emergency organization to cope with an emergency that could result in off-site consequences.

General Office - GSU corporate headquarters, located in Beaumont, Texas.

Ingestion Exposure Pathway - The EPZ within an approximate 50 mile radius from the station in which the principal exposure is from the ingestion of contaminated water or food such as milk, livestock feed, or vegetables. Depending on the nature and magnitude of the radiological emergency, the duration of potential exposure may range from hours to months. | 4

Emergency Operation Facility

Joint Information Center - A designated area located in the RBS ~~River Bend Station~~ Training Center, adjacent to the (EOF), where public information is disseminated and press briefings are conducted. | 8 | 15 | 4

Joint Information Director - A designated individual responsible for directing activities at the Joint Information Center (JIC), and for approving all RBS ~~River Bend Station~~ news releases. | 8 | 15

Limited Evacuation - The withdrawal of personnel from a single area within a building. 8

Louisiana Nuclear Energy Division (LNED) - The division of the Louisiana Department of ~~Natural Resources, Office of~~ Environmental Quality ~~Affairs~~ that coordinates the State's technical response to a fixed nuclear facility accident and develops state-level recommendations for protective actions. LNED is responsible for the development and implementation of the State radiological emergency plan.

Louisiana Office of Emergency Preparedness (LOEP) - The Louisiana State agency responsible for the coordination of general state-level emergency plans and programs. It coordinates all phases of disaster operations including the emergency response of designated State agencies, the Federal Emergency Management Agency and other States when appropriate. 4

Louisiana Peacetime Radiological Response Plan - State of Louisiana Emergency Response Plan for all radiological emergencies other than nuclear attack in the State and near its borders.

Louisiana Peacetime Radiological Response Plan, River Bend Station Attachment - One of three attachments to the Louisiana Radiological Response Plan containing information site-specific to the five parishes in the 10 mile plume exposure pathway of the River Bend Station.

Low-Population Zone - That area as defined in 10CFR100.3 (b) which has a boundary 2.5 mi from the River Bend Station - Units 1 and 2 reactors.

Main Control Room - The primary area for plant instrumentation and control under the direction of the Shift Supervisor.

Mississippi Emergency Management Agency (MEMA) - The Mississippi State agency responsible for the development of State emergency plans and procedures. MEMA coordinates State and Federal agency response to emergencies and provides for the continuity of technical, administrative and material resources.

Mississipppi Highway Safety Patrol (MHSP) - In coordination with MEMA, provides notification and warning to the public in the event of an emergency. Assists local officials with evacuation. Provides backup communications; traffic control; access/egress control and radiological monitoring assistance. 4

Mississippi Radiological Emergency Plan (MREP) - Volume V to the Mississippi Operations Plan which describes the response organization and capabilities of the State of Mississippi for responding to a radiological emergency.

4 Mississippi State Board of Health - Division of Radiological Health (MSBH-DRH) - The lead Mississippi State agency for technical response and accident assessment. Provides personnel and equipment for the Radiological Emergency Response Team. Advises State and local officials on the implementation of Protective Actions. Establishes radiological exposure controls.

Offsite - That area outside the property boundary area.

Onsite - That area within the property boundary area.

Operations Support Center (OSC) - A designated area located in the Services Building from which response personnel are dispatched to mitigate an abnormal situation. It is also used as a staging area for incoming relief personnel.

4 Operations Support Center ~~Director~~ Coordinator - The individual responsible for coordinating all emergency response activities at the OSC.

Owner Controlled Area - A designated area within the GSU property boundary excluding the ~~River Bend Station~~ RBS Training Center.

8 Owner Controlled Area Evacuation - The withdrawal of personnel, whenever extensive unexpected and uncontrolled hazards exist in the Protected Area and/or a large portion of the owner controlled area.

Plume Exposure Pathway - The EPZ within an approximate 10 mile radius from the station in which a radioactive cloud (plume) can expose the population-at-risk and/or plant personnel to radiation. The duration of potential exposure could range from hours to days. The principal exposure sources for this pathway are:

a. Whole body external exposure to gamma radiation from the plume and deposited material, and

b. Inhalation exposure from the passing plume.

Population-at-Risk - Populations within the 10 and 50 mile Emergency Planning Zones.

Primary Access Point (PAP) - The primary evacuation point used to control ingress/egress to and from the Protected Area. Personnel accountability is performed at this point during Protected Area ~~and Owner Controlled Area~~ Evacuations.

Projected Dose - The estimated dose that would be received by individuals if no protective actions were taken following a release of radioactive materials.

Protected Area - That area within the perimeter of the ~~River Bend Station~~ RBS security fence.

Protected Area Evacuation - The withdrawal of ~~assigned to~~ non-essential personnel from the Protected Area excluding personnel ~~in the Main Control Room or the Technical Support Center (TSC).~~ Operations Shift and the Emergency Response Organization.

Protective Action Guide (PAG) - The projected dose level for individuals in the population which warrants taking protective action.

Protective Actions - Those emergency measures taken to prevent or minimize radiological exposures to ~~the population.~~ onsite personnel and general public.

Radiation Protection Personnel - Personnel who are members of the site Radiation Protection Department and have received extensive training in radiation protection.

Radiation Surveyors - Emergency organization response personnel who assume health physics duties, but are not necessarily members of the site Radiation Protection Department. These personnel have, as a minimum, training in the use of radiation survey equipment and radiation exposure limits.

Radiological Emergency - An event that results in the loss of control of radioactive materials and that involves a hazard or potential hazard to the health and safety of people or to property.

Recovery Manager - A designated individual at the EOF responsible for the ~~coordination of plant and offsite emergency activities.~~ overall onsite GSU response organization

Recovery Operations - Those operations taken after the emergency ~~response~~ has been terminated to restore the plant as nearly as possible to its pre-emergency condition.

River Bend Nuclear Group (RBNG) - A subgroup of the ~~Gulf States Utilities Company~~ GSU Corporate organization responsible for the direct corporate support of the ~~River Bend Station~~ RBS.

River Bend Parishes - The collective name of the five parishes within the 10 mile EPZ of the ~~River Bend Station~~ RBS. These parishes are: West Feliciana, East Feliciana, East Baton Rouge, West Baton Rouge and Pointe Coupee.

River Bend Station Emergency Hotline (RBS Emergency Hotline) - The dedicated telephone system which connects the key emergency response facilities at the ~~River Bend Station~~ RBS, with LOEP, LNED, the Sheriff's offices, and the local emergency operations centers in the ~~River Bend~~ five local Parishes, MHSP, and MEMA.

Technical Support Center (TSC) - An onsite facility in close proximity to the Main Control Room from which the onsite emergency response is coordinated.

13.3.2 Summary of Emergency Plan

This plan describes the actions and responsibilities of River Bend Station personnel in the event of an emergency and delineates the support required from offsite groups during certain specific emergency situations. Graded emergency classifications of increasing severity are incorporated in this plan, ~~and their relationship to the participation of onsite and offsite personnel and agencies is described.~~ The basic objectives of the plan are to provide guidance and instruction regarding the: 4

1. Identification and evaluation of various types of emergencies which could potentially occur at the station and which could affect members of the public and/or plant personnel and equipment.

2. Organization and direction of plant personnel actions to limit the consequences of an accident.

3. Organization and control of RBS activities ~~onsite and offsite~~ to assess the extent and significance of any uncontrolled release of radioactive material, notification of offsite authorities as required, and coordination of response activities with offsite support groups.

4. Delineation of protective actions and measures which are based upon and are consistent with the EALs specified in NUREG-0654, Revision 1, Appendix 1. 4

The JIC will be activated as noted on Figure 13.3-8.

The TSC and the OSC will be activated. The EOF may be activated at the ~~Recovery Manager's~~ Emergency Director's discretion. The emergency organization will be activated as shown on Fig. 13.3-8.

13.3.3.1.3 Site Area Emergency

A Site Area Emergency classification is declared when events are in progress or have occurred which involve actual or probable major failure of plant functions needed for the protection of RBS ~~River Bend Station~~ personnel and the public. In these events, there is a potential for radiological releases that may require the initiation of protective actions, including plant evacuation. The emergency organization will be activated as shown on Fig. 13.3-9, including the dispatching of onsite and offsite radiological monitoring teams. If not already accomplished, the station will activate all the emergency response facilities including the EOF. ~~Emergency news operations in the Emergency Communications Center will begin at the discretion of the Recovery Manager.~~ There will be a provision for the EOF ~~Coordinator~~ Manager to provide status updates to offsite authorities. Appropriate offsite authorities will be given radiological and meteorological information and projected dose estimates based on actual and/or projected releases. The ~~River Bend Station~~ RBS will notify the State of Louisiana, the local parishes, and the State of Mississippi in accordance with the Louisiana Peacetime Radiological Response Plan (LPRRP), its River Bend Station Attachment, and the Mississippi Radiological Emergency Plan (MREP). Upon notification, the states may activate their emergency operation centers and dispatch their key emergency personnel, such as the Louisiana Fixed Facility Response Teams (FFRT) and the Mississippi Radiological Emergency Response Teams (RERT) to assess offsite consequences. The State plans provide guidance to State and local authorities regarding the appropriate responses for the initiation of public protection (i.e., notification of the public to take shelter, evacuate or institute food, water, and milk controls) in the event the Louisiana and Mississippi Protective Action Guides are exceeded.

The Site Area Emergency status will be maintained until an escalation or reduction in emergency class occurs or the status is terminated. Offsite authorities will be informed of the change in the emergency status and the necessary documentation will be completed.

13.3.3.1.4 General Emergency

A General Emergency class indicates that events are in progress or have occurred which involve actual or imminent substantial core degradation/melting with a potential for the loss of containment integrity. This emergency involves the potential for

radiological releases which are likely to result in doses that exceed the EPA Protective Action Guidelines for plume and ingestion exposures.

There will be prompt notification to the Louisiana Nuclear Energy Division (LNED), the Louisiana Office of Emergency Preparedness (LOEP), the Mississippi Emergency Management Agency (MEMA), the Mississippi State Highway Patrol (MSHP), and the ~~River Bend~~ five local Parishes of the General Emergency status. State and local Emergency Operation Centers (EOC) will be activated in accordance with the LPRRP, its ~~River Bend Station~~ RBS Attachment, and the MREP.

If the following items have not been initiated, they will be instituted during a General Emergency:

1. Station resources and personnel will be augmented by the activation of the emergency response facilities and emergency organization, as shown on Fig. 13.3-9.

2. The onsite and offsite radiological monitoring teams will be dispatched.

   The Recovery Manager or the EOF ~~Coordinator~~ Manager will update Federal, State, and local officials periodically on the station status, radiological releases, meteorological information, radiological dose projections, and affected downwind areas.

Should the actual or potential release of radiological effluents be significantly reduced, a closeout or de-escalation of the emergency class will be made. Offsite authorities will be consulted prior to de-escalation and the necessary written reports will be completed.

13.3.3.2 Spectrum of Postulated Accidents

This section of the ~~River Bend Station~~ RBS Emergency Plan reflects how the postulated accidents investigated in the FSAR are included in one of the four emergency classifications described in Section 13.3.3.1. Table 13.3-1 indicates the appropriate NUREG-0654, Revision 1, Appendix 1 emergency classification which is declared upon reaching an EAL. Table 13.3-2 lists example accidents, the associated emergency classification into which each would be likely to fall, and the resultant doses at the exclusion zone boundary. Table 13.3-3 lists the same accidents and presents the maximum concentrations expected to occur on the applicable radiation monitors.

A complete discussion of any of these accidents may be found in FSAR Chapter 15. Methods of detecting and evaluating accidents

include the use of installed systems, instrumentation, alarms, approved procedures and specialized training. The principal methods are summarized in the following subsections.

13.3.3.2.1 Instrumentation Capability for Detection

Abnormal conditions and situations as well as accidents can be detected in a number of ways, some of which are: the monitoring of instrumentation, annunciators, and alarm systems by trained operations personnel who can recognize and respond to abnormal and/or emergency situations; the actuation and operation of engineered safety features; the actuation of fire detection and protection systems; and the performance of routine practices, such as sampling and analyzing process systems, performing radiation surveys, and monitoring trends and recording data on significant system parameters.

The plant systems available to identify abnormal radiological conditions include the Process and Effluent Radioactivity Monitoring Systems (discussed in detail in FSAR Section 11.5) and the Area Radiation and Airborne Radioactivity Monitoring Instrumentation (discussed in detail in FSAR Section 12.3.4). Both of these systems will provide information necessary to initiate the appropriate emergency procedures, as well as continuing accident assessment during an accident. The magnitude of the source term with release potential will be determined based on plant system monitors. ~~Emergency Implementing Procedures~~ (EIPs) include the methodology for determining the release rate and projected doses~~, onsite and offsite~~.

In addition, Table 13.3-8 identifies portable survey equipment (~~single channel analyzer~~) capable of measuring iodines and particulates used in conjunction with air samplers equipped with ~~charcoal or~~ silver zeolite cartridges. GSU has the capability to monitor both inplant and offsite iodine. In addition, four portable particulate iodine and gas (PIG) monitors are provided to measure inplant ~~radiation levels~~. Junction boxes located near vital areas allow information from these PIG monitors to be reported to the digital radiation monitor system display CRTs.

GSU has the capability to ~~measure~~ estimate airborne iodine concentrations to be ~~5 x 10^{-8}~~ less than 10^{-7} uCi/cc range by the offsite surveyor using ~~a compact portable gamma spectrometer powered by an external battery pack that can be used with an appropriate NaI crystal detector~~. This ~~type of~~ instrumentation enables the offsite surveyor to analyze iodine concentration in the air by counting ~~charcoal~~ silver zeolite filters. equipment provided in the emergency kit.

13.3.3.2.2 Evaluation

The Shift Supervisor is responsible for the initial evaluation of any abnormal or emergency situation, as well as being responsible for the safe and proper operation of the plant. He will make use of all means at his disposal, including instrumentation, equipment, instructions, and personnel, to determine the magnitude of an accident and whether or not a potential hazard to the health and safety of the public exists.
└ onsite personnel or

If it is determined that an emergency condition or situation does, in fact, exist, the Shift Supervisor shall assume the responsibilities and authority of the Emergency Director and Recovery Manager as detailed in Section 13.3.4.2.1 of this plan until relieved of those responsibilities by a member of the ~~River Bend Station~~ RBS Emergency Organization assigned that duty. 4

┌ Notification of Unusual Event
The evaluation of emergencies can usually be accomplished by the normal operating shift under the direction of the Shift Supervisor. However, other members of the ~~River Bend Station~~ RBS 4
└ for higher level emergencies.

Technical services and support will be obtained as necessary from RBS staff personnel.

staff, including emergency teams, will be called upon. ~~as required.~~ Three GSU airplanes are available to transport RBS emergency organization personnel located in Beaumont, Texas, as indicated in Table 13.3-5. 11 15

The emergency response personnel will utilize the detection methods previously described in evaluating the emergency. The equipment necessary for assessment or initiation of safety systems is designed to operate following an accident. (Refer to FSAR Chapters 6, 7, 8, and 9 for details associated with such instrumentation and equipment.)

Accidents involving releases of radioactive materials to the environment require special methods of evaluation. Detailed procedures will be used to evaluate accidental radiological releases. General descriptions of the methods used for evaluating such accidental releases are discussed below.

In evaluating an accidental release of radioactive materials, the first item which must be determined is the amount of activity released or, if the release is still in progress, the release rate. This information is available, since these systems, and their release paths, which contain or may contain radioactive materials, are monitored by installed radiation monitoring systems. 4

In addition, these systems are routinely sampled and analyzed. Radiation and contamination surveys are performed and air samples are taken as necessary to provide supporting data. If actual data is not immediately available, the magnitude and duration of the release may be estimated by RBS ~~River Bend Station~~ personnel from plant conditions or from knowledge of the type of incident.

An estimate will be made of the radiation dose which affected population groups may potentially receive as a result of an accidental release of radioactive materials to the environment. This projected dose will be determined from the type of release and the amount of dilution when known. In the case of an accidental liquid release, the dilution factor can be determined by using installed instrumentation or known data. This dilution factor will be used in conjunction with the activity known or estimated to have been released in order to determine the projected dose.

Detection and evaluation of accidental releases which are classified as either a Site Area Emergency or a General Emergency will normally be confirmed ~~and updated~~ by field methods. Such methods will be specified in the EIPs and will usually require the dispatching of emergency teams to obtain and analyze samples and perform surveys. The results will be reported to the Recovery Manager.

13.3.3.3 Review of Emergency Action Levels (EAL)

The current EAL configuration in FSAR Table 13.3-1 provides the licensee ~~interface with the state and local officials for offsite~~ response under the four emergency classifications. GSU, with the State of Louisiana and the local five ~~River Bend Station~~ Parishes, is finalizing Protective Action Sections within the 10-mile EPZ. The EPA Protective Action Guides, the Protective Action Sections, the EAL Tables, and the Evacuation Time Estimates contained in Appendix D of FSAR Section 13.3 will be utilized in developing the specific Protection Action decision-making process. The state and local authorities will annually review their interface with the licensee with regard to offsite response necessary under the four emergency classifications as shown on EAL Table 13.3-1.

13.3.4 Organizational Control of Emergencies

Using the normal operating organization (Fig. 13.3-5) as a base, this section of the plan describes the activation of the emergency organization and the assignment of authority and responsibility for functional areas of the emergency response. The latter part of this section describes the functions of offsite organizations and their emergency roles.

13.3.4.1 Normal Operating Organization

The normal operating shift crew (Fig. 13.3-6) consists of ~~12~~ 14 individuals. The Shift Supervisor, who holds a Senior Reactor Operator (SRO) license, is in direct charge of all plant operations during his assigned shift and is directly responsible for the actions of his crew. Each shift crew consists of the following individuals: one Shift Supervisor, one Control Operations Foreman who also holds an SRO license, three Nuclear Control Operators possessing five Reactor Operator (RO) licenses, and ~~four~~ Nuclear Equipment Operators. Technical support assigned to each operating shift consists of an Instrument and Controls Technician, ~~a~~ two Radiation Protection Technician, and a Chemistry Technician. Individual responsibilities for normal operation are defined in administrative procedures.

When initiating conditions exist that result in one of the EALs being reached, the Shift Supervisor has the responsibility and authority to declare that an emergency situation exists and to take immediate action in accordance with written operating procedures to mitigate the consequences of the emergency. He will assign the appropriate emergency classification and initiate the necessary ~~Emergency Implementing Procedures~~ (EIPs). 4

13.3.4.2 Onsite Emergency Organization

This section of the plan describes the responsibilities of the onsite personnel, shown on Fig. 13.3-7 through 13.3-~~8~~9, during an event assessed to be a Notification of Unusual Event, Alert, Site Area Emergency, or General Emergency. Unless otherwise specified, all titles are emergency organization positions as described in Appendix A. 4 4

13.3.4.2.1 Direction/Coordination

Overall direction and control of the activated emergency organization is the responsibility of the Recovery Manager. ~~His two primary subordinates are~~ the Emergency Director, ~~who~~ is responsible for the onsite emergency response, and the EOF ~~Coordinator~~, ~~who~~ is responsible for coordinating the emergency response with offsite agencies. 4 6 Manager

The Recovery Manager is the Senior Vice President of ~~the~~ River Bend Nuclear Group or his designated alternate, ~~the Vice President of River Bend Nuclear Group, both of which are located at the site.~~ The Recovery Manager will operate from the EOF and will maintain overall responsibility for the emergency response and subsequent recovery operations. He will ensure that the emergency response is well organized and that the various elements of the emergency organization are working as a coordinated group. The Recovery Manager will have the authority to immediately and unilaterally initiate all emergency actions. He will have the unique responsibility, which may not be delegated, ~~to classify the emergency event and~~ to ~~notify and~~ make protective action recommendations to authorities responsible for implementing offsite emergency measures.

The Recovery Manager will be empowered to authorize major expenditures of funds and commit the resources of GSU as required to meet the demands of the emergency situation. The Recovery Manager will review all official releases of information issued to the press and offsite authorities concerning the emergency.

When the Recovery Manager and/or the Emergency Director ~~are~~ is not available, the Shift Supervisor will assume one or both functions until properly relieved. The Shift Supervisor will be in the Main Control Room and will have the responsibility for the manipulation of plant equipment and controls during the declared emergency. The Shift Supervisor will assess the emergency until relieved of this responsibility by the Emergency Director.

The Shift Technical Advisor (STA) function is a collaterally shared responsibility of the Shift Supervisor and the Control Operations Foreman as shown in Table 13.3-5 and Fig. 13.3-7, 13.3-8, and 13.3-9, ~~and 13.3-10.~~ The Shift Supervisor and the Control Operations Foreman (COF) are both Senior Reactor Operators (SROs) who will be trained in accordance with ~~the April 30, 1980 INPO~~ guidance ~~document~~ provided ~~under~~ in NUREG-0737, item I.A.1.1, "Shift Technical Advisor." The Shift Supervisors will be primarily responsible for Emergency Direction and Control. The COF will be primarily responsible for technical support in plant system engineering, repair, and corrective actions. The SS or the COF ~~and hence a qualified STA~~ will be in the control room at all times.

The Emergency Director is the Plant Manager or designated alternate (as shown in Table 13.3-4) and is responsible for

all onsite activities and personnel. He will operate from the TSC and coordinate all procedures involving the Main Control Room, TSC, OSC, onsite evacuation assembly areas, and the Primary Access Point. The Emergency Director, upon assuming emergency assessment responsibility from the Shift Supervisor, will conduct a detailed evaluation of plant conditions. If necessary, he will ~~recommend~~ reclassify ~~ication of~~ the event ~~to the Recovery Manager~~. EOF Manager in accordance with the EIPs.

The ~~Emergency Operations Facility Coordinator~~, stationed in the EOF, operates under the direction of the Recovery Manager and will coordinate required emergency actions with offsite organizations. He will be responsible for updating appropriate offsite authorities and arranging consultations with senior utility staff members, the States of Louisiana and Mississippi, and the NRC. The ~~Emergency Operations Facility Coordinator~~ Manager, upon authorization from the Recovery Manager, will request Federal assistance if necessary. ~~He will act as a liaison with offsite medical, police, and firefighting personnel and other Federal~~, EOF

He will act as Liason for Federal, State and local agencies in arranging for their support of the onsite emergency response. 4

13.3.4.2.2 Plant Staff Emergency Assignments

In order to minimize confusion and assist in the control of the emergency response, the emergency organization has been designed so that only one person, or his alternate, is responsible for the implementation of specific emergency actions. The organization for each emergency classification is shown on Fig. 13.3-7 through 13.3-~~12~~9. Table 13.3-5 correlates the emergency organization job titles with normal operational titles. ~~Table 13.3-6 details emergency organization functional areas.~~

In order to ensure the continuity of the response, provisions have been made for a dual shift operation which will provide 24-hr coverage of emergency positions. In addition, the functional areas of responsibility will remain flexible enough to accommodate the needs of the emergency and the availability of personnel. The Administrative and Logistics ~~Manager~~ Advisor will be responsible for assuring continuity of resources while emergency conditions exist.

13.3.4.2.2.1 Plant Operations and Assessment of Operational Aspects

Upon declaration that an emergency exists, the Shift Supervisor will maintain his station in the Main Control Room and assume the functions of the Recovery Manager and the Emergency Director. Two Nuclear Control Operators (ROs) and two Nuclear Equipment Operators on each shift will have no other duties except to assist in plant operational control from the Main Control Room. A third Control Operation~~s Foreman~~ or (SRO) and ~~two~~ three additional Nuclear Equipment Operators will be available at all times, but collateral responsibilities may require that they assist in repair and/or protective actions. 4

Assessment of the plant status and degree of safety degradation will be initially evaluated by the Shift Supervisor. He will base his evaluation on plant instrumentation and reports from technical personnel making actual examination of equipment. The Shift Supervisor will retain the assessment responsibility and will continue the assessment until relieved of this responsibility by the individual designated to be the Emergency Director. ~~Technical support personnel will keep the Emergency Director advised of the plant status.~~ 4

~~The manpower response and timing considerations for the River Bend Station emergency response organization are illustrated in Table 13.3-5.~~ RBS 8

Shift personnel are considered to be immediately available to respond to the emergency situation and initiate emergency response actions from the Main Control Room and the ~~Technical Support Center~~ (TSC). Other station personnel assigned to the emergency response ~~positions~~ may be offsite at the time of initiating ~~response actions.~~ The timing considerations identified in Table ~~13.3-5~~ reflect their anticipated reporting times.

events
8
organization
Table 13.3-17

The TSC and the ~~Operations Support Center~~ (OSC) are manned by designated station personnel ~~and NRC inspectors.~~ The ~~Emergency Operations Facility~~ (EOF) is manned by designated River Bend Nuclear Group personnel and federal, state and local officials.

13.3.4.2.2.2 Notification/Communication

Notification of initiated responsible Federal, State, and local agencies will be ~~conducted~~ upon the declaration of an Equipment emergency by the Shift Supervisor. Initially, a Nuclear ~~Control~~ Operator will be designated as a Communicator to conduct the notification from the Main Control Room using the ~~Initial~~ Notification ~~Form.~~ Procedure.

8 4

Upon arrival of additional personnel and communications the activation of the emergency response facilities, ~~notification~~ responsibility will be divided into two groups. ~~Outside technical support and SSU notification~~ will be ~~directed~~ from the TSC, where ~~two~~ additional personnel will be assigned as Communicators. ~~Governmental/public notification~~ will be ~~directed~~ from the EOF by a Communicator working closely with the EOF ~~Coordinator.~~ Personnel that are assigned to Communicator positions will have technical backgrounds so that they may effectively transmit information.

4
onsite communications
offsite communications 8
initiated
coordinated
Manager

13.3.4.2.2.3 Radiological Accident Assessment

4 Upon the occurrence of an off-normal event, the Shift Supervisor will assess the amount of radiation released and the potential for further releases based upon readouts from installed monitors, in-plant surveys, and samples. A Radiation Protection Technician and a Chemistry Technician will be assigned to each shift to support the Shift Supervisor in performing radiation surveys and obtaining samples as directed.

The fully implemented emergency organization will divide radiological accident assessment into onsite and offsite groups. The onsite group will be under the supervision of the Radiation Protection ~~Supervisor.~~ ~~The onsite group consists of three in-plant surveyors and two onsite surveyors, under the direction of the Radiation Protection Foreman.~~ The onsite group is stationed at the OSC. ~~Two~~ Chemistry Technicians, under the coordination of the OSC ~~Director~~, will also be available in the

Coordinator
4
Coordinator

water

Radiation Protection Technicians

Radiation Protection Advisor

OSC to assist in accident assessment. ~~Plant surveyors~~ can use portable equipment described in Appendix E to determine radiation levels and contamination levels from liquid and gaseous releases. Chemistry technicians can provide samples of reactor coolant and containment suppression pool to analyze for radioisotopic concentrations, ~~from liquid releases~~. Offsite radiation surveys will be directed and the results analyzed by the ~~Health Physicist~~ at the EOF. Each team ~~composition~~ includes ~~four offsite~~ Radiation Protection ~~Surveyors who are health physics trained technicians~~. The team is notified using appropriate ~~Emergency Implementing Procedures~~. Field assessment is performed by these technicians using the survey equipment specified in Appendix E. Radiological monitoring equipment for use by offsite dose assessment teams is stored in the EOF, which is their assembly area. The team will obtain samples in the local area as directed for analysis. The particulate filter and ~~charcoal~~ cartridge ~~are~~ may be transported to the EOF to be analyzed completely using a multi-channel analyzer. The offsite teams have dedicated vehicles that are radio equipped for communications back to the EOF. In addition, portable radios will be available for use by the offsite emergency response teams. Deployment times for the offsite teams range from 45 minutes to 1 hour and 30 minutes.

atmosphere or containment

Technician ~~from~~

of which at least one is a

EIPs

1

4

two individuals

a

Silver Zeolite

In order to provide continuous coverage of all positions, personnel with technical backgrounds will be trained to provide backup and relief to normal organization Radiation Protection and Chemistry personnel.

13.3.4.2.2.4 Plant Systems Engineering, Repair, and Corrective Actions

There will be an Instrument and Controls Technician and a Nuclear Equipment Operator assigned to each shift. These individuals will respond to any plant maintenance requirements, as directed by the Shift Supervisor. The Nuclear Equipment Operator will have additional training and qualifications in operation of the plant radiation waste system~~, and plant mechanical maintenance~~.

Depending upon the type and severity of the emergency, a minimum of eight additional ~~technical~~ support personnel are available onsite within 60 min. The maintenance and repair personnel will operate out of the OSC, as directed by the ~~Plant Maintenance Supervisor~~ Maintenance Coordinator in the TSC.

Technical support will be provided by available ~~River Bend Station~~ personnel. The ~~Technical Support~~ Manager will be the coordinator of this group which will develop plans and procedures to return the plant to a safe status. This organization is detailed on Fig. 13.3-~~2~~9.

13.3.4.2.2.5 Protective Actions and Decontamination (In-plant)

Radiation protection coverage will be provided by the Radiation Protection staff. Four additional Radiation Protection Technicians are available within 60 min after notification of a radiological emergency. These Radiation Protection Technicians, working out of the OSC, under the direction of the Radiation Protection Foreman, will perform monitoring, provide radiation protection support, and limit access to radiation-controlled areas. In addition to the radiation protection coverage provided by the Radiation Protection staff, ~~Radiation Surveyors will be available on all shifts~~. Chemistry and Operations personnel will be trained in the use of portable survey instruments. 4

Decontamination of both personnel and equipment will be under the direction of Radiation Protection Section personnel in accordance with ~~River Bend Station~~ RBS procedures.

13.3.4.2.2.6 Firefighting

A Nuclear

The site Fire Brigade will consist of five people on each shift trained in firefighting procedures. ~~The~~ Control Operations ~~Foreman~~ Supervisor will act as the Fire Brigade Leader and keep the Shift Supervisor informed from the scene of the fire. Additional firefighters will respond to the fire and will be assisted, if necessary, by the local fire department. Firefighting operations will be directed by the Fire Brigade Leader. 4

13.3.4.2.2.7 Rescue and First Aid

Sufficient numbers of ~~River Bend Station~~ RBS personnel will be trained in first aid and rescue procedures, so that at least one qualified individual will be present onsite during each shift. In situations involving radiation contamination, a Radiation Protection Technician will provide radiation protection coverage for both injured and emergency response personnel. Coordination of first aid and rescue operations with offsite support organizations will be the responsibility of the Emergency Director. He will be familiar with their capabilities so that their assistance may be maximized.

13.3.4.2.2.8 Site Access Control and Personnel Accountability

~~River Bend Station~~ RBS security personnel will implement special procedures to control both personnel and vehicular access to the site during a declared emergency. These procedures, and the personnel involved, are detailed in the Security Plan and ~~Safety~~ Safeguards Contingency Plan.

The Security Access Control System (SACS) has the capability of tracking persons within the Protected Area and on command can provide the necessary data for personnel accountability within 30 minutes of declaring a Site Area or General Emergency and continuously thereafter. This system will be utilized by the Emergency Director when it is determined that an evacuation is necessary.

In the event that the SACS is inoperative, a manual badge exchange system will be used to perform accountability. The manual badge exchange system consists of two types of badges, a take-home badge and an in-plant badge. The take-home badge would be exchanged for the in-plant badge at the badge rack upon entering the RBS Primary Access Point (PAP). Upon exiting the RBS PAP, the exchange process would be reversed. For accountability purposes, all personnel will be directed to an assembly area. Card reader printouts or badges collected will be reported to the TSC for accountability, and security personnel will verify all in-plant personnel are present or will ascertain the names of missing individuals.

Security will account for all personnel if evacuated through the PAP or the alternate point at the South Railroad Gate. Badges collected in assembly areas would be transported to the TSC for accountability. In assembly areas, persons without their badge would have their name recorded.

If the PAP and the alternate point are evacuated, accountability is controlled from the TSC where an alternate security computer terminal and printer are available.

13.3.4.3.1 GSU Headquarters

During an emergency at ~~River Bend Station,~~ RBS the ~~GSU general office in Beaumont assumes a supportive role. The~~ Recovery Manager provides emergency information to the Chief Executive Officer for information only.

If, in the event that authorization of funds is required above the Recovery Manager's authorized level, he will consult the Chief Executive Officer (CEO) as governed by GSU Approvals and Authorization Procedures.

The GSU Treasurer and Controller will administrate funds required by RBNG during the emergency and recovery phase. The procedures used to govern this interface are the GSU Approvals and Authorization Procedure, Departmental Accounts Payable Procedures, and General Accounting Procedures in accordance with 18CFR101 Subpart C prescribing the uniform system of accounts.

The Manager of Risk Management is responsible for handling insurance claims and provides interface with the insurer on a case-by-case basis when instructed by the Recovery Manager. The Manager of Legal Services is responsible for providing legal counsel and handling liability cases filed on a case-by-case basis under the applicable judicial system when requested by the Recovery Manager.

13.3.4.3.2 Local Support Services

During the operation of RBS ~~River Bend Station,~~ it may become necessary to request and utilize assistance provided by local organizations and agencies. Agreements and understandings have been made with the following organizations and agencies to provide direct onsite assistance if necessary.

1. St. Francisville Volunteer Fire Department

   When requested, the St. Francisville Volunteer Fire Department will provide firefighting assistance.

emergency treatment for radiation exposure in REACTS, the individual may be transferred to a local hospital for conventional medical care.

8. Illinois Central Gulf Railroad Company

GSU purchased, from Illinois Central Gulf Railroad, 1.2 mi of railroad south of the connection to the River Bend Station Plant access railroad. From this junction northward past GSU's property boundary, Illinois Central Gulf Railroad is abandoning the track which traverses the site in a northwest-southeast direction (Figure 13.3-27).

~~9. Utility Mutual Assistance~~

~~Gulf States Utilities, Arkansas Power & Light Company, Louisiana Power & Light Company, Mississippi Power & Light Company, and the Middle South Services Inc. have agreed to assist each other in times of a nuclear power plant emergency or for training exercises. The~~

9. Institute of Nuclear Power Operations

As a signatory of the Nuclear Power Plant Emergency Response Voluntary Assistance Agreement, GSU can request personnel or equipment resources to assist in the mitigation of an emergency condition at RBS. Copies of the INPO Emergency Resource Manual are available in the TSC and EOF.

available resources of each organization are contained in the Mutual Assistance Plan. This assistance generally includes: skilled technical or management personnel; supplies and equipment and design, engineering or other technical advice.

10. General Electric

When requested, General Electric will implement its BWR Emergency Support Program.

11. Stone & Webster Engineering Corporation

When requested, Stone & Webster Engineering Corporation will implement its emergency plan designed to assist the River Bend Station.

