

CPSES NRC EMERGENCY PREPAREDNESS APPRAISAL ITEMS STATUS TRACKING REPORT

ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
1.0	ADMINISTRATION OF THE EMERGENCY PLAN		
1.1	Assignment of Responsibility		CLOSED R- All items within this subsection have been closed out.
1.1.a	Is there an individual at the site formally appointed (e.g., by job description, procedure, or memorandum) as the Emergency Planning Coordinator?	BTL	CLOSED R- Yes. Memorandum TIM-83191 (B.T. Lancaster to D.W. Braswell) formally assigns Mr. Robert B. Wester to the position of Emergency Planning Coordinator at CPSES.
1.1.b	Is there a counterpart formally assigned at the corporate level?	JDE	CLOSED R- No. Corporate responsibilities for emergency preparedness planning have been assigned to members of the Corporate Health Physics Supervisor's staff as delineated in Mr. J.D. Edwards' memo to his staff dated 08/29/83.
1.1.c	Is emergency planning part of the appointed individual's normal duties or "additional" in nature?	BTL	CLOSED R- At CPSES, the Emergency Planning Coordinator devotes full-time to emergency preparedness planning-related activities. Refer to memorandum TIM-83191.
1.1.d	Are there provisions for input to emergency planning by site personnel?	BTL	CLOSED R- At CPSES, site personnel may provide input to emergency preparedness planning through recommendations for revisions to the CPSES Emergency Plan and Emergency Plan Procedures, and through the drill/exercise critique process.
1.1.e	Are any other individuals assigned responsibilities for maintaining emergency response capability? If so, what are the responsibilities and are those responsibilities formally assigned (e.g., by job description, procedure, or memorandum)?	WCC	CLOSED R- Corporate Health Physics Supervisor- development of the annual exercise scenario (Plan Section 12.0) and performance of an annual independent review of the Plan and EPP's (Plan Section 14.0).
1.1.e (cont'd)			CLOSED Director, Nuclear Training- coordination of the implementation of the CPSES Emergency Preparedness Training Program (Plan Section 13.0) and development of the training program in coordination with the Emergency Planning Coordinator (Plan Section 14.0).

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1.1.e (cont'd)		CLOSED	Station Operations Review Committee (SORC)- Review and approval of revisions to the Plan and EPP's (Procedure EPP-102), and review of the annual exercise (Plan Section 14.0).
1.1.e (cont'd)		CLOSED	TUGCO Quality Assurance- Auditing the effectiveness of the CPSES Emergency Preparedness Training Program (Plan Section 13.0) and performing an annual review of the Plan and EPP's (Procedure EPP-102).
1.1.f	Do individuals within the management and the professional staff at the site know who is responsible for emergency planning?	CLOSED	C- This question may be directed at random to site personnel by NRC personnel during the NRC Emergency Preparedness Appraisal.
1.2	Authority	CLOSED	R- All items within this subsection have been closed out.
1.2.a	Are assigned responsibilities for emergency planning supported with the necessary authority?	None	CLOSED C- This question will be addressed as part of the NRC Emergency Preparedness Appraisal.
1.2.b	Do personnel responsible for emergency planning receive management support when exercising this authority?	None	CLOSED C- This question will be addressed as part of the NRC Emergency Preparedness Appraisal.
1.2.c	Do personnel responsible for emergency planning report to the Manager, Plant Operations, or a higher authority?	RBW	CLOSED R- At CPSES, the Emergency Planning Coordinator is assigned from the Radiation Protection Section and reports to the Radiation Protection Engineer.
1.3	Coordination		
1.3.a	Do routine coordination events, such as BTL SORC meetings and budget inputs, involve personnel responsible for emergency planning?	CLOSED	R- The Radiation Protection Engineer is a member of the SORC. Budget inputs regarding emergency preparedness at CPSES are provided by the Radiation Protection Engineer.

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1.3.b	Is there coordination with and between all licensee organizations in those areas related to emergency planning?	RBW		CLOSED	C- This question will be addressed as part of the NRC Emergency Preparedness Appraisal.
1.3.c	Is the interaction between site and corporate individuals involved in emergency planning well defined?	BTL		CLOSED	R- Yes. Refer to the agreement, which is dated 11/01/83 and entitled "Corporate Health Physics Emergency Preparedness Support", between J.D. Edwards (Corporate Health Physics Supervisor) and D.W. Braswell (CPSSES Engineering Superintendent).
1.3.d	Is there coordination between the licensee and offsite groups (e.g., State officials, local officials, the news media and the general public)?	RBW		CLOSED	R- Yes. Refer to the numerous letters exchanged between TUSCO and State and local authorities, and the records of those drill activities, such as the All-Agency "Table-Top" Drill, which have involved TUSCO, State and local emergency response personnel.
1.3.e	Is the responsibility for the above well documented? (Refer to Section 6.0 below).	RBW	09/16/83	OPEN	
1.4	Selection and Qualification				
1.4.a	Are there selection criteria established for those personnel responsible for emergency planning?	BTL	09/02/83	OPEN	
1.4.b	Do the incumbents meet this selection criteria?	BTL	09/02/83	OPEN	
1.4.c	Is there appropriate training provided to those personnel who do not meet the selection criteria?	BTL	09/02/83	OPEN	
1.4.d	Are professional development training courses made available to the personnel responsible for emergency planning to maintain state-of-the-art knowledge?	BTL	09/02/83	OPEN	

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS	DATE	RESOLUTION/COMMENTS
2.0	EMERGENCY ORGANIZATION			
2.1	Onsite Organization			
2.1.a (Part 1)	Are personnel who may be assigned to the MCC following functional areas of the emergency response specified by position, or by title and name, in the CPSES Emergency Plan and Emergency Plan Procedures down to the working level?		CLOSED	R- The Plan, and Procedures EPP-109 and EPP-112 specify, by routine title, those individuals assigned primary and alternate emergency plan positions. Procedure EPP-203 specifies, by name, all individuals assigned roles in the emergency response.
2.1.a (Part 2)	Are the descriptions consistent within the CPSES Emergency Plan and the various Emergency Plan Procedures, and with the actual CPSES Emergency Organization?	GWS	CLOSED	R- Yes. The CPSES Emergency Organization is continuously evaluated under actual drill conditions against the CPSES Emergency Plan and Emergency Plan Procedures. When appropriate, revisions to the Plan and EPP's are initiated to reflect any changes.
2.1.a.(1)	Emergency response coordination	WCC	CLOSED	R- Provided by the Emergency Coordinator as set forth in Plan Subsection 1.2 and Procedure EPP-109.
2.1.a.(2)	Plant systems operation	WCC	CLOSED	R- Provided by the Operations Coordinator and the Operations Advisor as set forth in Plan Subsection 1.2 and Procedure EPP-112.
2.1.a.(3)	Operational accident assessment	WCC	CLOSED	R- Provided by the Operations Coordinator and the Engineering Team Coordinator as set forth in Plan Subsection 1.2 and Procedure EPP-112.
2.1.a.(4)	Radiological and environmental monitoring	WCC	CLOSED	R- Provided by the Radiation Protection Coordinator and Onsite Radiological Assessment Coordinator as set forth in Plan Subsection 1.2 and Procedure EPP-112.
2.1.a.(5)	First aid and rescue operations	WCC	CLOSED	R- Provided by the OSC Supervisor, Security Supervisor and Onsite Radiological Assessment Coordinator as set forth in Plan Subsection 1.2, and Procedures EPP-112 and EPP-116.

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2.1.a.(6)	Personnel monitoring	WCC	CLOSED	R- Provided by the Onsite Radiological Assessment Coordinator as set forth in Plan Subsection 1.2 and Procedure EPP-112.
2.1.a.(7)	Decontamination	WCC	CLOSED	R- Provided by the Onsite Radiological Assessment Coordinator as set forth in Plan Subsection 1.2 and Procedure EPP-112.
2.1.a.(8)	Plant security and site access control	WCC	CLOSED	R- Provided by the Security Supervisor as set forth in Plan Subsection 1.2 and Procedure EPP-112.
2.1.a.(9)	Repair and corrective actions	WCC	CLOSED	R- Provided by the Maintenance Coordinator and OSC Supervisor as set forth in Plan Subsection 1.2 and Procedure EPP-112.
2.1.a.(10)	Personnel accountability	WCC	CLOSED	R- Provided by the Security Supervisor as set forth in Plan Subsection 1.2 and Procedure EPP-112.
2.1.a.(11)	Radiological accident assessment	WCC	CLOSED	R- Provided by the Radiation Protection Coordinator, Offsite Radiological Assessment Coordinator and Onsite Radiological Assessment Coordinator as set forth in Plan Subsection 1.2 and Procedure EPP-112.
2.1.a.(12)	Communications	WCC	CLOSED	R- Provided by the Communications Coordinator and TSC Advisor, and various communicators stationed at the TSC, OSC and EOF as set forth in Plan Subsection 1.2 and EPP-112.
2.1.a.(13)	Radiation protection	WCC	CLOSED	R- Provided by the Radiation Protection Coordinator, Offsite Radiological Assessment Coordinator and Onsite Radiological Assessment Coordinator as set forth in Plan Subsection 1.2 and Procedure EPP-112.

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PP-112.		WCC	CLOSED	R- Provided by the Chemistry Supervisor, Onsite Radiological Assessment Coordinator and Radiation Protection Coordinator as set forth in Plan Subsection 1.2 and Procedure EPP-112.
2.1.a.(15)	Radwaste operations	GWS	CLOSED	R- This item will not be addressed in the CPSES Emergency Plan as a specific functional responsibility of any emergency plan position. Radwaste operations will be coordinated as directed by the Emergency Coordinator or the Recovery Manager.
2.1.a.(16)	Technical support	WCC	CLOSED	R- Provided by the Engineering Support Coordinator, EOF Engineering Team, Engineering Team Coordinator, TSC Engineering Team, and Shift Technical Advisors as set forth in Plan Subsection 1.2 and Procedure EPP-112.
2.1.a.(17)	Manpower planning and logistical support	WCC	CLOSED	R- Provided by the Logistical Support Coordinator and TSC Advisor as set forth in Plan Subsection 1.2 and Procedure EPP-112.
2.1.a.(18)	Public information	WCC	CLOSED	R- Provided by the Public Information Coordinator as set forth in Plan Subsection 1.2 and Procedure EPP-112.
2.1.a.(19)	Licensee representation at the State EOC.	GWS 09/23/83	OPEN	C- This item should be more specifically addressed in the Plan.
2.1.b	Does the description of the CPSES Emergency Organization in the CPSES Emergency Plan and the Emergency Plan Procedures include a designated management structure for the functional areas described in Item 2.1.a above?	WCC	CLOSED	R- Yes. Refer to Plan Section 1.0, Figure 1.4, and Attachment 1 of Procedure EPP-112.
2.1.c (Part 1)	Are there provisions implemented to ensure that an Emergency Coordinator is available onsite at all times?	RBW	CLOSED	R- Yes. Refer to Plan Section 1.0 and Procedure EPP-109.

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2.1.c (Part 2)	Does this individual have the authority and responsibility to initiate any actions within the provisions of the Plan, including the exchange of information with authorities responsible for implementing offsite emergency response measures?	RBW CLOSED	R- Yes. Refer to Plan Section 1.0 and Procedure EPP-109.
2.1.d	Are the lines of succession for the position of Emergency Coordinator and the management structure for the various functional areas specified?	RBW CLOSED	R- Yes. Refer to Plan Section 1.0, and Procedures EPP-109 and EPP-112.
2.1.e	Are there established selection criteria for use in assigning individuals to the various functional areas of the emergency response?	RBW CLOSED	R- Generally, emergency plan position-holders have been assigned functional responsibilities that parallel their routine duties and responsibilities. This item has been formally addressed in Revision 7 of the Plan.
2.1.f	Do the individuals assigned to the various functional areas of the emergency response meet the selection criteria or, as a minimum, have work experience in the general types of duties of those functional areas?	RBW CLOSED	R- Generally, the CPSES emergency plan position-holders have work experience in their assigned functional areas of the emergency response. However, all CPSES emergency plan position-holders will be provided training as prescribed in Procedure TRA-105.
2.1.g	Are the interfaces between and among the GWS onsite functional areas of the emergency response clearly specified by an organization chart and understood by those individuals assigned to the CPSES Emergency Organization?	CLOSED	R- Yes. The CPSES Emergency Organization is clearly specified in Plan Section 1.0, Figure 1.4. This item was also considered in the evaluation of the players' performances in the TUGCO Walk-Through Drill as well as all other drills conducted to date.
2.2	Augmentation of the Onsite Emergency Organization		
2.2.a	Are Corporate personnel, who will augment the CPSES Emergency Organization, specified by position, or by title and name, for each of the following areas:	CLOSED	R- All items listed below have been closed out.