13.3.4.4 Coordination with Participating Agencies

This section identifies the principal Louisiana and Mississippi State agencies (designated State authority) and other governmental agencies (local, State, and Federal) that have planning and/or implementation responsibilities for emergencies which occur within the EPZs of the River Bend Station. Fig. 13.3-12 through 13.3-18 show the overall interrelationships of the key participating agencies and the station. An annual meeting with the States of Louisiana and Mississippi and the five local River Bend Parishes will be held to discuss the protective action decision process which will allow for ~~alerting~~ notifying the public of an emergency situation at River Bend Station. (See Section 13.3.3.3)

13.3.4.4.1 State of Louisiana and ~~River Bend~~ Parish Agencies

The Department of ~~Natural Resources,~~ Environmental Quality / Assistant Secretary of the Office of ~~Environmental Affairs (ASOEA),~~ Air Quality and Nuclear Energy through the Louisiana Nuclear Energy Division (LNED) under the Environmental Affairs Act-LRS 30:1051 et seq. has the authority to develop and implement a statewide radiological emergency preparedness plan and to coordinate the development of specific emergency plans for the communities surrounding River Bend Station. It is the responsibility of the LNED to ensure that these plans include planned protective actions for the general population within the EPZs (10-mi radius plume exposure and 50-mi radius ingestion pathway). In addition, the LNED is responsible for coordinating offsite decontamination efforts, issuing relocation and evacuation recommendations, and protecting the safety and welfare of the public. Representatives from LNED will be dispatched to the River Bend Station EOF to represent the LNED in coordination of the emergency response. At a Site Area or General Emergency, GSU will dispatch a technical representative to each of the five

Assistant Secretary

actions provided by GSU will be evaluated by the ~~ASOEA~~ and personnel from the LNED. ~~GSU will send a utility representative to the activated State EOC.~~ GSU will send a utility representative to the activated State EOC.

State accident assessment and control will originate from LNED offices in Baton Rouge. If warranted, the State ~~Emergency Operations Center~~ (EOC) in Baton Rouge will be manned. Assessment activities will be coordinated with the utility and the Fixed Facility Response Teams (FFRT) which will be dispatched to the River Bend Station area to verify the initial accident assessment made by River Bend Station personnel. The FFRT field teams will make area radiation surveys and collect environmental samples for radiological analyses. Results of their surveys and samples will be evaluated by the ~~ASOEA~~ and used in continuing assessment of the accident and resultant recommended protective actions. If additional mobile laboratory assistance is required, the ~~ASOEA~~ will make arrangements for Federal Radiological Monitoring and Assessment Plan (FRMAP) resources.

Assistant Secretary

Other Federal, State, and local agencies will provide assistance, as required, to the LNED in evaluating the radiological hazards and in implementing the appropriate protective actions in accordance with the Louisiana Peacetime Radiological Response Plan and its River Bend Station Attachment. In accordance with these plans, the following State and local agencies will assist the LNED, in carrying out this responsibility.

1. Department of Public Safety through the Louisiana Office of State Police (LSP) will provide:

   a. In coordination with the Parish Sheriff's Offices, assist in traffic control operations for the risk and support areas during an evacuation, particularly on State or Federal highways.

   b. In coordination with the Parish Sheriff's Offices, assist in establishing access control to the designated risk area.

   c. In coordination with the Parish Sheriff's Offices, assist in providing law enforcement support to the risk and support areas after an evacuation.

   d. Provide communications support to field operations of responding State agencies.

the totality of circumstances which exist at the time of the request. 8

4. Federal Aviation Administration (FAA)

The FAA, at the request of LNED, will control the use of airspace in the 10-mile EPZ of ~~River Bend Station.~~ RBS

5. National Weather Service (NWS) 4

When requested, the National Weather Service will provide back-up meteorological data for the ~~River Bend Station~~ EPZ's. RBS

RBS Air transportation of responding personnel and equipment can be conveniently accommodated at the Baton Rouge Metropolitan Airport - Ryan Field located approximately 20 miles southeast of ~~River Bend Station.~~ Office space and communication facilities are provided for NRC representatives in the ~~Technical Support Center. Office space and communication facilities for NRC, DOE, and Federal Emergency Management Agency (FEMA) representatives will be provided in~~ the ~~Emergency Operations Facility~~. 8 11

TSC and EOF.

13.3.5 Emergency Measures

GSU utilizes a method for classifying ~~both onsite and offsite~~ emergencies, which results in four distinct classes. Definitions for each class, criteria for classifying emergency situations, and examples of emergencies falling in each class are described in Section 13.3.3.

An emergency procedure for each designated class is provided in the ~~Emergency Implementing Procedures~~ (EIPs). Each of these emergency procedures will be initiated on the basis of measured variables and at specified conditions, or at other times specified by either the Shift Supervisor or the Emergency Director. These implementing requirements are referred to as EALs. EALs, as discussed in Section 13.3.3.1, are provided in the EIPs used in classifying emergencies. | 4

The initial evaluation by the Shift Supervisor of abnormal conditions and situations, as well as accidents, will result in the initial classification of the emergency and the implementation of the appropriate procedures. The emergency actions will, as appropriate, require notification of the Emergency Director, other emergency organizations and personnel, and reassessment of the conditions and/or situations. As described in Appendix F, the EIPs associated with each emergency classification also apply to higher level emergencies. | 4

Reassessment of the emergency may result in carrying out additional emergency actions, further notification of emergency organizations and personnel, or reclassification.

13.3.5.1 Activation of the Emergency Organization

The emergency organizations for each class of emergency are depicted on Fig. 13.3-7 through 13.3-9. It is evident from these figures that a progressively larger response is required for each successive class of emergency. Notification of offsite support groups and agencies is illustrated on Fig. 13.3-16. Offsite communications are illustrated on Fig. 13.3-17. | 4

EIPs provide for notification message authentication, as appropriate.

The response times of individuals assigned to the emergency organization during various weather and traffic conditions were studied to determine residential patterns. | 15

equal dispersion or dose on a site map based on the last 10-minute average of meteorological data recorded. To generate release rates from effluent paths, data from the 10-minute radiation effluent data file are combined with isotopic composition data to generate release rates for each isotope. Since the isotopic composition of the effluent varies with different types of accidents and since there is a time lapse between the time of the accident and when data is analyzed, the operator can choose from three options for isotopic composition. These are:

1. Obtain pre-established isotopic mix estimates from files for various accidents.

2. Isotopic composition from a post-accident multi-channel analyzer (MCA) sample.

3. Isotopic composition from the most current MCA data file.

The offsite teams will have the capability of ~~measuring~~ estimating iodine concentrations to ~~the 5×10^{-8}~~ less than 10^{-7} uCi/cc range using ~~a portable gamma spectrometer and detector for analyzing the charcoal filters~~ equipment in the field. Should there be an accidental liquid release, isotopic concentration from the most recent liquid sample from the assumed source of the release will be used to determine the concentration of the release until actual post accident sample data is available. 11

Using the pre-established conservative dilution factors, a relative concentration will be calculated for selected downstream locations where Mississippi River water is used for human consumption or industrial applications. Knowing the concentration and assuming usage factors consistent with current regulatory guidance (Regulatory Guide 1.109), calculations of potential offsite doses will be made.

Insert to pg.13.3-42a ~~In addition to determining the offsite doses, estimated arrival times for uncontrolled radioactive releases will be calculated using pre-established conservative river flow data.~~

Subsequently, LNED/LOEP will notify the appropriate downstream water users ~~will be notified~~ and provided instructions with respect to potential liquid activity arrival time and if appropriate water intake shutdown recommendations.

Manual methods of calculation are also available to accomplish offsite dose projections. In addition, contamination levels can be determined from field samples. 10

Insert to pg. 13.3-42a

If the calculated offsite doses exceed the EPA Protective Action Levels for ingestion, the State will be promptly notified. Follow-up sampling and analysis of river water will be instituted to determine actual radioisotopic concentrations in the river. LNED and LOEP will be updated on the more specific values as soon as the information is available.

Meteorological information is accessed via computer CRTs in the TSC and EOF. This information will be available in the Main Control Room. Communication links to the NRC (as illustrated in Fig. 13.3-17) are available to relay information to the NRC from any of the above centers.

The outputs previously listed, along with confirmatory information obtained from offsite assessment equipment (Table 13.3-9), will enable the emergency response personnel to ~~operator~~ to continuously assess any risks to the public due to actual or potential radioactive releases and recommend appropriate actions based on the protective action guidelines, as established by the Environmental Protection Agency Manual on Protective Actions and Guides for Nuclear Incidents (EPA-520/1-75-001). The criteria provided in Tables 13.3-14 and 13.3-15 and guidance provided in the EIP's are used to determine the appropriate Protective Actions.

Accident conditions of radiation levels in containment will be indicated by high range containment area monitors. Radioactive material available for release from the containment can be estimated using the readout from these monitors in conjunction with the graphs in Figures 13.3-25 and 13.3-26, relating area monitor reading in containment versus time for the following accident situation radioactive releases:

1. 100 Percent Fuel Inventory (Fuel Inventory as defined by Reg. Guide 1.3 results in 100 percent of the noble gases and 25 percent of the halogens in the core available for release from the containment).

15

13.3.5.3 Corrective Actions

Normal operating procedures contain steps to take preventative and/or corrective actions in order to avoid or mitigate serious consequences. Plant personnel training is a vital factor in assuring that corrective actions are taken in an expeditious manner. The instrumentation and control system monitors provide indication/recording and automatically regulate systems necessary for the safe and orderly operation of the unit. These systems provide the operator with all information and controls needed to start up, operate at power, and shut down the unit. They also provide means to cope with abnormal operating conditions should they occur. Control and display of information from these various systems are centralized in the Main Control Room at locations convenient to the operator. This instrumentation and sampling capability provides the basis for initiation of protective actions. Initial actions during radiological incidents will follow the guidance of the ~~River Bend Station Radiation Protection Manual.~~ RBS EIP's.

Corrective actions will also involve response in the following areas.

13.3.5.3.1 Damage Control, Repair, and Decontamination

For Notification of Unusual Event and Alert level emergencies, station personnel are normally able to handle cleanup, repair, and damage control. For Site Area Emergencies, the support of company personnel, ~~specialized outside contractors, and nuclear-oriented businesses may be~~ additional may be required to assist in the damage control, ~~cleanup,~~ and repair operations. General Emergency recovery will be handled with the assistance of agencies and contractors ~~available for that purpose.~~ Decontamination of equipment will be accomplished in accordance with the River Bend Station Radiation Protection Manual.

13.3.5.3.2 Firefighting

A Nuclear

A fire brigade is available onsite at all times to respond to a fire emergency. ~~The~~ Control Operations ~~Foreman~~ or will be the Fire Brigade Leader. Radiation Protection personnel will supervise ~~re~~entry of firefighters into radiation or contaminated areas in accordance with the ~~River Bend Station~~ RBS Radiation Protection Manual. The ~~Recovery Manager~~ Emergency Director is authorized to request assistance from the St. Francisville Volunteer Fire Department to support the efforts of site personnel.

13.3.5.4 Protective Actions

The EIP used in classifying emergencies has predetermined EALs that, when met or exceeded, will require the implementation of one of four EIPs. These EIPs contain specific actions to be taken and reference other EIPs that may be necessary to use in response to the emergency. In addition, the Shift Supervisor or the Emergency Director may implement procedures as they determine necessary. Each implemented procedure has emergency actions that are required. These emergency actions include assessment actions, corrective actions, and protective actions. Protective actions will ensure that personnel, both onsite and offsite, will be notified and actions will be initiated for their protection in the event of an onsite radiological emergency.

Protective actions taken onsite are the responsibility of the Emergency Director, while those actions taken offsite fall under the jurisdiction of LNED and MSBH-DRH, the Local Parishes,

4 13.3.5.4.1.1.3 Onsite Evacuation and Relocation

Onsite evacuations, depending on the nature of the emergency and the extent of the area affected, have been defined as Limited, Building, Protected Area and Owner Controlled Area 8 4 Evacuations.

The Emergency Director or his designee will be responsible for ordering evacuations. These evacuations will be made after careful consideration of the benefits and risks 11 involved. ~~On a case-by-case basis,~~ the Emergency Director will evacuate all nonessential personnel during a Site Area or General Emergency. Personnel accountability of all onsite individuals will be accomplished within 30 minutes of 13 the start of an emergency and be maintained continuously 11 thereafter. In general, evacuations will be in accordance with the following guidelines:

1. Limited Evacuation - A limited evacuation is 8 defined as the withdrawal of personnel from a single area within a building.

3. Protected Area Evacuation - A protected area evacuation is declared whenever unexpected or uncontrolled hazards or radiation exposure rates in excess of expected levels as indicated by two or more area radiation alarms in two or more buildings within the protected area. A protected area evacuation excludes evacuation of personnel ~~in the Main Control Room or TSC.~~ assigned to the emergency organization. 11

When a protected area evacuation is declared, all nonessential personnel inside the protected area will proceed to the ~~Primary Access Point~~ for accountability and to the ~~Administration Building (outside)~~ for radiation monitoring. Depending on the specific radiological conditions, personnel may be directed to the Alternate Evacuation Point for accountability and the Alternate Evacuation Point Assembly Area (outside the Alternate Evacuation Point) for radiation monitoring. PAP EOF

4. Owner Controlled Area Evacuation - An owner controlled area evacuation is declared whenever extensive unexpected and uncontrolled hazards exist substantially beyond the protected area and extend into the owner controlled area. 11

An owner controlled evacuation will be ordered if personnel beyond the protected area and within the owner controlled area are exposed to radiation levels that exceed 2.0 mrem/hr above background. 8 11

All nonessential personnel will be directed to the ~~Primary Access Point~~, or Alternate Evacuation Point where they will be accounted for. All nonessential personnel will then be directed to proceed via private automobile to the Evacuation Assembly Area East (intersection of the North Access Road and State Highway 61), the Evacuation Assembly Area West (intersection of the North Access Road and State Highway 965), or the Alternate Evacuation Point Assembly Area (outside the Alternate Evacuation Point) dependent on the weather conditions, traffic density or specific radiological conditions. Personnel will be monitored for radiation and instructed to remain at the assembly area until otherwise directed. EALs for evacuation described previously are intended as guidelines and are not to be considered inflexible limits, nor are they to be considered safe levels below which no protective action is indicated. PAP

Detailed procedures for evacuation are provided in the EIPs.

If an evacuation is ordered, appropriate accountability measures will be taken. Security personnel will coordinate with the Radiation Protection Technicians that are monitoring evacuees to ensure a rapid and comprehensive accounting of site personnel. When a protected area or owner controlled area evacuation is ordered, the Station Security Force will take action in accordance with the Security Plan and Safeguards Contingency Plan to verify that an orderly, safe withdrawal of all nonessential personnel within the affected areas takes place. They will be responsible for personnel notification of areas within the protected area and the owner controlled area not covered by the public address system. If a protected area evacuation is ordered, personnel will be accounted for as they process through the PAP ~~Primary Access Point~~. During an owner controlled area evacuation, personnel will be accounted for at the PAP ~~the Primary Access Point~~ or the Alternate Evacuation Point. Accountability procedures have been developed to account for all personnel evacuating the Protected Area and to ascertain the names of missing persons within 30 minutes of the declaration of a Site Area or General Emergency. Personnel monitoring will be performed at the designated assembly area.

During an onsite emergency that involves the release of radioactive material, the Emergency Director will, as appropriate, request assistance from offsite agencies in controlling access to the owner controlled area. In addition, he will keep the LNED and MSBH-DRH informed of projected offsite doses until the EOF becomes operational.

13.3.5.4.1.1.4 Evacuation Times

The estimated elapsed times, measured from the time of initial warning to persons required to evacuate identified areas of the site, are as follows:

1. Limited Evacuation (1 to 10 min) - This is considered a realistic time to evacuate personnel from a single area within a building.

2. Building Evacuation (10 to 20 min) - This is considered a realistic time for all nonessential personnel from two or more large operating areas within one building to assemble in the dining area in the Services Building.

3. Protected Area Evacuation (15 to 40 min) - This is considered a realistic time to evacuate all nonessential people from the protected area.

4. Owner Controlled Area Evacuation (30 to 60 min) - This is considered a realistic time to evacuate nonessential personnel within the protected area and the owner controlled area.

13.3.5.4.1.1.5 Monitoring Evacuees

All individuals inside the protected area who may potentially enter the radiation-controlled area are required to have in their possession personnel monitoring devices capable of measuring the dose received from external sources of ionizing radiation. These devices consist of TLD or film badges for permanent record and may include direct reading dosimeters for day-to-day indication of external radiation exposures. A combination of checking dosimeters and questioning evacuees will be used to determine if any high external exposures have been involved in the emergency. For any known or suspected high exposures, the permanent badge will be read as soon as possible and further investigation will be conducted to determine the amount of exposure and the necessary action to be taken.

Monitoring for contamination and internal ingestion at the assembly areas will be accomplished by using portable instrumentation and questioning. Priority for decontamination will be given to persons found with the highest levels of contamination. Any persons suspected or known to have ingested radioactivity will be evaluated by a whole body count and/or bioassay, as soon as conditions permit, to assess internal exposure.

Facilities are available at the EOF for decontaminating evacuated, non-essential personnel. A decontamination room, located in the EOF, contains the facilities and the equipment needed for decontaminating personnel. Appendix E lists ~~the~~ decontamination supplies and equipment. Personnel

monitoring equipment and extra clothing are maintained at this facility. | 8

13.3.5.4.1.1.6 Search and Rescue | 4

Search and Rescue procedures will be implemented during an emergency when either a personnel accountability check shows a person(s) missing or a known individual(s) requires rescue assistance. These procedures identify available first aid | 4

and rescue equipment. ~~as well as provide area checklists to ensure complete plant coverage. In areas that do not involve exposure to radioactivity, these procedures will be performed by trained fire brigade personnel. Where contamination is a consideration, Radiation Protection personnel will be responsible for providing radiation protection coverage during search and rescue operations.~~ Operations requiring excessive and/or voluntary exposure will be conducted according to Table 13.3-10 and Section 13.3.5.5.1 of this plan. Any emergency actions that allow exposures above established limits must have real trade off benefits. In all situations, the general practice of keeping radiation exposures to a minimum are followed, and all persons subject to exposures must be equipped with adequate dosimetry devices to allow accurate evaluation of their exposures.

INSERT

13.3.5.4.1.2 Offsite Protective Actions

LNED has been charged with the obligation, authority, and overall responsibility for the administration, implementation, application, and coordination of offsite radiological emergency procedures in the event of a radiological incident in the State of Louisiana. The Louisiana Peacetime Radiological Response Plan and its ~~River Bend Station~~ RBS Attachment detail LNED's role and delineate responsibilities of planned participants. The Memorandum of Understanding, included in the Louisiana plan, presents the notification and reporting requirements endorsed by LNED and GSU. 4

For the State of Mississippi, the MSBH-DRH is responsible for advising State and local officials on the implementation of protective actions. The Mississippi Radiological Emergency Plan defines MSBH-DRH responsibilities and functions during a radiological emergency.

in a protective action section.

If an incident occurs during off-normal hours, a dedicated telephone system provides means for RBS to notify, 24 hrs per day, the five parishes in the 10-mi EPZ, LNED, and LOEP simultaneously of any emergency classification and any recommended protective responses for the public within 15 min of declaration and/or decision. Upon reaching a decision to implement a protective response, each Parish Police Jury President, through the Civil Defense Director, will first ensure that an Emergency Broadcast System (EBS) message coordinated with other parishes is ready to be broadcast by the East Baton Rouge Parish ~~Emergency Operation Center~~ EOC EBS radio stations. Control consoles in each of the five parish ~~Emergency Operations Centers~~ EOCs allow activation of 15

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13.3.5.4.1.1.7 Re-entry into Evacuated Areas

When an evacuation is conducted as a result of excessive radioactive material release outside normally controlled areas a contamination survey shall be conducted of that area. The area is not returned to normal use until radioactive contamination levels are below the established limit for uncontrolled areas as defined in the Radiation Protection Plan.

,or his designee,

The Recovery Manager will notify, via the ~~River Bend Station~~ RBS Emergency Hotline, the duty officers of the LNED, LOEP, and the sheriff dispatchers of East Feliciana, Point Coupee, East Baton Rouge, West Baton Rouge, and West Feliciana Parishes. The RBS Emergency Hotline is the primary means of communications with offsite officials and is a dedicated telephone system. Since it can be activated only from the RBS Main Control Room, TSC, or EOF, it is a self-verifying system and can be used to identify persons initiating and receiving the notification. If the radio system, which is the secondary means of communications, must be used, offsite agencies will contact RBS through a confidential telephone number to verify the initial notification call. Assistant Secretary of the Office of Air Quality and Nuclear Energy.

If an accident occurs after normal working hours, it is the responsibility of the LOEP Duty Officer to ensure that the ~~ASOEA~~ (LNED) and the ASOEP receive the initial notification message. In addition, LNED will notify the U.S. Coast Guard, Eighth District, and the FAA, if warranted. LOEP will notify the National Warning Center that an emergency condition is in progess at the ~~River Bend Station~~ RBS site.

, or his designee,

For Mississippi, the Recovery Manager will notify the Mississippi Highway Safety Patrol (MHSP) Headquarters. The MHSP Headquarters is the State Warning Point and will receive the initial notification at all times. MSHP will notify MEMA and MSBH-DRH to initiate the response effort.

The initial communications scheme is shown on Fig. 13.3-16. Fig. 13.3-17 shows the primary and secondary communications between GSU and key Federal, State, and local agencies. Initial information will be conveyed using the Initial Notification Form contained in the appropriate EIPs. The Initial Notification Form contains the following information:

a. Location of incident and name and telephone number (or communications channel identification) of caller.

b. Date/time of incident.

c. Class of emergency.

13.3.5.4.1.2.2 Public Notification And Information

RBS ~~River Bend Station~~ shall ensure that the means exist to notify and provide prompt emergency instructions to the population within the plume exposure pathway ~~Emergency~~ EPZ ~~Planning Zone~~. Essential elements of the notification system involve installation of notification hardware and regular instruction of the community in emergency preparedness. The permanent and transient adult population will be provided emergency information on an annual basis. The information provided shall be prepared by GSU, LOEP, five local LNED, and the ~~River Bend~~ Parishes. This information will be updated annually and may include, but will not necessarily be limited to: educational information on radiation, contacts for additional information, information on respiratory protection, sheltering, evacuation routes and relocation centers and special needs of the handicapped and aged. Dissemination of this information will be accomplished by: information in the telephone book; periodic enclosures in utility bills; posting in public places and publications distributed on an annual basis. 4

In addition, GSU will conduct programs annually to acquaint 8 news media personnel with the emergency plan, information concerning radiation, and points of contact for release of public information during an emergency.

RBS
During an emergency, the ~~River Bend Station~~ Recovery Manager will recommend protective actions to LNED and MSBH-DRH. the five local parishes LNED and MSBH-DRH will advise appropriate parish and county agencies of the state of the emergency and recommended 8 protective actions. A UHF Repeater Base Station is utilized for primary communications to the sirens located within the 10-mi ~~Emergency Planning Zone~~ (EPZ). Control signals and, in the case of a two-way system, all status monitoring transmissions are processed through the base station. This repeater station interfaces directly with a master control 15 unit (MCU) that initiates the radio command signals to the sirens in response to requests for activation from one or more of the remote control units (RCU) located in each parish's ~~Emergency Operation Center~~ (EOC). Three of these parish control units are located within close proximity to the repeater base station to utilize radio communications in delivering the request for activation signals to the MCU. The other two locations utilize a combination of dedicated leased telephone circuits and GSU-owned microwave facilities. These two units use 4-wire audio/tone transmission techniques so that the activation request signals may be transmitted over the EOCs.

5. The counter mechanism located in the siren units counts only actual operations of the siren, not cancel or arm signals.

6. Measures have been incorporated into the siren units to avoid damage or false activation due to electrical surges, spikes, or other induced electrical influences.

7. Electrical protection provided in siren units covers the following areas:

   a. 120-volt ac input point

   b. Interface between radio and siren control unit

   c. Interface between siren control unit and amplifiers

   d. Interface between ac supply and battery charger system

   e. Interface between battery charger and batteries

   f. Protection between radio antenna and radio unit

8. Any transformer or other method of isolation used in the ac input portion of the siren unit does not alter the incoming voltage more than plus or minus 5 percent.

9. Activation signals from each parish assure that they are received and acted on, even if all five parishes attempt activation at the same time.

10. The MCU records all transmissions from the parishes and is able to provide detailed printouts of the times, units to be activated, and cancels or aborts actions.

The Prompt Notification System for the 10-mi EPZ of the River Bend Station meets the design objectives of Reg. Guide 1.101, Rev. 2, (Appendix 3 of NUREG-0654). This system ~~will~~ consists of sirens and/~~or tone~~ alert ~~devices~~ monitoring radios which ~~will~~ provides comprehensive coverage of the local residential and transient population. The alert tone ~~will~~ of the sirens indicates that local radio and television stations are broadcasting further instructions, giving details of the

Insert

event and the recommended protective action, provided by the Emergency Public Information Officer. Draft messages for the public are included in the Louisiana Peacetime Radiological Response Plan, its River Bend Attachment and the Mississippi Radiological Response Plan. The general public will be provided a telephone number to call to receive the latest information regarding emergency conditions (rumor control). Rumor control will be coordinated by GSU personnel under the direction of the

Insert for Page 13.3-54C

The persons in the special facilities are advised of an emergency situation by the activation of alert monitor radios which can be activated by each Parish's 24-hour notification point dispatcher or the communicator in the respective parish emergency operations centers. These radios provide voice transmission of emergency information to the administrators of the following special facilities located in four of the five local parishes. There are no special facilities located in West Baton Rouge Parish.

East Baton Rouge Parish

a. Port Hudson Child Learning Center

b. Georgia-Pacific

East Feliciana Parish

a. Dixon Correctional Institute

b. Jackson Special Hospital

c. Feliciana Forensic Facility at
East Louisiana State Hospital

d. East Louisiana State Hospital

e. Folkes Vocational-Technical School

f. Jackson High School

g. Jackson Elementary School

h. Asphodel Plantation

i. Transcontinental Gas Pipeline Corp.

j. Port Hudson State Commemorative Area

Pointe Coupee Parish

a. Cajun Electric Power Cooperative
Big Cajun No. 2

b. Cajun Electric Power Cooperative
Big Cajun No. 1

c. Rougon High School

d. Memorial Area Vocational

e. Lakeview Manor Nursing Home

f. Pointe Coupee Nursing Home

g. Pointe Coupee General Hospital

h. False River Academy

i. Poydras High School

j. Rosenwald High School

k. Catholic High School

l. Catholic Jr. High

m. Catholic Elementary School

n. Pointe Coupee State Park

West Feliciana Parish

a. West Feliciana Parish Hospital

b. Bains Elementary School

c. West Feliciana High School

d. Kilewood Nursing Home

e. Department of Corrections Meat Packing Plant

f. Crown Zellerbach

g. Ramada Inn

h. Camp Marydale

i. West Feliciana Hunting Club

j. Audubon State Commemorative Area

k. Audubon Lakes Camp Resort

l. Starhill Campground

JIC Director

~~GSU Spokesperson~~, who will be located at the ~~Emergency Communications Center.~~ ~~Information will be provided for dissemination by the Emergency Communications Center Staff.~~ In the event of a General Emergency, the Presidents of the Police Juries and the Mayor President of East Baton Rouge Parish have the authority to order an evacuation of their respective parishes. The Governor of Louisiana and the Assistant Secretary of the Office of Environmental Affairs also have the authority to order evacuations, as necessary. The Civil Defense Director of the parish will coordinate the evacuation. The ~~River Bend Station~~ Recovery Manager will authorize periodic updates of the emergency situation.

JIC. 11 8 4 8

All response agencies and GSU will provide information for dissemination.

13.3.5.4.1.2.3 Timing Requirements for Implementation of Offsite Protective Actions

GSU has the responsibility to recommend protective actions to the States of Louisiana and Mississippi and local ~~River Bend~~ parishes during an emergency. Section 13.3.5.2 discusses the accident assessment the utility will perform in order to obtain the information necessary to determine appropriate recommended protective actions.

the five 4

within 15 min of a declaration and/or decision on a protective action recommendation

EPA Protective Action Guides serve as the basis for recommending protective actions to the public. Projected doses to the whole body and thyroid and the corresponding recommended protective actions are listed in Tables 13.3-14 and 13.3-15, respectively. 4

If the recommended protective action based on projected radiation exposure is evacuation, GSU, with the State of Louisiana and local authorities will take into consideration evacuation times, ambient meteorology, duration of release, and degree of protection afforded by local residential units. A list of representative shielding factors provided by typical structures against direct exposure to the plume is contained in Table 13.3-13. Appendix D contains evacuation time estimates, and details of the Evacuation Plan within the 10-mi EPZ are contained in the ~~River Bend Station~~ Attachment to the State of Louisiana Plan. 4 4 RBS

13.3.5.4.2 Use of Protective Equipment and Supplies

~~Use of~~ utilized protective equipment and supplies (Table 13.3-11), will be ~~taken~~ to minimize radiological exposure and contamination to individuals onsite. An emergency equipment list is presented in Appendix E. 4

The EIPs Table 13.3-10. ~~Radiation Protection Exposure Control Procedures~~ provide exposure guidelines to expedite decision-making in an accident situation. These procedures also assure that the individual is informed of the relative risk involved with excessive radiation exposure. The Emergency Director, at the recommendation of the Radiation Protection Supervisor, authorizes any planned exposure, or is made aware of an accidental exposure in excess of 10CFR20 limits. 8

13.3.5.5.2 Decontamination and First Aid

Facilities for decontaminating personnel are available at River Bend Station in the Radiation Protection Work Area of the Services Building. The personnel decontamination facility consists of a change area, monitoring area, sinks, eyewash supplies, lavatory, and a shower large enough to allow decontamination of accident victims on stretchers. Specialized equipment is located in this area as is the normal inventory of radiation protection equipment. A first aid room and storage area for emergency equipment and supplies are also located in this area. 4

Personnel leaving the controlled access area will be monitored for contamination by use of portable monitors, and/or hand and foot counters, and/or friskers. During emergencies, personnel onsite will be checked, as necessary, for contamination. Facilities for decontaminating personnel evacuated from the plant site area are located at the EOF and the Energy Center. An inventory of decontamination supplies and equipment, personnel monitoring equipment, and extra clothing is maintained at this facility (See Appendix E). 8

Personnel found to be contaminated will undergo decontamination under the direction of Radiation Protection personnel. Measures will be taken to prevent the spread of contamination. Such measures may include isolating affected areas, placing contaminated personnel in clean protective clothing before moving, and decontaminating affected personnel, their clothing, and equipment prior to release. Since most decontamination will occur during recovery or away from high radiation areas, the dose for these personnel should not exceed exposure guidelines established in Table 13.3-10. Detailed guidance for personnel decontamination is contained in the ~~River Bend Station~~ RBS Radiation Protection Manual. 11

Radwaste will be handled in the Radwaste Building by following normal procedures. If decontamination is done at the EOF, the waste will be contained for later disposal in the plant's liquid radwaste facility. Solid radwaste will be bagged and handled under the direction of the Health Physicist. 8

Emergency first aid and medical treatment will be given to injured or ill personnel whether the injury or illness is radiation or nonradiation related. Shift personnel trained in first aid will be available onsite on a 24-hr-per-day basis and will assist injured or ill personnel either at the scene of the accident or in the first aid room. If affected personnel must be transported to medical facilities, measures will be taken to prevent the spread of contamination. Such measures may include the placing of affected personnel in clean protective clothing or wrapping them in blankets and alerting the organizations which will provide transportation and treatment.

13.3.5.5.3 Medical Transportation

The West Feliciana Parish Hospital ambulance serves as the primary means of transporting affected personnel to Our Lady of the Lake Regional Medical Center and West Feliciana Parish Hospital. The ambulance is radio-equipped to provide direct communciation capabilities with the hospitals. The ambulance will be used for emergency medical transportation when the Shift Supervisor or the attending first aid personnel determine that any of the following three criteria exists:

1. The patient is unconscious or incoherent.

2. The patient is nonambulatory due to external or internal injuries, confirmed or suspected.

3. There is external bleeding which needs to be controlled.

Direct communications from the site first aid areas to the medical facilities are used in non-urgent medical situations.

Other GSU vehicles ~~and personal vehicles~~ are used as back-up means of transportation. ~~If it is necessary to use these back up vehicles, portable radios will be provided to assure communications to the offsite medical facilities~~.

13.3.5.5.4 Medical Treatment

Arrangements for medical treatment of personnel from the RBS ~~River Bend Station~~ site have been made through agreements with offsite organizations. These agreements are discussed in Section 13.3.4.3.2. Services provided by West Feliciana Parish Hospital and Our Lady of the Lake Regional Medical Center are described by letters of agreement in Appendix B.

Insert 1 for Page 13.3-60

(See Section 13.3.4.3.2)

Insert 2

Exposure limits for ambulance driver personnel are in accordance with the Louisiana Radiation Regulations. The Jackson Rescue Unit is a backup to the West Feliciana Parish Hospital ambulance service.

Insert 3

4. If in the opinion of the Shift Supervisor or first aid personnel immediate transport is considered necessary.

Insert 4

and are equipped with two-way radio communication.

NRC officials.

addition to the above primary functions, the TSC is activated at the declaration of an Alert and performs the functions of the EOF during Site Area and General Emergencies until the EOF is activated. This includes offsite notification to and communications with state, local, and ~~federal officials as well as the GSU personnel in Beaumont, Texas~~. In addition, Radiation Protection personnel perform offsite dose assessment by using meteorological and radiological data available in the TSC. The communicator provides these dose projections to the States of Louisiana and Mississippi.

Portable

The TSC, as part of the RBS Services Building, has been built in accordance with the Uniform Building Code and provides the same habitability as the Main Control Room. Area radiation monitoring equipment is present in the TSC to provide emergency personnel an indication of the ~~types and~~ levels of radiation present. The TSC ventilation system contains both HEPA and charcoal filters. The TSC has been designed to have approximately 4500 square feet of working area to accommodate the GSU personnel indicated in Figures 13.3-7 through 13.3-[illegible]9, with specific responsibilities delineated in Appendix A. In addition, space is provided for five pre-designated NRC response personnel. The following areas have been delineated in the design of the TSC as shown in Figure 13.3-20:

8

1. Work Area
2. Conference Rooms
3. Technical Support Manager's Office
4. Safety Parameter Display Area

System

5. Computer Room
6. Records Room
7. Kitchen/Dining Area
8. Dormitory

Communications in the TSC with the Main Control Room, the EOF, the NRC, and other federal, state, and local officials is the same as identified in Section 13.3.6.1.5.4. The ~~Safety Parameter Display System (~~SPDS~~)~~ and the ~~Digital Radiation Monitoring System (~~DRMS~~)~~ are available in the TSC to provide reliable collection, storage, analysis, display, and communication of information on containment conditions, radiological releases, and meteorology sufficient to determine site and the 10-mile EPZ status, determine changes in status, forecast status, and take

10

appropriate actions. A description of the DRMS is located in Section 13.3.5.2. A description of the SPDS will be provided once the technical details are complete. 11

The records room contains the following current documents:

1. Technical Specifications
2. Station Operations Manual/Emergency Operating Procedures
3. RBS Emergency Plan
4. RBS Emergency Implementing Procedures
5. State/Local Emergency Plans
~~6. Mutual Assistance Plan with Neighboring Utility Companies~~
6~~7~~. Final Safety Analysis Report
7~~8~~. Environmental Report - Operating License Stage
8~~9~~. Aperture Cards of As-Built Drawings 8
9~~10~~. 10 and 50-Mile EPZ Maps for River Bend Station

These documents, drawings, and maps provide information to be used in assessing plant conditions as well as determining possible offsite consequences.

13.3.6.1.2 Operations Support Center (OSC)

The ~~Operations Support Center (~~OSC~~)~~, under the coordination of the OSC ~~Director~~ Coordinator, serves as a staging area for site personnel during emergency response and recovery operations. The OSC serves as a: 4

1. Place to brief oncoming Main Control Room personnel of the emergency condition of the plant, thus minimizing Main Control Room congestion.

4 2. Coordination area for onsite Radiation Protection personnel. From this point, they will be directed to assist in radiological surveys, personnel monitoring, decontamination, reentry, and search and rescue procedures.

4 3. Coordination area for personnel to conduct firefighting procedures.

4. Coordination area for technicians to be dispatched to areas requiring their support.

4 The OSC will be located in the Services Building. The floor plan is shown in Figure 13.3-21. There will be direct communications between the OSC, Main Control Room, TSC, and EOF. If the OSC is evacuated, the TSC will serve as a backup until the OSC is determined to be habitable.

13.3.6.1.3 Main Control Room

The Main Control Room will be the primary operations center during events classified as Notification of Unusual Event level emergencies and prior to the activation of the other emergency response facilities for more serious emergencies. The necessary resources will be available so that the Shift Supervisor will be able to initiate and coordinate all ~~Emergency Implementing Procedures (~~EIPs~~)~~ including security procedures, from the Main Control Room until additional assistance is available. All plant control manipulation will be conducted from this area under the Shift Supervisor's direction.

13.3.6.1.4 Primary Access Point and Alternate Evacuation Point

The Primary Access Point, supervised by the Plant Security Supervisor:

1. Controls the personnel and vehicular ingress and egress to and from the protected area.

4 2. Serves as the focal point for personnel accountability during a Protected Area Evacuation.

Under the supervision of the Plant Security Supervisor, security personnel will assist as required with emergency response and recovery operations. The ~~Primary Access Point~~ PAP will have telephone, radio, and loudspeaker communications with the Main Control Room, TSC, OSC, and EOF.

An Alternate Evacuation Point has been established which will be used to control personnel and vehicular egress from the Protected Area in the event the Primary Access Point is inaccessible. 4

13.3.6.1.5 Emergency Operations Facility (EOF)

The ~~Emergency Operations Facility (~~EOF~~)~~ is the emergency response facility located near the reactor site to provide continuous coordination and evaluation of GSU's activities during an emergency at River Bend Station having or potentially having environmental consequences. The EOF has been designed to meet the requirements as specified in Supplement 1 to NUREG-0737. The EOF is activated during a Site Area Emergency or a General Emergency and may be activated for a Notification of Unusual Event or Alert.

The initial function of the EOF is to evaluate the magnitude and effects of actual or potential radioactive releases from the plant and to recommend appropriate offsite protective measures. To accomplish these functions, facilities are provided in the EOF for the evaluation of pertinent radiological, meteorological, and plant system data. The Health Physicist coordinates the offsite radiological monitoring and analyzes results during emergency and recovery operations.

Manager

The overall management of GSU emergency resources is based in the EOF under the direction of the Recovery Manager. The EOF ~~Coordinator~~ reports to the Recovery Manager and is responsible for operations within the EOF. The EOF functions are performed in the Main Control Room or the ~~Technical Support Center (~~TSC~~)~~ prior to the activation and staffing of the EOF. The EOF is utilized to coordinate the GSU emergency response activities with those of local, state and federal emergency response organizations, including the NRC and FEMA. The EOF is the location where GSU provides current information on conditions potentially affecting the public to the NRC and to state and local emergency response agencies. The EOF also functions as the post-accident recovery management center. ~~for both onsite and offsite activities.~~ 8

13.3.6.1.5.1 Location

The EOF is located within the ~~River Bend Station (~~RBS~~)~~ Training Center outside the plant security boundary but on GSU property near the intersection of U.S. Highway 61 and the North Access Road. The RBS Training Center and the EOF (Figure 13.3-27) are outside the exclusion area and approximately 1.1 miles from the reactor. The Back-up EOF is the GSU - Baton Rouge Division Dispatch Office located on Government Street in Baton Rouge, approximately 23 miles southeast of River Bend Station. This

8. Operations Room

9. Radiation Protection Work Area

10. Kitchen

11. Bunk Area

12. Equipment Storage

The River Bend Nuclear Group support personnel perform their duties within the designated GSU areas. Additional classroom space is located in the Training Center of the building and can be used for briefing/debriefing and distribution of equipment to offsite radiation monitoring teams. The auditorium in the RBS Training Center serves as the ~~Emergency Communications Center~~ JIC where coordinated briefings are held by GSU and state and local officials. The configuration of the EOF facilitates the flow of information during the decision-making process and provides adequate space to accommodate all personnel involved in the recovery effort. This facility also allows drills and exercises to be staged while not significantly degrading normal activities throughout the remainder of the RBS Training Center. 8

13.3.6.1.5.3 Structure

The EOF has been designed to meet the following building codes:

1. Seismic Criteria - Standard Building Code (Zone 1) and ANSI A58.1 Code

2. Life Safety Code to National Fire Protection Agency Standards

13.3.6.1.5.4 Communications

The communications system within the EOF includes a dedicated telephone system and a two-way radio communication system with the following offsite agencies and the other RBS Emergency Response Facilities:

1. Main Control Room

2. Technical Support Center

3. GSU Corporate Offices in Beaumont

4. Louisiana Nuclear Energy Division

5. Louisiana Office of Emergency Preparedness

6. Five Local ~~River Bend~~ Parishes Civil Defense and Sheriff's Offices

7. Mississippi Emergency Management Agency

8. Mississippi Highway Safety Patrol

An intercom system also provides communications among the River Bend Station Emergency Response Facilities. The NRC Health Physics Network (HPN) is available to provide for information transmittal to the NRC Region IV Office in Arlington, Texas, and the NRC Operations Center in Bethesda, Maryland. The HPN is a private line which is used for the transmittal of radiological information. In addition, the NRC Emergency Notification System (ENS) provides communications to the NRC Operations Center. The ENS is a private line, four-wire ringdown system which has a primary purpose of transmitting reactor safety information from RBS to the NRC Operations Center and through internal NRC communciations to the NRC Region IV office. During the initial stages of an accident, the ENS is also used for the transmittal of radiological information until the HPN is operational. The ENS serves as the primary notification system used to meet the requirements of 10CFR50.72. Both the HPN and ENS are tested on a ~~quarterly~~ monthly basis by GSU.

13.3.6.1.5.5 Technical Data and Data Systems

The ~~Safety Parameter Display System (~~SPDS~~)~~ is available in the EOF as an integral part of the ~~Emergency Response Information System (~~ERIS~~)~~. Other technical information in the EOF goes through the ~~Digital Radiation Monitoring System (~~DRMS~~)~~ which is used for offsite dose assessment. These systems are capable of reliable collection, storage, analysis, display, and communication of information on containment conditions, radiological releases, and meteorology sufficient to determine site and regional status, determine changes in status, forecast status, and take appropriate actions. A description of the DRMS is located in FSAR Section 11.5.2.1. A description of ERIS is ~~will be~~ provided ~~once the technical details are complete~~. in Section 7.7.1.7.

13.3.6.1.5.6 Records

The following documents are accessible from the EOF:

1. Technical Specifications
2. Station Operations Manual
3. RBS Emergency Plan
4. RBS Emergency Implementing Procedures
5. State/Local Emergency Plans
6. Mutual Assistance Plan with Neighboring Utility Companies
7. Final Safety Analysis Report
8. Environment Report - Operating License Stage
9. Aperture Cards of As-Built Drawings
10. 10 and 50-Mile EPZ Maps for River Bend Station

13.3.6.1.5.7 Staffing

The EOF is staffed with personnel as indicated in Figures 13.3-7 through 13.3-10, with specific responsibilities delineated in Appendix A. In addition to accommodating GSU personnel, space is provided for representatives from the states of Louisiana and Mississippi and the five parishes within the 10-mile Emergency Planning Zone. 8

13.3.6.1.5.8 Security

The EOF, as part of the station RBS Training Center, is under constant surveillance by ~~industrial grade~~ security. Additional security personnel are provided once the EOF is activated to assure that only authorized emergency response personnel are allowed into the EOF.

13.3.6.1.6 Joint Information Center (JIC)

The ~~Joint Information Center (JIC)~~ JIC is located in the ~~River Bond Station~~ RBS Training Center. The floor plan is shown in Figure 13.3-23. The Joint Information Center is operated under the direction of the JIC Director and serves as a joint media center for GSU and offsite response agencies. 15 11

13.3.7 Maintaining Emergency Preparedness

GSU will maintain as two separate documents this plan and its ~~Emergency Implementing Procedures (~~EIPs~~)~~. This plan is a part of Chapter 13 in the FSAR and is, therefore, subject to established methods for updating. The EIPs contain detailed information extracted from the FSAR and other pertinent documents. These procedures will enable station personnel to implement this plan and take proper action without referral to numerous documents. The EIPs are controlled by the station administrative procedures and will be distributed and revised accordingly. 4

The Sr. Vice President of the River Bend Nuclear Group has overall responsibility for emergency planning for River Bend Station, including the corporate policy and ~~plans,~~ the FSAR, and the agreements and understandings with Federal and State organizations. The Vice President of the River Bend Nuclear Group may designate personnel to assist him in meeting his responsibility.

The Manager-Administration ~~Engineering, Nuclear Fuels & Licensing~~ has been designated the responsibility for managing emergency planning at RBS. The Supervisor-Emergency Planning will assist him in managing the RBS Emergency Plan, including the EIPs and arrangements and understandings with local offsite organizations.

The Supervisor-Emergency Planning has the authority and responsibility for the coordination of efforts in training, drills, and developing, reviewing, and updating of this plan and the EIPs with other response organizations, including agreements and understandings with outside organizations and agencies. All reviews and updating of this Emergency Plan and EIPs will be governed by ~~1ADM.1 227~~ EIP-2-100 as described in Section 13.3.7.2. The RBS Supervisor-Emergency Planning title is equivalent to the Emergency Planning Coordinator title as specified in Section II.P.3 of NUREG-0654/FEMA-REP-1, Rev. 1. 11

The Emergency Planning Staff ~~Coordinator~~ reports to the Supervisor-Emergency Planning and is responsible for supporting him in the coordination of emergency preparedness and response efforts.

The Plant Manager will provide assistance to the Supervisor-Emergency Planning in reviewing, approving, and implementing the RBS Emergency Plan and EIPs, via the Emergency Planning Committee.

4. Ensure that qualified observers from Federal, State or local governments ~~will~~ are invited to observe and critique the required exercises.

5. Schedule and conduct as soon as possible after the exercise, a critique to evaluate the ability of the participants of the exercise to respond as called for in the plan.

6. Establish means for evaluating observer and participant comments on areas needing improvement, including changes to this plan and the EIPs, and for assigning responsibility for implementing corrective action. 4

7. Establish management controls to ensure that corrective actions are implemented.

13.3.7.1.2.2 Exercise Schedule

An emergency response exercise will be conducted prior to issuance of an Operating License and at least once every 12 months thereafter to demonstrate the effectiveness of this Emergency Plan. The exercise is conducted in accordance with NRC/FEMA rules. The exercise includes mobilization of State and local personnel and resources adequate to verify the capability to respond to an accident scenario. GSU will provide for a critique of the annual exercise by ~~Federal and State~~ qualified observers/evaluators. The scenario is varied from year to year so that all major elements of the plans and preparedness organizations are tested within a 5-yr period. GSU will make provisions to start an exercise between 6:00 pm and midnight, and another between midnight and 6:00 am once every 6 yrs. In addition, some exercises will be unannounced. Exercises will be conducted under various weather conditions. 4 4 4

13.3.7.1.2.3 Schedule and Types of Drills

Scheduled drills are held involving appropriate offsite as well as onsite organizations. These drills are supervised instruction periods aimed at testing, developing, and maintaining skills in a particular operation. The drills are evaluated by a qualified drill instructor. These drills are conducted simulating, as closely as possible, actual emergency conditions. Examples of drills that are conducted and their frequency are as follows:

2. Communications Drills

RBS FSAR

Tests

1. Communication ~~Drills~~

Communications with State and local governments within the plume exposure pathway EPZ are tested monthly. Communications with Federal emergency response organizations and states within the ingestion pathway are tested quarterly. Communications between the River Bend Station, the States of Louisiana and Mississippi, local EOCs, and station field assessment teams are tested annually. These communications drills will include the aspect of understanding the content of emergency-related messages. The HPN and ENS communication systems between the main control room, TSC, EOF, NRC Headquarters, and Region IV offices will be tested monthly.

3 ~~2~~. Fire Drills

Fire drills are conducted in accordance with the River Bend Station Fire Protection Procedures as outlined in Section 9.5.1 of the FSAR.

4 ~~3~~. Medical Emergency Drills

A medical emergency drill involving a simulated contaminated individual which contains provisions for participation by the local support services agencies (i.e., ambulance and offsite medical treatment facility) is conducted annually. The offsite portions of the medical drill may be performed as part of the required annual exercise.

5 ~~4~~. Radiological Monitoring Drills

~~Plant environs and radiological monitoring drills (onsite and offsite) are conducted annually. These drills include collection and analysis of all sample media (e.g., water, grass, soil, and air). as follows:~~

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~~5. Radiation Protection Drills~~

~~a. Radiation protection drills, which involve response to, and analysis of, simulated elevated airborne and liquid samples and direct radiation measurements in the environment are conducted semiannually.~~

~~Collection and~~

~~b. Analysis of actual in-plant liquid samples with actual elevated radiation levels, including post-accident sampling system, are included in radiation protection drills.~~ 8

INSERT TO: pg.13.3-76a/76a

5. Radiological Monitoring Drills

Radiological monitoring drills shall be conducted annually, and will include the collection and analysis of sample media such as water,grass,soil,and air from the owner controlled and nearby offsite areas.

6. Radiation Protection Drills

(1) Radiation protection drills which involve response to and analysis of simulated elevated airborne and liquid samples, as well as direct radiation measurements in the environment, shall be conducted semi-annually.

(2) Analysis of in-plant liquid samples with simulated elevated radiation levels including use of the post accident sampling system are included in radiation protection drills.

7. Protected Area Evacuation and Accountability
~~6. Site Accountability and Evacuation~~ Drill

An evacuation drill is conducted annually, so that personnel are aware of proper routes and assembly points. An accountability drill is held simultaneously to ensure that all personnel have either been evacuated or accounted for onsite. 4

These drills may be scheduled such that one or more drills can be conducted simultaneously. Drill scenarios are prepared which require involvement of various emergency teams and organizations. Records are maintained of all major emergency plan drills.

13.3.7.2 Review and Updating of This Plan and Emergency Implementing Procedures

This plan and the EIPs are reviewed and updated annually by the Supervisor - Emergency Planning. The review, which may be part of the annual FSAR update, takes into account: the results of drills and exercises; and changes in GSU, Louisiana, and Mississippi policy and plans, and various agreements with offsite agencies. Specific letters of agreement in support of the River Bend Station Emergency Plan will be verified every 2 years. The EIPs are reviewed on an annual basis to consider changes in: the plan, station policy, design, personnel, operational requirements, and various agreements with offsite agencies. The proposed modifications are presented to the Vice President RBNG for approval. Between operator and technical training sessions, familiarization with EIP changes will be accomplished in the following manner: 4 8

by the Emergency Planning Committee (EP C)

Plant Manager and

a. Mandatory read and sign memorandums will be circulated to all affected personnel.

b. Topical discussions related to procedure changes will be conducted by the responsible supervisor or his designee which will require signed training attendance rosters for each attendee. 11

The specific procedures listing emergency telephone numbers will be updated at least quarterly. The plan will be forwarded to GSU headquarters and all organizations and individuals responsible for implementing the plan. 11

A program is established which assures this verification is performed.

necessary. Any deficiencies found are either cleared immediately or documented for corrective action via the EPC.

A report, including any deficiencies, is submitted to the Plant Manager. The ~~Plant Manager responsible~~ responsibility will assign personnel for correcting deficiencies.

the Chairman of the EPC.

13.3.8 Recovery

River Bend Station will respond to an emergency event by activating the applicable emergency organization as described by Fig. 13.3-7 through 13.3-9. The Emergency Director or his designee will assess the conditions resulting from the emergency by observing monitoring instrumentation and evaluating information and data supplied by emergency teams. He will ensure that the total population exposure is periodically calculated in accordance with instructions in the Emergency Implementing Procedures (EIPs). As the actual and/or potential quantity of radioactive material released is significantly reduced, the Emergency Director may ~~recommend to the Recovery Manager~~ de-escalat~~ion~~e ~~of~~ the emergency classification, using accepted guidelines. The Recovery Manager may concurrently update his recommendations for offsite radiological response and protective actions. Appropriate response organizations will be notified, through designated communications channels, of any change in plant status and/or prior to the initiation of a recovery operation.

The transition to recovery organization can only be effected after plant conditions are stable and the probability of any adverse effect on the general public or damage to the plant has been substantially reduced. The Recovery Manager has the responsibility to determine when the emergency situation is stable and entry into the recovery phase can commence. Guidelines for determining when the emergency situation can be considered stable and the recovery organization can be established (if necessary) are as follows:

INSERT TO: pg.13.3-79

~~1. The reactor systems are in~~ ~~is in cold shutdown and~~ a stable configuration ~~with adequate core cooling~~.

~~2. In plant~~ ~~Offsite~~ radiation levels ~~are stable~~ ~~have decreased to near background~~ ~~or decreasing with time~~.

~~3~~ 2. The release of radioactive material ~~to the environment~~ ~~has been terminated~~ ~~is controlled, and there is no significant potential for additional uncontrolled releases.~~

~~No further potential for damage to plant systems exists.~~

~~4. Fire, flooding, or similar emergencies are under control~~.

Following a determination that ~~the emergency situation is stable and~~ the emergency conditions no longer exist, the Recovery Manager will notify and obtain the concurrence of the NRC and Emergency Director prior to disbanding the

INSERT TO: pg.13.3-79

1. The reactor is in cold shut down,is in a stable safe configuration and adequate core cooling is available.

2. Releases of radioactivity to the environment have been terminated and no further potential for radioactivity releases exist.

3. Offsite concentrations of radioactivity in the atmosphere or in waterways have dispersed to near background levels, excluding ground deposition.

4. Terminating the emergency will not impact any offsite protective actions which may be in progress.

5. The State of Louisiana, the local Parishes and the NRC concur in terminating the emergency.

emergency organization. The Recovery Manager is responsible for assuring that all emergency actions are complete and closed out and that the recovery organization is available, adequately staffed, and have been briefed on ~~knowledgeable of~~ their responsibilities. ~~to continue the performance of those actions~~. All emergency and support organizations, including the LNED, LOEP, MEMA, MHSP, and the five River Bend Parish EOCs, if activated, shall be notified of the termination of the emergency and/or the initiation of the recovery organization, in the same manner as was used in the initial notification. In the event that upon determination of the emergency condition, the plant is in its pre-emergency condition and capable of routine operations within its technical specifications, the Recovery Manager in concert with the Emergency Director may effect the transition to the normal operating organization in the manner previously described.

With the securing of emergency operations, an orderly evaluation of (1) the causes and effects of the emergency and (2) the measures necessary to place the station back into operation will commence. A limited investigation will be conducted by personnel assigned by the Plant Manager. A detailed investigation will be conducted, as appropriate, by the Facility Review Committee in cooperation with outside agencies such as the LNED, LOEP, MEMA, MSBH, and the NRC.

The reporting of incidents will be in accordance with Tables 13.3-1 and 13.3-12.

During recovery operations, the exposure limits specified in 10CFR20 will apply. Therefore, ~~re~~entry to radiation areas will be done only when accompanied by Radiation Protection personnel to ensure that radiation levels are at permissible levels. Continuous coverage by Radiation Protection personnel may be waived provided that personnel are adequately instructed in the specific radiological hazard associated with the work to be performed and that personnel entering the area are specifically trained in radiation monitoring techniques. ~~All initial re-entries into affected areas during an emergency will be provided continuous Radiation Protection coverage~~.

Recovery operations, under the direction of the Recovery Manager, will be directed at restoring River Bend Station to an operational status. Support for this effort will be located in both the TSC and EOF, and will consist of River Bend Station, other GSU, GE, SWEC and contracted technical and construction personnel as needed. Technical support will also be provided by River Bend Nuclear Group personnel located in Beaumont, Texas.

~~A Waste Systems and Radiation Control Manager will lead a group responsible for handling the control and removal of radioactive waste material created by the emergency~~.

~~A Design and Construction Manager from the River Bend Nuclear Group will organize and direct the engineering repair effort using support from the River Bend Station and the River Bend Nuclear Group~~. Plans and procedures for the recovery effort will be developed, as required, to handle the specific details of the accident.

TABLE 13.3-4

RIVER BEND STATION
LINE OF SUCCESSION

1. Recovery Manager

   A. Senior Vice President - River Bend Nuclear Group | 11

   B. Vice President - River Bend Nuclear Group

C. Vice President - Safety & Environmental → 2. Emergency Director* | 4 | 8

D. Plant Manager

   A. Plant Manager

   B. Assistant Plant Manager - Technical Services

   C. Assistant Plant Manager - Operations/ Radwaste/Chemistry

   D C. ~~Operations Supervisor~~ Assistant Plant Manager-Maintenance

   E D. ~~Senior Shift~~ Supervisor Operations

3. Shift Supervisor

   A. Shift Supervisor

   B. Control Operations Foreman | 4

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* No person of a higher position in the organizational structure than the Plant Manager will assume the role of the Emergency Director. | 8

TABLE 13.3-5 (Cont)

OPERATIONS SUPPORT CENTER

Emergency Title	RBS Title
Operations Support Center Coordinator	Mechanical Maintenance Supervisor Alt: Mechanical Maintenance Foreman Alt: I&C Foreman
Mechanical Maintenance	Master Repairman #1 Master Repairman #2 Alt: Repairman First Class #1 Alt: Repairman First Class #2
Radwaste Operator	Nuclear Equipment Operator #4
Electrical Maintenance	Master Electrician #1 Master Electrician #2 Alt: Electrician 1st Class #1 Alt: Electrician 1st Class #2
I&C Technician	Master I&C Technician (on-shift) Master I&C Technician #2 Alt: I&C Technician 1st Class #1 Alt: I&C Technician 1st Class #2
Onsite Surveys	Rad. Prot. Tech. #2 (on-shift) Chemistry Technician #4
In-plant Surveys (Team Support)	Rad. Prot. Tech. #1 (on-shift) Rad. Prot. Tech. #5
Chemistry/Radiochemistry Technicians	Chemistry Technician (on-shift) Chemistry Technician #5
Radiation Protection Technicians	Rad. Prot. Foreman #1 Rad. Prot. Tech. #6 (TSC) Rad. Prot. Tech. #7 (EOF) Rad. Prot. Tech. #8
First Aid/Search and Rescue	~~Off-shift~~ Nuclear Control Operator #3 Nuclear Equipment Operator #5 Alt: Off-shift NCO Alt: Off-shift NCO
Fire Brigade	Leader-Nuclear Control Operator #3 Nuclear Equipment Operator #4 Nuclear Equipment Operator #5 Chemistry Technician I&C Technician

TABLE 13.3-5 (Cont)

TECHNICAL SUPPORT CENTER (Cont)

Emergency Title	RBS Title
Security Coordinator	Security Shift Sergeant Alt: Senior Security Officer #1 Alt: Senior Security Officer #2
Status Boards Coordinator	Engineer #1 Alt: Engineer #2 Alt: Engineer #3
Data Facility Coordinator	Section Head Alt: Document Control Clerk #1 Alt: Document Control Clerk #2
Clerical/Administrative Support (2)	Plant Admin. Support Sect. Staff (Two primary and two alternates to be designated)
Radiation Protection/ TSC Habitability	Transferred from OSC
Onsite Security Direction and Control	Supervisor-Plant Security Alt: Asst. Plant Security Supv. Alt: Coordinator-Security Training
Administrative Coordinator	Technical Materials & Plant Services Supv. Alt: Supervisor-Materials Alt: Materials Foreman
Communicator (2)	Systems Engineer #1 Systems Engineer #2 Alt: Systems Engineer #3 Alt: Systems Engineer #4
Events Information Team (2) (moves to EOF @ a Site Area Emergency)	Public Affairs Representative Technical Training Coordinator Alt: Public Affairs Representative Alt: Training Department Personnel

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TABLE 13.3-5 (Cont)

EMERGENCY OPERATIONS FACILITY

Emergency Title	RBS Title
Recovery Manager	Senior VP River Bend Nuclear Group Alt: VP River Bend Nuclear Group Alt: VP ~~Administration~~ Safety and Environmental
EOF Manager	Supervisor-Emergency Planning Alt: Sr. Emergency Planner Alt: Emergency Planner
Radiation Protection Advisor	Supervisor of Radiological Programs ~~Radiation Protection/ Chemistry Supv.~~ Alt: Radiological Health Supervisor Alt: Environmental Supervisor
Offsite Dose Assessment/ Protective Actions Advisor (Offsite Team Coordinatcr)	Transferred from TSC
Chemistry Advisor	Chemical Engineer Alt: Chemistry Foreman #2 Alt: Rad./Chem. Section Coordinator
Operations Advisor	Assistant Operations Supervisor Alt: Shift Supv. (off-duty) #3 Alt: Shift Supv. (off-duty) #4
Offsite Survey Teams	Radiation Protection Technician #3 Chemistry Technician #2 Radiation Protection Technician #4 Chemistry Technician #3
Administrative/Logistics Advisor	Supervisor-Administrative Support Alt: Records Supervisor Alt: Nuclear Records Representative
Communicators (2)	Systems Engineer #2 (from TSC) Systems Engineer #3 Alt: Systems Engineer #5 Alt: Systems Engineer #6
Status Boards Coordinator	Engineer #4 Alt: Engineer #5 Alt: Engineer #6

Events Information Team (2) (moves to EOF from TSC @ a Site Area Emergency)

TABLE 13.3-5 (Cont)

JOINT INFORMATION CENTER

Emergency Title	RBS Title
GSU Public Spokesperson	VP External Affairs Alt: Administrator of Louisiana Communications
Joint Information Center Director	Admin. of Louisiana Communications Alt: Information Specialist

Joint Information Center Staff (As described in the RBS Joint Information Plan):

To be assigned by ~~W. L. Benedetto~~ Admin. of Louisiana Communications

~~Events Information Team~~
GSU Information Production Team
Assistant Joint Information Center Director
Logistics Manager
News Manager
Public Phone Team
Media Phone Team
Special Audience Liaison
Offsite Information Coordinator
Joint Information Production Team

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Notes

(1) Shift foremen will be trained in dose assessment methodology.
(2) Nuclear control operators will be trained in the use of portable survey instruments.

TABLE 13.3-6

FUNCTIONAL AREA RESPONSIBILITY

Emergency Organization Title	Plant Operations and Assessment	Emergency Direction and Control	Notification and Communication	Radiological Assessment	Plant Systems Engineering Repair Corrective Actions	Protective Actions	Firefighting	Rescue and First Aid	Site Access Control and Accountability
Shift Supervisor	Key-U	Key-U Spt-A,S,G	Spt	Key-U					
Control Operations Foreman	Spt				Key-U	Key-U	Key-U Spt-A,S,G	Key-U	Key-U
Nuclear Control Operator No. 1 & 2	Spt								
Nuclear Equipment Operator No. 1 & 2	Spt								
Radiation Protection Technician No. 1		Spt		Spt	Spt			Spt	Spt
Radiation Protection Technician No. 2		Spt		Spt	Spt		Spt-U	Spt	Spt
Radiation Protection Technician No. 3		Spt			Spt		Spt-U	Spt-U	Spt
Mechanical Maintenance/ Radioactive Waste Operator No. 1				Spt			Spt-U		
Communicator No. 1,2,3,4			Key						
EOF Coordinator		Spt	Spt	Spt-S,G				Spt	
Health Physicist				Key-A,S,G					
Offsite Surveyor No. 1,2,3,4				Spt-A,S,G					

TABLE 13.3-6 (Cont)

Emergency Organization Title	Plant Operations and Assessment	Emergency Direction and Control	Notification and Communication	Radiological Assessment	Plant Systems Engineering Repair Corrective Actions	Protective Actions	Firefighting	Rescue and First Aid	Site Access Control and Accountability
Onsite Surveyor No. 1,2				Spt-A,S,G		Spt			
Inplant Surveyor No. 1				Spt		Spt-O			

TABLE 13.3-6 (Cont)

Emergency Organization Title	Plant Operations and Assessment	Emergency Direction and Control	Notification and Communication	Radiological Assessment	Plant Systems Engineering Repair Corrective Actions	Protective Actions	Firefighting	Rescue and First Aid	Site Access Control and Accountability
Inplant Surveyor No. 2,3				Spt-A,S,G					
Chemistry Technician No.2				Spt					
Core Technical Advisor					Spt				
Plant Maintenance Supervisor					Spt		Key-A,S,G	Key-A,S,G	
Electrical Technical Advisor					Spt				
Mechanical Maintenance Advisor					Spt				
Mechanical Maintenance No. 2					Spt				
Radioactive Waste Operator No. 2					Spt				
I & C Tech No. 1				Spt	Spt		Spt-D		
Electrical Maintenance Technician No. 2,3					Spt				
I & C Tech No. 2					Spt				
Radiation Protection Technician No. 4,5,6,7					Spt				
Emergency Director	Key-A,S,G	Spt	Spt		Spt				

TABLE 13.3-6 (Cont)

Emergency Organization Title	Plant Operations and Assessment	Emergency Direction and Control	Notification and Communication	Radiological Assessment	Plant Systems Engineering Repair Corrective Actions	Protective Actions	Firefighting	Rescue and First Aid	Site Access Control and Accountability
Technical Support Manager	Spt		Spt		Key-A,S,G				
Administrative Supervisor		Spt	Spt						
Radiation Protection Supervisor				Spt		Key-A,S,G		Spt	
Chemistry Supervisor	Spt			Spt	Spt				
Operations Support Center Director		Spt			Spt				
I & C Support Coordinator					Spt				
Systems Analysis Coordinator					Spt				
Data Facility Coordinator					Spt				
Procedure Support Coordinator	Spt				Spt				
Shift Support Coordinator	Spt	Spt							
Emergency Communications Director		Spt	Spt						
Plant Security Supervisor		Spt							Key-A,S,G
Waste System Radiation Control Manager	Spt	Spt			Spt				

TABLE 13.3-6 (Cont)

Emergency Organization Title	Plant Operations and Assessment	Emergency Direction and Control	Notification and Communication	Radiological Assessment	Plant Systems Engineering Repair Corrective Actions	Protective Actions	Firefighting	Rescue and First Aid	Site Access Control and Accountability
Radiation Protection Foreman	Spt			Spt					
Radioactive Waste Coordinator					Spt				
Conceptual Design Coordinator					Spt	Spt			
Q.A. Support Coordinator					Spt				
Schedule and Planning Manager		Spt							
Administrative and Logistics Manager		Spt							
Director of Quality Control					Spt				
Design and Construction Manager		Spt			Spt				
Utility Engineering Director					Spt				
Director of Construction					Spt				
Licensing Support Coordinator	Spt				Spt				
Counting Room Foreman	Spt			Spt					
Chemistry	Spt			Spt					

TABLE 13.3-6 (Cont)

Emergency Organization Title	Plant Operations and Assessment	Emergency Direction and Control	Notification and Communication	Radiological Assessment	Plant Systems Engineering Repair Corrective Actions	Protective Actions	Firefighting	Rescue and First Aid	Site Access Control and Accountability
Foreman									
Lead Plant Chemist					Spt				
Recovery Manager	Spt	Key-A,S,G							

Key: Role: Spt = support
Key = key

Emergency Classification: U = Unusual Event
A = Alert
S = Site Area Emergency
G = General Emergency

Table 13.3-17

Residential Survey Results

0654 Table B-1 Comparison:

Position	Onshift		30 min. Augmentation[3]		60 min. Augmentation
	B-1	RBS	B-1	RBS	
Shift Supervisor	1	1	0	0	All RBS emergency organization available within 60 minutes under light traffic conditions, 75 minutes in severe weather or heavy traffic.
Shift Foreman	1	1	0	0	
Control Operator	2	3[1]	0	0	
Auxiliary Operators	2	5[1]	0	0	
STA	1	1*	0	0	
Communicator	1	1*	1	1	
EOF Manager	0	0	0	1	
Senior HP	0	0	1	3	
HP Techs	1	2	5	5	
Chem Techs	1	1	0	3[4]	
Technical Support	0[2]	0	1	6	
Mech. Maint.	0	0	0	2	
Elect Maint	0	0	1	2	
I&C Maint.	0	1	1	2	
Security	all	all	-	-	
Fire Brigade	Tech Specs.	5*	Local	Local	
TOTAL:	10	14	10	26	

*Filled by personnel assigned other functions

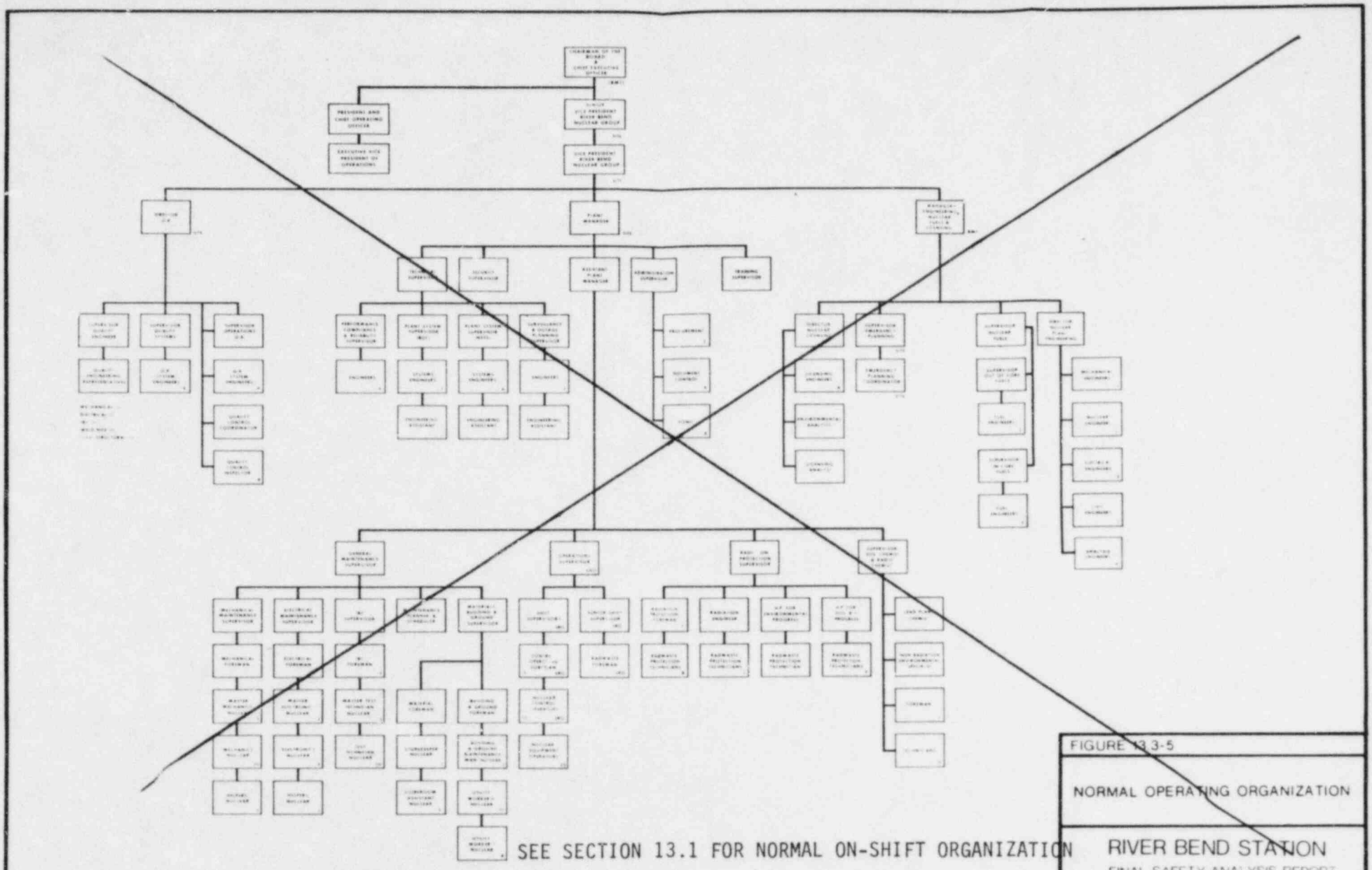
Notes: 1 All NCO and NEO are trained in use of portable radiation survey instruments.