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2.2.a.(1)	Emergency response coordination?	CLW	CLOSED	R- Provided by the Vice President, Nuclear, and the Corporate Support Coordinator as set forth in CEMP Subsections 4.3 and 5.1, and Procedure CEPP-102.
2.2.a.(2)	Operational accident assessment?	CLW	CLOSED	R- Corporate support in the area of operational accident assessment is provided TUGCO Nuclear Operations personnel stationed at the EDF, and is provided under the direction of the Engineering Support Coordinator as set forth in Plan Section 1.0.
2.2.a.(3)	Radiological accident assessment?	CLW	CLOSED	R- Provided by the Health Physics Support Coordinator as set forth in CEMP Subsections 4.3, 5.1 and 7.2, and Procedure CEPP-102.
2.2.a.(4)	Radiological and environmental monitoring?	CLW	CLOSED	R- Provided by the Health Physics Support Coordinator and the Environmental Support Coordinator as set forth in CEMP Subsections 5.1 and 7.2, and Procedure CEPP-102.
2.2.a.(5)	Health physics?	CLW	CLOSED	R- Provided by the Health Physics Support Coordinator as set forth in CEMP Subsection 7.2 and Procedure CEPP-102.
2.2.a.(6)	Technical support?	CLW	CLOSED	R- Provided by the Corporate support coordinators for Engineering and Construction, Quality Assurance, Licensing, Nuclear Fuel Analysis, and Health Physics as set forth in CEMP Section 7.0, and Procedures CEPP-102 and CEPP-107.
2.2.a.(7)	Manpower and logistical support?	CLW	CLOSED	R- Provided by the Corporate Support Coordinator, Purchasing Support Coordinator, and Information Services Support Coordinator as set forth in CEMP Subsections 4.3, 7.1 and 7.2, and Procedure CEPP-102.

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ITEM NO.	IMPLEMENTATION AREA	RESP	COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
2.2.a.(8)	Public information?	CLW		CLOSED	R- Provided by the Information Services Support Coordinator as set forth in CEMP Subsections 7.1 and 9.4, and Procedure CEPP-108.
2.2.a.(9)	Licensee representation at the State EOC?	CLW		CLOSED	R- At this time, it is not intended that Corporate personnel be dispatched to the State EOC's in the event of an emergency situation at CPSES.
2.2.a.(10)	Dosimetry and measurements?	CLW		CLOSED	R- Provided by the Health Physics Support Coordinator and Environmental Support Coordinator as set forth in CEMP Subsection 7.2 and Procedure CEPP-102.
2.2.b	Do the licensee individuals selected to augment the CPSES Emergency Organization have work experience in the general types of duties of their assigned functional areas?	CLW		CLOSED	R- Yes. The individuals assigned to the various Corporate support coordinator positions within the TUGCO Corporate Emergency Organization fulfill assignments which parallel their routine organizational assignments.
2.2.c	Do the licensee's plans for augmenting the CPSES Emergency Organization include provisions for supplementing the Radiation Protection staff in the event that protracted operations (beyond the first 24 hours) are required?	CLW		CLOSED	R- If necessary, the Health Physics Support Coordinator may dispatch up to three (3) Radiation Protection Engineers to the CPSES site.
2.2.d	Are contractor and private organizations, which may be requested to provide technical assistance to, and augmentation of, the CPSES Emergency Organization specified? Do written contracts exist with between these organizations and TUGCO?	WCC		CLOSED	R- The Plan and Procedure EPP-114 address the support to be provided to the CPSES Emergency Organization by contractor and private organizations. In addition, the Plan contains copies of the associated Letters of Agreement.
2.2.e	Has the licensee demonstrated through a study or a drill situation that the minimum augmentation of the onsite plant staff can be accomplished within the 30/60-minute requirements specified in NUREG-0654, Revision 1?	RBW	09/23/83	OPEN	C- The augmentation times will be verified in an actual drill situation. The mini-drill program will include CPSES Emergency Organization/emergency response facility activation drills.

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2.2.f	Is the extension of the organizational capability to be provided by local services for handling emergencies specified (e.g., ambulance, medical, hospital, and firefighting organizations)?	WCC	CLOSED R- Plan Subsection 1.3 and Procedure EP-114 delineate the services to be provided by local offsite support organizations in response to an emergency situation at CPSES.
2.2.g	Are the authorities, responsibilities, and limits upon the actions of the Corporate, contractor, private organization, and local services support groups understood by these groups?	GLB 09/23/83	OPEN C- Yes. Resolution pending completion of "Station Access" training for county fire department and law enforcement personnel.
2.2.h	Are the interfaces between the onsite functional areas of the emergency response and the augmentation groups clearly specified by an organization chart and understood by all parties?	GWS	CLOSED R- Yes. Refer to the organization chart provided in Plan Section 1.0, Figure 1.1. Each individual's understanding of the interfaces between and among the onsite functional areas will be evaluated as part of the NRC Emergency Preparedness Appraisal.
2.2.i	If tag boards are used to make task assignments during an emergency, have task priorities been established?	DCK	CLOSED R- Tag boards will not be utilized to make task assignments during emergency situations.
3.0	EMERGENCY PLAN TRAINING AND RETRAINING		
3.1	Program Established		
3.1.a	Does the licensee have a formally documented and approved emergency plan training/retraining program description (procedure or training manual)?	RBW	CLOSED R- Yes. Refer to Procedure TRA-105.
3.1.b	Does the program description include qualification criteria for those individuals selected for assignment to the various functional areas of the emergency response?	RBW	CLOSED R- Yes. Procedure TRA-105, Attachment 3, specifies the required training for each individual assigned to the CPSES Emergency Organization.
3.1.c	Are training and retraining required at least annually for licensee personnel assigned to all functional areas applicable to the licensee's plans?	GWS	CLOSED R- Procedure TRA-105 specifies the training requirements and the frequency of retraining for all personnel assigned to the CPSES Emergency Organization. Appendix B to the CEMP specifies the training requirements for Corporate personnel.

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3.1.d	Are the number and designation of the training categories consistent with the number and designation of the functional areas of the emergency response in the CPSES Emergency Organization? For example:				C- The following items should also address those applicable training programs outside the CPSES Emergency Preparedness Training Program.
3.1.d.(1)	Emergency response coordination	RBW		CLOSED	R- Provided in Module 1, "Basic CPSES Emergency Plan".
3.1.d.(2)	Plant systems operations	GWS		CLOSED	R- Operational accident assessment is addressed in Module 2, "Accident Assessment".
3.1.d.(3)	Radiological and environmental monitoring	RBW		CLOSED	R- Provided in Module 7, "Onsite and Offsite Radiological Monitoring".
3.1.d.(4)	First aid and rescue operations	RBW		CLOSED	R- Provided in Module 9, "Emergency Repair and Damage Control", Module 10, "Basic First Aid", and Module 11, "Advanced First Aid".
3.1.d.(5)	Personnel monitoring	GWS	09/16/83	OPEN	
3.1.d.(6)	Decontamination	GWS	09/16/83	OPEN	
3.1.d.(7)	Security and site access control	GWS	09/16/83	OPEN	
3.1.d.(8)	Repair/corrective actions	RBW		CLOSED	R- Provided in Module 9, "Emergency Repair and Damage Control".
3.1.d.(9)	Personnel accountability	RBW		CLOSED	R- Provided in Module 1, "Basic CPSES Emergency Plan".
3.1.d.(10)	Radiological accident assessment	RBW		CLOSED	R- Provided in Module 3, "Radiological Accident Assessment".
3.1.d.(11)	Communications	GWS		CLOSED	R- Provided as part of the Module 1, "Basic CPSES Emergency Plan".
3.1.d.(12)	Radiation protection and in-plant radiological surveys	RBW		CLOSED	R- Provided in Module 5, "Dosimetry", and Module 6, "In-Plant Radiological Surveys".

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3.1.d.(13)	Plant chemistry	RBW		CLOSED	R- Provided in Module 8, "Post-Accident Sampling".
3.1.d.(14)	Radwaste operations	GWS	09/16/83	OPEN	C- This area is not currently addressed in the CPSES Emergency Preparedness Training Program curriculum.
3.1.d.(15)	Technical support	GWS	09/16/83	OPEN	
3.1.e	Are training and retraining required at least annually for general employees (i.e., those personnel who normally do not have a function assigned by the CPSES Emergency Plan?	GWS		CLOSED	R- General Employee Emergency Preparedness Training is required by Procedure TRA-105. Procedure TRA-101 requires annual recurrent GET (including Emergency Plan Training) for all employees.
3.1.f	Are training and retraining required at least annually for licensee augmentation personnel (e.g., Corporate personnel)?	DCX		CLOSED	R- Training and retraining requirements for Corporate personnel are set forth in Appendix B to the CERP.
3.1.g	Are training and retraining offered to State and local services support organizations and the news media at least annually?	GLB		CLOSED	R- Procedure TRA-105, Attachment 2, specifies the training to be offered to local services support organizations. The news media will be provided training through annual media backgrounders. The State will provide training to its own personnel.
3.1.h	Where mutual aid agreements exist between local agencies, such as fire, police, and ambulance/rescue units, is training also offered to the other departments who are members of the mutual aid pact?	GLB	09/23/83	OPEN	C- No mutual aid agreements exist between any of the county agencies. Resolution pending receipt of a letter from the State which confirms the fact that no mutual aid agreements exist.
3.1.i	Is there an approved, formal lesson plan for each category of training?	GWS	09/09/83	OPEN	C- Verify the lesson plan approval process with the Nuclear Training Department.
3.1.j	Do the lesson plans have clearly stated student performance objectives?	GWS	09/09/83	OPEN	C- Each training module should list the specific objectives of that training module. Resolution pending the development and approval of all training modules.

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3.1.k	Do the performance objectives provide a basis for a valid test of the individuals' ability to perform their assigned emergency response tasks?	GWS 09/09/83 OPEN	C- The performance objectives set forth in a training module outline the skills that should be developed to properly perform a function. These objectives are tested by evaluation of student performance in the conduct of drills and exercises.
3.1.l	Are the instructors selected and qualified in accordance with established criteria?	GWS CLOSED	R- Instructors are chosen on the basis of knowledge of the subject matter to be presented, and background knowledge and experience.
3.1.m	Are there provisions for documenting (1) the names of the individual attendees, (2) the date, (3) the lesson title, and (4) the name of the instructor for each training session?	DCX CLOSED	R- Training records are maintained in accordance with the provisions of Procedure NQT-104.
3.1.n	Do the training programs consist of lecture-type classroom instruction, and the "hands-on" use of equipment and procedures which attendees may be expected to use in responding to emergencies?	DCX CLOSED	R- Procedure TRA-105 addresses lecture-type classroom instruction. Procedure EPP-104 addresses training drills which provide for "hands on" use of equipment and procedures.
3.1.o	Do the training programs provide that individuals are walked-through or talked-through their emergency response duties, with erroneous performance corrected on-the-spot and additional training and a demonstration of the proper performance provided.	DCX CLOSED	R- This item is addressed in Procedure EPP-104.
3.1.p	Does the training include:		
3.1.p.(1)	Information on what might be expected under unusual plant conditions (e.g., components and areas with high radiation levels, magnitudes of the radiation level increases, and changes in nuclide composition)?	GWS 09/09/83 OPEN	

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3.1.p.(2)	Discussion of the procedures applicable to the functional area?	DCK	CLOSED R- Refer to the training module descriptions contained in Procedure TRA-105, Attachment 1. Development of the various training modules is based upon the applicable procedures.
3.1.p.(3)	A description of the emergency response organization and the relationship of the functional area to the entire organization?	DCK	CLOSED R- Refer to Module 1, "Basic CPSES Emergency Plan".
3.1.p.(4)	Communications?	DCK	CLOSED R- Procedure EPP-104 provides for periodic communications drills, as well as other drills, which allow for the "hands on" use of communications equipment and procedures. Module 1, "Basic CPSES Emergency Plan", addresses notification procedures.
3.1.p.(5)	Limits of authorities and responsibilities?	GWS	CLOSED R- General authorities and responsibilities of key emergency plan positions are addressed in Module 1, "Basic CPSES Emergency Plan". Where applicable, other training modules address the limits of authorities and responsibilities in greater detail.
3.1.p.(6)	Protective action decision-making?	DCK	CLOSED R- This item is addressed in Module 4, "Protective Actions".
3.1.q	Does training of personnel in surveillance under accident conditions include:		
3.1.q.(1)	Use of equipment?	DCK	CLOSED R- The drills and exercises required by Procedure EPP-104 allow for training in the use of equipment under simulated accident conditions. Personnel also receive training in the use of some equipment in conjunction with their routine job functions.

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3.1.q.(2)	Interpretation of results?	DCX	CLOSED	R- The interpretation of results is addressed in the various training modules.
3.1.q.(3)	Personnel access control?	DCX	CLOSED	R- Personnel access controls are addressed in the various training modules.
3.1.q.(4)	Protective action decision-making?	DCX	CLOSED	R- Not applicable. Protective action decision-making will be carried out by management personnel within the CPSES Emergency Organization, not surveillance personnel.
3.1.q.(5)	Special precautions (protective actions) to be implemented?	DCX	CLOSED	R- Special precautions are addressed in Section 4.1, "Precautions", of each Emergency Plan Procedure and are also addressed in the various training modules.
3.1.r	Does training for individuals assigned to licensee first aid teams include Red Cross Standard First Aid-Multimedia?	DCX	CLOSED	R- Module 10, "Basic First Aid", provides for Multi-Media equivalent first aid instruction. This training is made available to selected personnel in accordance with the provisions of Procedure TRA-105.
3.1.s	Does training for hospital and ambulance/rescue personnel, and police and fire departments include the procedures for notifications, basic radiation protection, and their expected roles?	GLB 09/23/83	OPEN	C- Resolution pending completion of the training modules to be offered to county and local offsite support agency personnel (in particular, Module 7, "Station Access").
3.1.t	For those local services support organizations whose personnel will enter the site, does the training also include site access procedures and identification of the individual in the CPSES Emergency Organization who will control their onsite activities?	GLB 09/23/83	OPEN	C- Resolution pending completion of Module 7, "Station Access", which will be offered to county and local offsite support agency personnel.