2 STA is either the Shift Supervisor or Control Operating Foreman.

3 Augmentation capability during light traffic conditions, up to 45 minutes in severe weather or heavy traffic.

4 Includes Sr. Engineering expertise and Sr. Operations personnel.

5 One alternate Radiation Technician lives within 90 minutes.



SEE SECTION 13.1 FOR NORMAL ON-SHIFT ORGANIZATION

FIGURE 13.3-5

NORMAL OPERATING ORGANIZATION

RIVER BEND STATION
FINAL SAFETY ANALYSIS REPORT

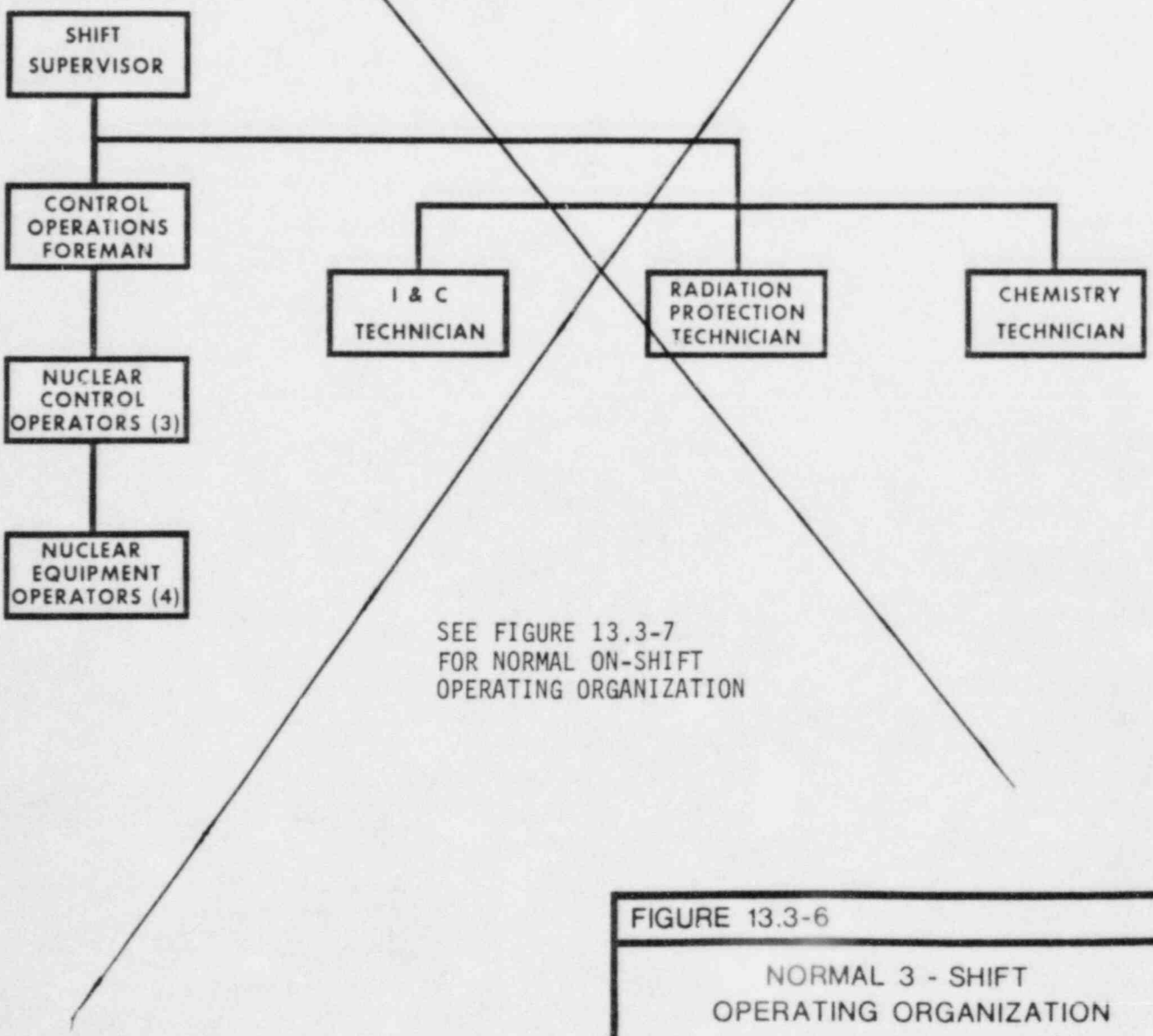


FIGURE 13.3-6

NORMAL 3 - SHIFT
OPERATING ORGANIZATION

RIVER BEND STATION
FINAL SAFETY ANALYSIS REPORT

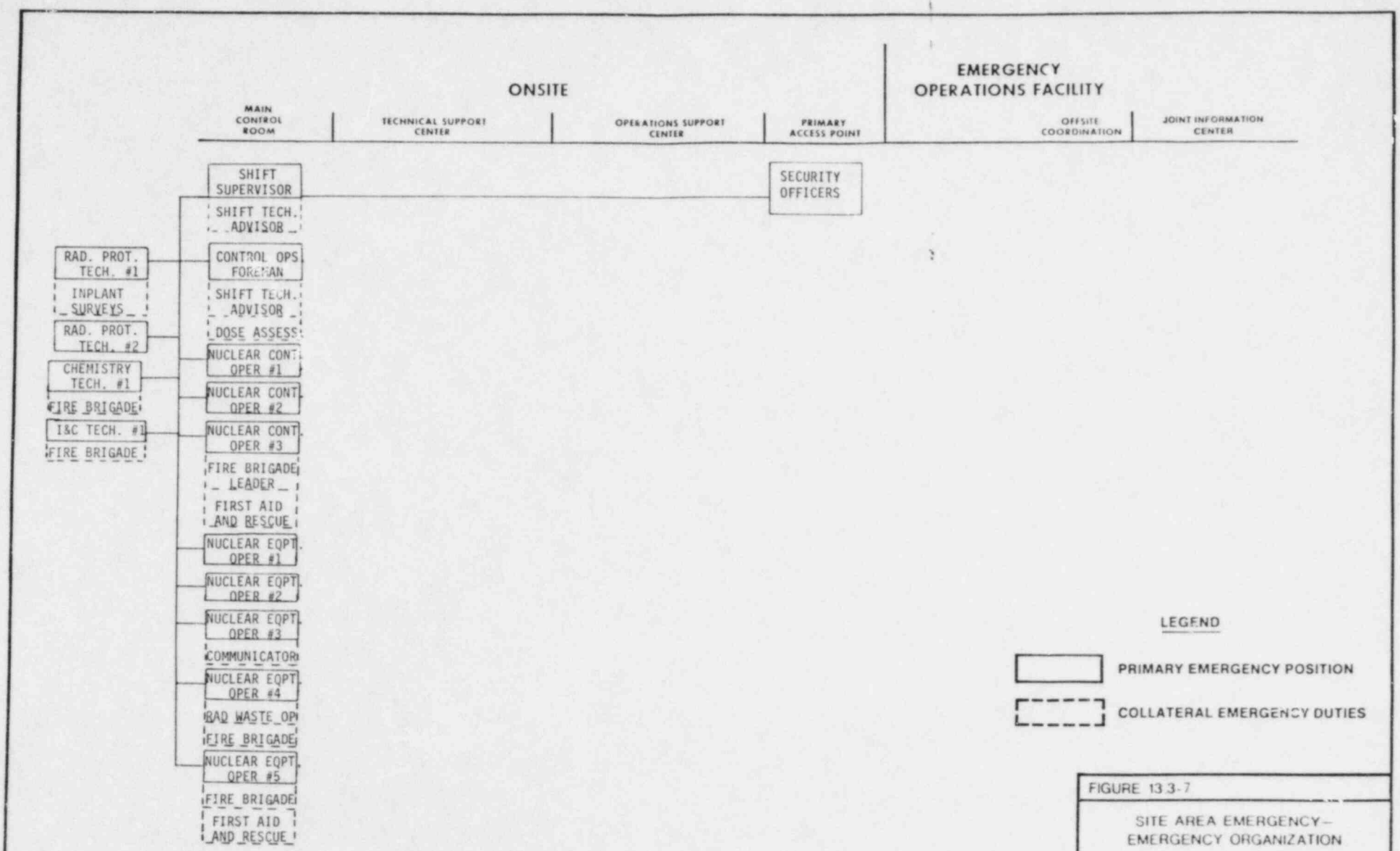
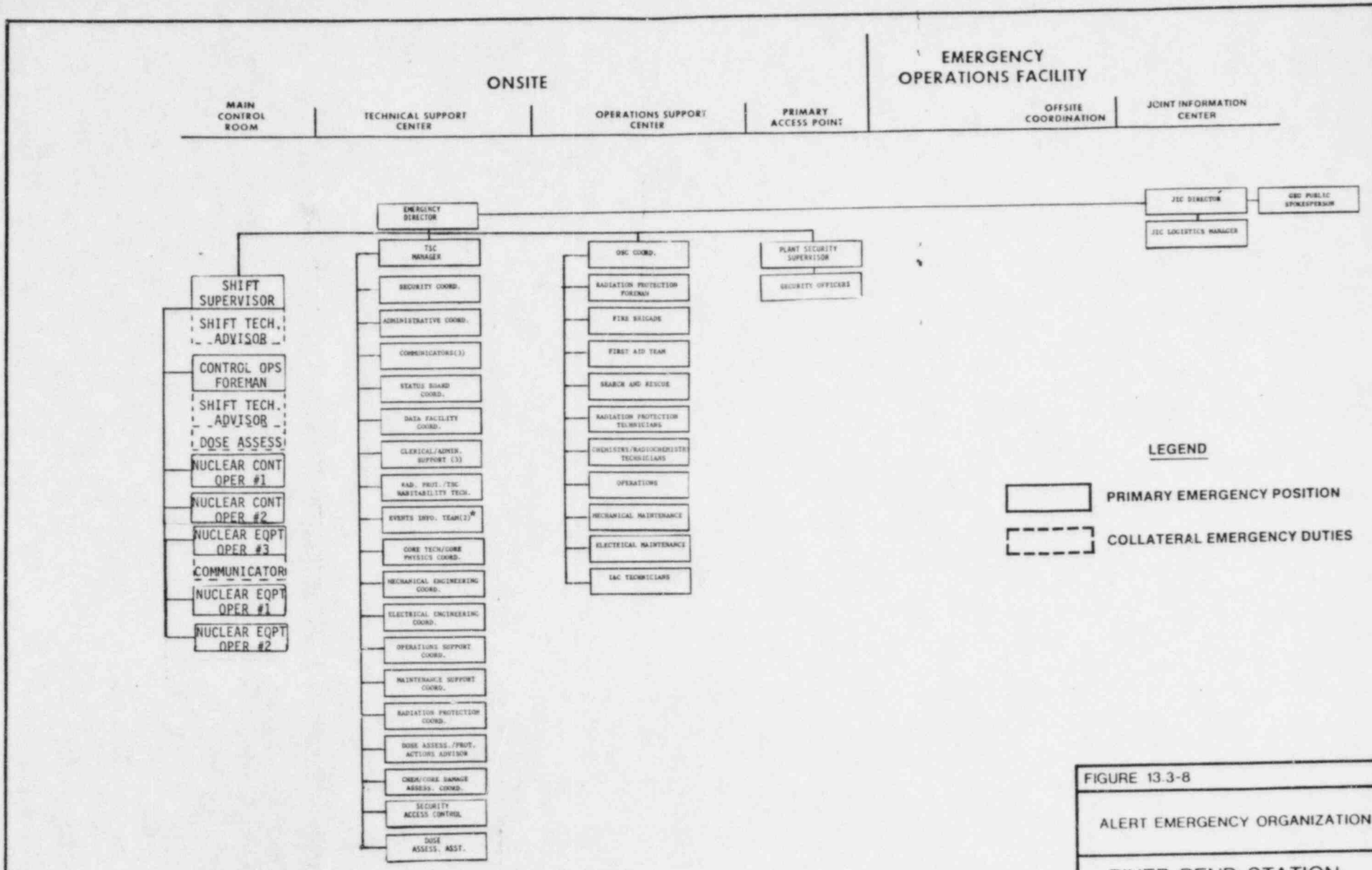


FIGURE 13.3-7

SITE AREA EMERGENCY–
EMERGENCY ORGANIZATION

RIVER BEND STATION
FINAL SAFETY ANALYSIS REPORT

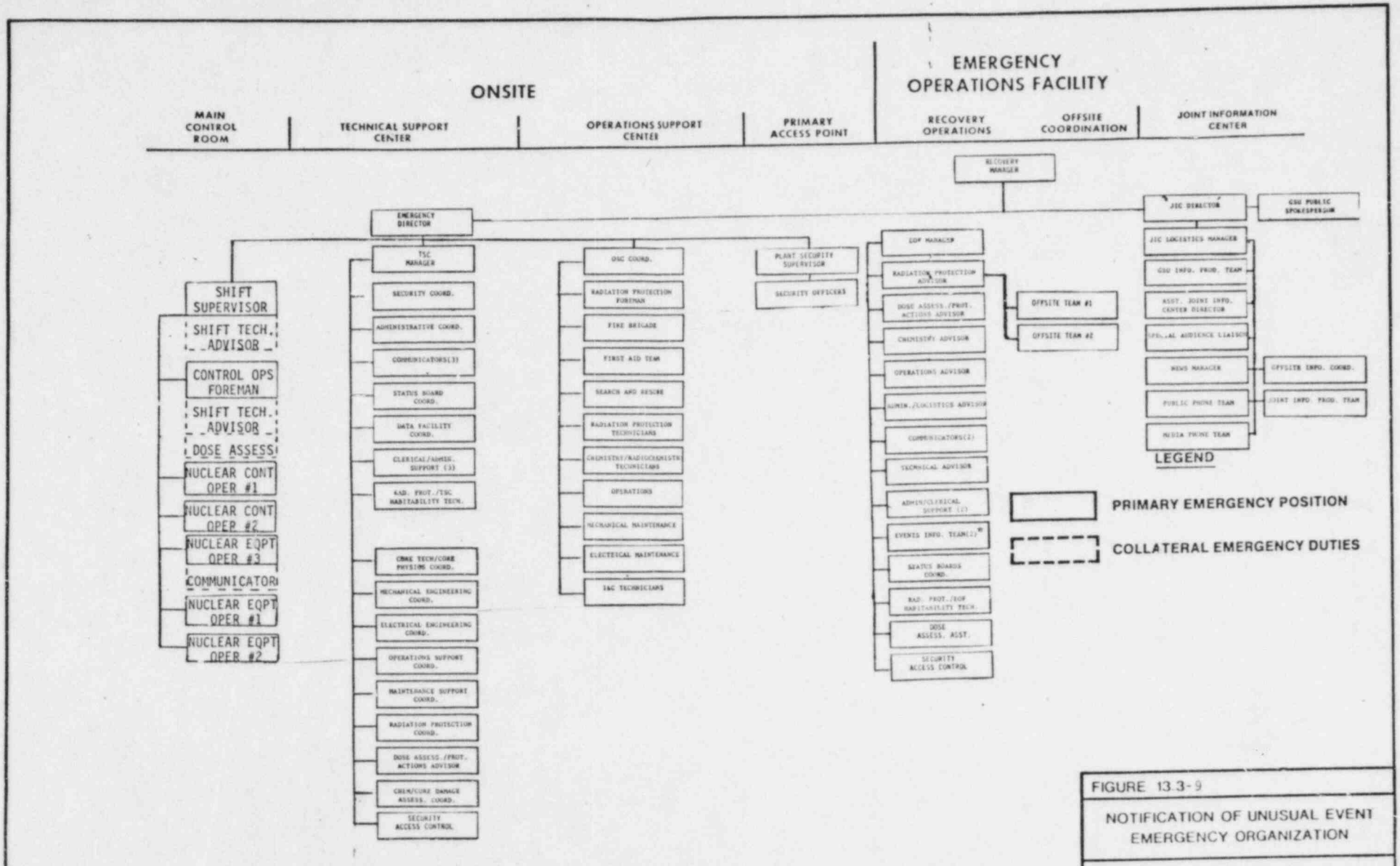


*Reports to the JIC Director

FIGURE 13.3-8

ALERT EMERGENCY ORGANIZATION

RIVER BEND STATION
FINAL SAFETY ANALYSIS REPORT

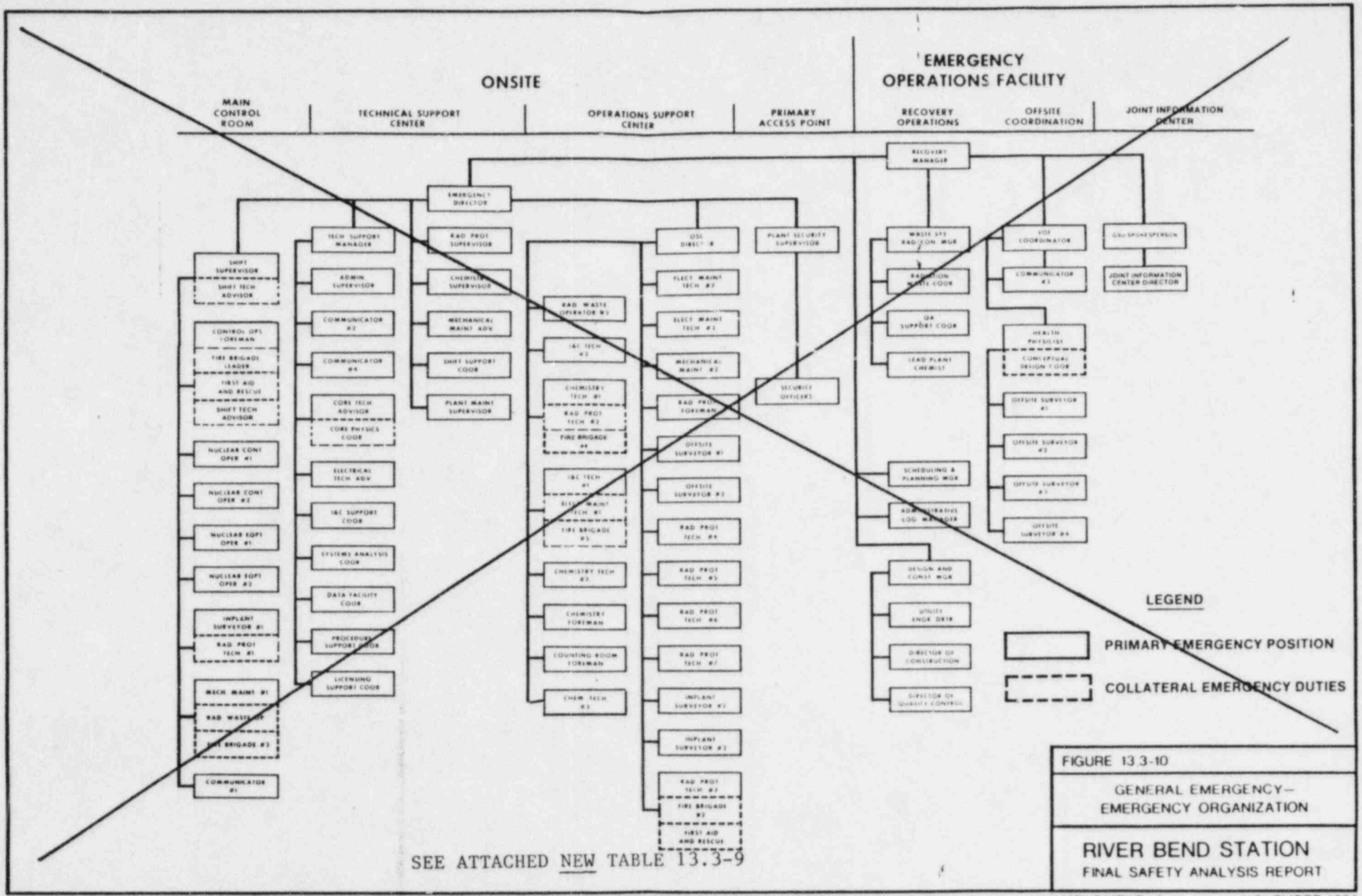


*Reports to the JIC Director

FIGURE 13.3-9

NOTIFICATION OF UNUSUAL EVENT EMERGENCY ORGANIZATION

RIVER BEND STATION
FINAL SAFETY ANALYSIS REPORT



SEE ATTACHED NEW TABLE 13.3-9

FIGURE 13.3-10

GENERAL EMERGENCY–
EMERGENCY ORGANIZATION

RIVER BEND STATION
FINAL SAFETY ANALYSIS REPORT

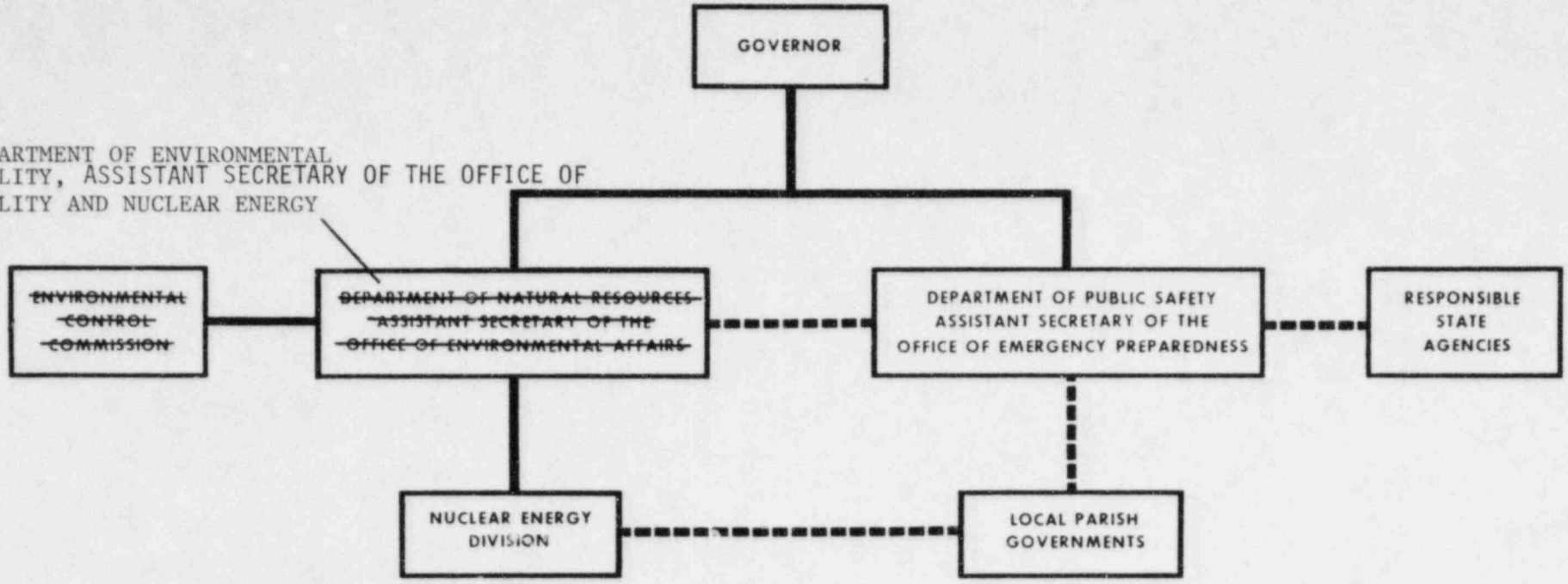
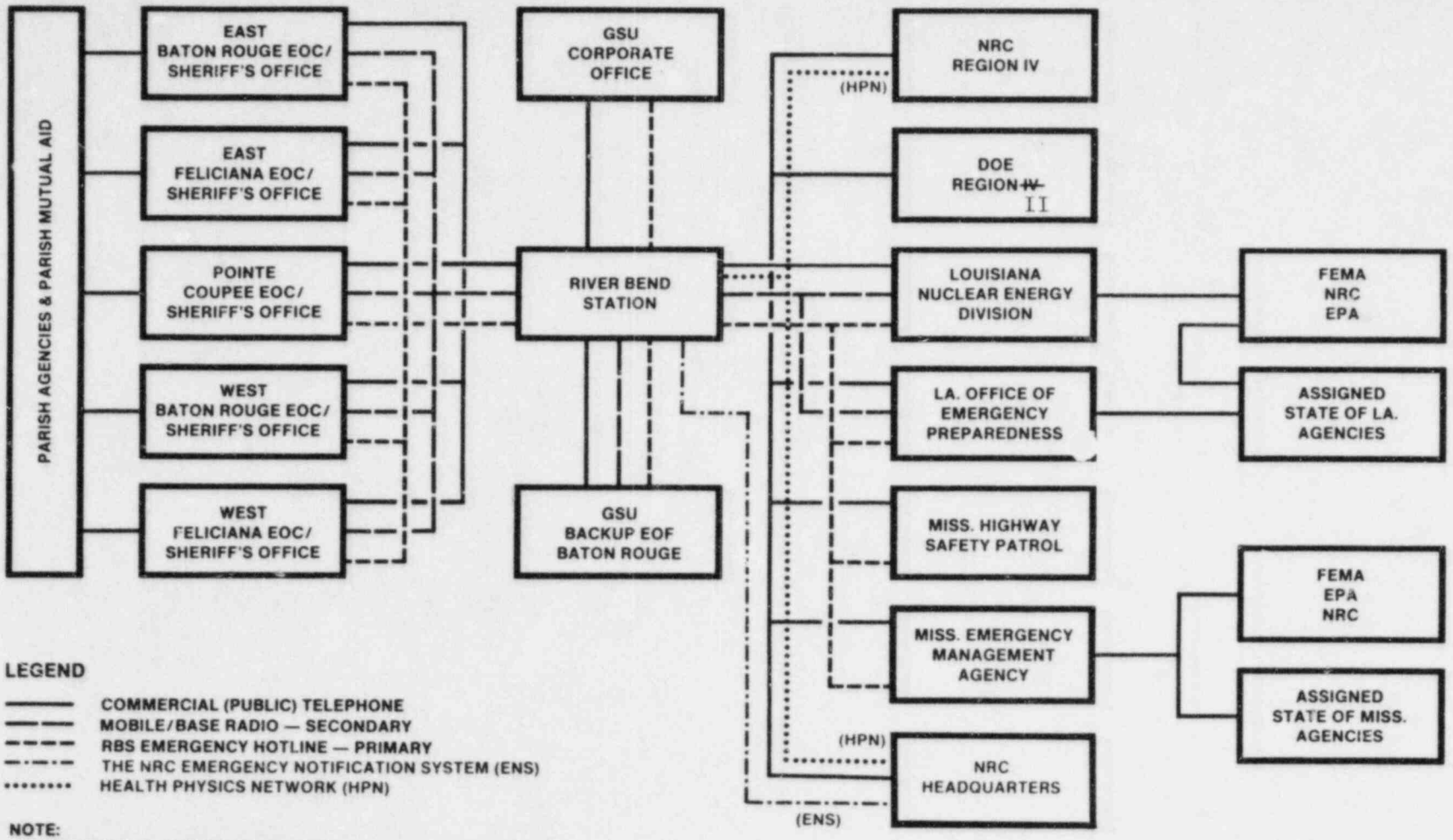


FIGURE 13.3-12

STATE OF LOUISIANA
EMERGENCY ORGANIZATION

RIVER BEND STATION
FINAL SAFETY ANALYSIS REPORT



LEGEND

- ——— COMMERCIAL (PUBLIC) TELEPHONE
- — — MOBILE/BASE RADIO — SECONDARY
- - - - RBS EMERGENCY HOTLINE — PRIMARY
- —·—·— THE NRC EMERGENCY NOTIFICATION SYSTEM (ENS)
- ····· HEALTH PHYSICS NETWORK (HPN)

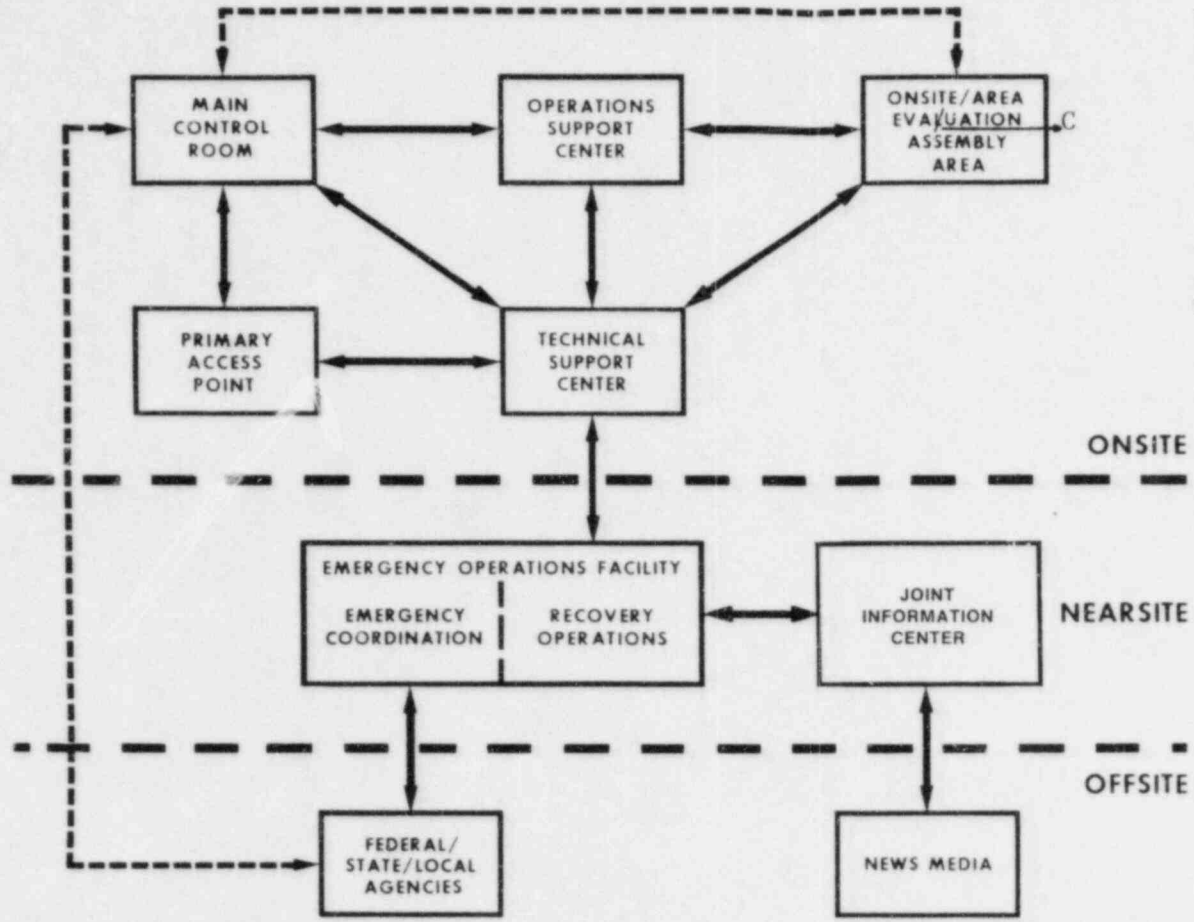
NOTE:

1. BOTH THE DEDICATED TELEPHONE AND RADIO CONTROL CIRCUITS WILL RELY ON A MIXTURE OF PRIVATE MICROWAVE AND DEDICATED LEASED CIRCUITS.
2. SEPARATE DEDICATED TELEPHONE CIRCUIT DESIGNATED THE HEALTH PHYSICS NETWORK (HPN SERVES THE NRC HEADQUARTERS AND REGION 4)

FIGURE 13.3-17

EMERGENCY OFFSITE COMMUNICATIONS

RIVER BEND STATION
FINAL SAFETY ANALYSIS REPORT

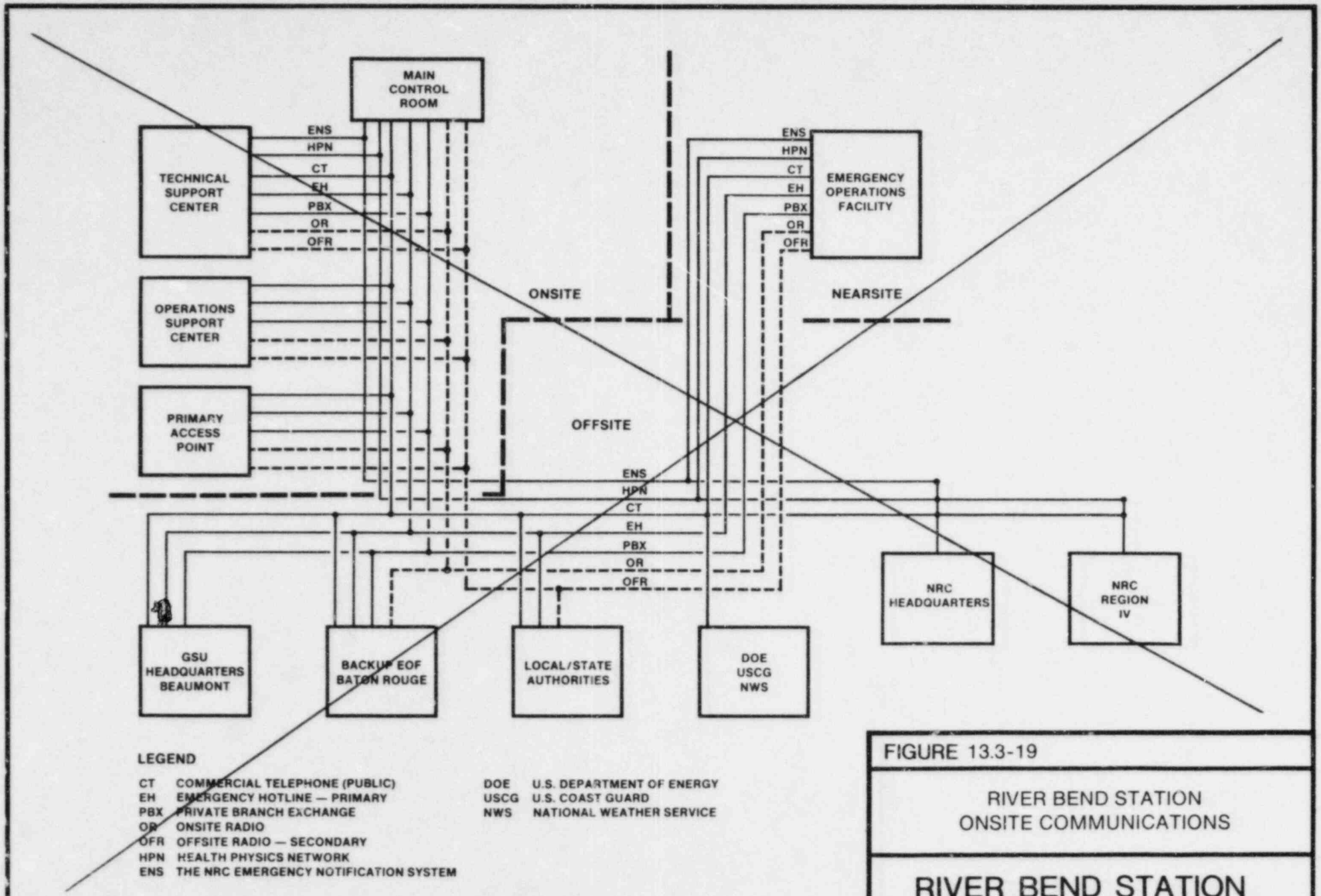


NOTE:
DOTTED LINES INDICATE INTERACTION DURING INITIAL PHASE AND NOTIFICATION OF UNUSUAL EVENT EMERGENCY

FIGURE 13.3-18

RIVER BEND STATION
EMERGENCY RESPONSE FACILITIES

RIVER BEND STATION
FINAL SAFETY ANALYSIS REPORT



LEGEND

CT	COMMERCIAL TELEPHONE (PUBLIC)
EH	EMERGENCY HOTLINE — PRIMARY
PBX	PRIVATE BRANCH EXCHANGE
OR	ONSITE RADIO
OFR	OFFSITE RADIO — SECONDARY
HPN	HEALTH PHYSICS NETWORK
ENS	THE NRC EMERGENCY NOTIFICATION SYSTEM
DOE	U.S. DEPARTMENT OF ENERGY
USCG	U.S. COAST GUARD
NWS	NATIONAL WEATHER SERVICE

SEE NEW FIGURE 13.3-19 ATTACHED

FIGURE 13.3-19

RIVER BEND STATION
ONSITE COMMUNICATIONS

RIVER BEND STATION
FINAL SAFETY ANALYSIS REPORT

RIVER BEND STATION
COMMUNICATION SERVICES

● = LOCATION HAS INDICATED SERVICE

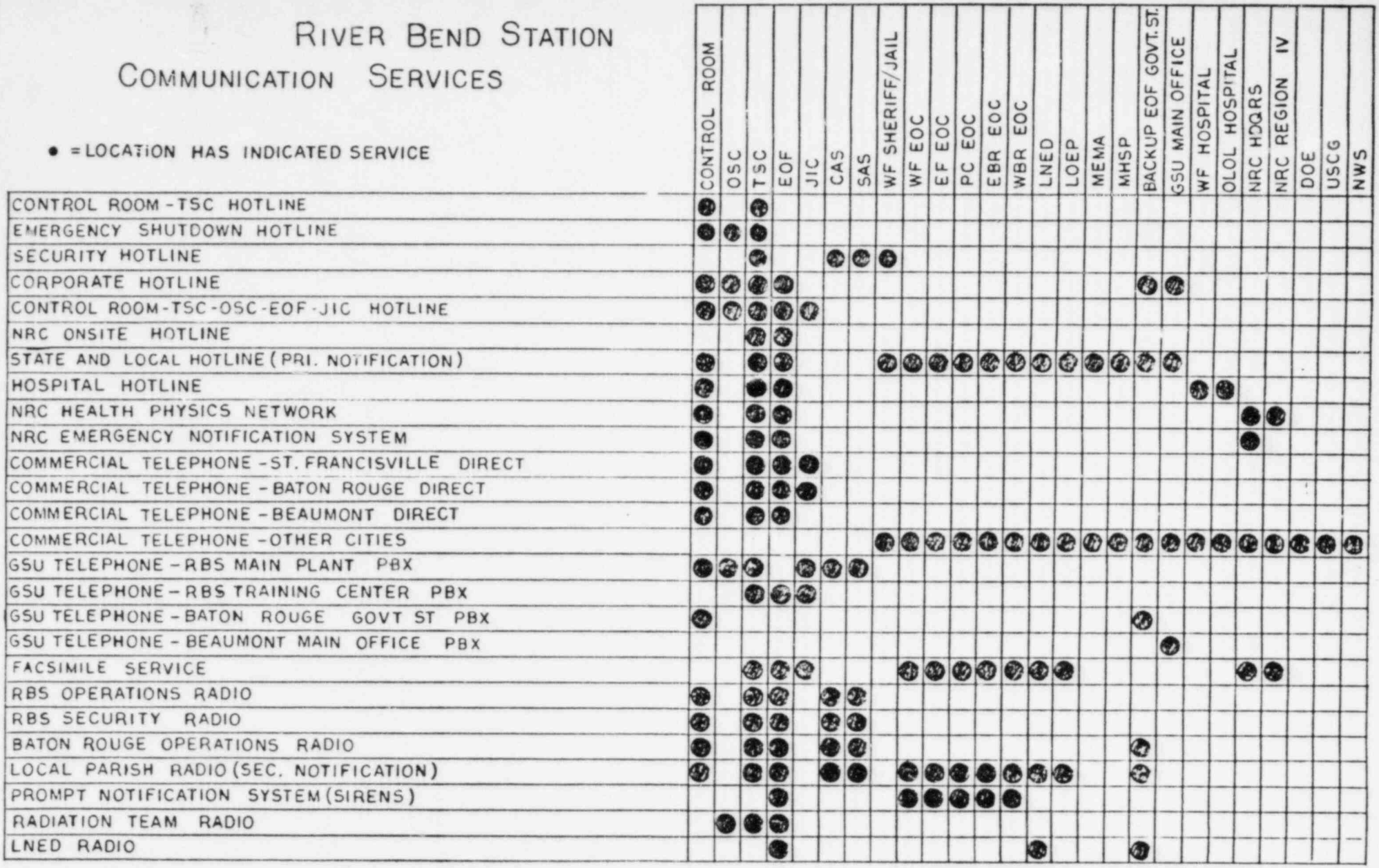


FIGURE 13.3-19

RIVER BEND STATION
ONSITE COMMUNICATIONS

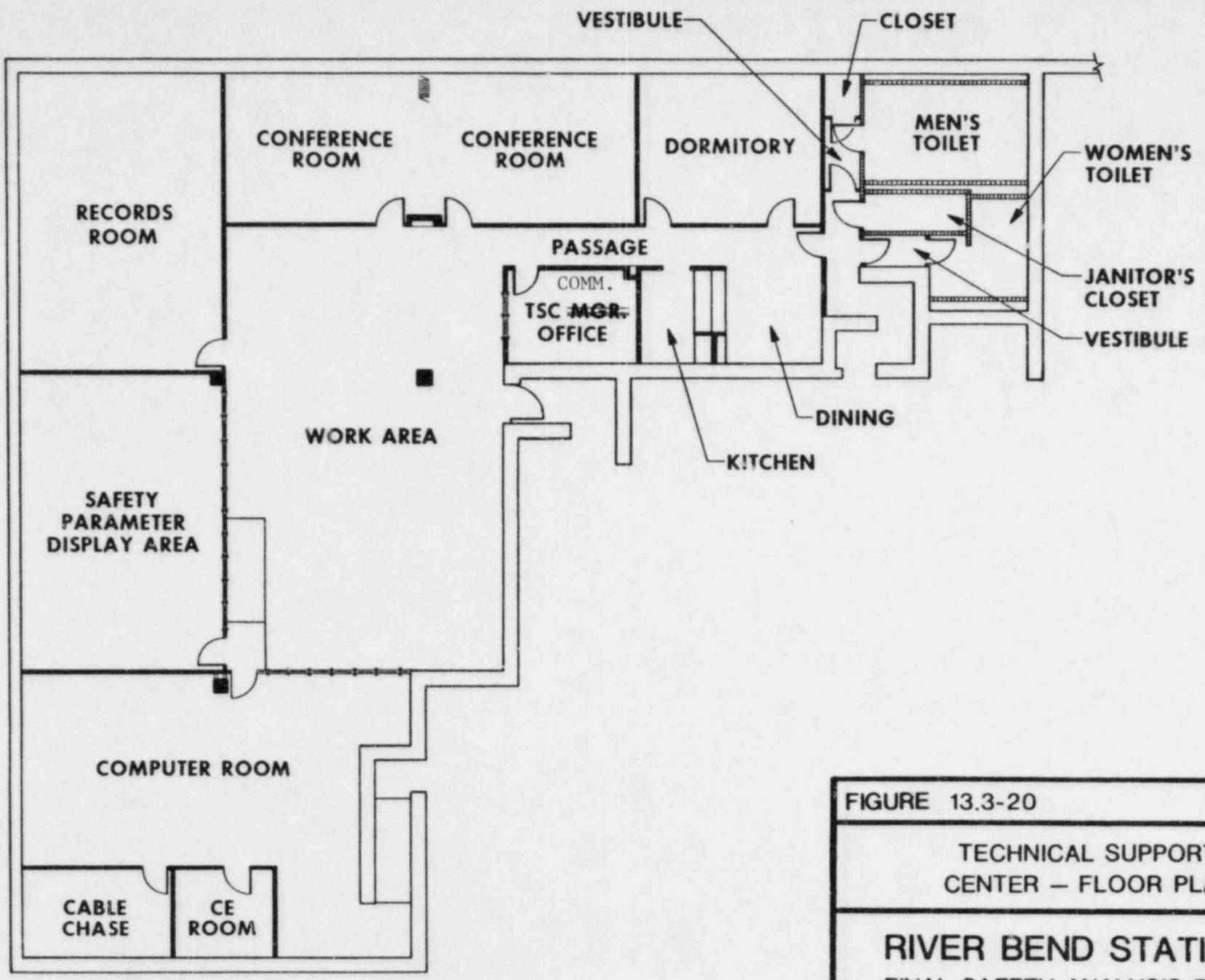
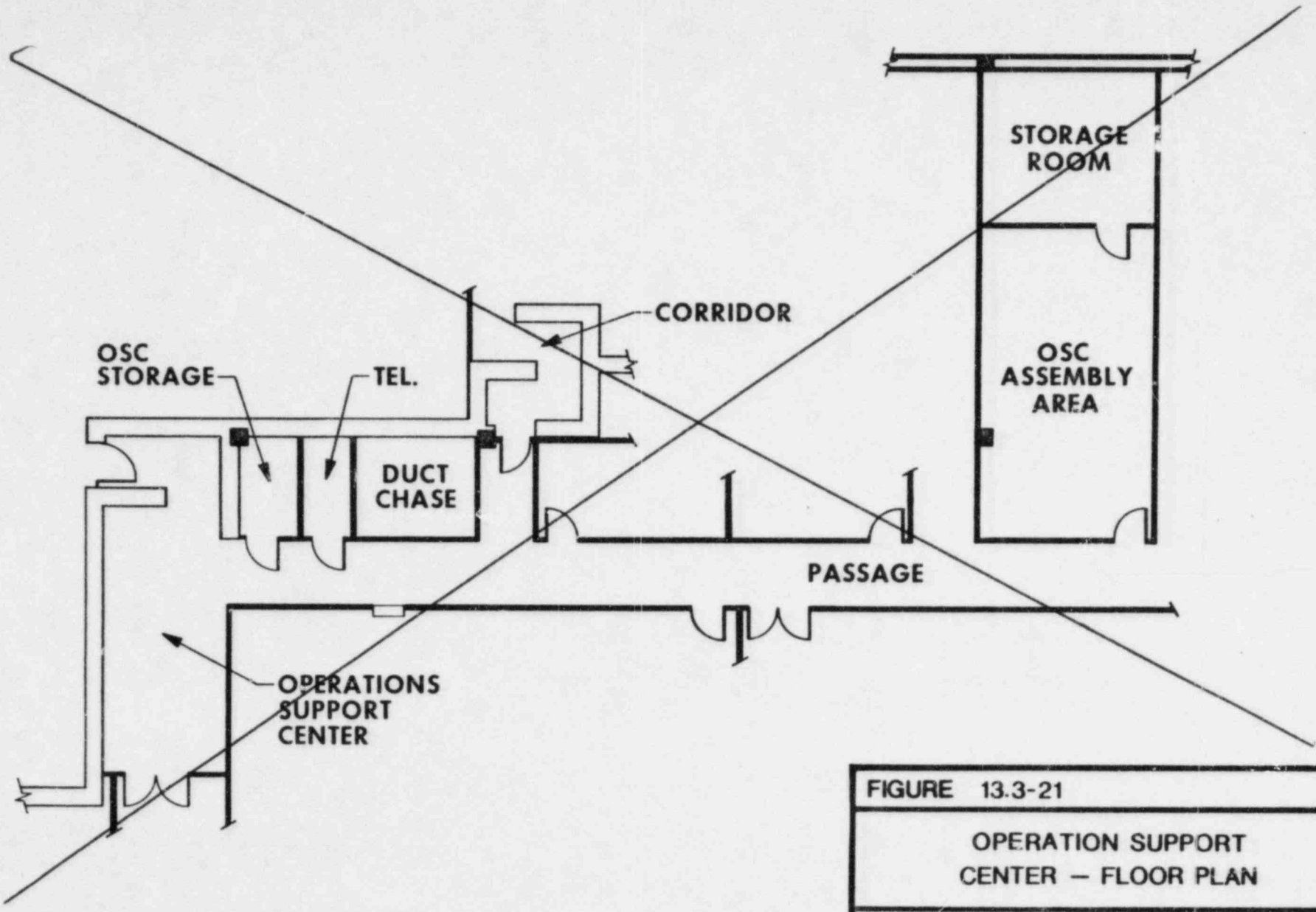


FIGURE 13.3-20

TECHNICAL SUPPORT CENTER – FLOOR PLAN

RIVER BEND STATION

FINAL SAFETY ANALYSIS REPORT



SEE NEW FIGURE 13.3-21 ATTACHED

FIGURE 13.3-21

OPERATION SUPPORT CENTER – FLOOR PLAN

RIVER BEND STATION
FINAL SAFETY ANALYSIS REPORT

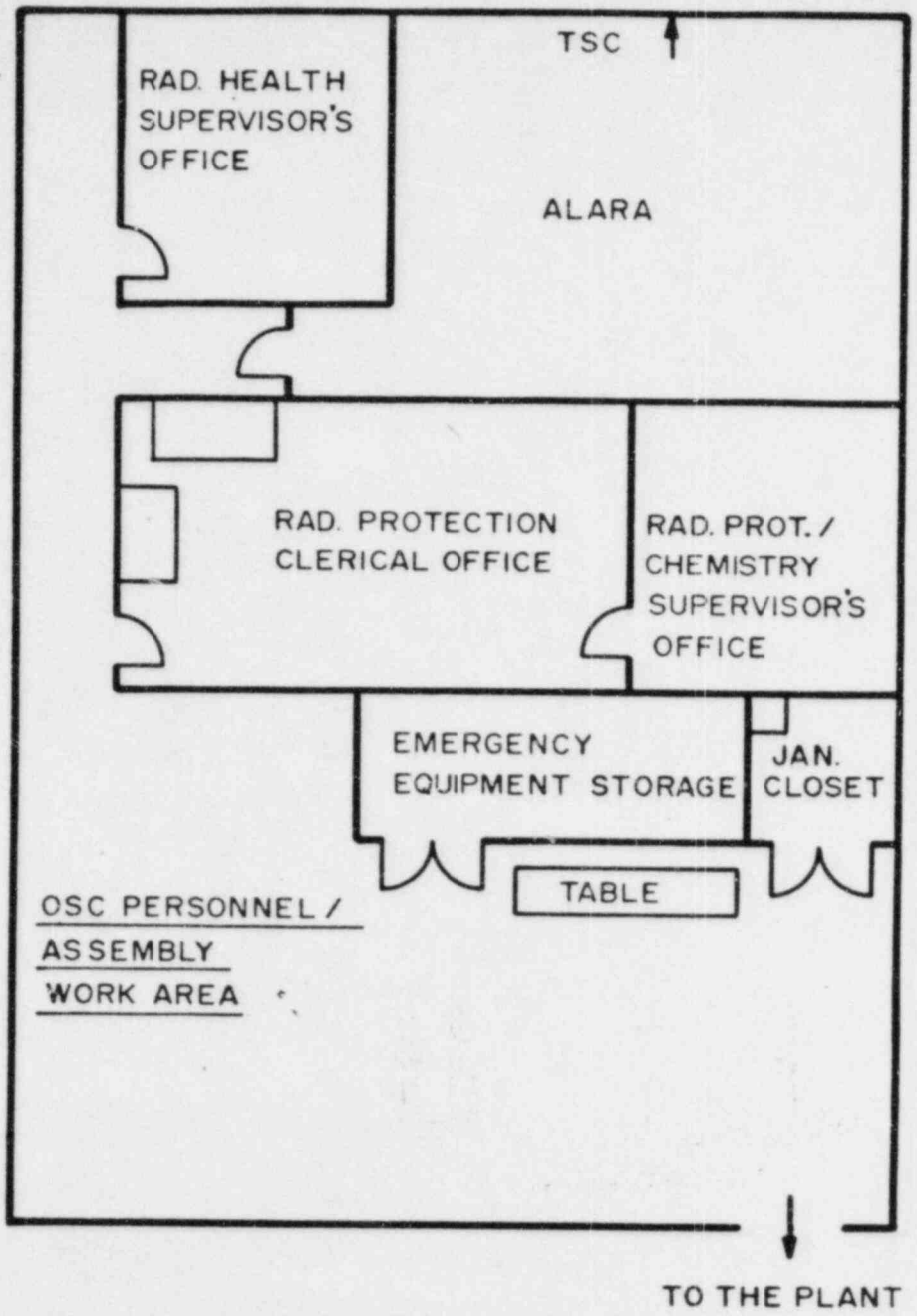


FIGURE 13.3-21

OPERATION SUPPORT CENTER — FLOOR PLAN

RIVER BEND STATION
FINAL SAFETY ANALYSIS REPORT

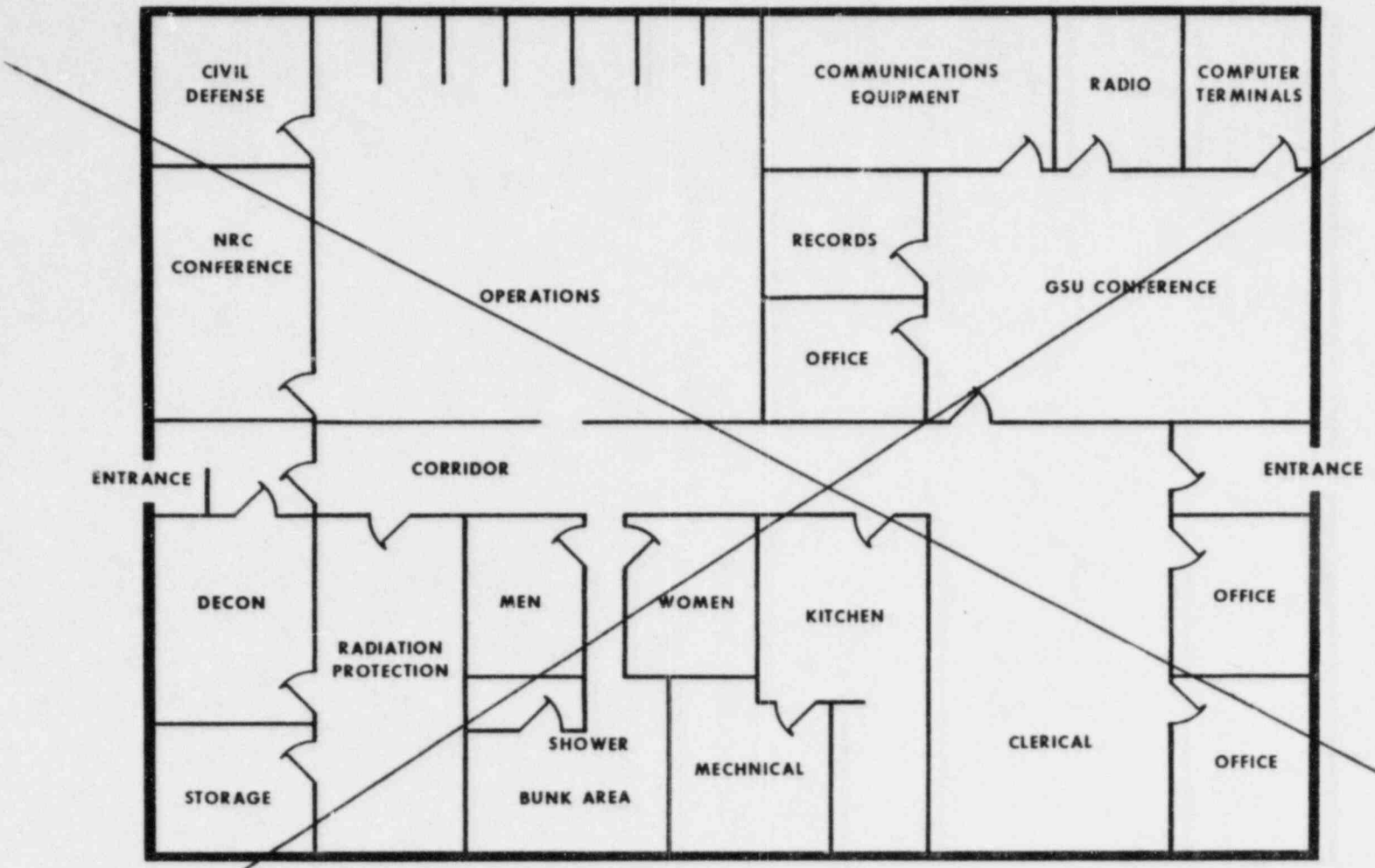


FIGURE 13.3-22

EMERGENCY OPERATIONS FACILITY-FLOOR PLAN

RIVER BEND STATION

FINAL SAFETY ANALYSIS REPORT

SEE NEW FIGURE 13.3-22 ATTACHED

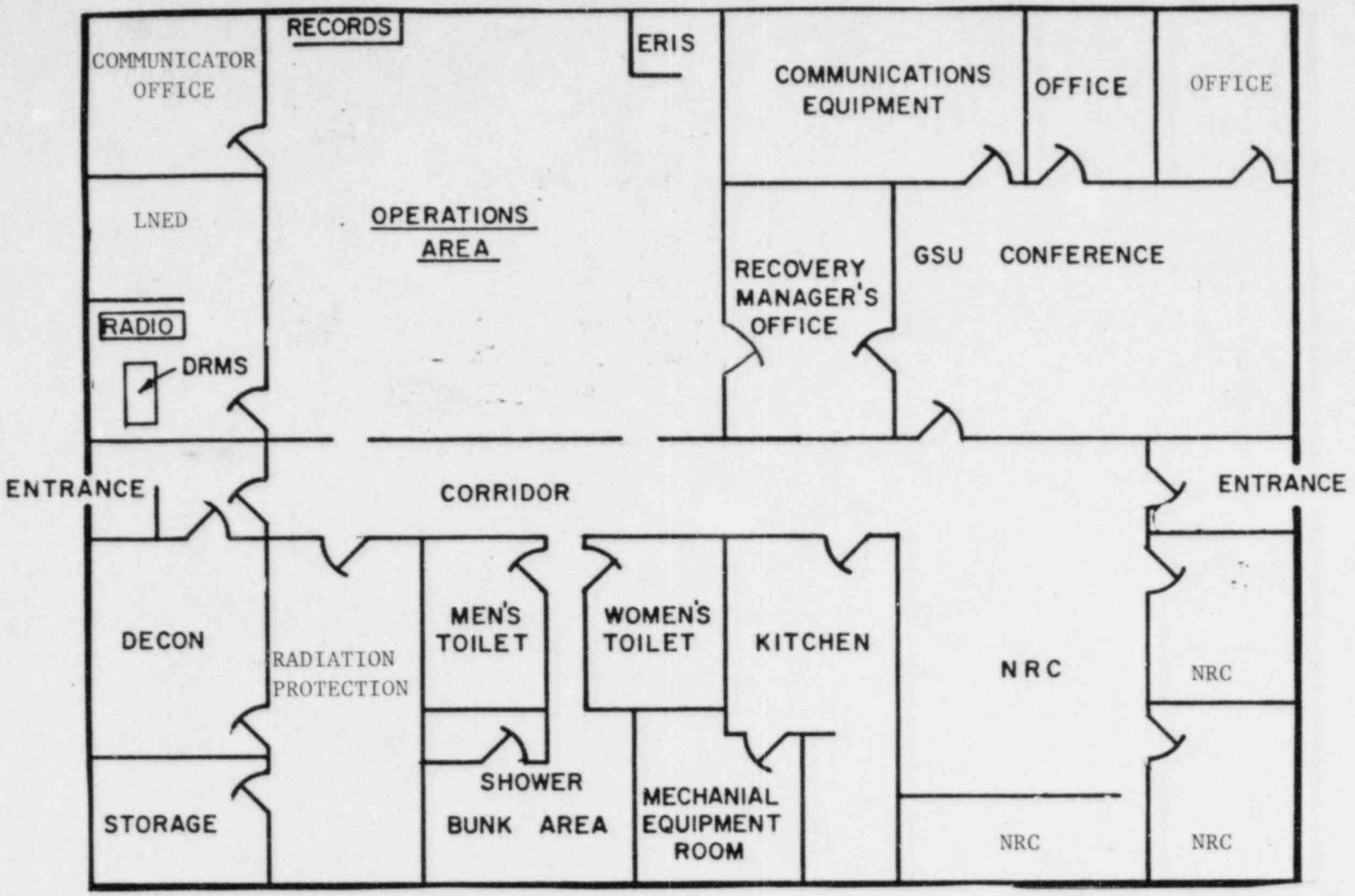
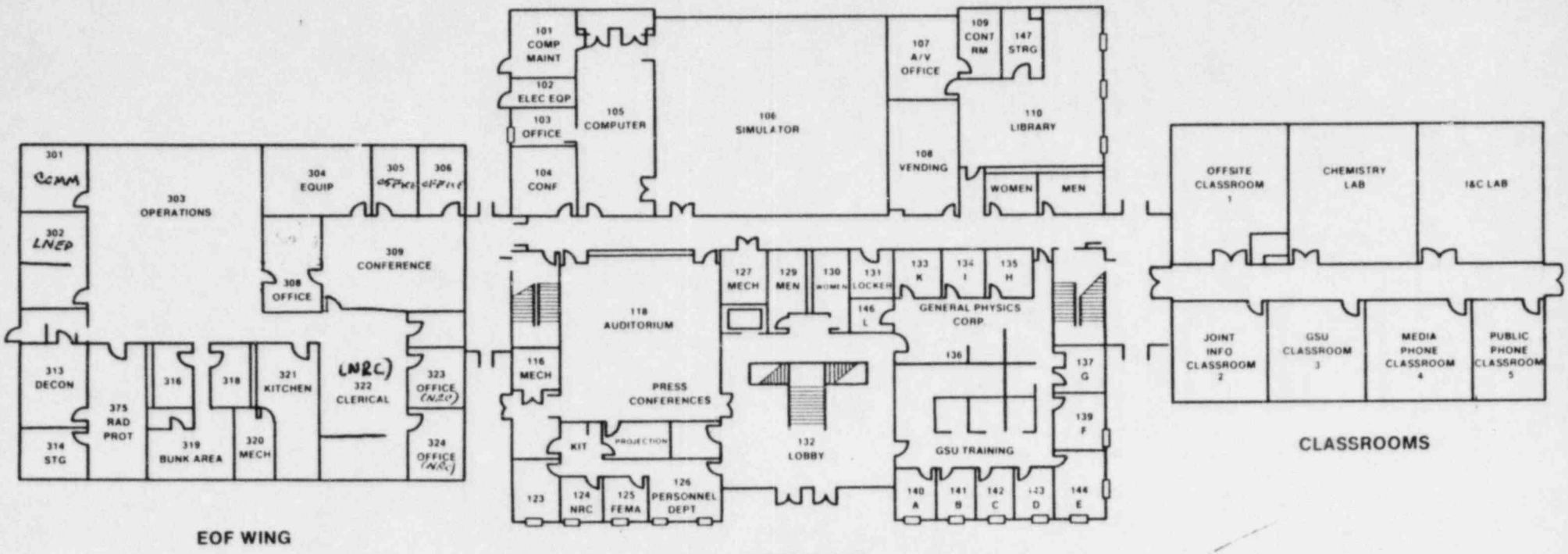


FIGURE 13.3-22

EMERGENCY OPERATIONS FACILITY-FLOOR PLAN

RIVER BEND STATION

FINAL SAFETY ANALYSIS REPORT



RIVER BEND TRAINING CENTER

JOINT INFORMATION CENTER

FIGURE 13.3-23

JOINT INFORMATION
CENTER-FLOOR PLAN

RIVER BEND STATION
FINAL SAFETY ANALYSIS REPORT

QUESTION 810.1 (13.3)

Discuss the extent of your compliance with NUREG 0696.

RESPONSE

Section 13.3.6 provides a discussion of the emergency facilities provided for River Bend Station. ~~Revisions to this section will be provided as the design of these facilities is finalized.~~

QUESTION 810.4

The arrangement with General Electric, dated April 5, 1982, appears to cover the start-up period of River Bend Station initial operations. The attached information letter, dated April 14, 1980, specifies that a prior written agreement will be needed to facilitate initiation of the Emergency Support Program. Provide said written agreement with General Electric. (A.3)

RESPONSE

The letter of agreement for support by General Electric ~~for plant operations will be provided during the last quarter of 1984.~~ is provided in Appendix B.

QUESTION 810.7

The Plan describes the responsibilities of the key members of the onsite emergency organization. However, the plant's normal and augmented shift organization does not conform to Reg. Guide 1.101, Rev. 2 (NUREG-0654, Table B-1). There is no capability for adding personnel at 30 minutes. The onshift staff lacks a shift technical advisor and a radiation protection technician for access control, HP coverage and personnel monitoring. The Plan should be revised to meet the guidance criteria of Table B-1 or an acceptable alternate method for carrying out the emergency functions expressed in Table B-1 should be submitted for the staff's review. (B.5)

RESPONSE

1. 30-Minute Response

~~Meeting the 30-minute response capability criteria as suggested in NUREG-0654 (Table B-1) could impact hiring of future personnel and staffing of the emergency response organization due to restrictions on availability and desirability of housing~~. GSU ~~will~~ has determined present residential patterns of response organization personnel to identify a response availability as suggested in Table B-1 of Regulatory Guide 1.101, Rev. 2 (NUREG-0654). ~~GSU will provide the findings to the NRC staff by July 1984 and establish site specific response times~~. This information is discussed in Section 13.3.5.1 and Table 13.3-17.

2. Shift Technical Advisor and Radiation Protection

The Shift Technical Advisor's functions can be provided by shift personnel assigned other functions as stated in NUREG-0654, Table B-1.

The Shift Technical Advisor's functions are performed by the Shift Supervisor as indicated in Table 13.3-5, Sheet 1, and Figures 13.3-7 through 13.3-10. An additional Radiation Protection Technician No. 3 is available on the operating shift. Health physics training is provided to the on-shift Chemistry Technician to enable him to provide health physics support for access control, personnel monitoring, and general health physics coverage. Tables 13.3-5 and ~~13.3-6,~~ Figures 13.3-7, 13.3-8, 13.3-9, and ~~13.3-10~~, and Appendix A have been revised accordingly.

QUESTION 810.12

Section 13.3.4.4.1 of the Plan provides for the dispatch of a Gulf States Utilities (GSU) representative to the State EOC. However, the Plan does not provide for the dispatch of a GSU representative to the West Feliciana Parish EOC. (C.2.b)

RESPONSE

~~Adequate facilities have been provided for a representative of each local parish government at the RBS EOF. There is no need to duplicate the interface at each EOC. GSU will dispatch a representative to the State of Louisiana EOC in Baton Rouge once it is activated. GSU will review this subject with the State of Louisiana and the five River Bend Parish governments to determine the preferred modes of operation and will reflect this mode in all appropriate plans.~~

GSU technical representatives have been assigned as Parish and State Liaison Officers to the State of Louisiana Emergency Operations Center (EOC) and to the respective Parish EOCs.

QUESTION 810.14

The Mutual Assistance Plan, referred to in Section 13.3.4.3.2.9, is not appended to the Plan and therefore cannot be evaluated. Section 13.3.4.3.2.9 should be expanded to include the general capabilities of the support utilities and their expected availability to provide analyses services in the event of an emergency. (C.3)

RESPONSE

A copy of the Mutual Assistance Plan is ~~provided in revised Appendix B.~~ available in the TSC and the EOF.

QUESTION 810.24

Provide, as a separate package in draft format, the public information documents that will be used to educate the public. (G.2)

RESPONSE

The public information brochure is under development, and a draft was ~~submitted~~ provided for review in October 1984.

QUESTION 810.44

The Plan does not indicate if provision has been made for access to meteorological information by the EOF, TSC, control room and an offsite NRC Center. (I.5)

RESPONSE

Section 13.3.5.2 has been revised to indicate that meteorological information is accessed via computer CRTs by the TSC and EOF. Communication links to the NRC (as illustrated in revised Figures 13.3-17 and 13.3-19) are available to relay information to the NRC from any of the above centers.

Meteorological information is available in the main control room. ~~will be provided at a later date.~~

QUESTION 810.65

The Plan does not adequately describe the criteria for permitting return of areas to normal use. (K.6.c)

RESPONSE

Criteria for the return of areas to normal use ~~as outlined in ANSI 13.12 (Draft) are currently under review and will be incorporated by January 1984.~~

is described in Section 13.3.5.4.1.1.7. The RBS Radiation Protection Plan limits for contamination in uncontrolled areas are consistent with NRC I&E Circular 81-07 and Regulatory Guide 1.86, Table 1.

QUESTION 810.73

Appendix F contains a listing of Emergency Implementing Procedures (EIPs); however, the listing does not include the section(s) of the Plan to be implemented by each procedure. (P.7)

RESPONSE

A cross reference between the RBS Emergency Plan and the Emergency Implementing Procedures ~~will be completed and submitted for review once the procedures~~ are ~~completed.~~ provided in Table F-2.

APPENDIX A

EMERGENCY ORGANIZATION

JOB DESCRIPTIONS

APPENDIX A

EMERGENCY ORGANIZATION JOB DESCRIPTIONS

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SHIFT SUPERVISOR/SHIFT TECHNICAL ADVISOR

A. LOCATION: Main Control Room

B. FUNCTIONS AND RESPONSIBILITIES:

1. Functions as the Emergency Director and Recovery Manager until relieved.

2. Directs the activities of the normal plant operations personnel and the emergency response organization shift support personnel.

3. Directs the operation of the plant in compliance with all normal plant procedures, directives, technical specifications, and emergency procedures.