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3.1.u	Does the training of licensee personnel assigned to the emergency response organization include practical drills and/or tests, without coaching, in which each individual demonstrates his ability to perform his assigned function under accident conditions?	RBW CLOSED	R- Yes. Procedure EPP-104 provides for various drills in which personnel will perform their assigned functions under simulated accident conditions. In such drills, erroneous performance may or may not be corrected on-the-spot by the drill controllers.
3.1.v	Does the training of offsite protective action decision-makers include a discussion of the relationship between plant conditions and protective measures?	GLB CLOSED	R- Yes. This item is addressed in Module 6, "Protective Actions", which was provided to county and local offsite support agency personnel.
3.1.w	Are there provisions to train members of the CPSES Emergency Organization in changes to procedures and equipment which occur in the period between the scheduled training sessions?	DCX CLOSED	R- Procedure TRA-105 includes provisions for training personnel in changes to procedures and equipment which occur in between scheduled training sessions. Such training may be accomplished through special training sessions or pre-drill briefings.
3.1.x	Is the method used for training personnel in changes to procedures and equipment similar to the method used for the basic qualification training program (e.g., lesson plans, "hands-on" use of equipment, and tests)?	DCX CLOSED	R- In addition to annual retraining, periodic drills will be utilized to instruct personnel in changes to procedures, equipment and facilities.
3.1.y	Are there provisions to train non-licensee augmentation personnel (e.g., contractors and vendors) upon arrival onsite in response to a request for assistance, prior to their assimilation into the CPSES Emergency Organization?	DCX CLOSED	R- Plan Section 13.0 mandates satisfactory completion of all required training prior to any individual assuming an emergency plan position. Procedure TRA-105 allows the Emergency Coordinator to waive any required training in an emergency situation.
3.2	Program Implementation		
3.2.a	Do training records indicate that all required training had been completed in the manner required?	GWS 09/23/83 OPEN	C- Resolution requires verification from the Nuclear Training Department.

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3.2.b	Did discussions with licensee and non-licensee emergency response personnel assigned to each of the functional areas of emergency response activity indicate that that the training actually took place?	None	CLOSED C- This item will be addressed as part of the NRC Emergency Preparedness Appraisal.
3.2.c	Was the training content consistent with GWS the content as described in the licensee's records?	09/16/83 OPEN	C- Resolution pending completion of the revised lesson notes and lesson plans for all of the training modules described in Procedure TRA-105.
3.2.d	Did licensee personnel demonstrate, through questioning and observation of their performance, an understanding of their duties?	None	CLOSED C- This item will be addressed as part of the NRC Emergency Preparedness Appraisal.
4.0	EMERGENCY RESPONSE FACILITIES AND EQUIPMENT		
4.1	Emergency Response Facilities		
4.1.1	Assessment Facilities		
4.1.1.1	Control Room		
4.1.1.1.a	Are there updated copies of the CPSES Emergency Plan and Emergency Plan Procedures available in the Control Room?	DLY	CLOSED R- The Station Administration Department is responsible for maintaining controlled copies of the EPP's in the Control Room. The Licensing Department (Dallas) is responsible for maintaining controlled copies of the Plan in the Control Room.
4.1.1.1.b	Are the emergency equipment and decisional aids specified in the CPSES Emergency Plan and Emergency Plan Procedures in place and operable?	DCX 09/16/83 OPEN	
4.1.1.1.c	If a multi-unit site, are common monitor readouts readily available (refer to Item Nos. 4.2.1.2, 4.2.1.3, and 4.2.1.4 below)?	WCC	CLOSED R- Common monitor readouts are available in the Control Room.

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4.1.1.1.d	If a multi-unit site, are there provisions for communications between units (refer to Item No. 4.2.3 below)?	DLY	CLOSED	R- Communications between units is provided by the plant page-party system and the intraplant telephone system. In addition, both units share a common Control Room, thus facilitating face-to-face communications between the operators of both units.
4.1.1.2	Technical Support Center (TSC)			
4.1.1.2.a	Can personnel move safely and easily between the TSC and the Control Room in emergency situations?	DLY	CLOSED	R- Yes. Although the stairwell between the TSC and the Control Room is located outside the TSC/Control Room habitability envelope, respiratory protection equipment and protective clothing are provided in each facility to facilitate personnel movement.
4.1.1.2.b	Is the TSC located close to the Control Room so as to readily provide face-to-face interaction between personnel responsible for Control Room and TSC activities?	DLY	CLOSED	R-Yes. The TSC is located in the observation area above the Control Room on elevation 840'-6", which places that facility in close proximity to the Control Room.
4.1.1.2.c	Is there adequate working space in the TSC for assigned personnel?	DLY	CLOSED	R- The functional working area of the TSC provides approximately 60 sq.ft. of working space for each individual assigned to that facility. An additional 650 sq.ft. of working space is available in the room designated as the NRC Conference Room.
4.1.1.2.d	Are TSC data displays, records, and communications accessible?	DCX 09/16/83	OPEN	C- This item will be evaluated under actual drill conditions.
4.1.1.2.e	Does the TSC have the same radiation shielding capabilities as the Control Room?	DLY	CLOSED	R- Yes. Refer to CPSES FSAR Section 6.4, and FSAR Figures 1.2-33 and 1.2-36.
4.1.1.2.f	Does the TSC ventilation system function in a manner comparable to the Control Room ventilation system?	RBW	CLOSED	R- The TSC is located within the same ventilation system envelope as the Control Room.

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ITEM NO.	IMPLEMENTATION AREA	RESP	COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
4.1.1.2.g	Are particulate (HEPA) and charcoal filters installed in the ventilation system?	DLY		CLOSED	R- Yes. Refer to CPSES FSAR Section 9.4.1 and FSAR Table 9.4-4. The physical installation of the filters has not been verified.
4.1.1.2.h	Are there dedicated individual voice links between the TSC and the Control Room, EDF and NRC (refer to Item No. 4.2.3)?	DCK	09/16/83	OPEN	C- Resolution pending a commitment from the Bell Telephone System regarding the installation of the Emergency Notification System (ENS). With the exception of the ENS, all other lines have been installed.
4.1.1.2.i	Are there at least two (2) commercial telephones dedicated for NRC use?	DLY		CLOSED	R- Yes.
4.1.1.2.j	Is there an operable ENS extension installed in the TSC?	DCK	09/16/83	OPEN	C- No. The NRC had requested that Southwestern Bell install ENS extensions in the TSC and EDF by 07/01/83. A revised commitment date should be ascertained.
4.1.1.2.k	Is there an operable HPN extension installed in the TSC?	DLY		CLOSED	R- No. Per D. Kelley of the NRC, the NRC currently does not require that an HPN extension be installed in the TSC.
4.1.1.2.l	Are there dedicated telephone links between the TSC and the primary local governmental emergency response agencies?	DCK	09/16/83	OPEN	C- The ring-down circuit between CPSES and the State and county EOC's is currently in the process of being tested.
4.1.1.2.m	Are other telephones available for communications between the TSC and other onsite and offsite emergency response facilities, and response agencies and organizations?	DLY		CLOSED	R- Yes.
4.1.1.2.n	Is radio reception available between the TSC and the radiological monitoring field teams?	DCK		CLOSED	R- Yes. A base station for the Field Teams Communicator has been installed in the TSC. The adequacy of radio communications with the out-of-plant radiological monitoring teams has been verified in all applicable drills conducted to date.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
4.1.1.2.o	Does the TSC contain up-to-date records, such as the current plant Technical Specifications, plant operating procedures, emergency operating procedures and FSAR, and drawings, schematics, and diagrams reflecting the current as-built plant conditions?	DCX 09/16/83	OPEN	C- Per S.M. Ward, with the exception of as-built drawings, all of the subject documents will be placed in the TSC.
4.1.1.3	Operations Support Center (OSC)			
4.1.1.3.a	Is the OSC located as stated in the CPSES Emergency Plan and the Emergency Plan Procedures?	DCX	CLOSED	R- Yes. The OSC is located south of the Unit 1 Turbine Building. The OSC Annex is located southwest of the Turbine Building in the Maintenance Building Annex.
4.1.1.3.b	Is the OSC large enough to accommodate the number of assigned personnel?	DCX	CLOSED	R- During the TUGCO Full-Scale Drill, the OSC was found to be too small to support its intended functions. The OSC Annex will now be utilized as the primary onsite personnel and equipment staging area separate from the Control Room and TSC.
4.1.1.3.c	Does the OSC offer personnel protection from direct radiation and airborne contaminants?	DLY	CLOSED	R- No. Refer to Item No. 4.1.1.3.d below.
4.1.1.3.d	If not, are there provisions for backup locations in the event that the primary facility becomes uninhabitable?	DCX 09/02/83	OPEN	C- Should it become necessary, OSC functions would be transferred to the TUGCO Administration Building lunchroom. Resolution of this item pending approval of Procedure EPP-205, Rev. 1.
4.1.1.3.e	Are primary and backup voice communications links provided between the OSC, Control Room, and TSC?	DLY	CLOSED	R- Yes.
4.1.1.4	Emergency Operations Facility (EOF)			
4.1.1.4.a	Are there provisions for an EOF from which direction, evaluation, and coordination of all emergency response activities will be performed?	RBW	CLOSED	R- The EOF is located onsite at the Nuclear Operations Support Facility.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
4.1.1.4.b	Is the location of the EDF as specified in the CPSSES Emergency Plan?	RBW	CLOSED	R- Yes.
4.1.1.4.c	Does the EDF provide adequate working space for assigned personnel?	DLY	CLOSED	R- The functional working area of the EDF provides approximately 79 sq.ft. of working space for each individual assigned to that facility.
4.1.1.4.d	Is space available for a limited number of news media personnel at the EDF (refer to Item Nos. 4.1.4 and 6.3)?	DLY	CLOSED	R- No. News media personnel will be accommodated at the News Center. If approved by the Emergency Coordinator, a limited number of news media personnel may be permitted access to the EDF.
4.1.1.4.e	Is the EDF equipped as stated in the CPSSES Emergency Plan and Emergency Plan Procedures?	DCX 09/16/83	OPEN	
4.1.1.4.f	Are the equipment and supplies available in the EDF adequate for the EDF to perform its mission? Such equipment and supplies may include:			
4.1.1.4.f.(1)	Low-range GM beta/gamma survey meters.	DCX 09/16/83	OPEN	
4.1.1.4.f.(2)	Low-range ion chamber beta/gamma survey meters.	DCX 09/16/83	OPEN	
4.1.1.4.f.(3)	High-range gamma survey meters.	DCX 09/16/83	OPEN	
4.1.1.4.f.(4)	Air samplers with the capability for particulate and radioiodine sampling.	DLY	CLOSED	R- Yes. A Nuclear Measurements Corporation Constant Air Monitor is located in the EDF for the purpose of monitoring airborne particulate, radioiodine and noble gas activity in that facility.
4.1.1.4.f.(5)	Sample counting equipment.	DCX 09/16/83	OPEN	
4.1.1.4.f.(6)	Personnel dosimetry (e.g., TLD's, film badges, and high-range direct reading dosimeters).	DCX 09/16/83	OPEN	

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4.1.1.4.f.(7)	Check sources or calibration sources.	DCX	09/16/83	OPEN
4.1.1.4.f.(8)	Copies of the CPSES Emergency Plan and the Emergency Plan Procedures.	DLY	CLOSED	R- Yes. Copies of the CPSES Emergency Plan and Emergency Plan Procedures have been placed in the EDF library.
4.1.1.4.f.(9)	State and local emergency response plans and associated implementing procedures.	DLY	CLOSED	R- Copies of the State and county emergency response plans and associated implementing procedures have been placed in the EDF library.
4.1.1.4.f.(10)	Site map marked with cardinal polar coordinates, and divided into 22.5-degree sectors, which covers the Plume Exposure EPZ with markings to denote the preselected radiological monitoring points, TLD locations, and environmental air sampling stations.	DLY	CLOSED	R- Yes.
4.1.1.4.f.(11)	Emergency organization assignment board with team designations and emergency response personnel assignments.	DCX	09/16/83	OPEN
4.1.1.4.f.(12)	Applicable sections of the CPSES FSAR and CPSES Environmental Report.	DLY	CLOSED	R- Yes. Copies of the CPSES FSAR and CPSES Environmental Report have been placed in the EDF library.
4.1.1.4.f.(13)	Isopleths.	DLY	CLOSED	R- Yes. The isopleths are included as part of the Dames and Moore Assessment Kit.
4.1.1.4.f.(14)	As-built plant layout drawings (schematics and drawings showing the condition of plant structures and systems, and pipe and valve locations) and sufficient models, photos, and plant layouts to support planning and training for reentry operations.	DCX	09/16/83	OPEN
4.1.1.4.f.(15)	Writing materials and notepads.	DLY	CLOSED	R- Yes. These items, as well as other office supplies, will be obtained from the existing NOSF inventory.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
4.1.1.4.f.(16)	Readout of the Station meteorology.	DCK 09/16/83	OPEN	
4.1.1.4.f.(17)	First aid kits and decontamination supplies.	DCK 09/16/83	OPEN	
4.1.1.4.f.(18)	Clock.	DLY	CLOSED R- Yes.	
4.1.1.4.f.(19)	Protective equipment for emergency response personnel (e.g., respirators and protective equipment).	DCK 09/16/83	OPEN	
4.1.1.4.g	Does the EDF have dedicated voice communications with the TSC and the Control Room?	DLY	CLOSED R- Yes.	
4.1.1.4.h	Are there sufficient non-dedicated voice communications links to provide access to the NRC, and other Federal, State and local agencies and emergency response support organizations?	DLY	CLOSED R- Yes.	
4.1.1.4.i	Have mobile communications links (e.g., radios) been provided for communications with the radiological monitoring field teams?	DLY	CLOSED R- A base station and antenna have been installed at the EDF to permit communications with the radiological monitoring field teams.	
4.1.1.4.j	Have reliable back-up means of communications been provided?	DLY	CLOSED R- Yes.	
4.1.1.4.k	Are there at least two (2) commercial telephones designated for NRC use?	DLY	CLOSED R- Yes.	
4.1.1.4.l	Is there a working ENS extension installed at the work station assigned to the NRC in the EDF?	DCK 09/16/83	OPEN	C- No. Refer to Item No. 4.1.1.2.j above.
4.1.1.4.m	Is there a working HPN extension at the work station assigned to the NRC in the EDF?	DLY	CLOSED R- Yes.	
4.1.1.5	Post-Accident Reactor Coolant Sampling and Analysis			