4. Provides information and recommendations on accident response to the Emergency Director.

5. Monitors plant parameters and plant conditions.

6. Directs system valve alignments and equipment operation.

7. Interfaces with the emergency response organization in support of the emergency response operations.

CONTROL OPERATIONS FOREMAN

A. LOCATION: Main Control Room

B. FUNCTIONS AND RESPONSIBILITIES:

1. Provides direction and control of emergency operation and implementing procedures until additional support arrives.

2. Assists the Shift Supervisor with reports of plant conditions and recommendations for plant emergency control.

3. Performs initial Dose Assessment calculations and formulates public protective action recommendations until additional support arrives and the Technical Support Center is activated.

NUCLEAR EQUIPMENT OPERATORS

A. LOCATION: Main Control Room

B. FUNCTIONS AND RESPONSIBILITIES:

1. Assists the Shift Supervisor in accident assessment and emergency response operations.

2. Operates plant equipment in support of emergency response and recovery operations.

3. Member of the Fire Brigade, First Aid Team, and Search and Rescue Team.

4. A designated NEO acts as Control Room Communicator for the duration of the emergency.

NUCLEAR CONTROL OPERATORS

A. LOCATION: Main Control Room

B. FUNCTIONS AND RESPONSIBILITIES:

1. Supports the Shift Supervisor in emergency assessment and plant emergency response controls.

2. Provides additional assistance as directed by the Shift Supervisor to mitigate the effects of the emergency situation.

3. May be assigned responsibilities as Fire Brigade leader, Search and Rescue Team leader, or First Aid Team leader.

COMMUNICATORS

A. LOCATION: Main Control Room, Technical Support Center, and Emergency Operations Facility

B. FUNCTIONS AND RESPONSIBILITIES:

1. Performs emergency notification procedures.

2. Maintains contact with offsite authorities and relays appropriate information concerning station status.

3. Relays inquiries from offsite authorities to appropriate emergency response organization members.

DOSE ASSESSMENT/PROTECTIVE ACTIONS ADVISORS

A. LOCATION: Technical Support Center/Emergency Operations Facility

B. FUNCTIONS AND RESPONSIBILITIES:

1. Provides responding representatives from offsite emergency response agencies information regarding possible offsite radiological consequences.

2. Assists in organizing and dispatching offsite radiological monitoring teams as required.

3. Interprets the offsite radiological data obtained and updates the EOF staff and offsite authorities with the results, in terms of both real-time measurements and, to the extent possible, projected radiological exposures.

4. Maintains a continuing dialogue with the Radiation Protection Advisor.

5. Formulates public protective action recommendations based on evaluated offsite radiological hazards.

EVENTS INFORMATION TEAM

A. LOCATION: Technical Support Center/Emergency Operations Facility

B. FUNCTIONS AND RESPONSIBILITIES:

1. Monitor emergency status and interface with the emergency response organization to determine information to be provided to the Joint Information Center for public dissemination.

2. Coordinate approval of information to be released to the public with the Emergency Director or the Recovery Manager following EOF activation.

3. Keep the Joint Information Center staff informed of changes in emergency conditions.

STATUS BOARD COORDINATORS

A. LOCATION: Technical Support Center/Emergency Operations Facility

B. FUNCTIONS AND RESPONSIBILITIES:

The Status Boards Coordinators shall update the EOF/TSC status boards with current emergency information obtained from the:

1. Recovery Manager/Emergency Director
2. EOF Manager/TSC Manager
3. Radiation Protection Advisor/Radiation Protection Coordinator
4. Operations Advisor/Operations Support Coordinator
5. Chemistry Advisor/Chemistry Core Damage Assessment Coordinator

RADIATION PROTECTION/HABITABILITY TECHNICIANS

A. LOCATION: Technical Suppcrt Center/Emergency Operations Facility

B. FUNCTIONS AND RESPONSIBILITIES:

1. Complete the check of TSC/EOF emergency equipment.

2. Maintain the TSC/EOF contamination control point.

3. Perform other actions as directed by the Radiation Protection Advisor or the Administrative/Logistics Advisor.

4. Assist the Dose Assessment/Protective Actions Advisor in coordinating offsite radiological monitoring personnel as necessary.

5. Operate the TSC/EOF Decontamination Facility as necessary.

6. Keep the Radiation Protection Advisor informed of the status of TSC/EOF habitability.

ADMINISTRATIVE AND LOGISTICS ADVISOR

A. LOCATION: Emergency Operations Facility

B. FUNCTIONS AND RESPONSIBILITIES:

1. Provides the general office support functions including typing, reproduction, office supplies, and office furniture. Special items such as photography services and facility/area maps that may be required.

2. Handles the arrangements for motel, airline, and trailer arrangements. Performs the functions of registration and general personnel orientation.

3. Meets the telephone requirements of the overall emergency and recovery organization and provides for special radio requirements (such as mobile units and radio pagers). An emergency organization telephone directory is maintained.

4. Functions as the emergency and recovery organization purchasing agent with responsibility for contract negotiation/administration and material control.

5. Administers the petty cash fund and expense accounts. Provides for handling of payroll matters.

6. Provides for food deliveries and for trash disposal.

7. Meets the manpower request needs of the emergency and recovery organization both in the technical and craft disciplines. Ensures that clerical support is available and provides labor relations assistance as required.

8. Maintains shuttle services between surrounding motels and airports. Supplies special transportation (helicopters, buses), as required.

ADMINISTRATIVE/CLERICAL SUPPORT

A. LOCATION: Technical Support Center/Emergency Operations Facility

B. FUNCTIONS AND RESPONSIBILITIES:

1. Provide administrative and clerical support to the Technical Support Center staff and the Emergency Operations Center staff.

SECURITY OFFICER

A. LOCATION: Technical Support Center/Emergency Operations Facility

B. FUNCTIONS AND RESPONSIBILITIES:

1. Provide security control of ingress and egress at each facility.

2. Interface with the emergency organization to provide security assistance as requested.

EMERGENCY DIRECTOR

A. LOCATION: Technical Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Functions as the Recovery Manager until relieved of these functions and responsibilities.

2. Provides the overall management for all onsite operations and procedures in support of the objectives of the emergency response and recovery operations.

3. Responsible for emergency classifications based upon plant conditions, meteorology, and radiological data.

4. Approves the analysis and the development of plans and procedures which are conducted in direct support of operations personnel.

TECHNICAL SUPPORT CENTER MANAGER

A. LOCATION: Technical Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Analyzes and develops plans and procedures to directly support operations personnel with the objective of placing the plant in a safe shutdown condition in a manner which minimizes any adverse health and safety effects on the public.

2. Provides a central facility (the TSC) for the collection, retention, retrieval, and transmittal of plant and local environmental parameters (which includes the coordination of data processing, document control, and communications).

3. Analyzes instrument and controls problems, determines alternatives, and designs and coordinates the installation of short-term instrument and controls modifications.

4. Analyzes system operations problems, determines alternatives, and designs and coordinates the installation of system modifications.

5. Analyzes conditions and develops guidance for operations shift personnel on the protection of the reactor core.

6. Develops operating and emergency procedures in direct support of operations shift personnel.

7. Coordinates the activities of the Operations Support Center in repair and corrective actions and keeps the Operations Support Center Coordinator informed of the status of emergency conditions within the plant.

CORE TECHNICAL/CORE PHYSICS COORDINATOR

A. LOCATION: Technical Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Analyzes core parameters to determine current conditions of the core.

2. Reviews proposed plant operations with respect to the affect on core conditions.

3. Develops recommendations for plant operations that would affect core conditions.

MECHANICAL ENGINEERING COORDINATOR

A. LOCATION: Technical Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Analyze problems associated with the operation of plant systems and equipment and develops plans to best cope with system and equipment operational problems.

2. Coordinates with the Operations Support Coordinator and the Maintenance Coordinator in determining repair and corrective actions necessary to mitigate the emergency.

ELECTRICAL ENGINEERING COORDINATOR

A. LOCATION: Technical Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Analyze problems associated with the operation of plant systems and equipment and develops plans to best cope with system and equipment operational problems.

2. Coordinates with the Operations Support Coordinator and the Maintenance Coordinator in determining repair and corrective actions necessary to mitigate the emergency.

OPERATIONS SUPPORT COORDINATOR

A. LOCATION: Technical Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Provides assistance to the Emergency Director in monitoring plant parameters and analyzing plant conditions.

2. Provides advise and assistance to the Emergency Director and Operations in system valve alignments and equipment operation.

3. Assists in coordinating the emergency response and recovery organization objectives requiring implementation by Operations.

4. Keeps the Technical Support Center Manager and the Emergency Director informed of operational aspects of the emergency.

MAINTENANCE SUPPORT COORDINATOR

A. LOCATION: Technical Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Supports plant repair and corrective actions by advising the Technical Support Manager and the Emergency Director.

2. Directs repair and corrective actions and reports the status to the Emergency Director.

3. Coordinates with the Operations Support Coordinator and the Engineering Coordinators to determine the most effective method for corrective actions necessary to terminate the emergency.

RADIATION PROTECTION COORDINATOR

A. LOCATION: Technical Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Directs the Radiation Protection staff in accumulating radiation data and dose assessment data and in implementing radiation protection programs in support of the emergency response and recovery operations.

2. Provides ALARA review of proposed emergency response organization activities.

3. Provides radiation protection support to the EOF upon request from the Health Physics Foreman.

4. Provides for the decontamination of station personnel and equipment.

CHEMISTRY/CORE DAMAGE ASSESSMENT COORDINATOR

A. LOCATION: Technical Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Provides information and recommendations to the Emergency Director concerning future operations that could affect the plant or the environment.

2. Directs the chemistry technicians in accumulating onsite chemical and radiochemical data in support of emergency response and recovery operations.

3. Coordinates the distribution of samples between off-site and onsite analytical facilities, including contractors and regulatory agencies.

4. Provides recommendations to the Emergency Director on chemistry and radiochemistry problems.

5. Analyzes radiochemical data to provide assessment of core damage.

SECURITY COORDINATOR

A. LOCATION: Technical Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Provide coordination of Security Force activation with the emergency response organization.

2. Keep track of radiological or other hazards within the facility and relay hazard information to the Security Supervisor.

3. Interface with the Technical Support Center staff to provide Security assistance as requested by the Emergency Director.

ADMINISTRATIVE COORDINATOR

A. LOCATION: Technical Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Provides typing, filing, document retrieval, and office equipment operation to all personnel within the TSC.

2. Coordinates with the Administrative and Logistics Advisor to provide for TSC requirements for additional communications equipment, office supplies, office equipment, as necessary.

3. Performs the duties of the Administrative Advisor until the Emergency Operations Facility is activated.

DATA FACILITY COORDINATOR

A. LOCATION: Technical Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Provides for the accumulation, retention, and retrieval of plant information and records.

2. Transmits information to the Emergency Operations Facility.

3. Provides a single location for the acquisition of documents, records, plant drawings, and procedures needed by the Technical Support Center staff.

OPERATIONS SUPPORT CENTER COORDINATOR

A. LOCATION: Operations Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Coordinates all emergency response activities in the OSC.

2. Provides direction to the OSC support personnel.

RADIATION PROTECTION FOREMAN

A. LOCATION: Operations Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Organizes and dispatches onsite and in-plant survey teams.

2. Ensures coordinated health physics coverage of repair actions, search and rescue activities, first aid and firefighting.

3. Ensure proper personnel dosimetry and monitoring for emergency response personnel.

FIRE BRIGADE

A. LOCATION: Operations Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

See RBS Technical Specification Section 6.2.2(e).

FIRST AID TEAM

A. LOCATION: Operations Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

To provide emergency care or treatment to seriously ill or injured personnel before medical assistance can be obtained during an emergency.

SEARCH AND RESCUE

A. LOCATION: Operations Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

To search for personnel missing or in danger and return them safely to the facility.

RADIATION PROTECTION TECHNICIANS

A. LOCATION: Operations Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Assists in access control to radioactively contaminated areas.

2. Provides radiation protection coverage for repair and corrective actions, search and rescue, first aid, and firefighting.

3. Provides for personnel monitoring during an evacuation of site personnel.

4. Directs personnel monitoring and dosimetry for emergency response personnel.

5. Assists with radiation protection tasks as directed by the Radiation Protection Foreman.

CHEMISTRY/RADIOCHEMISTRY TECHNICIANS

A. LOCATION: Operations Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Supports accident assessment efforts by obtaining and analyzing plant radiochemistry and chemistry samples.

2. Assists firefighting efforts as required.

3. May be assigned to an Offsite Radiological Monitoring Team.

OPERATIONS

A. LOCATION: Operations Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

Assist the Operational Support Coordinator in the TSC on OSC operational matters and assist the OSC teams on plant/operational matters.

MECHANICAL MAINTENANCE

A. LOCATION: Operations Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Implement repair and corrective actions as directed by the Operations Support Center Coordinator.

ELECTRICAL MAINTENANCE

A. LOCATION. Operations Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Implement repair and corrective actions as directed by the Operations Support Center Coordinator.

I&C TECHNICIANS

A. LOCATION: Operations Support Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Implement repair and corrective actions as directed by the Operations Support Coordinator.

RECOVERY MANAGER

A. LOCATION: Emergency Operations Facility

B. FUNCTIONS AND RESPONSIBILITIES:

1. Assumes the Recovery Manager functions and responsibilities upon arrival at the EOF (as discussed in Section 13.3.4.2.1).

2. Provides the overall management and technical support of the RBS emergency response and recovery operations during SITE AREA EMERGENCY, GENERAL EMERGENCY AND RECOVERY responses.

EMERGENCY OPERATIONS FACILITY MANAGER

A. LOCATION: Emergency Operations Facility

B. FUNCTIONS AND RESPONSIBILITIES:

1. Coordinates the activities of the RBS staff in the EOF with those of the onsite emergency response organization.

2. Establishes communication with the TSC staff and obtains information on the diagnosis and prognosis of the accident condition, the estimates of radioactive material releases, and the prevailing meteorological conditions.

3. Notifies corporate management and coordinates the flow of information between the station and corporate offices.

4. Arranges for and dispatches any special assistance or service required.

5. Maintains control over personnel assembled in the EOF and assesses and provides for any considerations necessary for their safety.

6. Receives any responding representatives from offsite emergency agencies and assists in their information and communication needs.

RADIATION PROTECTION ADVISOR

A. LOCATION: Emergency Operations Facility

B. FUNCTIONS AND RESPONSIBILITIES:

1. Direct the Dose Assessment/Protective Actions Advisor and the Radiation Protection/EOF Habitability Technician in the EOF in accumulating radiological data and dose assessment data.

2. Formulate offsite protective actions as appropriate and provide recommendations to the Recovery Manager.

3. Dispatch and direct offsite radiological monitoring personnel through the Dose Assessment/Protective Actions Advisor or the Chemistry Advisor in order to evaluate radioactive releases.

4. Advise the Radiation Protection Coordinator in the TSC upon request.

5. Provide information to responding representatives from offsite emergency response agencies regarding possible offsite radiological consequences.

6. Interpret the offsite radiological data obtained and update the EOF staff and offsite authorities with the results, in terms of both real-time measurements and, to the extent possible, projected radiological exposures.

CHEMISTRY ADVISOR

A. LOCATION: Emergency Operations Facility

B. FUNCTIONS AND RESPONSIBILITIES:

1. Support accident assessment efforts by analyzing plant radiochemistry and chemistry data.

2. Keeps the Recovery Manager informed of the analytical results from chemistry and radiochemistry analyses and provides interpretation with respect to the implication of data to plant status.

OPERATIONS ADVISOR

A. LOCATION: Emergency Operations Facility

B. FUNCTIONS AND RESPONSIBILITIES:

1. Assist in coordinating the emergency response organization objectives requiring implementation by Operations personnel.

2. Analyze plant and emergency parameters using the Emergency Response Information System (ERIS).

3. Ensure that ERIS data is distributed within the EOF and pertinent information is posted on the status boards.

TECHNICAL ADVISOR

A. LOCATION: Emergency Operations Facility

B. FUNCTIONS AND RESPONSIBILITIES:

1. Analyze core parameters to determine current conditions in the core.

2. Review proposed plant operations with respect to the effect on core conditions.

3. Coordinate with the Core Technical/Core Physics Coordinator (in the TSC) in the development of recommendations for plant operations that would affect core conditions.

OFFSITE RADIOLOGICAL MONITORING TEAMS

A. LOCATION: Emergency Operations Facility (Off-site)

B. FUNCTIONS AND RESPONSIBILITIES:

1. Monitors gaseous releases by taking radiation readings and air samples in or near plume pathway.

2. Retrieves and replaces permanently placed TLD's when directed.

3. Places additional TLD's in designated locations as deemed necessary by the Radiation Protection Advisor.

4. Retrieves air, soil, and water samples for laboratory analysis.

5. Supports radiological assessment procedures as designated by the Radiation Protection Advisor.

STATION SECURITY SUPERVISOR

A. LOCATION: Primary Access Point

B. FUNCTIONS AND RESPONSIBILITIES:

1. Directs the normal station personnel in maintaining the station security system in support of the emergency response and recovery operations.

2. Coordinates onsite personnel accountability with the Emergency Director during emergency situations.

3. Coordinates personnel evacuation with the Emergency Director and restricts access to secured areas.

4. Maintains contact with the Security Coordinator to

GSU PUBLIC SPOKESPERSON

A. LOCATION: Joint Information Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Conduct press conferences for the news media at the Joint Information Center.

2. Make press releases for publication concerning emergency conditions and status.

3. Authorized to make public statements concerning the emergency situation.

JOINT INFORMATION CENTER DIRECTOR

A. LOCATION: Joint Information Center

B. FUNCTIONS AND RESPONSIBILITIES:

1. Coordinates information at the Joint Information Center adjacent to the EOF with local, State, and Federal counterparts and with representatives from other agencies involved with the emergency, and provides a means for meeting the media's needs.

2. Acts as an alternate to the official RBS spokesperson for the emergency, with the responsibility for arranging interviews, statements quoted in press releases or other announcements, and for presiding at formal press conferences.

PARISH LIAISON OFFICERS

A. LOCATION: Parish Emergency Operating Centers

B. FUNCTIONS AND RESPONSIBILITIES:

1. Proceed to assigned Parish EOC and act as GSU representative to assist in the interpretation and evaluation of information received from the EOF.

2. Provide feedback to the EOF concerning Parish actions taken based on the emergency situation.

APPENDIX B

LETTERS OF AGREEMENT

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Verification Signature on file

Name Jan Creoghan

Date 12-7-84

Verification Copy is identical to original

Name William J. Guste, Jr., Administrator

Date 12/3/84

MEMORANDUM OF UNDERSTANDING BETWEEN GULF STATES UTILITIES COMPANY, LOUISIANA POWER & LIGHT COMPANY, MISSISSIPPI POWER & LIGHT COMPANY, AND THE STATE OF LOUISIANA:

TO PROVIDE FOR THE IMPLEMENTATION OF PROTECTIVE ACTIONS ON BEHALF OF THE GENERAL PUBLIC IN THE EVENT OF A RADIOLOGICAL EMERGENCY AT A FIXED NUCLEAR FACILITY

I. Purpose:

The purpose of this Memorandum of Understanding is to establish conditions for coordinating the emergency planning efforts between Gulf States Utilities Company (GSU), Louisiana Power & Light Company (LP&L), Mississippi Power & Light Company (MP&L) and the State of Louisiana, including the establishment of conditions of notification regarding a Radiological Emergency or occurrences and conditions potentially leading to a Radiological Emergency which may require the implementation of Protective Actions.

Proper and timely flow of information throughout the duration of any such Radiological Emergency is essential in order for the State to discharge its obligation to maintain public safety and well-being by implementing its response plan, designated as the Louisiana Peacetime Radiological Response Plan, hereafter referred to as the Plan, and its site-specific Attachments. The Plan is broad, flexible, and designed to maintain public confidence and to control exposure by any route to the population as a result of a release of radioactivity above prescribed limits from a Fixed Nuclear Facility exclusion area.

II. Authority:

The Governor, as the chief executive officer of the State of Louisiana, is responsible for the overall safety and well-being of all citizens within the State.

The Louisiana Environmental Affairs Act (La. R.S. 30:1051 et seq.) authorizes the Office of Environmental Affairs to coordinate the development of specific emergency plans for nuclear power facilities; to respond to any emergency which involves possible or actual release of radioactive material; to coordinate decontamination efforts; to issue relocation and evacuation recommendations; and to otherwise protect the public welfare and safety in any manner deemed necessary and appropriate.

The Louisiana Disaster Act of 1974 (La. R.S. 29:701 et seq.), relative to man-made and natural disasters, authorizes the Office of Emergency Preparedness [La. R.S. 36:408(F)] to provide a disaster management system embodying all aspects of pre-disaster preparedness and post-disaster response, as well as authority to coordinate disaster prevention and recovery.

III. Definitions:

A. Exclusion Area:

An area surrounding the reactor, in which the reactor licensee has the authority to determine all activities including exclusion or removal of personnel and property from the area. This area may be traversed by a highway, railroad, or waterway, provided these are not so close to the facility as to interfere with normal operations of the facility and provided appropriate and effective arrangements are made to control traffic on the highway, railroad, or waterway, in case of emergency, to protect the public health and safety. Residence within the exclusion area shall normally be prohibited. In any event, residents shall be subject to ready removal in case of necessity. Activities unrelated to operation of the reactor may be permitted in an exclusion area under appropriate limitations, provided that no significant hazards to the public health and safety will result.

B. Louisiana Peacetime Radiological Response Plan:

State of Louisiana emergency response plan for fixed nuclear facilities in the State and near its borders, as it now exists or may be hereafter revised. The Plan has a separate Attachment for each fixed nuclear facility in or near the State for which planning is necessary. The Plan is also incorporated as Annex J, Appendix 7 to the Louisiana Preparedness Plan for Emergency Operations.

C. Protective Actions:

those emergency measures taken prior to, during, and after an inadvertent release of radioactive material has occurred for the purpose of preventing or minimizing radiological exposures likely to occur to persons if the actions were not taken.

D. Protective Action Guide:

a projected dose to population groups or individuals in the population which warrants taking pre-planned protective action.

E. Radiological Emergency:

For the purposes of this Memorandum of Understanding, a Radiological Emergency is any condition existing within or outside a Fixed Nuclear Facility, owned or licensed by a federal agency, which is endangering or which could reasonably be expected to endanger the health and safety of the public or to contaminate the environment.

F. State:

the State of Louisiana

G. Utility:

Gulf States Utilities Company, or Louisiana Power & Light Company, or Mississippi Power & Light Company.

H. Fixed Nuclear Facility:

a commercial nuclear power generating plant, hereinafter referred to as the facility.

I. Utility Emergency Plan:

The emergency plan for each facility developed by the Utility to meet the U. S. Nuclear Regulatory Commission's requirements for emergency planning.

IV. Agreement:

The following terms shall be binding upon the State and Utility:

A. The State and each Utility shall cooperate at all times in planning for emergencies at the facility, including the development, udpate, distribution, implementation, review, evaluation, modification and coordination of the emergency plans and implementing procedures.

B. In furtherance of emergency planning efforts, the State and each Utility shall endeavor to cooperate to assure the following:

1. That emergency responsibilities of the principle response organizations are specifically established;

2. That principle response organizations and supporting organizations are adequately staffed and arrangements are made for requesting and effectively using assistance resources;

3. That emergency planners and those who may be called on to assist in an emergency are properly trained;

4. That provisions exist for assuring prompt communications among the Utility, principle response organizations, emergency personnel and the public;

5. That adequate emergency facilities and equipment to support the emergency responses are provided and maintained;

6. That adequate methods, systems, and equipment for assessing and monitoring actual or potential offsite consequences of a Radiological Emergency exist;

7. That means for controlling radiological exposures are established for emergency workers; and

8. That arrangements are made for medical services for contaminated or injured individuals.

The State and each Utility shall participate in an initial training program and, thereafter, a periodic training program. The scheduling and location of the annual training program shall be at a time and place agreeable to both parties.

C. The State and each Utility shall participate in an emergency preparedness exercise in accordance with existing guidelines and in such other exercises and drills which are mutually agreed upon. The emergency preparedness exercise will test the adequacy of implementing procedures and methods; emergency equipment and communications networks; the public notification system; and ensure that emergency organization personnel are familiar with their duties. The State and each Utility shall cooperate to correct any deficiencies identified as a result of exercises and drills. The scheduling of the annual emergency planning exercise shall be at a time and place agreeable to both parties.

D. The State and each Utility shall review emergency plans on at least an annual basis and submit a report of findings within 30 days thereafter to the Assistant Secretary of the Office of Environmental Affairs and to the appropriate senior Utility management official.

E. The State recognizes the obligation of Utility personnel to do all that is possible to bring a Radiological Emergency under control. A Utility will not restrict the State's access when necessary for the purpose of obtaining information essential for offsite response management. If necessary, each Utility agrees to provide, to the maximum extent possible, escorts for State personnel responding to an emergency requiring physical access to a security or radiation area.

F. Each Utility shall furnish the State and its supporting agencies copies of its Utility Emergency Plan and Implementing Procedures and amendments thereto as they are issued. The State shall furnish each Utility with copies of the Louisiana Peacetime Radiological Response Plan and Amendments thereto as they are issued.

G. It is each Utility's duty and obligation to notify the State in accordance with its notification procedures utilizing a standard emergency classification and action level scheme as established by the Plan and as implemented in the Utility Emergency Plan.

H. As set forth in the Utility Emergency Plan, in the event of a Radiological Emergency, each Utility shall recommend Protective Actions to the Assistant Secretary, Office of Environmental Affairs, for exposure pathways for the public and emergency workers in accordance with the range of Protective Actions developed in the Plan and shall make Protective Action recommendations to local response organizations in the absence of immediate state directives.

I. The State and each Utility endorse the Protective Action Guides and Protective Actions developed and provided by the United States Environmental Protection Agency in the "Manual of Protective Action Guides and Protective Actions for Nuclear Incidents-EPA 520/1-75-001, September 1975, as revised.

J. Prior to operation of a facility and periodically thereafter, the State and each Utility agree to cooperate in assuring the development and distribution of information to be made available to the public within the plume exposure pathway emergency planning zone with regard to initial notification procedures and actions. To maintain public confidence and to avoid public apprehension in case of a Radiological Emergency, information shall be periodically released to the public in a timely and coordinated manner. This condition in no way abridges the right of the Utility involved or the State to release information to the public. However, each Utility and the State agree to exert their best efforts to advise and consult each other regarding any information release to the mass media prior to issuing such a release concerning a Radiological Emergency. In keeping with this delineation of authority and responsibility, each party further agrees to restrict public statements to those areas for which each party is responsible.

K. Each Utility shall be financially responsible for the disposition of radioactive waste resulting from decontamination of State personnel, facilities, equipment, and supplies resulting from a Radiological Emergency due to the operation of each Utility's respective facility. However, nothing herein shall be construed as altering or expanding the limit, extent, or scope of legal liability of the Utility or waiving any defenses as specified in the Atomic Energy Act of 1954, as amended.

The terms of this Memorandum of Understanding shall apply to River Bend Station (Gulf States Utilities Company), Waterford 3 (Louisiana Power & Light Company), and Grand Gulf Nuclear Station (Mississippi Power & Light Company).

This agreement shall be effective upon execution of the parties hereto but no sooner than the 1st day of November, 1981.

IN WITNESS WHEREOF, the parties have hereunto executed this Memorandum of Understanding on the dates specified below.

Secretary — Date 9/22/81
Louisiana Department of Natural Resources

Secretary — Date 9/22/81
Louisiana Department of Public Safety

Assistant Secretary — Date 9/22/81
Office of Environmental Affairs
Louisiana Department of Natural Resources

Assistant Secretary — Date 9/22/81
Office of Emergency Preparedness
Louisiana Department of Public Safety

Senior Vice President — Date 10/1/81
River Bend Nuclear Group
Gulf States Utilities Company

Assistant Vice President — Date 10/22/81
Nuclear Operations
Louisiana Power & Light Company

Senior Vice President — Date 10/19/81
Nuclear
Mississippi Power & Light Company

Verification OK
Name [illegible]
Date 11/5/84

ST. FRANCISVILLE VOLUNTEER FIRE DEPARTMENT

P. O. DRAWER A
ST. FRANCISVILLE, LOUISIANA 70775

JAMES M. ROBINSON
CHIEF

PHONES
TO REPORT A FIRE 635-3878
FIRE STATION 635-3620
CHIEF'S RESIDENCE 635-3422

October 30, 1981

Mr. John G. Cadwallader
Supervisor-Emergency Planning
River Bend Nuclear Group
Gulf States Utilities Company
P. O. Box 2431
Baton Rouge, LA 70821

Dear Mr. Cadwallader:

The St. Francisville Volunteer Fire Department will provide the following assistance according to our established procedures upon being notified of an emergency situation at River Bend Station.

1. Assist in fighting fires by providing available men and equipment.

2. Assist in obtaining additional manpower or equipment, if needed, from the State.

3. Once on site, we will provide assistance and protective action as directed by the RBS Emergency Coordinator.

Yours truly,

James M. Robinson
Chief

Verification O.K.
Name Perm L Schilling
Date Dec 5, 1984

SAINT FRANCISVILLE POLICE DEPARTMENT

PERVIS L. SCHILLING, CHIEF
POST OFFICE BOX 1021
St. FRANCISVILLE, LA 70775
504/635-4177

OCTOBER 29, 1981

Mr. John G. Cadwallader
Supervisor-Emergency Planning
River Bend Nuclear Group
Gulf States Utilities Company
P. O. Box 2431
Baton Rouge, La. 70821

Dear Mr. Cadwallader:

I am writing you in concern the West Feliciana River Bend Nuclear Plant.

The St. Francisville Police Department is prepared to support the West Feliciana River Bend Nuclear Plant by assistance in traffic control, coordinate additional emergency acitons, provide back-up, coordinate the evacuation of people within the city, and by cooperation in any way that may help them.

It is felt that we understand the provisions of the West Feliciana River Bend Nuclear Plant and stand ready to provide Police support, and rescue services in the event of an emergency.

If this Office can be of any service to you please call 504/635-4177 or write to Post Office Box 1021, St. Francisville, Louisiana 70775.

Sincerely yours,

Pervis L Schilling

PERVIS L. SCHILLING
CHIEF OF POLICE
ST. FRANCISVILLE
POLICE DEPARTMENT

W. M. "BILL" DANIEL
SHERIFF AND TAX COLLECTOR
WEST FELICIANA PARISH
P. O. DRAWER 1844
ST. FRANCISVILLE, LOUISIANA 70775

TELEPHONE
(504) 635-3241

BATON ROUGE
343-8337

December 5, 1984

Mr. John G. Cadwallader
Supervisor-Emergency Planning
River Bend Nuclear Group
Gulf States Utilities Company
P. O. Box 2431
Baton Rouge, Louisiana 70821

Dear Mr. Cadwallader:

This letter is to advise you that West Feliciana Parish Sheriff's Office, upon being notified, will assist whenever there is an emergency situation at River Bend Station.

Our office does operate on a 24 hour call basis. Therefore, in case of an emergency, please advise our office immediately and we will provide you with the following assistance:

1. Provide protective action to the public as directed by the West Feliciana Civil Defense upon recommendations by the Louisiana Nuclear Energy Division, Louisiana Office of Emergency Preparedness, or their designated representatives. This may require evacuation of residents in the affected area.

2. Assist in notifying residents within the affected area.

3. Assistance in traffic control

4. Coordinate the evacuation of people within the parish as necessary.

5. Provide back-up communications if necessary.

6. Coordinate additional emergency actions as necessary.

Yours truly,

W. M. Daniel

W. M. Daniel
Sheriff West Feliciana Parish

Verification _____
Name Kenneth A. Raney
Date P. 11-30-84

GULF STATES UTILITIES COMPANY

RIVER BEND STATION POST OFFICE BOX 220 ST FRANCISVILLE LOUISIANA 70775
AREA CODE 504 635 3237 387 4257

May 27, 1982

RBG - 12711

Mr. Robert Flatley, Administrator
West Feliciana Parish Hospital
P. O. Box 368
St. Francisville, LA 70775

Dear Mr. Flatley:

File Code G9.20.6.13
"Letters of Agreement"
River Bend Station - Emergency Plan

This letter will serve to confirm the agreement between the West Feliciana Parish Hospital and Gulf States Utilities Company concerning medical treatment of personnel from River Bend Station.

The West Feliciana Parish Hospital herewith agrees to provide assistance to Gulf States Utilities Company in the following areas:

1. Services and Facilities

The West Feliciana Parish Hospital will accept and treat injured or ill personnel from River Bend Station whether or not they are radioactively contaminated or have been exposed to radiation. Station personnel will administer first aid and accomplish decontamination to a maximum extent prior to transport, depending on the nature and the severity of the accident. As a minimum, the West Feliciana Parish Hospital shall maintain the capability and facilities to provide decontamination, first aid, and emergency stabilization medical treatment to injured or ill personnel from River Bend Station. These services and facilities will be available 24 hours per day. Patients may be transferred from the West Feliciana Parish Hospital to another hospital should the treatment required as a result of the injury extend beyond the capabilities of the West Feliciana Parish Hospital.

The West Feliciana Parish Hospital will, with Gulf States Utilities Company's assistance, develop a medical emergency plan and the procedures to be followed by hospital personnel in admitting injured or ill personnel from River Bend Station.

ATTACHMENT I

West Feliciana Parish Hospital Emergency Kit

Set of hospital emergency procedures
Pocket dosimeters
Dosimeter charger
Coveralls
Cloth shoe covers
Rubber shoe covers
Cloth gloves
Surgeon's gloves
Hoods
Paper towels
Full facepiece respirators
Respirator filters
Survey instrument
Monitoring instrument
Smears
Plastic sheeting
Plastic bags
Masking tape
Paper towels
Cotton swabs
Q-tips
Scrub brush
50 liter plastic bottles
Decontamination chemicals
- Radiacwash
- Titanium dioxide
- Potassium permanganate
- Sodium bisulfite

Plastic beakers
Vials for collecting excised tissue
Labels for bottles and vials
Radiation signs, tapes, stickers, rope, etc.
Step-off pads
Note pads
Pencils
Tygon tubing - 1/2" - as necessary
Drum for waste
Potassium iodide tablets
Decontamination tables
5-gallon polyethylene bottles

MUTUAL ASSISTANCE PLAN

Arkansas Power & Light Company

Gulf States Utilities Company

Louisiana Power & Light Company

Mississippi Power & Light Company

Middle South Services, Inc.

July, 1982

Nuclear Power Plant
Emergency Response Voluntary Assistance Agreement

This Nuclear Power Plant Emergency Response Voluntary Assistance Agreement (hereinafter "Agreement") has been entered into by and among electric utilities which have responsibility for the construction or operation of commercial nuclear power plants under a license issued by the U.S. Nuclear Regulatory Commission pursuant to Title 10 of the Code of Federal Regulations (hereinafter "nuclear power plants") and which have subscribed counterpart signature pages in the form attached hereto (hereinafter "Parties").

The Parties wish to set forth herein their understanding and agreement with respect to their mutual undertaking to each other in the situation wherein an emergency occurs at a nuclear power plant under the control of or operated on behalf of a Party and a request for assistance is issued to another Party hereto in respect to such emergency and such assistance is provided. This Agreement is intended only to define the terms and conditions under which such assistance, if volunteered, will be rendered and received. It is understood that this Agreement does not impose any obligation on any Party to render or continue to render any such assistance but this Agreement does record the understanding of the Parties with

respect to the rights and obligations which will be incurred in responding to requests for assistance.

NOW, THEREFORE, it is agreed, that:

1. Assistance rendered by a Party as described hereunder shall be entirely voluntary and, when given in response to a request by any Party for help following an emergency arising at a nuclear power plant, shall be rendered in accordance with the terms and conditions herein.

2. The Party that requests assistance shall be known as the "Requesting Company" and the Party furnishing assistance shall be known as the "Responding Company." Attachment A is a suggested letter confirming an agreement whereby assistance will be furnished pursuant to this Agreement.

3. (a) Requesting Company shall notify Responding Company of the type of assistance requested and the anticipated duration during which such assistance is desired. Responding Company shall furnish such assistance as it may decide. Except as such companies may agree otherwise, Requesting Company shall be responsible for determining the procedures to be followed relative to the furnishing of such assistance, directing the work and making any reports to governmental authorities and the news media regarding

the emergency or the furnishing of assistance pursuant to this Agreement. Requesting Company shall notify Responding Company when its assistance is no longer needed.

(b) The furnishing of assistance hereunder shall be deemed to have commenced when personnel of the Responding Company are assigned to other than normal duties or transportation of equipment commences pursuant to a determination by the Responding Company to provide assistance to a Requesting Company under this Agreement and shall be deemed to have terminated when the transportation of such personnel or equipment back to their working base, or home (for personnel returning at other than regular working hours), is completed.

(c) The Responding Company shall make all arrangements for the transportation of its personnel and equipment from and to their working base or home.

4. (a) Employees of Responding Company shall at all times continue to be employees of the Responding Company and shall at no time and for no purpose be deemed to be servants, agents, employees, or representatives of the Requesting Company.

(b) Wages, hours and other terms and conditions of employment applicable to personnel of the Responding

Company shall be those of the Responding Company. Work procedures, security and safety rules for such personnel shall be those of the Requesting Company.

(c) Unless otherwise agreed, all personnel of the Responding Company shall be equipped by the Responding Company with such normal working and protective equipment as shall be compatible with the circumstances under which said personnel shall function hereunder; Requesting Company shall inform Responding Company of any specific equipment which may be required in a particular situation.

5. (a) Responding Company shall furnish the requested personnel and equipment to the extent that the Responding Company may determine to do so in its sole judgment and discretion.

(b) Any information which Responding Company may provide to Requesting Company (including drawings, reports and analyses), or which Requesting Company provides to Responding Company, which either the Responding Company or the Requesting Company considers proprietary or confidential, shall be so designated. Such proprietary information shall be held in confidence and shall be used exclusively in connection with the emergency at the nuclear power plant at which the emergency has occurred (including necessary disclosures on a proprietary basis to others

in that connection) and shall not be published or otherwise disclosed to others, except as may be required by law.

(c) Responding Company shall have the right, at any time and in its sole judgment and discretion, to withdraw personnel and equipment furnished to the Requesting Company and return such personnel and equipment to its working base. Without limiting Responding Company's rights under the preceding sentence, Responding Company shall attempt to schedule any such withdrawal of its personnel or equipment to accommodate the needs of Requesting Company. Responding Company shall give written notice at least 24 hours in advance to Requesting Company of the permanent withdrawal of personnel or equipment furnished. Responding Company's withdrawal of personnel or equipment shall not affect any obligations which may have been incurred hereunder prior to such withdrawal or which may arise out of events occurring prior to such withdrawal.

6. All time sheets and work records pertaining to Responding Company personnel and equipment shall be kept by the Responding Company. The Responding Company shall furnish the Requesting Company with a detailed statement of all costs and expenses paid or incurred by the Responding Company in connection with the furnishing of assistance to

the Requesting Company, which statement shall be paid by Requesting Company within thirty (30) days after receipt.

7. The Requesting Company shall reimburse Responding Company for all direct and indirect costs and expenses, not including a profit, incurred by Responding Company in giving assistance pursuant to this Agreement, including but not limited to costs and expenses related to or resulting from compliance with governmental requirements such as Title 10 of the Code of Federal Regulations Part 20. Such costs and expenses shall be computed in accordance with Responding Company's standard rates and accounting practices including such overheads as are determined by Responding Company to be applicable to such direct and indirect costs and expenses incurred by Responding Company. Requesting Company shall have the right to audit the records of Responding Company relative to work performed pursuant to this Agreement.

8. (a) In addition, and subject to the provisions of paragraph 8(b) hereof, Requesting Company shall indemnify and hold Responding Company, its officers, directors and employees, jointly and severally, harmless from and against any and all liability or loss, damage, cost or expense which any of them may incur by reason of bodily injury, including but not limited to death, to any person or

persons, or by reason of damage to or destruction of any property, including but not limited to any property located at the site of the Requesting Company's nuclear power plant or the loss of use of any property, which results from furnishing assistance pursuant to this Agreement, whether due in whole or in part to any act, omission, or negligence of Responding Company, its officers, directors or employees.

(b) Where payments are made by Responding Company or its insurers to Responding Company's officers, directors or employees or their beneficiaries for bodily injury or death resulting from furnishing a istance pursuant to this Agreement, including but not limited to workers' compensation, disability, pension plan, medical and hospitalization, or other such payments, Requesting Company shall make reimbursement to Responding Company to the extent such payments increase the Responding Company's employee-related costs, whether such increase in costs occurs in the form of an increase in premiums or contributions, a reduction in dividends or premium refunds, or otherwise. Requesting Company shall also reimburse Responding Company for any deductible amounts or for any amounts paid by Responding Company as a self-insurer. Responding Company will request its insurer to waive any right of

subrogation it may have against Requesting Company as a result of any payment described in this paragraph 8(b) which such insurer may make on behalf of Responding Company because of Responding Company's furnishing of assistance pursuant to this Agreement.

(c) Responding Company makes no warranty with respect to any goods or services provided to Requesting Company and NO WARRANTY, EITHER EXPRESS OR IMPLIED, ORAL OR WRITTEN, SHALL APPLY TO THE GOODS OR SERVICES PROVIDED, INCLUDING, WITHOUT LIMITATION, THE WARRANTIES OF MERCHANT-ABILITY AND OF FITNESS FOR SPECIFIED OR INTENDED PURPOSE. All equipment and services furnished by Responding Company pursuant to this Agreement are furnished as is.

(d) In the event any claim or demand is made or suit, action or proceeding is filed against Responding Company, its officers, directors or employees, jointly or severally, alleging liability for which Requesting Company shall indemnify and hold harmless Responding Company, its officers, directors and employees under this paragraph 8 hereof, Responding Company shall promptly notify Requesting Company thereof, and Requesting Company, at its sole cost and expense, shall settle, compromise or defend the same in such manner as it in its sole discretion

deems necessary or prudent. Responding Company shall cooperate with Requesting Company in the resolution of any such matter.

(e) Each Party to this Agreement agrees to carry the amount of financial protection required by the Atomic Energy Act of 1954, as amended, and self-insurance or comprehensive liability insurance, including contractual liability coverage, covering the indemnification and defense obligations set forth herein, subject to such types and amounts of self-insurance, retentions or deductibles as are consistent with good business practice in the industry.

(f) In the event a Responding Company provides assistance pursuant to this Agreement through an affiliate or subsidiary, the indemnification provided in this paragraph 8 to the officers, directors and employees of that Responding Company shall apply with equal force to the officers, directors and employees of that affiliate or subsidiary.

9. Each Party shall provide the Institute of Nuclear Power Operations (hereinafter "INPO") with an executed counterpart signature page to this Agreement and to any amendments hereto. This Agreement shall become effective when counterpart signature pages executed by at least two Parties shall have been received by INPO. This Agreement shall remain in effect as to any Party until such

Party has withdrawn from the Agreement as provided below. Any electric utility with responsibilities for the construction or operation of a nuclear power plant may become a Party upon execution of the Agreement.

10. (a) INPO may provide certain administrative and emergency response support services in furtherance of this Agreement, such as maintaining and distributing to the Parties a roster of the signatories to this Agreement; providing copies of the Agreement and any amendments thereto to all Parties; and preparing and distributing to the Parties other documents, such as a list of sources of emergency manpower and equipment. INPO may provide such other services as may be requested of INPO from time to time by the Parties. The Parties recognize that INPO shall not be responsible for implementing, enforcing or interpreting this Agreement.

(b) The Parties shall defend, indemnify and hold harmless INPO, its officers, directors and employees, jointly and severally, from and against any and all liability or loss, damage, cost, or expense which results from performance of INPO's functions described in paragraph 10(a) of this Agreement, except as may result from the sole negligence or willful misconduct of INPO, its officers, directors or employees. Each Party hereby expressly waives any

right it may have to assert any claim against INPO, its officers, directors, or employees arising out of its or their performance of INPO's functions described in paragraph 10(a), except as may result from the sole negligence or willful misconduct of INPO, its officers, directors or employees.

(c) Following an emergency at a nuclear power plant, INPO may, if asked to do so by a Requesting Company, help to locate sources of emergency manpower and equipment with which the Requesting Company may contract for assistance. The Requesting Company may ask INPO to furnish personnel or equipment following an emergency arising at a nuclear power plant. If INPO does furnish such assistance and unless otherwise agreed by INPO and the Requesting Company, the Requesting Company and INPO shall have the same rights and obligations as if INPO were a Responding Company (including but not limited to the Requesting Company's obligations to INPO, its officers, directors and employees under paragraph 8 hereof), except that paragraphs 6 and 7 shall not apply either to Requesting Company or INPO and paragraph 8(e) shall not apply to INPO.

11. This Agreement will not create any rights or defenses in favor of any entity or person not a signatory to this Agreement except to the extent provided in this paragraph and in paragraphs 8 and 10 of this Agreement. This agreement shall be binding upon and inure to the benefit of each signatory to this Agreement and the subsidiaries and affiliates of each such signatory.

12. Except as otherwise provided in paragraph 13, any Party may withdraw from this Agreement upon at least thirty (30) days prior written notice to INPO with a copy to all of the other Parties. Notice of withdrawal shall not affect any obligations which may have been incurred hereunder prior to the effective date of such notice or which may arise out of events occurring prior to that date. No Party may withdraw from this Agreement while it is receiving assistance pursuant to this Agreement.

13. This Agreement may be amended by the agreement of a majority of the Parties hereto. Such amendment shall be effective and binding upon all Parties thirty (30) days after INPO has received counterpart signature pages for the amendment executed by at least a majority of the Parties to the Agreement. INPO shall notify all Parties when at least a majority of the Parties have executed an amendment to the Agreement. No amendment shall affect any obligation

which may have been incurred hereunder prior to the effective date of such amendment or which may arise out of events occurring prior to that date. Notwithstanding the first sentence of paragraph 12, any Party may withdraw from this Agreement by submitting written notice to INPO at any time during the thirty (30) day period prior to the effective date of such amendment with a copy to all of the other Parties.

14. If any provision of this Agreement is determined to be invalid or unenforceable as to any Party or otherwise, such determination shall not affect the validity or enforceability of the other provisions of this Agreement as to that Party or otherwise.

15. In the event (i) an emergency occurs at a nuclear power plant under the control of or operated on behalf of a Party; (ii) a request for assistance is issued to another Party hereto in respect to such emergency; and (iii) such assistance is provided, this Agreement shall be construed in accordance with the law of the State in which the nuclear power plant is located with respect to all rights and obligations arising out of such emergency.

SEP 10 RECD

COUNTERPART SIGNATURE PAGE

The undersigned company hereby agrees to become a Party to the Nuclear Power Plant Emergency Response Voluntary Assistance Agreement dated July 1, 1982.

Date September 2, 1982 Company Gulf States Utilities

By _____
Corporate Officer Signature
VICE PRESIDENT
NUCLEAR OPERATIONS
RIVER BEND NUCLEAR GROUP

GENERAL ELECTRIC

NUCLEAR ENERGY

BUSINESS OPERATIONS

GENERAL ELECTRIC COMPANY, 175 CURTNER AVE., SAN JOSE, CALIFORNIA 95125

RECEIVED

APR 12 1982

RIVER BEND—
EMERGENCY PLANNING

April 5, 1982

John G. Cadwallader
Supervisor Emergency Planning
Gulf States Utilities
River Bend Nuclear Group
P. O. Box 2431
Baton Rouge, LA 70821

Subject: General Electric BWR Emergency Support Program

Dear Mr. Cadwallader:

Confirming our telecon today, enclosed please find a copy of Service Information Letter (SIL) 324 which describes the subject program. This program is designed for operating BWR plants and is widely used. During the startup period of River Bend initial operations, any support provided would be under the terms and conditions of the Nuclear Steam Supply System Contract. Your normal contact with the GE Project Manager, Mr. H. D. Powell, should be employed.

Should you have any questions or comments in this matter, please contact us.

Very truly yours,

D. W. Diefenderfer
Customer Service Manager
Southern Region

DWD:taa

Enclosure

cc: W. R. Brock
A. L. Harrison
P. F. MacDonald
H. D. Powell

This Document to serve as interim Agreement pending formal Contract Agreement. Contact should be through GE Project Manager, H. D. Powell, Telephone; Work (408) 925-3637, Home (408) 354-8508 or alternate designation made by H. D. Powell for specific time periods.

H. D. Powell, Manager
River Bend Project

December 11, 1984
File: 1.1.3

BWR services | INFORMATION LETTER

NUCLEAR ENERGY PROJECTS DIVISION • SAN JOSE CALIFORNIA 95125

April 14, 1980
File Tab A

SIL No. 324
Category 1

BWR EMERGENCY SUPPORT PROGRAM

For some time, General Electric (GE) has had in place a support program, which utilized the full resources of the Nuclear Energy Group in San Jose and the Installation and Services Engineering personnel in the local districts, to support utilities during emergency situations. This program has provided assistance for BWRs during major component failures and plant transients to minimize the impact of the event and assure rapid return to operation. In order to more expeditiously assist BWR owners/operators during emergency situations which could potentially endanger the health and safety of the public or plant personnel, or which under certain circumstances could have a major impact on continued plant operations, a special Emergency Support Program has been established by GE's Nuclear Services Department. The purpose of this Service Information Letter is to provide BWR owners/operators the essential details of this Emergency Support Program and to identify how emergency assistance can be expeditiously requested from GE.

N O T E

This support program is directed at emergency situations and is not intended to replace normal services requests/communications through the local GE service representatives or Nuclear Serivces Managers.

EMERGENCY SUPPORT PROGRAM

I. 24-HOUR DEDICATED COMMUNICATIONS COVERAGE

General Electric has established 24-hour dedicated communications coverage to be used to request emergency assistance. The telephone number to be used for the initial contact is:

Area Code 408 - 925-3207

During normal working hours this number will be connected to the office of the Manager of BWR Product Service. During non-working hours, this number will be monitored by an answering service which will contact a designated GE manager. Upon reaching the answering service, the BWR owner/operator should leave a number, name and BWR site name for immediate call back.

II. SITUATION ASSESSMENT

The Manager, BWR Product Service, or designated GE Manager will make an assessment of the emergency situation during the initial contact discussion with the BWR owner/operator and determine the scope of the assistance being requested by tha utility.

NO WARRANTY OR REPRESENTATION EXPRESSED OR IMPLIED IS MADE WITH RESPECT TO THE ACCURACY COMPLETENESS OR USEFULNESS OF THIS INFORMATION GENERAL ELECTRIC COMPANY ASSUMES NO RESPONSIBILITY FOR LIABILITY OR DAMAGE WHICH MAY RESULT FROM THE USE OF THIS INFORMATION

III. SUPPORT

Upon activation of the Emergency Support Program GE will:

1. Form and dispatch to the affected site (if requested) an Emergency Response Team composed of appropriate technical disciplines. The program is set up to accomplish team arrival on the affected BWR site within 24 hours of the request. The team will be equipped with film badges, mobile telephone and a portable telecopy machine.

2. Form a Technical Support Team in San Jose composed of appropriate technical disciplines and establish dedicated telephone communications with the affected BWR site, the GE Operations Site Engineer and/or local General Electric service representative, and the Emergency Response Team.

3. Contact the BWR Operations Engineer and/or the local General Electric service representative and direct him to proceed immediately to the BWR site to establish communications and data collection as necessary until the arrival of the Emergency Response Team or as the Technical Support Team directs.

4. Continue to provide assistance to the utility in recovery from the emergency to insure timely return to service.

IV. ARRANGEMENTS

GE will maintain the Emergency Support Program in a standby mode at no cost to the BWR owner/operator. Once the Emergency Support Program is activated, however, services provided will be governed by the terms and conditions of the nuclear services contract in place between the BWR owner/operator and GE, or if such contract is unsigned, as currently proposed by GE to the BWR owner/operator. To facilitate initiation of the program prior written agreement with this approach will be needed.

RECOMMENDATIONS

To accomplish a rapid initiation of emergency support and to insure a coordinated effort at combating and recovering from emergency conditions it is recommended that the following be done by the BWR owner/operator:

1. Incorporate the GE 24-hour dedicated communications number into site emergency procedures.

2. Provide site administrative support for the Emergency Response Team when such a team is activated. This should include communication facilities, health physics control and document access.

3. Provide General Electric with emergency situation instructions governing site admission and specifying conduct for the BWR Operations Site Engineer, the local General Electric service representative, and the Emergency Response Team.

4. Provide a written agreement to GE that Emergency Support services may be desired and that such services, when activated, will be governed by the terms and conditions of the nuclear services contract in place between the BWR owner/operator and GE, or if such contract is unsigned, as currently proposed by GE to the BWR owner/operator.

For additional information contact your local General Electric service representative.

Prepared by: D.L. Layton/R.E. Bates

Approved by: D.K. Willett
D.K. Willett, Manager
BWR Product Service

Issued by: D.L. Allred
D.L. Allred, Manager
Utility Support Services

Product Reference:
A71 - Plant Recommendations

STONE & WEBSTER ENGINEERING CORPORATION

CHERRY HILL OPERATIONS CENTER
3 EXECUTIVE CAMPUS, P.O. BOX 5200
CHERRY HILL, NEW JERSEY 08034

TWX 710-892-0147
710-892-0148

BOSTON
NEW YORK
CHERRY HILL, N.J.
DENVER
HOUSTON
PORTLAND, OREGON
RICHLAND, WA
WASHINGTON, D.C.

DESIGN
CONSTRUCTION
REPORTS
EXAMINATIONS
CONSULTING
ENGINEERING

Mr. W. J. Cahill, Jr.
Sr. Vice President - RBNG
River Bend Project
Gulf States Utilities Company
P.O. Box 2951
Beaumont, TX 77704

December 13, 1984
J.O.No. 12210
RBS-9918
Response Not Required

Attention: Mr. J. E. Booker
Manager, Engineering, Nuclear Fuels, & Licensing

FILE NO. G9.20.6
"EMERGENCY PLANS"
(ENGINEERING SERVICES -
SWEC RADIOLOGICAL EMERGENCY
RESPONSE PROGRAM)
RIVER BEND STATION - UNIT 1

This letter confirms that appropriate agreements and arrangements have been made with GSU concerning the SWEC Emergency Response Program. The SWEC Emergency Response Program provides for prompt supportive action in the event of an accident at the River Bend Nuclear Power Station.

The SWEC Emergency Response Program is designed to expedite the assembly and utilization of SWEC personnel and resources as quickly and efficiently as possible following a GSU request. Support could include, but not be limited to, manning for the Technical Support Center, Emergency Operations Facility, and GSU offices. It is anticipated that the SWEC response would be coordinated with GSU's emergency response through the River Bend Emergency Response Plan.

Enclosed is an outline describing the SWEC Emergency Response Plan (Enclosure 1) and a SWEC Emergency Response Skills List (Enclosure 2).

We trust the above is satisfactory to your needs.

W. C. Drotleff

Enclosures

SLB:BP

Nuclear Document Control

DEC 18 1984

DEC 26 1984

RBS-9918

SWEC EMERGENCY RESPONSE PLAN

I. 24-Hour Dedicated Communications Coverage

SWEC has established 24-hour communication coverage to be used to request activation of the SWEC Emergency Response plan. The telephone number to be used for the initial contact is:

Area Code 617- 589-0911
or Telex number 95-1492

To activate the Emergency Response plan, the River Bend Nuclear Power Station's Emergency Director or designee would contact one of the above numbers and request assistance. The assigned duty officer will then relay the request for assistance to the SWEC Gulf States Utilities (GSU) Project Manager, or in his absence the SWEC GSU Project Engineer, by calling their respective office or home phone numbers as listed in the SWEC Emergency Response Procedures.

II. The Project Manager will be the direct contact between the River Bend Station (RBS) and SWEC. He will manage all requests for engineering, planning, construction, and quality assurance services from the RBS.

III. Upon activation of the Emergency Response plan, Stone & Webster will:

1. Assemble and dispatch to the facility, or area designated by GSU, an Emergency Response Team composed of appropriate technical disciplines. This team is responsible for obtaining a first-hand assessment of the situation and the services to be provided by SWEC.

2. Assemble the Headquarters Support Team

   The Headquarters Support Team operates in the SWEC Emergency Response Center located at the Boston office as described in the SWEC Emergency Response plan. The Center provides a convenient dedicated location for rapidly assembling technical support personnel on short notice. The Center is provided with commercial communication telephone lines to the plant site.

3. Actuate the Emergency Response Center

   The Logistics Manager, a member of the Headquarters Support Team is responsible for activating the Emergency Response Center and to assure all equipment are operational, as well as to coordinate any required support services, day or night, seven days per week.

Nuclear Document Control

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III. (continued)

4. Notify the SWEC Public Information Manager

   All SWEC news releases related to the emergency are coordinated with the Utility Emergency News Center Director. Request for information from SWEC will be directed to the SWEC Public Information Manager, the Senior Vice President and Manager, Worldwide Business Development Department. He is responsible for establishing and maintaining liaison with the Utility Emergency News Center Director.

5. Continue to provide assistance to Gulf States Utilities following recovery to ensure a timely return of the Station service.

IV. To enable rapid activation and implementation of the SWEC Emergency Response Plan for combatting and recovering from emergency conditions, it is recommended that the following actions be taken by the GSU:

1. Incorporate the SWEC emergency phone number and Telex number into the appropriate RBS Emergency Notification Procedures.

2. Provide site administrative support for the Emergency Response Team when such a team is activated. This should include communications facilities, health physics control, and security badging.

RBS-9918

ENCLOSURE 2

SWEC EMERGENCY RESPONSE SERVICES

Service	Department	Division	Group
I Radiological and Waste Management Support			
Health Physics Engineering	Engineering	Nuclear Technology	Radiological Engineering
Hydrological Analyst	Engineering	Environmental Eng.	Hydrological Analysis
Meteorological Analyst	Engineering	Environmental Eng.	Air Quality and Meteorology
Post Accident Sampling	Engineering	Nuclear Technology	Nuclear Fuels and Waste Management
Rad Waste Consultant	Engineering	Nuclear Technology	Nuclear Fuels and Waste Management
II Operations Support			
Operations Engineering - Reactor Operators incl. Senior and Auxiliary, Operations Consulting, Operations Technicians. Maintenance Supervision Maintenance Consulting	Plant Services	Engineering Services	Plant Management Services, Nuclear Projects
III Technical Support			
Fluid Flow and System Design	Engineering	Engineering Mechanics Power	Pipe Stress Analysis and Supports Heat Balance Analysis Group
Metallurgy - Pipe and Structure	Engineering	Structural Materials Engineering	Materials Technology
Transient Analysis	Engineering	Engineering Mechanics Hydraulic	Pipe Stress Analysis and Supports
Seismic Analysis	Engineering	Geotechnical	Geology and Seismicity
Nondestructive Testing	Quality Assurance Engineering	Nondestructive Testing Materials Engineering	NDE Engineering Materials Technology
Seismic Equipment Analysis	Engineering	Engineering Mechanics	Mechanical
Welding	Engineering	Materials Engineering	Weld Technology

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SWEC EMERGENCY RESPONSE SERVICES

Service	Department	Division	Group
Nuclear Fuel	Engineering	Nuclear Technology	Nuclear Fuels and Waste Management
Shielding Design	Engineering	Nuclear Technology Engineering Mechanics	Radiological Engineering Mechanical
Structural Design and evaluation	Engineering	Structural	Analysis
Materials Evaluation/ Failure Analysis	Engineering	Materials Engineering Structural	Materials Technology Specialist
Corrosion Abatement Analysis	Engineering	Materials Engineering	Materials Technology
Fracture Mechanics Analysis	Engineering	Materials Engineering	Materials Technology
Protective Coatings	Engineering	Materials Engineering	Materials Technology
Pump Design	Engineering	Hydraulic Power	Equipment Specialists Equipment Specialists - Pumps
ECCS Performance	Engineering	Nuclear Technology	Safety Engineering and Analysis
Containment Performance	Engineering	Structural	Analysis
Facilities Design (HVAC, Fire Protection)	Engineering	Power	Facilities
Stress Analysis	Engineering	Engineering Mechanics	Pipe Stress Analysis and Supports
Off-Gas Processing	Engineering	Nuclear Technology	Nuclear Fuels and Waste Management
Vibration Analysis	Engineering	Vibration Laboratory Engineering Mechanics	Mechanical
Nuclear Instrumentation	Engineering	Control Systems Advisory Operations	Instrument Applications and Special Projects Instrument and Controls
Radiation Monitoring	Engineering	Nuclear Technology	Radiological Engineering
Licensing	Engineering	Licensing	Project Licensing, Safety Engineering
Mechanical Equipment Design	Engineering	Power	Equipment Specialists

SWEC EMERGENCY RESPONSE SERVICES

	Service	Department	Division	Group
	Nuclear System Design	Engineering	Nuclear Technology	Safety Engineering and Analysis
	Fluid System Design	Engineering	Power	Systems Engineering
	Electrical Engineering	Engineering	Electrical Advisory Operations	Electrical Design Electrical
	Support Systems Startup and Testing	Engineering	Advisory Operations	
	Radwaste	Engineering	Nuclear Technology	Nuclear Fuels and Waste Management
	Solidification	Engineering	Nuclear Technology	Nuclear Fuels and Waste Management
	Decontamination Consulting	Engineering	Nuclear Technology	Nuclear Fuels and Waste Management
IV	Crafts and Construction Supervision			
	Welding	Construction		
	Rigging	Construction		
	Pipe Fitting	Construction		
	Machinist/Millwright	Construction		
	Boiler Making	Construction		
	Electrical	Construction		
V	Logistic Support			
	Public Relations Media	Worldwide Business Development		Public Information
	Communications	Engineering Communications	Electrical	Special Services
	Purchasing Agent	Purchasing		
	Passenger Transportation	Purchasing		
	Traffic (Freight)	Purchasing		

SWEC EMERGENCY RESPONSE SERVICES

Service	Department	Division	Group
Document Control	Project Management	Records Management	
Site Inspection Test or Examination	Quality Assurance	Field Quality Control	
Procured Items Inspection Test or Examination	Quality Assurance	Procurement Quality Assurance	
Nondestructive Testing	Quality Assurance	Nondestructive Testing	
Calibration and Metrology	Quality Assurance	Field Quality Control	
Quality Assurance	Quality Assurance	Quality Systems	
Engineering Assurance	Engineering	Engineering Assurance	
Fire Protection	Engineering	Control Systems Power	HVAC Control Fire Protection Specialist
Emergency Planning (Sheltering, Dose Assessment)	Engineering	Nuclear Technology	Radiological Engineering
Evacuation	Engineering	Nuclear Technology Environmental Engineering	Radiological Engineering Socioeconomics and Land Planning
VI General Services			
Airborne Air Sampling	Engineering	Nuclear Technology Environmental Engineering	Radiological Engineering Air Quality and Meteorology
Underground Water Sampling	Engineering	Geotechnical Environmental Engineering	Geotechnical Engineering Water and Waste
Surface Water Sampling	Engineering	Nuclear Technology Environmental Engineering	Radiological Engineering Water and Waste
Ground and Vegetation Sampling	Engineering	Nuclear Technology	Radiological Engineering
Laboratory Testing Services	Engineering	Materials Engineering	Materials Laboratory
Economic Evaluations	Engineering	Environmental Engineering Power	Aquatic and Terrestrial Studies
Vibration Testing	Engineering	Vibration Laboratory	

West Feliciana Civil Defense Agency

P. O. Drawer A
St. Francisville, La. 70775

James M. Robinson
Director

Phone (504) 635-6428

October 27, 1981

Mr. John G. Cadwallader
Supervisor-Emergency Planning
River Bend Nuclear Group
Gulf States Utilities Company
P. O. Box 2431
Baton Rouge, LA 70821

Dear Mr. Cadwallader:

You may be assured that upon being notified of an emergency situation at River Bend Station, the West Feliciana Civil Defense Agency, acting on behalf of our Police Jury President, will render its cooperation and provide the following assistance according to our established procedures:

1. Implement the West Feliciana Parish Emergency Plan and its appropriate Emergency Plan Implementing Procedures.

2. Activate the West Feliciana Parish Emergency Operation Center (EOC).

3. Coordinate protective action to the public as recommended to us by the Louisiana Office of Emergency Preparedness, Louisiana Nuclear Energy Division, or their designated representatives.

4. Coordination of all West Feliciana Parish agencies in a response effort under the direction of the West Feliciana Parish Police Jury President.

5. Initiate protective actions based on the emergency classification.

6. Coordination for evacuation of residents within the affected area.

7. Coordination for reassembly of evacuees at designated reception centers.

8. Coordination for food, water, and medical aid to evacuees.

Yours truly,

James M. Robinson
Director

JAMES M NORSWORTHY, III
MAYOR

MRS GLORIA P FONTENOT
SECRETARY TREASURER

TOWN OF JACKSON
P O BOX 156
1610 CHARTER STREET
JACKSON, LOUISIANA 70748

BOARD OF ALDERMEN
GERALD P BLANCHARD
RICHARD C DUDLEY III
HENRY C HOWELL
WAYNE LEGGETT
JAMES C PARKER

November 3, 1981

Mr. John G. Cadwallader
Supervisor-Emergency Planning
River Bend Nuclear Group
Gulf States Utilities Company
P. O. Box 2431
Baton Rouge, LA 70821

Dear Mr. Cadwallader:

This letter is to advise you that upon notification of an emergency situation at River Bend Station, the Jackson City Police Department will provide the following assistance upon request:

1. Provide protective action to the public as directed by the East Feliciana Parish Civil Defense upon recommendations by the Louisiana Nuclear Energy Division, Louisiana Office of Emergency Preparedness, or their designated representatives. This may require evacuation of residents in the affected area.

2. Assist in notifying residents within the affected area.

3. Assistance in traffic control.

4. Coordinate the evacuation of people within the city as necessary.

5. Provide back-up communications if necessary.

6. Coordinate additional emergency actions as necessary.

Sincerely yours,

E. S. Barnes
Chief of Police

E S Barnes 17.4-85

CRIMINAL DEPUTIES:
Albert Moffit, Administrator
Delmas Bell
Alvin L. Dousay
Louis Durham
George Kilbourne

504/683-3133 – Clinton
504/683-3134 – Clinton
504/683-5469 – Clinton
504/344-2385 – Baton Rouge

ARCH V. DOUGHTY
SHERIFF AND TAX COLLECTOR
Parish of East Feliciana • P. O. Box 207
CLINTON, LOUISIANA 70722

BOOKKEEPER:
Essie S. Watson

OFFICE DEPUTIES:
Bobbie G. Ross, Civil
Linda F. McKnight, Criminal
Mary Ann Williams, Criminal

October 26, 1981

Mr. John G. Cadwallader
Supervisor-Emergency Planning
River Bend Nuclear Group
Gulf States Utilities
P. O. Box 2431
Baton Rouge, Louisiana 70821

Dear Mr. Cadwallader:

This letter is to advise you that the East Feliciana Parish Sheriff's Office, upon being notified, will assist whenever there is an emergency situation at River Bend Station.

Our office does operate on a 24-hour basis. Therefore, in case of an emergency, please advise our office immediately and we will provide you with the following assistance:

1. Assist in notifying residents within the affected area.
2. Assistance in traffic control
3. Coordinate the evacuation of people with the parish as necessary.
4. Provide back-up communications if necessary.
5. Coordinate additional emergency actions as necessary.

Yours truly,

Arch V. Doughty, Sheriff
Parish of East Feliciana

AVD: lm

12/1/81
Arch V. Doughty Sheriff

December 5, 1984

Mr. John G. Cadwallader
Supervisor-Emergency Planning
River Bend Nuclear Group
Gulf States Utilities Company
P. O. Box 2431
Baton Rouge, LA 70821

Dear Mr. Cadwallader:

You may be assured that upon being notified of an emergency situation at River Bend Station, the East Feliciana Parish Civil Defense, acting on behalf of our Police Jury President, will render its cooperation and provide the following assistance according to our established procedures:

1. Implement the East Feliciana Parish Emergency Plan and its appropriate Emergency Plan Implementing Procedures.

2. Activate the East Feliciana Parish Emergency Operation Center (EOC).

3. Coordinate protective action to the public as recommended to us by the Louisiana Office of Emergency Preparedness, Louisiana Nuclear Energy Division, or their designated representatives.

4. Coordination of all East Feliciana Parish agencies in a response effort under the direction of the East Feliciana Police Jury President.

5. Initiate protective action based on the emergency classification.

6. Coordination for evacuation of residents within the affected area.

7. Coordination for reassembly of evacuees at designated reception centers.

8. Coordination for food, water, and medical aid to evacuees.

Yours truly,

Travis W. Prewitt

Travis W. Prewitt
Civil Defense Director
East Feliciana Parish

SHERIFF'S OFFICE
PARISH OF POINTE COUPEE
NEW ROADS, LOUISIANA

Preston Chustz
SHERIFF AND TAX COLLECTOR

Phone: 638-[illegible]
638-4197
63[illegible]
492-2650

November 10, 1981

Mr. John G. Cadwallader
Supervisor-Emergency Planning
River Bend Nuclear Group
Gulf States Utilities Company
P. O. Box 2431
Baton Rouge, LA 70821

Dear Mr. Cadwallader:

This letter is to advise you that the Pointe Coupee Parish Sheriff's Office, upon being notified, will assist whenever there is an emergency situation at River Bend Station.

Our office does operate on a 24-hour man patrol basis. Therefore, in case of an emergency, please advise our office immediately and we will provide you with the following assistance:

1. Provide protective action to the public as directed by the Pointe Coupee Civil Defense upon recommendations by the Louisiana Nuclear Energy Division, Louisiana Office of Emergency Preparedness, or their designated representatives. This may require evacuation of residents in the affected area.

2. Assist in notifying residents within the affected area.

3. Assistance in traffic control.

4. Coordinate the evacuation of people within the parish as necessary.

5. Provide back-up communications if necessary.

6. Coordinate additional emergency actions as necessary.

Your truly,

Preston Chustz
Sheriff

12-4-84

Verification
Name
Date

POINTE COUPEE CIVIL DEFENSE

206 COURT STREET
P O Box 216 — New Roads, Louisiana 70760
Phone — 638-9014

ALVIN J. PORCHE
BERNARD CURRY
ASSISTANT DIRECTOR

ONEIL F. LEONARD JR.
DIRECTOR

November 10, 1981

Mr. John G. Cadwallader
Supervisor-Emergency Planning
River Bend Nuclear Group
Gulf States Utilities Company
P. O. Box 2431
Baton Rouge, LA 70821

Dear Mr. Cadwallader:

You may be assured that upon being notified of an emergency situation at River Bend Station, Pointe Coupee Civil Defense, acting on behalf of our Police Jury President, will render its cooperation and provide the following assistance according to our established procedures:

1. Implement the Pointe Coupee Parish Emergency Plan and its appropriate Emergency Plan Implementing Procedures.

2. Activate the Pointe Coupee Emergency Operation Center (EOC).

3. Coordinate protective action to the public as recommended to us by the Louisiana Office of Emergency Preparedness, Louisiana Nuclear Energy Division, or their designated representatives.