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS	DATE	RESOLUTION/COMMENTS
4.1.1.5.a	Is the location of the post-accident reactor coolant sampling area accessible during accident conditions (i.e., would the user have to traverse or work in very high radiation fields to obtain the sample)?	SEB	CLOSED	R- Yes. The post-accident dose maps indicate that this location is classified as a Radiation Zone III area. Refer to FSAR Figure No. 11.B.2-3.
4.1.1.5.b	Is the design and shielding of the reactor coolant sampling area and the sample lines such that radiation doses received by the user while taking the sample are ALARA?	SEB	CLOSED	R- Yes. Refer to flow diagram M1-228-01 and technical manual CPF-3749-003.
4.1.1.5.c	Is the sampling area monitored?	SEB	CLOSED	R- Yes. Area Radiation Monitor IRE-6261. In addition, the sampling station is equipped with an internal radiation monitor (refer to technical manual CPF-3749-003).
4.1.1.5.d	Are there shielded liquid sample containers and remote handling tools provided for use in transporting samples?	SEB	CLOSED	R- Yes. Refer to technical manual CPF-3749-003. This equipment is normally stored in the Hot Lab (Room 30).
4.1.1.5.e	Will the sample analysis facility be accessible during accident conditions?	SEB	CLOSED	R- Yes. The post-accident dose maps indicate that this location, the Count Room (Room 29), is classified as a Radiation Zone I area. Refer to FSAR Figure No. 11.B.2-12.
4.1.1.5.f	Are the instruments (e.g., multi-channel analyzers) and detectors used for analysis, which are described in the relevant procedure, in-place (refer to Item No. 5.4.2.5)?	SEB	CLOSED	R- Yes. The Count Room (Room 29) is equipped with a Ge-Li detector, scintillation counter and proportional counters. Refer to Procedure CHM-512.
4.1.1.5.g	Are other equipment and tools (e.g., micro pipettes and syringes), which are described in the relevant procedure, available (refer to Item No. 5.4.2.5)?	SEB	CLOSED	R- Yes. This equipment is normally stored in the Hot Lab (Room 30). Refer to the General Dynamics technical manual CPF-3749-003.
4.1.1.5.h	Does the sampling technique provide for a representative sample (refer to Item No. 5.4.2.5)?	SEB	CLOSED	R- Yes. Refer to flow diagrams M1-228 and M1-228-01.

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ITEM NO.	IMPLEMENTATION AREA	RESP	COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
4.1.1.5.i	Can the sample measurement and analysis be performed within three (3) hours?	SEB	09/23/83	OPEN	C- This item will be verified under actual drill conditions.
4.1.1.6	Post-Accident Containment Atmosphere Sampling and Analysis				
4.1.1.6.a	Is the location of the post-accident containment atmosphere sampling equipment accessible during accident conditions?	SEB		CLOSED	R- Yes. Refer to Item No. 4.1.1.5.a above.
4.1.1.6.b	Is the design and shielding of the sampling area equipment and the sampling lines such that radiation doses received by the user while collecting the sample are ALARA?	SEB		CLOSED	R- Yes. Refer to flow diagram MI-301 and technical manual CPF-3749-004.
4.1.1.6.c	Is the sampling area monitored?	SEB		CLOSED	R- Yes. Area Radiation Monitor IRE-6261. In addition, the sampling station is equipped with an internal radiation monitor (refer to technical manual CPF-3749-004).
4.1.1.6.d	Are there remote handling tools and shielded containers provided for use in transporting the sample?	SEB		CLOSED	R- Yes. Refer to technical manual CPF-3749-004. This equipment is normally stored in the Hot Lab (Room 30).
4.1.1.6.e	Is the sample analysis facility accessible during accident conditions?	SEB		CLOSED	R- Yes. Refer to Item No. 4.1.1.5.e above.
4.1.1.6.f	Are the instruments and detectors, which are described in the relevant procedure, in-place (refer to Item Nos. 5.4.2.6 and 5.4.2.7)?	SEB		CLOSED	R- Yes. The Count Room (Room 29) is equipped as described in Item No. 4.1.1.5.f above. Refer to Procedure CHM-515.
4.1.1.6.g	Are other equipment, filter media, and handling devices, which are described in the relevant procedures, readily available (refer to Item Nos. 5.4.2.6 and 5.4.2.7)?	SEB		CLOSED	R- Yes. This equipment is normally stored in the Hot Lab (Room 30). Refer to the General Dynamics technical manual CPF-3749-004.

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4.1.1.6.h	Does the sampling technique provide for a representative sample (refer to item No. 5.4.2.6)?	SEB	CLOSED	R- Yes. Refer to flow diagram M1-300.
4.1.1.6.i	Can the sample measurement and analysis be performed within three (3) hours?	SEB	09/23/83 OPEN	C- This item will be verified under actual drill conditions.
4.1.1.7	Post-Accident Gas and Particulate Effluent Sampling and Analysis			
4.1.1.7.a	Is the location of the post-accident gas and particulate effluent sampling area accessible during accident conditions?	SEB	CLOSED	R- Yes. The post-accident dose maps indicate that this location is classified as a Radiation Zone II area. Refer to FSAR Figure No. 11.B.2-19.
4.1.1.7.b	Is the sampling area monitored?	SEB	CLOSED	R- Yes. Area Radiation Monitor IRE-6298.
4.1.1.7.c	Are there shielded sample containers and remote handling tools provided for use in transporting the sample?	SEB	CLOSED	R- PASS containers could be utilized to transport the sample. This item is further addressed in Procedure CLI-900.
4.1.1.7.d	Is the sample analysis facility accessible during accident conditions?	SEB	CLOSED	R- Yes. The post-accident dose maps indicate that this location, the Count Room (Room 29), is classified as a Radiation Zone I area. Refer to FSAR Figure No. 11.B.2-12.
4.1.1.7.e	Are the instruments and detectors used for analysis, which are described in the relevant procedure, in-place (refer to item No. 5.4.2.9)?	SEB	CLOSED	R- Yes. This equipment is normally stored in the Count Room (Room 29).
4.1.1.7.f	Are other equipment and tools, which are described in the relevant procedures, available (refer to item No. 5.4.2.9)?	SEB	CLOSED	R- Yes. The sample transport pigs and micro-volume extraction equipment are available.
4.1.1.7.g	Does the sampling technique provide for a representative sample (refer to item No. 5.4.2.9)?	SEB	CLOSED	R- This item is addressed in Procedure CLI-900.
4.1.1.7.h	Can the sample measurement and analysis be performed within three (3) hours?	SEB	09/23/83 OPEN	C- This item will be verified under actual drill conditions.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS	DATE	RESOLUTION/COMMENTS
4.1.1.8	Post-Accident Liquid Effluent Sampling and Analysis			
4.1.1.8.a	Is the location of the liquid effluent sampling area accessible during accident conditions?	SEB		CLOSED R- Yes. The post-accident dose maps indicate that this location is classified as a Radiation Zone III area. Refer to FSAR Figure No. 11.8.2-15.
4.1.1.8.b	Is the sampling area monitored?	SEB		CLOSED R- No. Procedure CLI-900 requires a survey of the area by Radiation Protection personnel prior to entry into that area.
4.1.1.8.c	Are there shielded liquid sample containers and remote handling tools provided for transporting the sample?	SEB		CLOSED R- A listing of the required equipment is provided in Procedure CLI-900.
4.1.1.8.d	Is the sample analysis facility accessible during accident conditions?	SEB		CLOSED R- Yes. The post-accident dose maps indicate that this location, the Count Room (Room 29), is classified as a Radiation Zone I area. Refer to FSAR Figure No. 11.8.2-12.
4.1.1.8.e	Are the instruments and detectors, which are described in the relevant procedure, in-place (refer to Item No. 5.4.2.10)?	SEB		CLOSED R- Yes. This equipment is normally stored in the Count Room (Room 29) and the NOSF.
4.1.1.8.f	Are other equipment and tools, which are described in the relevant procedures, available?	SEB		CLOSED R- Yes. The sample transport pigs and micro-volume extraction equipment are available.
4.1.1.8.g	Does the sampling technique provide for a representative sample (refer to Item No. 5.4.2.10)?	SEB		CLOSED R- This item is addressed in Procedure CLI-900.
4.1.1.8.h	Can the sample measurement and analysis be performed within three (3) hours?	SEB	09/23/83	OPEN C- This item will be addressed under actual drill conditions.
4.1.1.9	Offsite Laboratory Facilities			CLOSED R- All items within this subsection have been closed out.
4.1.1.9.a	Are there provisions for fixed or mobile laboratory facilities for offsite radiological monitoring and analysis?	SEB		CLOSED R- Yes. The fixed laboratory facilities include those at the NOSF and at Texas A&M University. A mobile laboratory facility will be provided by the Texas Department of Health, Bureau of Radiation Control.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS	DATE	RESOLUTION/COMMENTS
4.1.1.9.b	Is this laboratory capability provided by dedicated instrumentation or is the instrumentation taken from onsite facilities during emergencies?	SEB	CLOSED	R- The instrumentation maintained in the NOSF laboratory facilities is dedicated for use during emergency situations. The mobile laboratory provided by the State of Texas is primarily used in response to emergency situations throughout the State.
4.1.1.9.c	Is the instrumentation for this laboratory maintained, calibrated, routinely checked, and repaired or replaced promptly (refer to Item No. 5.5.1)?	SEB	CLOSED	R- The laboratory facilities at the NOSF are normally used for training purposes. The Texas A&M University and State of Texas facilities are used on a routine basis.

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4.1.2	Protective Facilities			
4.1.2.1	Assembly/Reassembly Areas			
4.1.2.1.a	Are the shelter or assembly areas located as specified in the CPSES Emergency Plan and Emergency Plan Procedures?	DCX	CLOSED	R- Yes. Refer to Procedures EPP-209 and EPP-210.
4.1.2.1.b	Do the locations selected consider those features that will ensure their adequacy with respect to:			
4.1.2.1.b.(1)	Capacity for accommodating the number of persons expected?	DCX	11/04/83 OPEN	C- This item will be verified under actual drill conditions. An assembly/accountability/evacuation drill will be conducted as part of the TUGCO Full-Scale Drill II to be conducted on 11/02/83.
4.1.2.1.b.(2)	Shielding?	GLB	CLOSED	R- Shielding was not a relevant consideration in the selection of the assembly areas.
4.1.2.1.b.(3)	Ventilation?	GLB	CLOSED	R- Ventilation was not a relevant consideration in the selection of the assembly areas.
4.1.2.1.b.(4)	Inventory of supplies (e.g., respiratory protection, protective clothing, portable lighting, and communications equipment)?	DCX	09/16/83 OPEN	
4.1.2.1.c	If the primary assembly areas are onsite, are there assembly areas offsite in the event of a site evacuation?	DCX	CLOSED	R- If personnel monitoring is required, alternate (offsite) assembly areas for site evacuees will be determined by the radiological conditions existing at that time.
4.1.2.2	Medical Treatment Facilities		CLOSED	R- All items listed below have been closed out.

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4.1.2.2.a	Are the onsite provisions for the treatment of individuals, who may be injured and contaminated, consistent with the descriptions in the CPSES Emergency Plan and Emergency Plan Procedures?	GLB	CLOSED	R- Yes. First aid facilities are provided in the Decontamination Room (Room 22). First aid supplies are stored in a storage closet next to the Decontamination Room.
4.1.2.2.b	Are there provisions for unfettered, immediate access?	GLB	CLOSED	R- Yes.
4.1.2.2.c	Is the facility accessible to a stretcher being carried by two individuals?	GLB	CLOSED	R- Yes. The Decontamination Room (Room 22) is accessible to a stretcher being carried by two individuals.
4.1.2.2.d	Does the facility contain first-aid equipment and supplies, and is there ready access to supplies and facilities for personnel decontamination?	GLB	CLOSED	R- The storage closet next to the Decontamination Room (Room 22) contains a trauma kit, splint set, oxygen resuscitator, back board and stretcher. A folding stretcher is maintained in the Decontamination Room.
4.1.2.2.e	Is the facility located near the controlled area?	GLB	CLOSED	R- Yes. The first aid facilities are located adjacent to the Turbine Building and near the Radiation Controlled Area access point.
4.1.2.2.f	Does the facility have an operable, calibrated personnel contamination survey instrument?	GLB	CLOSED	R- Personnel contamination survey instruments are maintained in the Radiation Protection office.
4.1.2.2.g	Are there communications available (e.g., telephone or plant page-party)?	GLB	CLOSED	R- Yes. Communications are available in the Radiation Protection office which is located across the hall from the Decontamination Room.
4.1.2.2.h	Are procedures for treatment and decontamination available (refer to Item Nos. 5.4.3.4 and 5.4.3.5)?	GLB	CLOSED	R- Procedures for treatment and decontamination are maintained in the Radiation Protection office.
4.1.2.2.i	Are emergency dosimetry capabilities available?	GLB	CLOSED	R- No. The availability of emergency dosimetry in the in-plant first aid/medical treatment facility has not been considered since personnel working in this area will be wearing, as a minimum, routine dosimetry.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
4.1.2.2.j	Are supplies of KI available to both licensee and offsite emergency workers for thyroid blocking?	GLB	CLOSED R- Supplies of KI are not maintained in the first aid/medical treatment facilities. However, supplies of KI are maintained in the Emergency Kits and Emergency Lockers, and at the EDF.
4.1.2.3	Decontamination Facilities		
4.1.2.3.a	Are there provisions for decontamination, including adequate instrumentation, in close proximity to the onsite medical treatment facility?	GLB	CLOSED R- Yes. The medical treatment and decontamination facilities are colocated in the Decontamination Room (Room 22).
4.1.2.3.b	Are there provisions for decontamination DCK at each personnel assembly/reassembly area?		CLOSED R- In-plant decontamination facilities are located near the Radiation Controlled Area access point in the Decontamination Room (Room 22). Additional decontamination facilities are located at the Nuclear Operations Support Facility.
4.1.2.3.c	Are there copies of decontamination procedures readily available at each location?	DCK 09/16/83	OPEN
4.1.2.3.d	Is there a source of water and available decontaminants (e.g., versene, carbasol, or potassium permanganate) consistent with those described in the procedures?	DCK 09/16/83	OPEN C- Inventory lists for decontaminants should be addressed in Procedure EPP-107.
4.1.2.3.e	Are there provisions for the disposal of solid and liquid wastes?	DCK 09/16/83	OPEN
4.1.2.3.f	Are there provisions for replacement clothing?	DCK 09/16/83	OPEN
4.1.3	Expanded Support Facilities		
4.1.3.a	Does the licensee have designated work facilities and resources available for corporate, contractor and non-licensee augmentation personnel?	DCK 09/16/83	OPEN

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ITEM NO.	IMPLEMENTATION AREA	RESP	COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
4.1.3.b	Are there communications available in these areas (refer to Item No. 4.2.3)?	DCK	09/16/83	OPEN	
4.1.4	News Center				
4.1.4.a	Are there provisions for a news media center?	RBW		CLOSED	R- The News Center is located onsite at the Nuclear Operations Support Facility (NOSF). Within the NOSF, the News Center encompasses the lobby display area, auditorium, and public viewing room.
4.1.4.b	Do the provisions include arrangements with suppliers and contractors for the following:				
4.1.4.b.(1)	Telephone service?	DCK	08/26/83	OPEN	C- Resolution pending actual installation/placement of the telephones in the News Center.
4.1.4.b.(2)	Electrical power supplies to carry added TV load?	DLY		CLOSED	R- The NOSF electrical power supplies are deemed to be adequate to support the News Center's activities.
4.1.4.b.(3)	Copying?	DLY		CLOSED	R- Existing equipment at the NOSF will be utilized to support emergency response document reproduction requirements.
4.1.4.b.(4)	Public address system?	DLY		CLOSED	R- A public address system is installed in the auditorium area of the News Center.
4.1.4.b.(5)	Audio-visual equipment (e.g., screen projectors)?	DLY		CLOSED	R- As necessary, audio-visual equipment will be obtained from the existing NOSF inventory.
4.1.4.b.(6)	Security (e.g., news media badging and crowd control)?	DLY		CLOSED	R- Per procedure EPP-207, news media personnel will be registered and badged at the News Center. Per Procedure EPP-208, a Security Officer will be dispatched to provide building security and crowd control at the NOSF/News Center.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
4.1.4.c	Is the news center large enough to accommodate the expected number of news media representatives?	DLY	CLOSED R- The auditorium in the News Center will accommodate 75 news media personnel. Additional space is available for the news media's use in the lobby display area and the public viewing room in the News Center.
4.2	Emergency Equipment		
4.2.1	Assessment Equipment		
4.2.1.1	Emergency Kits and Emergency Survey Instrumentation (refer to Item No. 5.5.1 for interfacing area)		
4.2.1.1.a	Does the licensee reserve pre-positioned supplies and survey instrumentation at specified locations or in kits for use only during emergencies?	DLY	CLOSED R- Yes. Refer to Procedure EPP-107.
4.2.1.1.b	Are the kits, equipment and supplies located as specified in the CPSSES Emergency Plan and Emergency Plan Procedures?	DCX 09/16/83	OPEN
4.2.1.1.c	Would each emergency response team provided for in the plan and procedures have ready access to all instrumentation, equipment and supplies (assessment and protective) described in those procedures applicable to their emergency response duties?	DCX 09/16/83	OPEN
4.2.1.1.d	Are the inventories correct?	DCX 09/16/83	OPEN
4.2.1.1.e	Is the equipment operable?	DCX 09/16/83	OPEN
4.2.1.1.f	Does the equipment to be used for reentry operations include provisions for extremity monitoring, and the detection and measurement of beta and gamma radiation fields?	CLM	CLOSED R- Procedure EPP-107 addresses provisions for extremity badges, high- and low-range PIC's, and appropriate dose rate and count rate instrumentation. Procedure EPP-121 directs that reentry team personnel wear the appropriate dosimetry.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
4.2.1.1.g	Does the instrumentation used for emergency environmental surveys have the capability to detect and measure radioiodine concentrations in air of at least $1E-07$ uCi/cc under field conditions in any kind of weather?	CLW 09/16/83	OPEN	C- Instrumentation capabilities should also be unaffected by the presence of noble gases and resulting background radiation.
4.2.1.1.h	Does the instrumentation used for emergency environmental surveys have the capability to detect and measure particulate activity in air of $1E-09$ uCi/cc (Cs-137 equivalent) without regard to the background radiation?	CLW	CLOSED	R- When used in accordance with the provisions of Procedure EPP-309, a properly maintained Ludlum Model 177 count rate instrument equipped with an HP-210 probe will provide this capability.
4.2.1.1.i	Are portable ion chamber instruments with beta/gamma distinguishing capability used for measuring whole body dose rates in-plant, onsite, and offsite?	CLW	CLOSED	R- Portable dose rate instrumentation and high- and low-range PIC's are made available at each emergency response facility and to each radiological monitoring field team. Refer to Procedure EPP-107.
4.2.1.1.j	Are GM instruments with beta/gamma distinguishing capability used for detecting contamination on individuals and in the environment?	CLW 09/16/83	OPEN	C- GM count rate instruments with beta/gamma distinguishing capability will be made available at each emergency response facility and to the radiological monitoring field teams. Resolution pending SORC approval of Procedure EPP-107.
4.2.1.1.k	Do the contents of the emergency kits provide sufficient numbers of instruments and supplies to equip the various teams for their intended functions (e.g., high-range, direct-reading dosimeters for onsite reentry and survey teams)?	DCX	CLOSED	R- Based upon their use under drill conditions, the emergency kits' inventories appear to be adequate.
4.2.1.1.l	Is there an in-plant capability for detecting airborne iodine in the presence of noble gases?	CLW	CLOSED	Gaseous iodine monitors are installed in each of the plant vent stacks. In addition, constant air monitors will be placed in-plant and at each emergency response facility.

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ITEM NO.	IMPLEMENTATION AREA	RESP	COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
4.2.1.1.m	If keys are needed for access to the environmental monitoring points, are the keys readily available in the kits?	CLW	CLOSED	R- All keys required for access to the environmental monitoring points have been placed in the Emergency Kits for the Offsite Monitoring Teams. Attachment 6 of Procedure EPP-107 includes a listing of all keys provided in these Emergency Kits.
4.2.1.1.n	Are these instruments properly maintained on a routine schedule (refer to Item No. 5.5.1)?	CLW	CLOSED	R- The maintenance frequencies of the various instruments are addressed in Procedures EPP-107 and HPT-800.
4.2.1.1.o	Are operability and calibration checks performed (refer to Item No. 5.5.1)?	CLW	CLOSED	R- Operability and calibration checks are addressed in Procedure EPP-107. Calibrations are tracked using the MODS computer per Procedure HPT-800. Operability checks are performed per Procedure HPT-801.
4.2.1.1.p	Are these checks and calibration accurate (refer to Item No. 5.5.1)?	CLW	CLOSED	R- Accurate instrument readings will be obtained if the appropriate HPI- Notebook calibration procedures are performed (e.g., by exposing the RO-2 ion chamber to gamma fields of known intensities as measured by a Victoreen Precision Electrometer).
4.2.1.1.q	Are inoperable instruments promptly repaired or replaced?	CLW	CLOSED	R- Procedure EPP-107 requires the replacement of inoperable instruments within 24 hours.
4.2.1.1.r	Are there written procedures for the calibration of all of the types of emergency radiological monitoring instruments (refer to Item No. 5.5.1)?	CLW	CLOSED	R- Calibration procedures for each type of instrumentation are provided in the HPI- Notebook.
4.2.1.2	Area and Process Radiation Monitors			
4.2.1.2.a	Are the area and process radiation monitors, which are described in the plan and procedures as being relied upon for detection, classification and assessment of an emergency condition, in-place and operable?	WCC	09/16/83 OPEN	U- Installation of the Area Radiation Monitoring System (ARMS) and Process Radiation Monitoring System (PRMS) is complete. Numerous problems have delayed calibration and startup testing of these systems.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
4.2.1.2.b	Are all such monitor readouts located in the Control Room? If not, where?		CLOSED	R- All detectors are accessed by the RM-11 which is located in the Control Room. The RM-23's are also located in the Control Room.
4.2.1.2.c	If all monitor readouts required for accident assessment are not located in the Control Room, would those monitor readouts located outside the Control Room be accessible under accident conditions?	WCC	CLOSED	R- All monitor readouts which are required for accident assessment are located in the Control Room.
4.2.1.2.d	Do the monitors have operating characteristics (e.g., range, operating temperature, and humidity) consistent to assess the accident conditions for which the plan is designed to cope with (have these operating conditions been certified by the vendor)?	WCC	CLOSED	R- The Digital Radiation Monitoring System (DRMS) has been designed to operate in extreme accident environments. This capability has been certified by the vendor, General Atomics.
4.2.1.2.e	Are the sensors of all of the monitors located such that their readouts would accurately reflect their intended use (e.g., could these monitors be affected by elevated background radiation levels)?	WCC 09/16/83	OPEN	C- The PRMS detectors appear to be properly located. However, some of the ARMS detectors do not appear to be properly located (e.g., the detectors for the Chemistry Hot Lab and the Hot Sample Sink Room). The ARMS detector locations should be reviewed.
4.2.1.2.f	Are calibrations performed across the entire response range (i.e., does the licensee have the capability to extrapolate instrument response from enough data points)?	WCC 09/16/83	OPEN	C- Each area radiation monitor will be calibrated across the entire response range. Discussions regarding how to perform the calibration of the process radiation monitors continue between the NRC and TUGCO.
4.2.1.2.g	Are detector efficiencies obtained for all monitors, such that conversion factors from the readouts (e.g., cpm or R/hr) accurately represent radioactive concentrations or release rates?	WCC	CLOSED	R- All conversion factors have been included in the DRMS software package. Manual input of conversion factors is not required. Depending upon the type of monitor, the monitor readout will be in units of R/hr, uCi/cc, or Ci/sec.