4. Coordination of all Pointe Coupee agencies in a response effort under the direction of the Pointe Coupee Police Jury President.

5. Initiate protective actions based on the emergency classification.

6. Coordination for evacuation of residents within the affected area.

7. Coordination for reassembly of evacuees at designated reception centers.

8. Coordination for food, water, and medical aid to evacuees.

Yours truly,

Oneil F. Leonard, Jr.
Pointe Coupee Civil Defense Director

Verification _____
Name Trina O. Scott
Date 11-30-81

City of New Roads
237 West Main Street
New Roads, Louisiana 70760
Phone 504/638-7047

November 10, 1981

Mr. John G. Cadwallader
Supervisor-Emergency Planning
River Bend Nuclear Group
Gulf States Utilities Company
P. O. Box 2431
Baton Rouge, LA 70821

Dear Mr. Cadwallader:

This letter is to advise you that upon notification of an emergency situation at River Bend Station, the New Roads Police Department will provide the following assistance upon request:

1. Provide protective action to the public as directed by the Pointe Coupee Civil Defense upon recommendations by the Louisiana Nuclear Energy Division, Louisiana Office of Emergency Preparedness, or their designated representatives. This may require evacuation of residents in the affected area.

2. Assist in notifying residents within the affected area.

3. Assistance in traffic control.

4. Coordinate the evacuation of people within the city as necessary.

5. Provide back-up communications if necessary.

6. Coordinate additional emergency actions as necessary.

Sincerely,

Trina O. Scott

Trina O. Scott, Mayor
Town of New Roads, La.

Verification _____

Name _____

Date _____

CRIMINAL OFFICE 343-9234
CIVIL OFFICE 343-9248

Sheriff

Belvin F. Bergeron

PARISH OF WEST BATON ROUGE
P. O. BOX 129
PORT ALLEN, LOUISIANA 70767

November 11, 1981

Mr. John G. Cadwallader
Supervisor-Emergency Planning
River Bend Nuclear Group
Gulf States Utilities Company
P. O. Box 2431
Baton Rouge, LA 70821

Dear Mr. Cadwallader:

This letter is to advise you that the West Baton Rouge Parish Sheriff's Office, upon being notified, will assist whenever there is an emergency situation at River Bend Station.

Our office does operate on a 24-hour call basis. Therefore, in case of an emergency, please advise our office immediately and we will provide you with the following assistance:

1. Provide protective action to the public as directed by the West Baton Rouge Parish Civil Defense upon recommendations by the Louisiana Nuclear Energy Division, Louisiana Office of Emergency Preparedness, or their designated representatives. This may require evacuation of residents in the affected area.

2. Assist in notifying residents within the affected area.

3. Assistance in traffic control.

4. Coordinate the evacuation of people within the parish as necessary.

5. Provide back-up communications if necessary.

6. Coordinate additional emergency actions as necessary.

Yours truly,

B. F. Bergeron

Belvin F. Bergeron, Sheriff
West Baton Rouge Parish

12/5/84 Belvin F. Bergeron

Verification Charles LeBlanc
Name
Date 11/30/84

WEST BATON ROUGE PARISH
CIVIL DEFENSE

PORT ALLEN, LA 70767

November 11, 1981

Mr. John G. Cadwallader
Supervisor-Emergency Planning
River Bend Nuclear Group
Gulf States Utilities Company
P. O. Box 2431
Baton Rouge, LA 70821

Dear Mr. Cadwallader:

You may be assured that upon being notified of an emergency situation at River Bend Station, the West Baton Rouge Civil Defense, acting on behalf of our Police Jury President, will render its cooperation and provide the following assistance according to our established procedures:

1. Implement the West Baton Rouge Parish Emergency Plan and its appropriate Emergency Plan Implementing Procedures.

2. Activate the West Baton Rouge Parish Emergency Operation Center (EOC).

3. Coordinate protective action to the public as recommended to us by the Louisiana Nuclear Energy Division, Louisiana Office of Emergency Preparedness, or their designated representatives.

4. Coordination of all West Baton Rouge Parish agencies in a response effort under the direction of the West Baton Rouge Parish Police Jury President.

5. Initiate protective actions based on the emergency classification.

6. Coordination for evacuation of residents within the affected area.

7. Coordination for reassembly of evacuees at designated reception centers.

8. Coordination for food, water, and medical aid to evacuees.

Yours truly,

Charles J LeBlanc

Charles J. LeBlanc
Civil Defense Director
West Baton Rouge Parish

Verification _____
Name Larry Gibbens
Date 12/4/84

The CITY OF BATON ROUGE
and PARISH OF EAST BATON ROUGE
Baton Rouge Louisiana

CIVIL DEFENSE AGENCY

November 13, 1981

Mr. John G. Cadwallader
Supervisor-Emergency Planning
River Bend Nuclear Group
Gulf States Utilities Company
P. O. Box 2431
Baton Rouge, LA 70821

Dear Mr. Cadwallader:

You may be assured that upon being notified of an emergency situation at River Bend Station, the East Baton Rouge Civil Defense, acting on behalf of our Mayor President, will render its cooperation and provide the following assistance according to our established procedures:

1. Implement the East Baton Rouge Parish Emergency Plan and its appropriate Emergency Plan Implementing Procedures.

2. Activate the East Baton Rouge Parish Emergency Operation Center (EOC).

3. Coordinate protective action to the public as recommended to us by the Louisiana Office of Emergency Preparedness, Louisiana Nuclear Energy Division, or their designated representatives.

4. Coordination of all East Baton Rouge Parish agencies in a response effort under the direction of the East Baton Rouge Parish Mayor President.

5. Initiate protective actions based on the emergency classification.

6. Coordination for evacuation of residents within the affected area.

7. Coordination for reassembly of evacuees at designated reception centers.

8. Coordination for food, water, and medical aid to evacuees.

Yours truly,

Larry Gibbens

Larry Gibbens
Assistant Civil Defense Director
East Baton Rouge Parish

Verification

Name

Date 11/30/84

PATRICK V. BONANNO
Chief of Police

Police Department

City of Baton Rouge

300 North Boulevard
Post Office Box 2406
Baton Rouge, Louisiana
70821

504/389-3800

April 16, 1982

Mr. John G. Cadwallader
Supervisor - Emergency Planning
River Bend Nuclear Group
Gulf States Utilities Company
P. O. Box 2431
Baton Rouge, Louisiana 70821

Dear Mr. Cadwallader:

This letter is to advise you that upon notification of an emergency situation at River Bend Station, the Baton Rouge Police Department will provide the following assistance upon request:

1. Provide protective action to the public as directed by the East Baton Rouge Civil Defense upon recommendations by the Louisiana Nuclear Energy Division, Louisiana Office of Emergency Preparedness, or their designated representatives. This may require evacuation of residents in the affected areas.

2. Assist in notifying residents within the affected area.

3. Assistance in traffic control.

4. Coordinate the evacuation of people within the city as necessary.

5. Provide back-up communications if necessary.

6. Coordinate additional emergency actions as necessary.

Sincerely,

Patrick V. Bonanno
Chief of Police

PVB/cd

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

AMBULANCE EMERGENCY KIT

Description	Type Radiation Detected	Range	~~Quantity~~
1. Monitoring Equipment			
Direct-reading intermediate range pocket dosimeters	Gamma	0-200mr ~~0-1R~~	~~5~~
Direct-reading high range pocket dosimeters	Gamma	0-10R 0-100 R	5 25
Dosimeter chargers	-	-	1
Low-range portable ion chambers or G-M rate meters	Beta-Gamma	0-5 R/hr	1
G-M friskers	Beta-Gamma	0-500,000 CPM	1
2. Other Equipment			
Protective clothing sets (each to contain coveralls, shoe covers, rubbers, gloves, glove liners, and hoods)			5
Clipboards, notepads, pencils			2 each
Masking tape			3 rolls
Radiation tape			1 roll
Poly bags small (approx. 20"x24")			5
Poly bags large (approx. 40"x46")			5
Personnel Injury/Contamination Forms			
Thermolumenescent Dosimeters	Beta-Gamma	-----	

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

AMBULANCE EMERGENCY KIT (Cont)

Description	Quantity
Contamination smears and envelopes	100 each
Paper towels	3 rolls
Plastic sheeting to protect inside of ambulance	20 sheets
Barrier rope	200 ft
Chalk (marking)	6
Contamination warning signs	6
Radioactive material tags	10
Step-off pads	2
Emergency plan implementing document	1
Set of station floor plan drawings	1
Area map with meterological overlay	1
Map showing environmental monitoring stations	1
Logbook	1
Road maps to West Feliciana Parish Hospital and Our Lady of the Lake Regional Medical Center	2
Personnel Injury/Contamination Forms	25

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APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

MAIN CONTROL ROOM EMERGENCY KIT

Description	Type Radiation Detected	Range	~~Quantity~~
1. Monitoring Equipment			
Low-range portable ion chambers or G-M rate meters	Beta-Gamma	0-5 R/hr	~~1~~
High-range portable ion chambers rate meters	Beta-Gamma	0.1-1,000 R/hr	2
High range portable ion chambers rate meters	Gamma	0-10,000 R/hr	1
Neutron dose equivalent rate meter	Neutrons	0-5 R/hr	1
G-M friskers	Beta-Gamma	0-500,000 CPM	2
Portable alpha survey meters	Alpha		1
Direct-reading intermediate range pocket dosimeters	Gamma	~~0-1 R~~	20
Direct-reading high range pocket dosimeters	Gamma	0-10 R ~~0-100 R~~	20 25
Dosimeter chargers	-	-	2
Alarm dosimeters	Gamma		4

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

MAIN CONTROL ROOM EMERGENCY KIT (Cont)

Description	~~Quantity~~
Air sample collectors with particulate filters and iodine cartridges	2
Activated charcoal cartridges or equivalent	10
Particulate filters	50
Continuous air monitor with readout	1
2. Respiratory Equipment	
Self-contained air breathing apparatus (P/D)	10
Spare air bottles	10
Full face filter respirators	10
Respirator filters	10
3. Other Equipment	
Protective clothing sets (each to contain coveralls, shoe covers, rubbers, gloves, glove liners, hoods)	20
Flashlights	10
~~Spare bulbs~~	5
~~Spare flashlight batteries~~	48
Contamination smears and envelopes	1,000 ~~each~~
Clipboards, notepads, pencils	6 ~~each~~
Masking tape	6 ~~rolls~~

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

MAIN CONTROL ROOM EMERGENCY KIT (Cont)

Description	~~Quantity~~
Poly bags small (approx. 20" x 24")	~~50~~
Poly bags large (approx. 40" x 46")	~~50~~
Radiation warning signs	~~6~~
~~High radiation warning signs~~	~~6~~
Barrier rope	~~200 ft~~
Chalk (marking)	~~6~~
Contamination warning signs	~~6~~
Radioactive material tags	~~100~~
~~Hot spot stickers~~	~~15~~
Emergency plan implementing procedures ~~document~~	~~1~~
~~Set of station floor plan drawings~~	~~1~~
Area map with meteorological overlay	~~1~~
~~Map showing environmental monitoring stations~~	~~1~~
Portable calculators	~~1~~
Step-off pads	~~4~~
~~30 gallon~~ Containers for radioactive trash and materials	~~2~~

4

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

EOF WITH DECON AREA AND FIRST AID ROOM EMERGENCY KIT

Description	Type Radiation Dectected	Range	~~Quantity~~
1. Monitoring Equipment			
4 Low-range portable ion chambers or G-M rate meters	Beta-Gamma	0-5 R/hr	~~8~~
4 Micro-R meter	Beta-Gamma	(Later)	1
High-range portable ion chamber rate meters	Beta-Gamma	0.1-1,000 R/hr	2
4 High-range portable ion chamber rate meters	Gamma	0-10,000 R/hr	1
G-M friskers	Beta-Gamma	0-500,000 CPM	~~8~~
4 Portable neutron dose rate meter	Neutrons	0-5 R/hr	1
Portable alpha survey meters	Alpha		1
Direct-reading intermediate range pocket dosimeters	Gamma	~~0-1 R~~	~~46~~
8 Direct-reading high range pocket dosimeters	Gamma	0-10 R 0-100 R	~~20~~ ~~25~~
Dosimeter chargers			~~2~~
Alarm dosimeters	Gamma		~~4~~
Thermoluminescent dosimeters (TLDs)	Beta-Gamma Neutron		~~100~~

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

EOF WITH DECON AREA AND FIRST AID ROOM EMERGENCY KIT (Cont)

Description	~~Quantity~~	
Manual TLD reader	1	4
Multi Channel Analyzer with silver zeolite cartridges	1	8
Air sample collectors with particulate filters and cartridges	4	4
Activated charcoal cartridges or equivalent	5Ø	
Particulate filters	1ØØ	4
Continuous air monitor with readout	1	
2. Respiratory Equipment		
Self-contained air breathing apparatus (P/D)	1Ø	
Spare air bottles	1Ø	
Full face filter respirators	3Ø	
Respirator filters	1ØØ	
3. Other Equipment		
Protective clothing sets (each to contain coveralls, shoe covers, rubbers, gloves, glove liners, hoods)	2ØØ	4
Flashlights	1Ø	
Spare bulbs	5	
Spare flashlight batteries	4Ø	

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

EOF WITH DECON AREA AND FIRST AID ROOM EMERGENCY KIT (Cont)

Description	~~Quantity~~
Contamination smears and envelopes	~~5,000 each~~

4 APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

EOF WITH DECON AREA AND FIRST AID ROOM EMERGENCY KIT (Cont)

	Description	~~Quantity~~
	Clipboards, notepads, pencils	10 ~~each~~
4	Masking tape	20 ~~rolls~~
	Poly bags small ~~(approx. 24" x 24")~~	500
	Poly bags large ~~(approx. 40" x 46")~~	500
4	Radiation warning signs	20
4	High radiation warning signs	20
	Barrier rope	1,200 ~~ft~~
	Chalk (marking)	6
4	Contamination warning signs	20
4	Radioactive material tags	100
	Hot spot stickers	16
	Step-off pads	10
	Emergency plan implementing prpcedure ~~document~~	1
	Set of station floor plan drawings	1
	Area map with meteorological overlay	1
	Map showing environmental monitoring stations	1
4	Portable calculator	5
	Walkie-talkies	8
4	Tape recorder	2
4	Logbook	2

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

EOF WITH DECON AREA AND FIRST AID ROOM EMERGENCY KIT (Cont)

Description	~~Quantity~~
Vehicle with two-way radios	3
Buckets	5
Mops	5
Sponges	10
12 VDC to 110 VAC power inverter	4
MCA unit	1
Liquid Nitrogen Supply Capability	1

4. Decon Area

Disposable gloves	~~1000~~
Detergent (gallons)	~~5~~
Hand soap (gallons)	~~10~~
Washcloths	~~100~~
Towels	~~100~~
Shaving cream	~~3~~
Disposable safety razor	~~50~~
Manicure set	~~2~~
Hand (fingernail) brushes	~~2~~
Cotton balls	5,000
Cotton swabs	5,000
Facial tissue	1,000
Plastic bags (small)	~~1000~~

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

EOF WITH DECON AREA AND FIRST AID ROOM EMERGENCY KIT (Cont)

Description	~~Quantity~~
Plastic bags (large)	1000
Absorbent paper roll	1
Plastic sheet roll	1
Eye wash solution with applicator	5
Nasal irrigation equipment	
Poly bottles (various sizes)	25
Plastic beakers (various sizes)	50
~~Decontamination chemicals~~	
~~10-gallon~~ Containers for liquid radioactive waste	5
~~30-gallon~~ Containers for radioactive trash and materials	3
Logbook ~~and tape recorder~~	1
Industrial First Aid Kit	
5. First-Aid Room	
Treatment table	2
Instrument and first-aid supply cabinets	2
Resuscitator	1
Canvas stretcher	3
Wire basket stretcher	2
Crutches (pairs)	3
Emergency bags	3
First-aid equipment and supplies (sets)	4

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

EOF WITH DECON AREA AND FIRST AID ROOM EMERGENCY KIT (Cont)

Description	Quantity
Medical and surgical equipment and supplies (sets)	2
Logbook and tape recorders	1

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APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

GSU CORPORATE HEADQUARTERS EMERGENCY KIT

Description	Quantity
Emergency plan implementing document	1
Area maps, isopleths, nomograms	1
Set of station piping and instrument drawings	1
Set of station floor plan drawings	1
Map showing environmental monitoring station locations	1

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APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

OPERATIONS SUPPORT CENTER EMERGENCY KIT
(As a Minimum)

Description	Type Radiation Detected	Range	~~Quantity~~	
1. Monitoring Equipment				
Low-range portable ion chambers or G-M rate meters	Beta-Gamma	0-5 R/hr	3	4
High-range portable ion chamber rate meters	Beta-Gamma	0.1-1,000 R/hr	2	
High-range portable ion chamber rate meters	Gamma	0-10,000 R/hr	1	4
~~Neutron dose equivalent rate meter~~	~~Neutrons~~	~~0-5 R/hr~~	1	
G-M friskers	Beta-Gamma	0-500,000 CPM	3	4
~~Portable alpha survey meters~~	~~Alpha~~		1	
Direct-reading intermediate range pocket dosimeters	Gamma	0-1 R	50	4
Direct-reading high range pocket dosimeters	Gamma	0-10 R 0-100 R	50 25	4 8
Dosimeter chargers	-		2	
Alarm dosimeters	Gamma	0-9,900mR	15	4
Air sample collectors with particulate filters and iodine			4	

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

OPERATIONS SUPPORT CENTER EMERGENCY KIT (Cont)

Description	~~Quantity~~
cartridges	
Thermoluminescent Dosimeters(TLDs) Beta/Gamma	
~~Activated charcoal cartridges or equivalent~~	~~20~~
8 uCi Check Source Cs-137	
Particulate filters	~~100~~
Portable Radiation ~~Air~~ monitor with continuous readout	~~1~~

2. Respiratory Equipment

Self-contained air breathing apparatus (P/D)	~~10~~
Spare air bottles	~~10~~
Full face filter respirators	~~50~~
Respirator filters	~~50~~

3. Other Equipment

Protective clothing sets (each to contain coveralls, shoe covers, covers, rubbers, gloves, glove liners, hoods)	~~50~~
Flashlights	~~10~~
First Aid Kit	
~~Spare bulbs~~	~~5~~
~~Spare flashlight batteries~~	~~40~~
Contamination smears and envelopes	~~1,000 each~~
Clipboards, notepads, pencils	~~6 each~~
Masking tape	~~10 rolls~~
Poly bags small (approx. 20" x 24")	~~50~~
Poly bags large (approx. 40" x 46")	~~50~~

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

OPERATIONS SUPPORT CENTER EMERGENCY KIT (Cont)

Description	~~Quantity~~
Radiation warning signs	2Ø
High radiation warning signs	2Ø
Barrier rope	~~1000 ft~~
Chalk (marking)	6
Contamination warning signs	2Ø
Radioactive material tags	1ØØ
Hot spot stickers	1Ø
Emergency plan implementing ~~document~~ procedures	1
Set of station floor plan drawings	1
Set of station survey maps	1Ø
~~Area map with meteorological overlay~~	1
~~Map showing environmental monitoring stations~~	1
Portable calculator	1
Step-off pads	2Ø
~~Covered Stokes stretcher with gurney~~	1
~~First aid equipment and supplies~~	1 ~~sets~~
~~Decontamination equipment~~	1 ~~set~~
Camera ~~(Polaroid type)~~	2
Film	1Ø ~~pkgs.~~
Walkie Talkies	4

4

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

~~RESCUE/DAMAGE CONTROL EQUIPMENT LIST[1]~~

OPERATIONS SUPPORT CENTER EMERGENCY KIT(CONT D)

Description	Quantity
Ropes ~~(lengths of 100-ft, 150-ft and 225-ft)~~	~~2 each~~
Life-lines (various lengths)	~~2 each~~
Wrecking bars	~~4~~
Boltcutter	~~4~~
Come-alongs	~~2~~
Cable slings	~~4~~
Hydraulic jacks	~~2~~
Sledge hammer	~~2~~
Tool kit	~~2~~
Small acetylene cutting and welding rig	~~2~~
4 Combustable gas/oxygen analyzer	~~1~~

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(1) Complete inventory in implementing ~~document~~ procedure.

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

TSC EMERGENCY KIT

Description	Type Radiation Detected	Range	~~Quantity~~
1. Monitoring Equipment			
Low-range portable ion chambers or G-M rate meters	Beta-Gamma	0-5 R/hr	~~2~~
High-range portable ion chambers rate meters	Beta-Gamma	0.1-1,000 R/hr	2
High-range portable ion chambers rate meters	Gamma	0-10,000 R/hr	1
Neutron dose equivalent rate meter	Neutrons	0-5 R/hr	1
G-M Friskers	Beta-Gamma	0-500,000 CPM	2
Portable alpha survey meters	Alpha		1
Direct-reading intermediate range pocket dosimeters	Gamma	0-~~1 R~~	50
Direct-reading high range pocket dosimeters	Gamma	0-10 R 0-100 R	50 25
Dosimeter chargers	-	-	2
Alarm dosimeters	Gamma		4

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

TSC EMERGENCY KIT (Cont)

	Description	Quantity
4	Thermoluminescent dosimeters (TLDs) Beta-Gamma-Neutron	50
4	Air sample collectors with particulate filters and iodine cartridges	2
4	Activated charcoal cartridges or equivalent	20
	Particulate filters	50
Portable Radiation	~~Air~~ monitor with continuous readout	1
2.	Respiratory Equipment	
	Self-contained air breathing apparatus (P/D)	10
	Spare air bottles	10
	Full face filter respirators	10
	Respirator filters	10
3.	Other Equipment	
	Protective clothing sets (each to contain coveralls, shoe covers, rubbers, gloves, glove liners, hoods)	20
	Flashlights	10
	~~Spare bulbs~~	5
	~~Spare flashlight batteries~~	48
	Contamination smears and envelopes	1,000 each
	Clipboards, notepads, pencils	6 each
	Masking tape	6 rolls

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

TSC EMERGENCY KIT (Cont)

Description	~~Quantity~~
Poly bags small (approx. 20" x 24")	50
Poly bags large (approx. 40" x 46")	50
Radiation warning signs	6
High radiation warning signs	6
Barrier rope	200 ft
Chalk (marking)	6
Contamination warning signs	6
Radioactive material tags	100
Hot spot stickers	15
Step-off pads	20
Emergency plan implementing ~~document~~ procedures	1
~~Set of station floor plan drawings~~	~~1~~
Area maps~~with meteorological overlay~~	~~1~~
~~Map showing environmental monitoring stations~~	~~1~~
Portable calculator	~~5~~

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

FIRST AID ROOM EQUIPMENT LIST

Description	~~Quantity~~
1. First-Aid Room	
Treatment table	1
Instrument and first-aid supply cabinets	2
~~Resuscitator~~ Resuscitator	~~1~~
~~Canvas stretcher~~	~~3~~
Wire basket stretcher	2
~~Crutches (pairs)~~	~~3~~
~~Emergency bags~~	~~3~~
First-aid equipment and supplies (sets)	4
~~Medical and surgical equipment and supplies (sets)~~	~~2~~
~~Logbook and tape recorders~~	~~1~~
Potassium Iodide (KI) Tablets, ~~130 mg~~	~~1,000~~
4. Decon Area	
Disposable gloves	~~200~~
Detergent (gallons)	~~5~~
Hand soap (gallons)	~~10~~
Washcloths	~~100~~
Towels	~~100~~
Shaving cream	~~3~~
Disposable safety razor	~~50~~

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

FIRST AID ROOM EQUIPMENT LIST (Cont)

Description	~~Quantity~~
Decon. Kit (RMC or Equivalent)	
Manicure set	2
Hand (fingernail) brushes	2
Cotton balls	5,000
Cotton swabs	5,000
Facial tissue	1,000
Plastic bags (various sizes)	100
Eye wash solution with applicator	5
Nasal irrigation equipment	
Poly bottles (various sizes)	20
Plastic beakers (various sizes)	50
Decontamination chemicals	
~~10-gallon~~ Containers for liquid radioactive waste	5
~~30-gallon~~ Containers for radioactive trash and materials	2
Logbook ~~and tape recorder~~	

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

WEST FELICIANA PARISH HOSPITAL AND OUR LADY OF THE LAKE REGIONAL MEDICAL CENTER

Description	Quantity
Decontamination table top w/splash guard, stretcher insert, ~~two 15-gal~~ polyvinyl water containers	1
Contaminated waste container, ~~35 gal with~~ mobile base	2
Decontamination kit	1
Bioassay sample-taking kit	1
Mobile storage cart built to contain items listed	1
Lead container for high-activity specimen	1
Masking tape, ~~2 in. wide~~	10
Radiation-warning rope cut to fit Radiation Emergency Area (REA)	1
Radiation warning signs	10
Radiation sign inserts	15
Hose with low-pressure showerhead, prerinse with brass spray head, and chrome-plated hose adapter	1
Step-off pads, plastic laminate, ~~bold-type printing~~	2
Protective clothing packs	20
Surgical gowns	2/pack
Aprons	2/pack
Surgical gloves	2 pr/pack
Mask	1/pack
Cap	1/pack
Shoe covers	2 pr/pack

APPENDIX E

RIVER BEND STATION EMERGENCY EQUIPMENT LISTS

WEST FELICIANA PARISH HOSPITAL AND OUR LADY OF THE LAKE REGIONAL MEDICAL CENTER (Cont)

Description	~~Quantity~~
Stanchions, metal	4
Herculite (precut to fit REA), yellow (decontamination room, ambulance entrance), (buffer zone), and white (patient exit)	~~Sufficient~~
Trashcan liners, plastic	10
RM-14 count rate meter	2
E-120 dose rate meter	1
0-200 mR SRDs	10
Dosimeter charger	1
TLD, badges	10
TLD, rings	10

TABLE F-1

EIP PROCEDURE LISTING

EIP No.	Procedure
EIP-2-001	Classification of Emergencies
EIP-2-002	Notification of Unusual Event
EIP-2-003	Alert
EIP-2-004	Site Area Emergency
EIP-2-005	General Emergency
EIP-2-006	Notifications
EIP-2-007	Protective Action Recommendation Guidelines
EIP-2-008	Search and Rescue
EIP-2-009	Medical Emergencies
EIP-2-010	Toxic Material Emergencies
EIP-2-011	Fire Emergencies
EIP-2-012	Radiation Exposure Controls
EIP-2-013	Onsite Radiological Monitoring
EIP-2-014	Offsite Radiological Monitoring
EIP-2-015	Post-Accident Sampling Operations
EIP-2-016	Operations Support Center - Activation
EIP-2-017	Operations Support Center - Support Functions
EIP-2-018	Technical Support Center - Activation
EIP-2-019	Technical Support Center - Support Functions
EIP-2-020	Emergency Operations Facility - Activation
EIP-2-021	Emergency Operations Facility - Support Functions
EIP-2-022	Alternate EOF - Activation and Transfer of Functions Center
EIP-2-023	Joint Information Staff Activation and Functions
EIP-2-024	Offsite Dose Calculations - Manual Method
EIP-2-025	Offsite Dose Calculation - Computer Method
EIP-2-026	Evacuation
EIP-2-027	Personnel Accountability
EIP-2-028	Recovery
EIP-2-029	Emergency Telephone Book
EIP-2-100	Procedure Review, Revision, and Approval
EIP-2-101	Periodic Review of the Emergency Plan
EIP-2-102	Training, Drills, and Exercises
EIP-2-103	Emergency Equipment Inventory
EIP-2-104	Maintenance of Emergency Telephone Numbers

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RIVER BEND STATION EMERGENCY PLAN
NUREG 0654 CROSS REFERENCE

NUREG 0654 Section Listing	Emergency Plan Section Numbers	Title	
A. Assignment of Responsibility			
1.a	13.3.4.3	Augmentation of Site Emergency Organization	4
	13.3.4.3.1	Headquarters Support	
	13.3.4.3.2	Local Support Services	
	13.3.4.4.1	State of Louisiana and River Bend Parish Agencies	4
	13.3.4.4.2	Mississippi State Agencies	
	13.3.4.4.3	Federal Government	
1.b	13.3.2	Summary of Emergency Plan	
	13.3.4	Organizational Control of Emergencies	4
	13.3.5.4.1.2.1	GSU Responsibilities During an Onsite Emergency Event with Offsite Radiological Consequences	
1.c	~~Fig. 13.3-5~~	~~Normal Operating Organization~~	
	Fig. 13.3-6	Normal 3-Shift Operating Organization	
	Fig. 13.3-7	Notification of Unusual Event Emergency Organization	
	Fig. 13.3-8	Alert Emergency Organization	
	Fig. 13.3-9	Site Area Emergency and General Organization	
	~~Fig. 13.3-10~~	~~General Emergency Organization~~	
	Fig. 13.3-11	GSU Headquarters (Beaumont, Texas) Emergency Organization and Responsibilities	4
	Fig. 13.3-12	State of Louisiana Emergency Organization	
	Fig. 13.3-13	State of Mississippi Emergency Organization	
	Fig. 13.3-14	Parish Organizational Chart-Pointe Coupee, West Baton Rouge, East Feliciana and West Feliciana	
	Fig. 13.3-15	City/Parish Organizational Chart - East Baton Rouge	

NUREG 0654 Section Listing	Emergency Plan Section Numbers	Title
1.d	13.3.4.2.1	Direction/Coordination
1.e	13.3.4.2.2	Plant Staff Emergency Assignments
	13.3.4.2.2.2	Notification/Communication
3.	Appendix B	Letters of Agreement
4.	13.3.4.2.2	Plant Staff Emergency Assignments
B. Onsite Emergency Organization		
1.	13.3.4	Organizational Control of Emergencies
	13.3.4.1	Normal Operating Organization
	13.3.4.2	Onsite Emergency Organization
	13.3.4.2.2	Plant Staff Emergency Assignments
	Table 13.3-5	River Bend Station Emergency Organization
2.	13.3.4.2.1	Direction/Coordination
3.	13.3.4.2.1	Direction/Coordination
	Table 13.3-4	River Bend Station Line of Succession
4.	13.3.4.2.1	Direction/Coordination
5.	13.3.4.2 et al	Onsite Emergency Organization
	Table 13.3-5	River Bend Station Emergency Organization
	~~Table 13.3-6~~	~~Functional Area Responsibility~~
	Fig. 13.3-7	Notification of Unusual Event Emergency Organization
	Fig. 13.3-8	Alert Emergency Organization
	Fig. 13.3-9	Site Area Emergency {and General Organization
	~~Fig. 13.3-10~~	~~General Emergency Organization~~
	Appendix A	Emergency Organization Job Descriptions
6.	~~Fig. 13.3-11~~	~~GGU Headquarters (Beaumont, Texas) Organization and Responsibilities~~

NUREG 0654 Section Listing	Emergency Plan Section Numbers	Title	
	Fig. 13.3-13	State of Mississippi Emergency Organization	
	Fig. 13.3-14	Parish Organizational Chart-Pointe Coupee, West Baton Rouge, East Feliciana and West Feliciana	4
	Fig. 13.3-15	City/Parish Organizational Chart - East Baton Rouge	
	Fig. 13.3-18	River Bend Station Emergency Response Facilities	
7.	13.3.4.2.2	Plant Staff Emergency Assignments	
	13.3.4.3.1	Headquarters Support	
	Table 13.3-5	River Bend Station Emergency Organization	4
	~~Table 13.3-6~~	~~Functional Area Responsibility~~	
7.a	13.3.4.2.2	Plant Staff Emergency Assignments	
	13.3.4.3.1	Headquarters Support	
	~~Fig. 13.3-11~~	~~GSU Headquarters (Beaumont, Texas) Organization and Responsibilities~~	4
	Table 13.3-5	River Bend Station Emergency Organization	
7.b	13.3.8	Recovery	
	13.3.4.2.2.1	Plant Operations and Assessment of Operational Aspects	
	13.3.4.2.2.4	Plant Systems Engineering, Repair and Corrective Actions	4
	Table 13.3-5	River Bend Station Emergency Organization	
7.c	13.3.4.2.1	Direction/Coordination	
	13.3.4.3.1	Headquarters Support	
	Table 13.3-5	River Bend Station Emergency Organization	4

NUREG 0654 Section Listing	Emergency Plan Section Numbers	Title
4.	13.3.4.3.2	Local Support Services
	Appendix B	Letters of Agreement ~~(See Mutual Assistance Plan)~~

D. Emergency Classification System

1.	13.3.3.1 et al	Classification System
	13.3.3.2	Spectrum of Postulated Accidents
	13.3.3.2.1	Instrumentation Capability for Detection
	13.3.3.2.2	Evaluation
	Table 13.3-1	Emergency Action Levels, Initiating Conditions and Emergency Response
	Table 13.3-2	FSAR Postulated Accidents Emergency Classification
	Table 13.3-3	Accident Assessment Techniques
2.	13.3.3.2	Spectrum of Postulated Accidents
	Table 13.3-1	Emergency Action Levels, Initiating Conditions and Emergency Reponse
	Table 13.3-2	FSAR Postulated Accidents Emergency Classification

E. Notification Methods and Procedures

1.	13.3.4.2.2.2	Notification/Communication
	13.3.5.4.1.1.1	Notification
	13.3.5.4.1.2.1	GSU Responsibilities During an Onsite Emergency Event with Offsite Radiological Consequences
2.	13.3.4.2.2.2	Notification/Communication
	13.3.5.4.1.1.1	Notification

NUREG 0654 Section Listing	Emergency Plan Section Numbers	Title	
3.a,b	13.3.5.4.3	Contamination Control Measures	4
	13.3.5.5.1	Emergency Personnel Exposure Criteria	4
5a	13.3.5.4.3	Contamination Control Measures	
	Table 13.3-10	Exposure Criteria for Emergency Workers	8
5b	13.3.5.5.2	Decontamination and First Aid	
6.a,b,c	13.3.5.4.3	Contamination Control Measures	4
	13.3.5.4.1.1.3	Onsite Evacuation and Relocation	
7.	13.3.5.5.2	Decontamination and First Aid	4
L. Medical and Public Health Support			
1.	13.3.4.2.2.7	Rescue and First Aid	
	13.3.4.3.2	Local Support Services	
	13.3.5.5.4	Medical Treatment	
2.	13.3.4.2.2.7	Rescue and First Aid	4
	13.3.5.5.2	Decontamination and First Aid	
	13.3.6.5	First Aid and Medical Facilities	
4.	13.3.5.5.2	Decontamination and First Aid	
	13.3.5.5.3	Medical Transportation	
M. Recovery and Reentry Planning and Post Accident Operations			
1.	13.3.8	Recovery	
2.	13.3.8	Recovery	
	Fig. 13.3-[illegible]9	General Emergency Organization (Site Area and	