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ITEM NO.	IMPLEMENTATION AREA	RESP	COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
4.2.1.2.h	For a two (2)-unit site, are the locations and types of common monitors such that both units have equal accessibility to the readouts?	WCC		CLOSED	R- Yes. Both units will be polled by the RM-11's which are located in the Control Room.
4.2.1.2.i	Are these instruments properly maintained on a routine schedule (refer to Item No. 5.5.1)?	WCC	09/16/83	OPEN	C- This item cannot be verified at this time. However, the ARMS and PRMS will be subjected to monthly analog checks/calibrations. In addition, all channels will be calibrated during each refueling outage.
4.2.1.2.j	Are operability and calibration checks performed (refer to Item No. 5.5.1)?	WCC	09/16/83	OPEN	C- This item cannot be verified at this time (refer to Item No. 4.2.1.2.i above). Operability and calibration checks will be performed when the ARMS and PRMS are turned over to TUGCO.
4.2.1.2.k	Are these checks and calibrations adequate (refer to Item No. 5.5.1)?	WCC	09/16/83	OPEN	C- This item cannot be verified at this time (refer to Item No. 4.2.1.2.i above).
4.2.1.2.l	Are inoperable instruments promptly repaired or replaced?	WCC	09/16/83	OPEN	C- This item cannot be verified at this time (refer to Item No. 4.2.1.2.i above).
4.2.1.2.m	Are there written procedures for calibration of all of the types of monitors (refer to Item No. 5.5.1)?	WCC	09/16/83	OPEN	C- Each monitor/detector will be calibrated in accordance with its own, separate I&C procedure (-4000 series or -7000 series). To date, only 87 of 91 procedures have been approved.
4.2.1.2.n	Is there vital or redundant power supplied to these monitors?	WCC		CLOSED	R- Each detector/monitor is powered from a vital power source. In addition, each detector/monitor is equipped with batteries to retain stored information for up to 8 hours. However, while on battery power, new data cannot be acquired.
4.2.1.3	Non-Radiation Process Monitors				

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
4.2.1.3.a	Are the process monitors, which are described in the plan and procedures as being relied upon for detection, classification and assessment of an emergency condition, in-place and operable?	WCC 09/16/83	OPEN	C- Installation and testing of the non-radiation process monitors are in progress.
4.2.1.3.b	Are all such monitor readouts located in the Control Room?	WCC 09/16/83	OPEN	
4.2.1.3.c	Are the monitor readouts readily observable?	WCC 09/16/83	OPEN	
4.2.1.4	Meteorological Instrumentation			
4.2.1.4.a	Do the meteorological instruments provide the basic parameters required by the CPSES Emergency Plan and Emergency Plan Procedures?	WCC	CLOSED	R- Yes. The meteorological instruments will measure wind speed, wind direction, and delta T, as well as other parameters.
4.2.1.4.b	Are all of the instruments (e.g., sensors and readouts) operable and calibrated?	WCC 09/23/83	OPEN	C- Turnover of the Meteorological Monitoring System is scheduled to be completed by 09/02/83. Following turnover of the system to TUGCO, startup testing is expected to take two to three weeks to complete.
4.2.1.4.c	Are the meteorological instrument readouts located in the Control Room and in other locations (e.g., the TSC and EDF) such that they are readily accessible to the users?	WCC	CLOSED	R- All instrument readouts are readily accessible in the Control Room. Meteorological information is also inputted to the RM-21 and the ERF Computer.
4.2.1.4.d	Are there provisions for obtaining meteorological information for followup messages from the plant to offsite authorities (refer to Item No. 5.4.1 for interfacing area)?	WCC	CLOSED	R- Yes. The "Followup Message to Offsite Organizations" form (refer to Procedure EPP-203) requires that certain meteorological parameters be entered on that form and provided to offsite authorities.
4.2.1.4.e	Are there provisions for obtaining representative, real-time meteorological information for dose projections and protective action decision-making in the event that the onsite primary system becomes inoperable?	WCC	CLOSED	R- In the event that the primary meteorological monitoring system becomes inoperable, the backup meteorological monitoring system will provide the necessary real-time information required to complete dose projections and protective action decisions.

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4.2.1.4.f	Is equipment installed to inform the licensee that tornadoes, hurricanes, or high winds have occurred or may occur at or near the site?	WCC	CLOSED	R- Meteorological information regarding local conditions is continuously recorded in the Control Room. Equipment capable of forecasting meteorological conditions will not be installed at CPSES.
4.2.1.4.g	Is there adequate assurance that the data unavailability goals can be obtained?	WCC	CLOSED	R- On backup battery power, the primary meteorological monitoring system is capable of operating for two (2) hours, and the backup meteorological monitoring system is capable of operating for four (4) hours.
4.2.1.4.h	Are operability checks performed on an adequate frequency (refer to Item No. 5.5.1 for interfacing area)?	WCC	09/23/83 OPEN	C- This item cannot be verified at this time. However, Procedure OPT-102 requires once-per-shift system operability checks and semi-annual calibrations.
4.2.1.4.i	Are these checks and calibrations adequate?	WCC	09/23/83 OPEN	C- This item cannot be verified at this time. However, the prescribed operability checks and calibration procedures appear to be adequate.
4.2.1.4.j	Is inoperable instrumentation detectable and promptly restored?	WCC	09/23/83 OPEN	C- Once identified, inoperable instrumentation will be restored or replaced in accordance with the provisions of Procedure ____.
4.2.1.4.k	Are there written procedures for calibration (refer to Item No. 5.5.1)?	WCC	09/16/83 OPEN	C- Resolution pending SQRC approval of the applicable calibration procedures. Eight (8) calibration procedures are expected to be completed by 09/09/83.
4.2.1.4.l	Are the meteorological data and forecasts appropriately integrated into the radiological assessment/dose projection procedures (refer to Item No. 5.4.2 for interfacing area)?	WCC	CLOSED	R- Procedure EPP-302 addresses the use of meteorological data and forecasts in the performance of annual dose projection calculations.
4.2.2	Protective Equipment			

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ITEM NO.	IMPLEMENTATION AREA	RESP	COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
4.2.2.1	Respiratory Protection				
4.2.2.1.a	Are self-contained breathing apparatus (SCBA) devices reserved for emergency use?	DLY		CLOSED	R- Yes. Refer to Procedure EPP-107.
4.2.2.1.b	Is there a capability for refilling SCBA devices, and would this equipment be useable under conditions in which the in-plant areas have high airborne or direct levels of radiation?	DCX	09/16/83	OPEN	
4.2.2.2	Protective Clothing				
4.2.2.2.a	Are there stores of protective clothing reserved for emergency use?	DLY		CLOSED	R- Yes. Refer to Procedure EPP-107.
4.2.2.2.b	Would the stores be accessible under emergency conditions?	DCX	09/16/83	OPEN	
4.2.3	Emergency Communications Equipment				
4.2.3.a	Are the onsite and offsite communications equipment located as specified in the plans and procedures, including equipment for notifying and instructing the public?	DCX	09/23/83	OPEN	C- Resolution pending completion of the installation and testing of the ring-down circuit.
4.2.3.b	Are there specified alarms having specific meanings (e.g., a radiation emergency alarm, an evacuation alarm, or a fire alarm)?	SEB		CLOSED	R- Technical manual CP-0475-002 describes the radiation emergency, fire and evacuation alarms which are incorporated as part of the plant page-party system.
4.2.3.c	Are the alarms and other communications devices operable?	SEB	08/26/83	OPEN	C- The Gai-Tronics system is currently undergoing preoperational testing (PT-12-04).
4.2.3.d	Are aural alarms audible in high noise areas, and are visual alarms visible in restricted view areas?	SEB	09/02/83	OPEN	C- Preoperational testing will determine those high-background noise areas in-plant which will require the back-fitting of visual alarms.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
4.2.3.e	Are there provisions for routinely checking the operability of emergency communications devices and equipment (refer to Item No. 5.5.2 for interfacing area)?	SEP 08/26/83	OPEN	C- Procedure EPP-107 will address operability checks for emergency communications equipment. One or more OPT- or EGT- procedures may have to be developed to address operability checks for the emergency alarms.
4.2.3.f	Is there a 24-hour-per-day capability to DLY notify the NRC, State and local authorities?		CLOSED	R- Yes. Refer to Plan Section 3.0 and Procedure EPP-203.
4.2.3.g	Are there backups for the following key communications networks:		CLOSED	R- All items listed below have been closed out.
4.2.3.g.(1)	For the initiation of the emergency response?	DLY	CLOSED	R- Yes. Refer to Procedure EPP-203.
4.2.3.g.(2)	Between the plant and the EDF?	DLY	CLOSED	R- Yes. Refer to Plan Section 4.0.
4.2.3.g.(3)	Between the plant and the local EOC's?	DLY	CLOSED	R- Yes. Refer to Plan Section 4.0.
4.2.3.g.(4)	Between the plant and the onsite and offsite radiological monitoring teams?	DLY	CLOSED	R- Yes. Refer to Procedures EPP-309 and EPP-310.
4.2.3.g.(5)	Between the plant and the State EOC?	DLY	CLOSED	R- Yes. Refer to Procedure EPP-203.
4.2.3.g.(6)	With contiguous local governments within the Emergency Planning Zones?	DLY	CLOSED	R- Yes. Refer to Procedure EPP-203.
4.2.3.g.(7)	With Federal emergency response organizations?	DLY	CLOSED	R- Yes. Refer to Procedure EPP-203.
4.2.3.g.(8)	With the NRC Headquarters and NRC Regional Headquarters offsite EOC's?	DLY	CLOSED	R- Yes. Refer to Procedure EPP-203.
4.2.3.g.(9)	Between both units?	DLY	CLOSED	R- Yes, via the intraplant telephone system and the plant page-party system.
4.2.3.h	Are redundant power sources available for the communications systems and devices?	DCK 09/16/83	OPEN	

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4.2.4	Damage Control/Corrective Action and Maintenance Equipment and Supplies		CLOSED R- All items listed below have been closed out.
4.2.4.a	What needs for onsite damage control, corrective action, and/or maintenance equipment and supplies have been considered?	CLW	CLOSED R- Consideration has been given to the preparations for, and conduct of, in-plant emergency repair/damage control activities, operator responses to specific emergency conditions, and the maintenance and inventory of emergency equipment and supplies.
4.2.4.b	Have these needs been met?	None	CLOSED C- This question will be addressed as part of the NRC Emergency Preparedness Appraisal.
4.2.5	Reserve Emergency Equipment and Supplies		CLOSED R- All items listed below have been closed out.
4.2.5.a	Does the licensee rely upon the onsite inventory of supplies (e.g., survey instruments, dosimetry, and protective clothing) to support emergency response operations? Are these supplies readily available?	DCX	CLOSED R- Yes. Supplies and equipment, which are dedicated for emergency use, are maintained in the TSC, OSC, OSC Annex, and EDF. Refer to Procedure EPP-107.
4.2.5.b	If so, are there controls in existence, such as minimum stock levels, to ensure that the licensee maintains adequate reserves of normal supplies to handle emergency situations?	DCX	CLOSED R- Supplies and equipment, which are dedicated for emergency use, are maintained in accordance with the provisions of Procedure EPP-107.
4.2.5.c	Are emergency reserve supplies included in the periodic verification of stock?	DCX	CLOSED R- Yes. Refer to Procedure EPP-107.
4.2.5.d	If the licensee relies upon equipment and instruments from other sources, is the equipment the same or equivalent in their operational characteristics to the licensee's equipment (i.e., would the equipment be compatible)?	DCX	CLOSED R- Not applicable.
4.2.6	Transportation		

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4.2.6.a	Are there vehicles set aside for use in supporting the emergency response (e.g., an ambulance and vehicles for the radiological monitoring teams)?	DCX	09/16/83	OPEN	C- A plan is under development for the identification and control of vehicles designated for emergency use. Refer to Plant Operations Punchlist item no. EP-0010-INP.
4.2.6.b	If not, are there control provisions to ensure availability where needed?	DCX	09/16/83	OPEN	C- A STA-series procedure is being developed to establish controls that ensure the availability during normal operations of those vehicles designated for emergency use.
4.2.6.c	Are keys for the vehicles accessible to the user?	DCX	09/16/83	OPEN	C- Per Plan Subsection 7.3, keys to all vehicles designated for use during emergencies will be maintained at the Primary Access Point. Resolution pending closure of Item Nos. 4.2.6.a and 4.2.6.b above.
4.2.6.d	Are these vehicles of the proper size and are they properly equipped (e.g., four-wheel drive capability or equipped with a trailer hitch)?	DCX	09/16/83	OPEN	C- The need for special equipment is presently being evaluated.
5.0	EMERGENCY RESPONSE IMPLEMENTING PROCEDURES				
5.1	General Content and Format			CLOSED	R- All items within this subsection have been closed out.
5.1.a	Does each procedure specify the individual or organizational element having the authority and responsibility for performing the tasks covered by that procedure?	GWS		CLOSED	R- Yes. Section 2.0, "Applicability", of each Emergency Plan Procedure specifies the individual(s) or organizational element(s) responsible for implementing that procedure.
5.1.b	Are the Emergency Action Levels (EAL) and the Protective Action Guides (PAG) clearly specified along with the emergency response actions or protective actions to be implemented?	GWS		CLOSED	R- Yes. This item is addressed in Procedures EP-201 and EPP-304.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
5.1.c	Are "action steps" clearly specified in a sequential step-by-step fashion?	GWS	CLOSED R- Yes.
5.1.d	Does each procedure describe and highlight the prerequisites and conditions that must exist before the specified actions are performed, as well as the precautions and limitations to be observed during the performance of those actions?	GWS	CLOSED R- Yes.
5.1.e	Are guidelines provided for each area in which the user of the procedure is permitted to exercise judgement in the following:		CLOSED R- All items listed below have been closed out.
5.1.e.(1)	The implementation of specific actions?	GWS	CLOSED R- Yes.
5.1.e.(2)	The interpretation of the EAL's or the application of the PAG's, or the making of recommendations relating thereto?	GWS	CLOSED R- Yes. Refer to Procedures EPP-201 and EPP-304.
5.1.f	Do the procedures refer the user to other procedures already in existence (e.g., chemistry, health physics, radwaste, or administrative procedures) which are required to complete the actions detailed in those procedures?	GWS	CLOSED R- Yes.
5.1.g	Does the reference appear in the body of the procedure at the point where the implementation of the other function or procedure is to be performed or considered?	GWS	CLOSED R- Yes.
5.1.h	Are the references available to the user?	GWS	CLOSED R- Yes.
5.1.i	Do the procedures contain sign-off sheets, checklists and/or data sheets to document that the actions described in those procedures have been completed?	GWS	CLOSED R- Yes, where appropriate.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
5.2	Emergency, Alarm, and Abnormal Occurrence Procedures		CLOSED R- All items within this subsection have been closed out.
5.2.a	Do these procedures contain steps in the WCC "Immediate Actions" or "Subsequent Actions" section which require the evaluation of the initiating conditions relative to the EAL's contained in the CPSES Emergency Plan and Emergency Plan Procedures?		CLOSED R- No. The Emergency Operating Procedures and Abnormal Conditions Procedures reference the reader to Procedure EPP-201 for the purpose of evaluating the initiating conditions relative to the EAL's specified in that procedure.
5.2.b	Does each procedure reference the proper WCC Emergency Plan Procedure or contain instructions for classifying the situation and implementing the appropriate Emergency Plan Procedure?		CLOSED R- Yes. Refer to Item No. 5.2.a above.
5.3	Implementing Instructions		CLOSED R- All items within this subsection have been closed out.
5.3.a	Is there a procedure (implementing instruction) for each class of emergency specified in the CPSES Emergency Plan?	RBW	CLOSED R- No. A single procedure, Procedure EPP-201, initiates the prescribed response for each EAL. Procedure EPP-203 prescribes the required notifications for each EAL.
5.3.b	Are there implementing instructions written for use by the Emergency Coordinator?	RBW	CLOSED R- Procedure EPP-109 sets forth the duties and responsibilities of the Emergency Coordinator, and contains references to those procedures which support the Emergency Coordinator in the performance of his duties and responsibilities.
5.3.c	Is the scope of the authority and responsibility vested in the Emergency Coordinator specified?	RBW	CLOSED R- Procedure EPP-109 specifies the scope of the Emergency Coordinator's authorities and responsibilities.
5.3.d	Are the functional responsibilities assigned to the Emergency Coordinator clearly specified to include those responsibilities which may not be delegated to other elements of the CPSES Emergency Organization?	GWS	CLOSED R- Yes. Refer to Plan Section 1.0 and Procedure EPP-109.

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5.3.e	Does each procedure describe the specific EAL's and planned response actions required to be considered or implemented in response to each EAL (e.g., facility staffing and activation, initiation of assessment activities, and protective response measures)?	GWS	CLOSED R- Yes. Refer to Procedure EPP-201.
5.3.f	Are these EAL's based upon observable information readily available to the individuals responsible for the detection, classification, and assessment of an emergency condition?	GWS	CLOSED R- Yes. Refer to Procedure EPP-201.
5.3.g	Do the implementing instructions orchestrate the implementation of other, more specific implementing procedures which have been developed to implement or support the implementation of the CPSES Emergency Plan?	GWS	CLOSED R- Yes, where appropriate.
5.4	Implementing Procedures		C- Are the following areas addressed by implementing procedures?
5.4.1	Notifications		CLOSED R- All items listed below have been closed out.
5.4.1.a	For each class of emergency, is the sequence of notification to alert, mobilize, or augment the onsite emergency response organization and supporting agencies specified?	GWS	CLOSED R- Procedure EPP-201 initiates predetermined emergency response actions for each Emergency Action Level. Procedure EPP-203 describes the notification process associated with each Emergency Action Level.
5.4.1.b (Part 1)	Are the immediate notifications that are RBW the responsibility of the Emergency Coordinator or the the on-duty operating staff incorporated into the "Immediate Actions" steps of the Emergency Plan Procedures and emergency operating procedures?		CLOSED R- This item is addressed in Procedure EPP-203.

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5.4.1.b (Part 2)	Do the procedures include descriptions of how the notifications are to be made (e.g., the equipment to be used)?	RBW	CLOSED R- This item is addressed in Procedure EPP-203.
5.4.1.c	Are the action levels specified for the notification of:		CLOSED R- All items listed below have been closed out.
5.4.1.c.(1)	The onsite emergency response organization?	RBW	CLOSED R- This item is addressed in Procedure EPP-203.
5.4.1.c.(2)	Corporate support?	GWS	CLOSED R- At the site level, this item is addressed in Procedure EPP-203. Procedure CEPP-102 describes the subsequent notification process for the TUGCO Corporate Emergency Organization.
5.4.1.c.(3)	Contractor or private agency support?	GLB	CLOSED R- In addition to the call lists, Procedure EPP-203 contains a directory listing the names and phone numbers of the various Federal, State and local agencies, and private organizations, who may be called upon to provide support.
5.4.1.c.(4)	Local services support?	GLB	CLOSED R- Yes. Refer to Item No. 5.4.1.c.(3) above.
5.4.1.c.(5)	Participating local, State and Federal (in particular, the NRC) governmental agencies?	RBW	CLOSED R- The required notifications to offsite agencies are set forth in the call lists contained in Procedure EPP-203.
5.4.1.c.(6)	The general public, including transients and persons visiting recreational facilities?	GWS	CLOSED R- The general public will be alerted by county officials via the Outdoor Warning System and the Emergency Broadcast System. Refer to the Hood County and Somervell County Emergency Operations Plans and their associated implementing procedures.
5.4.1.d	Are the notification action levels consistent with the provisions of 10CFR, Part 50.72, and NUREG-0654, Appendix 1?	GWS	CLOSED R- Yes.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
5.4.1.e	Are planned messages, announcements and alarms used for initial notifications?	GWS	CLOSED	R- Yes. Refer to Plan Section 3.0 and Procedure EPP-203. Procedure EPP-203 contains copies of the agreed to, standardized initial notification and followup message forms which will be utilized by CPSES, State and county personnel.
5.4.1.f	Is the content of these messages included in the relevant procedure?	GWS	CLOSED	R- Yes. Procedure EPP-203 addresses the content of the initial notification and followup message forms to be utilized to notify offsite authorities.
5.4.1.g	Does the notification procedure contain a listing of all persons and agencies who are included in the emergency response scheme, and the means to be used for making contact?	GLB	CLOSED	R- Yes. Refer to Procedure EPP-203.
5.4.1.h	Where a telephone is to be used, are the telephone numbers listed?	GLB	CLOSED	R- Yes. Refer to Procedure EPP-203.
5.4.1.i	Is there an authentication scheme for initial notifications to offsite authorities?	GLB	CLOSED	R- The details of the authentication scheme are addressed in the implementing procedures associated with the Hood County and Somervell County Emergency Operations Plans and the Texas Department of Public Safety communications procedures.
5.4.2	Assessment Actions		CLOSED	R- All items listed below have been closed out.
5.4.2.a	Is there an overall procedure which orchestrates the implementation of the accident assessment scheme (operational and radiological) for gathering information and data upon which to base decisions regarding:		CLOSED	R- No. Procedure EPP-201 addresses the operational aspects of accident assessment. Procedures EPP-300, EPP-302 and EPP-304 address the radiological aspects of accident assessment. Field data collection is addressed in Procedures EPP-309 and EPP-310.
5.4.2.a.(1)	Escalation and de-escalation of the emergency response?	WCC	CLOSED	R- Procedure EPP-201 provides guidance regarding escalation of the emergency response. Procedure EPP-121 provides guidance regarding the de-escalation of the emergency response.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT	STATUS DATE	RESOLUTION/COMMENTS
5.4.2.a.(2)	Corrective actions?	WCC	CLOSED	R- Based upon the existing conditions, corrective actions will be coordinated by the appropriate emergency response person
5.4.2.a.(3)	Recommendation of onsite and offsite protective actions?	WCC	CLOSED	R- Procedure EPP-304 provides guidance regarding the recommendation of offsite protective actions. Procedures EPP-208, EPP-209, EPP-210, EPP-305, EPP-306 and EPP-307 provide guidance regarding the implementation of onsite protective actions.
5.4.2.b	Is the procedure written for use by the individual assigned overall responsibility for directing the radiological assessment program?	WCC	CLOSED	R- Procedures EPP-300 and EPP-302 are written for use by the personnel responsible for performing or coordinating radiological assessment activities, including the Radiation Protection Coordinator. Procedure EPP-301 will be written in a similar format.
5.4.2.c	Does the procedure identify the priority system and sources of information available to determine the source term, and magnitude and duration of a release of radioactive materials, and the magnitude of any resulting onsite and offsite contamination?	WCC	CLOSED	R- Procedures EPP-300 and EPP-302 identify the sources of information available to complete assessment activities and the priority systems for using that information.
5.4.2.d	Are action levels and protective action guides specified which will serve as a basis for considering or initiating emergency measures to terminate or mitigate the actual or projected consequences determined from the assessment process?	WCC	CLOSED	R- Procedure EPP-201 specifies the bases for the Emergency Action Levels. Procedure EPP-304 specifies the Protective Action Guides to be used in the formulation of protective action recommendations.
5.4.2.e	Is there a means, based upon Control Room instrumentation, for initially projecting exposures or exposure rates to the whole body or the thyroid of individuals located onsite and within the Plume Exposure EP?	WCC	CLOSED	R- Yes. Procedures EPP-300 and EPP-302 provide methods for projecting exposures or exposure rates to the whole body or the thyroid. Procedure EPP-301, when completed, will provide the primary methods for calculating exposures and exposure rates.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
5.4.2.f	Are there provisions for determining the WCC containment source term using the containment radiation monitor and containment atmosphere sampling?	CLOSED	R- This item is addressed in Procedure EPP-300. Containment atmosphere sample analysis results will be utilized in project release rates from the Containment. Containment radiation monitors will not be utilized.
5.4.2.g	Are there provisions for making initial WCC dose projections in the event that the installed Control Room instrumentation is offscale or inoperable?	CLOSED	R- This item is addressed in Procedure EPP-300. If necessary, design basis accident information will be utilized to project offsite doses.
5.4.2.h	Are there provisions for the immediate WCC notification of State and local agencies in the event that the initial assessment actions indicate potential exposures to individuals within the Plume Exposure EPZ in excess of the lower limits of the EPA PAG's?	CLOSED	R- Procedure EPP-203 requires that State and county authorities be provided timely initial notification and followup messages. These messages include provisions for designating the affected sectors and any protective action recommendations.
5.4.2.i	Are there provisions for the trend WCC analysis of assessment data?	CLOSED	R- Assessment data can be trended manually. When operational, assessment data can be automatically trended by the Digital Radiation Monitoring System and the Safety Parameter Display System.
5.4.2.j	Are there provisions for the continuous WCC update of assessment information to those offsite agencies responsible for implementing assessment and protective actions in behalf of the general population?	CLOSED	R- Procedure EPP-203 requires that State and county authorities be provided updated information at least every 30 minutes during an emergency situation. These updates will include accident assessment information and protective action recommendations.
5.4.2.k	Is there a description of, or reference CLW to, the data required from the radiological environmental monitoring program (e.g., TLD's, or soil, vegetation and animal feed samples), and a reference to the procedures to be implemented?	CLOSED	R- Procedure EPP-309 designates the post-accident environmental samples to be obtained, and references the appropriate Chemistry and Environmental procedures regarding sample preparation, disposition and analysis, as well as the routine data available.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
5.4.2.1	Do the procedures include provisions for WCC using data from area and process radiation monitors, and in-plant radiological surveys for assessment under accident conditions?	CLOSED	R- Procedures EPP-300 and EPP-302 utilize area and process radiation monitor data, field data, and design basis accident data to complete assessment calculations. These procedures also specify the priorities in which this data is to be used.
5.4.2.a	Does the licensee have interim methods (e.g., using portable instrumentation or calculational methods) for estimating high-level releases?	WCC CLOSED	R- This item is addressed in Procedure EPP-300. Calculational methods will utilize design basis accident information. The use of portable instrumentation will be evaluated.
5.4.2.1	Offsite Radiological Surveys		
5.4.2.1.a	Are the methods and equipment to be used to perform emergency offsite radiological surveys specified?	CLW CLOSED	R- This item is addressed in Procedure EPP-309.
5.4.2.1.b	Is the procedure written from the viewpoint of the individual performing the actual survey?	CLW CLOSED	R- Yes. Refer to Procedure EPP-309.
5.4.2.1.c	Are prepositioned survey points or locations used to determine the precise location where measurements are to be made within the Plume Exposure EPZ?	CLW CLOSED	R- Yes. The preselected offsite monitoring locations are specified in Procedure EPP-309.
5.4.2.1.d	If not, what method is used to determine where measurements are to be made?	CLW CLOSED	R- Not applicable. Refer to Item No. 5.4.2.1.c above.
5.4.2.1.e	Is this system consistent with State and local offsite radiological monitoring requirements?	WCC 09/23/83 OPEN	C- The counties will not provide assistance in the form of manpower or equipment for offsite radiological monitoring activities. The TUGCO radiological assessment system should be checked against that of the State's to ensure consistency.
5.4.2.1.f	Is there a means for the offsite radiological monitoring team members to record:		

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5.4.2.1.f.(1)	The date and time of each survey?	CLW	5.4.2.1.f.(1)	R- The date and time of each survey? Procedure EPP-309.	CLW
5.4.2.1.f.(2)	The location of each survey?	CLW	5.4.2.1.f.(2)	R- The location of each survey? in Procedure EPP-309.	CLW
5.4.2.1.f.(3)	The names of the individuals who performed the surveys?	CLW	5.4.2.1.f.(3)	R- The names of the individuals who performed the surveys?	CLW
5.4.2.1.f.(4)	The instrument used, by type and serial number?	CLW	5.4.2.1.f.(4)	R- The instrument used, by type and serial number? Procedure EPP-309.	CLW
5.4.2.1.f.(5)	The mode in which the instrument was used (e.g., "window open" or "window closed")?	CLW	5.4.2.1.f.(5)	R- The mode in which the instrument was used (e.g., "window open" or "window closed")?	CLW
5.4.2.1.f.(6)	The duration of the meter reading?	CLW	09/15.4.2.1.f.(6)	C- The duration of the meter reading?	CLW 0
5.4.2.1.f.(7)	Air sampler flow rates?	CLW	5.4.2.1.f.(7)	R- Air sampler flow rates? as in Procedure EPP-309. The preferred air sampler flow rate is two (2) cfm.	CLW
5.4.2.1.f.(8)	The background radiation levels at the time of air sample counting?	CLW	5.4.2.1.f.(8)	R- The background radiation levels at the time of air sample counting?	CLW
5.4.2.1.f.(9)	The sample count time?	CLW	5.4.2.1.f.(9)	R- The sample count time? as in Procedure EPP-309.	CLW
5.4.2.1.g	Is each collected environmental sample uniquely labeled for later identification?	CLW	5.4.2.1.g USED	R- Is each collected environmental sample uniquely labeled for later identification?	CLW
5.4.2.1.h	Is the means specified by which collected data, including the original data sheets, are provided to the organizational element responsible for emergency assessment functions?		5.4.2.1.h USED	R- Is the means specified by which collected data, including the original data sheets, are provided to the organizational element responsible for emergency assessment functions?	CLW
5.4.2.1.i	Is a central collection point designated for all environmental samples collected by the offsite survey teams?		5.4.2.1.i USED	R- Is a central collection point designated for all environmental samples collected by the offsite survey teams?	CLW

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ITEM NO.	IMPLEMENTATION AREA	RESP	COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
5.4.2.1.j	Are the primary and backup means of communications described?	CLW		CLOSED	R- Yes. The Offsite Monitoring Teams will utilize hand-held radios as the primary means of communications. The public telephone system will be utilized as the backup means of communications. Refer to Procedure EPP-309.
5.4.2.1.k	Are the provisions for transportation of the teams specified?	CLW	09/16/83	OPEN	C- The vehicles to be used by the Offsite Monitoring Teams need to be identified. The specific locations of those vehicles and their keys should be specified in Procedure EPP-309.
5.4.2.1.l	Is radiation protection guidance (e.g., exposure limits, and use of protective clothing and equipment) provided?	CLW		CLOSED	R- Yes. Specific radiation protection guidance for the Offsite Monitoring Teams is provided in Procedure EPP-309.
5.4.2.1.m	Are maps provided with the monitoring points or locations specified on the maps? Are the maps sufficiently detailed to allow the teams to find the monitoring locations accurately?	CLW	09/16/83	OPEN	C- The maps provided in the emergency kits for the Offsite Monitoring Teams should indicate the predesignated environmental monitoring points. Furthermore, these emergency kits should also contain the 25-mile radius map.
5.4.2.2	Onsite (Out-of-Plant) Radiological Surveys				
5.4.2.2.a	Are the methods and equipment to be used to perform emergency onsite radiological surveys specified?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.2.b	Is the procedure written from the viewpoint of the individual performing the actual survey?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.2.c	Is there a means for the onsite radiological survey team members to record:				
5.4.2.2.c.(1)	The date and time of each survey?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.

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5.4.2.2.c.(2)	The location of each survey?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.2.c.(3)	The names of the individuals who performed the surveys?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.2.c.(4)	The instrument used, by type and serial number?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.2.c.(5)	The mode in which the instrument was used (e.g., "window open" or "window closed")?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.2.c.(6)	The duration of the meter reading?	CLW	08/19/83	OPEN	C- Requires clarification.
5.4.2.2.c.(7)	Air sampler flow rates?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.2.c.(8)	The background radiation levels at the time of air sample counting?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.2.c.(9)	The sample count time?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.2.d	Is each collected sample uniquely labeled for later identification?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.2.e	Is the means specified by which collected data, including the original data sheets, are provided to the organizational element responsible for emergency assessment functions?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.2.f	Is a central collection point designated for all samples collected by the onsite survey teams?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.2.g	Are the primary and backup means of communications described?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.2.h	Is radiation protection guidance (e.g., exposure limits, and use of protective clothing and equipment) provided?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.

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5.4.2.3	In-Plant Radiological Surveys		
5.4.2.3.a	Are the methods and equipment to be used to perform emergency in-plant radiological surveys specified?	CLW	- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.3.b	Are the procedures written from the viewpoint of the individuals performing the actual surveys?	CLW	- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.3.c	Is there a means for the in-plant radiological survey team members to record:		
5.4.2.3.c.(1)	The date and time of each survey?	CLW	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.3.c.(2)	The location of each survey?	CLW	OPEN C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.3.c.(3)	The names of the individuals who performed the surveys?	CLW	OPEN C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.3.c.(4)	The instrument used, by type and serial number?	CLW	OPEN C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.3.c.(5)	The mode in which the instrument was used (e.g., "window open" or "window closed")?	CLW	OPEN C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.3.c.(6)	The duration of the meter reading?	CLW	OPEN C- Requires clarification.
5.4.2.3.c.(7)	Air sampler flow rates?	CLW	OPEN C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.3.c.(8)	The background radiation levels at the time of air sample counting?	CLW	OPEN C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.3.c.(9)	The sample count time?	CLW	OPEN C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.3.d	Is each collected sample uniquely labeled for later identification?	CLW	OPEN C- Resolution pending SORC approval of Procedure EPP-310.

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5.4.2.3.e	Is the means specified by which collected data, including the original data sheets, are provided to the organizational element responsible for emergency assessment functions?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.3.f	Is a central collection point designated for all samples collected by the in-plant survey teams?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.3.g	Are the primary and backup means of communications described?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.
5.4.2.3.h	Is radiation protection guidance (e.g., exposure limits, and use of protective clothing and equipment) provided?	CLW	08/19/83	OPEN	C- Resolution pending SORC approval of Procedure EPP-310.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT	STATUS DATE	RESOLUTION/COMMENTS
5.4.2.4	Reactor Coolant Sampling			
5.4.2.4.a	Does the procedure provide a detailed checklist for the operation of the emergency sampling equipment?	SEB	CLOSED	R- This item is addressed in Procedure CHM-512.
5.4.2.4.b	Are there provisions to limit exposure to sampling personnel and verify the habitability of those areas occupied by sampling personnel?	SEB	CLOSED	R- This item is addressed in Procedure EPP-117.
5.4.2.4.c	Are the sampling point locations clearly described?	SEB	CLOSED	R- This item is addressed in Procedure CHM-512.
5.4.2.4.d	Does the procedure address the sampling media and special equipment to be used?	SEB	CLOSED	R- This item is addressed in Procedure CHM-512.
5.4.2.4.e	Are there appropriate data sheets for each sample?	SEB	CLOSED	R- This item is addressed in Procedure CHM-512.
5.4.2.4.f	Does the procedure described the method of transporting the sample to the analysis area under all accident conditions?	SEB	CLOSED	R- This item is addressed in Procedures CHM-512 and EPP-117.
5.4.2.4.g	Are there provisions for labeling samples to permit later identification?	SEB	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.4.h	Can the sampling be conducted within one (1) hour (refer to Item No. 7.2)?	SEB	09/23/83 OPEN	C- This item will be verified under actual drill conditions.
5.4.2.5	Reactor Coolant Sample Analysis			
5.4.2.5.a	Are there analytical procedures for high-level samples?	SEB	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.5.b	Are there provisions for the calibration of counting equipment for high-level samples?	SEB	CLOSED	R- This item is addressed in Procedure CLI-761.
5.4.2.5.c	Does the procedure describe the means for diluting high-level samples?	SEB	CLOSED	R- This item is addressed in Procedures CLI-761 and CLI-900.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT	STATUS DATE	RESOLUTION/COMMENTS
5.4.2.5.d	Does the procedure describe the protection of laboratory personnel working with high-level samples?	SEB	CLOSED	R- This item is addressed in Procedures CLI-809 and CLI-900.
5.4.2.5.e	Does the procedure describe the methods used to protect the counting facilities from contamination?	SEB	CLOSED	R- This item is addressed in Procedure CLI-762.
5.4.2.5.f	Does the procedure provide for analysis in the event that the primary counting area has a high background?	SEB	CLOSED	R- This item is addressed in Procedure EPP-117.
5.4.2.5.g	Are analytical data sheets provided for high-level samples?	SEB	CLOSED	R- This item is addressed in Procedure CHM-512.
5.4.2.5.h	Do the analytical data sheets key the analysis results to the Emergency Action Levels?	SEB	CLOSED	R- This item is addressed in Procedure EPP-117.
5.4.2.5.i	Are the means specified by which data, including original data sheets, are provided to the organizational element responsible for the assessment function?	SEB	CLOSED	R- This item is addressed in Procedure EPP-117.
5.4.2.5.j	Are there storage provisions for the samples?	SEB	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.5.k	Will the analytical methods achieve the desired ends?	SEB	09/23/83 OPEN	C- This item will be verified under actual drill conditions.
5.4.2.5.l	Can the analyses be completed within two (2) hours (refer to Item No. 7.2)?	SEB	09/23/83 OPEN	C- This item will be verified under actual drill conditions.
5.4.2.6	Containment Atmosphere Sampling			
5.4.2.6.a	Does the procedure provide a detailed checklist for the operation of the emergency sampling equipment?	SEB	CLOSED	R- This item is addressed in Procedures CHM-512 and CLI-900.
5.4.2.6.b	Are there provisions to limit exposure to sampling personnel and verify the habitability of those areas occupied by sampling personnel?	SEB	CLOSED	R- This item is addressed in Procedure EPP-117.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
5.4.2.6.c	Are the sampling point locations clearly described?	SEB	CLOSED	R- This item is addressed in Procedures CHM-515 and CLI-900.
5.4.2.6.d	Does the procedure address the sampling media and special equipment to be used?	SEB	CLOSED	R- This item is addressed in Procedures CHM-515 and CLI-900.
5.4.2.6.e	Are there appropriate data sheets for each sample?	SEB	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.6.f	Does the procedure described the method of transporting the sample to the analysis area under all accident conditions?	SEB	CLOSED	R- This item is addressed in Procedures CLI-900 and EPP-117.
5.4.2.6.g	Are there provisions for labeling samples to permit later identification?	SEB	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.6.h	Can the sampling be conducted within one (1) hour (refer to Item No. 7.2)?	SEB 09/23/83	OPEN	C- This item will be verified under actual drill conditions.
5.4.2.7	Containment Atmosphere Sample Analysis			
5.4.2.7.a	Are there analytical procedures for high-level samples?	SEB	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.7.b	Are there provisions for the calibration of counting equipment for high-level samples?	SEB	CLOSED	R- This item is addressed in Procedure CLI-761.
5.4.2.7.c	Does the procedure describe the means for diluting high-level samples?	SEB	CLOSED	R- This item is addressed in Procedures CLI-761 and CLI-900.
5.4.2.7.d	Does the procedure describe the protection of laboratory personnel working with high-level samples?	SEB	CLOSED	R- This item is addressed in Procedures CLI-809 and CLI-900.
5.4.2.7.e	Does the procedure describe the methods used to protect the counting facilities from contamination?	SEB	CLOSED	R- This item is addressed in Procedure CLI-762.
5.4.2.7.f	Does the procedure provide for analysis in the event that the primary counting area has a high background?	SEB	CLOSED	R- This item is addressed in Procedure EPP-117.

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ITEM NO.	IMPLEMENTATION AREA	RESP	COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
5.4.2.7.g	Are analytical data sheets provided for high-level samples?	SEB		CLOSED	R- This item is addressed in Procedure CHM-512.
5.4.2.7.h	Do the analytical data sheets key the analysis results to the Emergency Action Levels?	SEB		CLOSED	R- This item is addressed in Procedure EPP-117.
5.4.2.7.i	Are the means specified by which data, including original data sheets, are provided to the organizational element responsible for the assessment function?	SEB		CLOSED	R- This item is addressed in Procedure EPP-117.
5.4.2.7.j	Is the sample disposition specified?	SEB		CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.7.k	Will the analytical methods achieve the desired ends?	SEB	09/23/83	OPEN	C- This item will be verified under actual drill conditions.
5.4.2.7.l	Can the analyses be completed within two (2) hours (refer to Item No. 7.2)?	SEB	09/23/83	OPEN	C- This item will be verified under actual drill conditions.
5.4.2.8	Stack Effluent Sampling				
5.4.2.8.a	Does the procedure provide a detailed checklist for the operation of the emergency sampling equipment?	SEB		CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.8.b	Are there provisions to limit exposure to sampling personnel and verify the habitability of those areas occupied by sampling personnel?	SEB		CLOSED	R- This item is addressed in Procedures CLI-900 and EPP-117.
5.4.2.8.c	Are the sampling point locations clearly described?	SEB		CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.8.d	Does the procedure address the sampling media and special equipment to be used?	SEB		CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.8.e	Are there appropriate data sheets for each sample?	SEB		CLOSED	R- This item is addressed in Procedure CHM-512.
5.4.2.8.f	Does the procedure described the method of transporting the sample to the analysis area under all accident conditions?	SEB		CLOSED	R- This item is addressed in Procedure CLI-900.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
5.4.2.8.g	Are there provisions for labeling samples to permit later identification?	SEB	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.3.h	Can the sampling be conducted within one (1) hour (refer to Item No. 7.2)?	SEB 09/23/83	OPEN	C- This item will be verified under actual drill conditions.
5.4.2.9	Stack Effluent Sample Analysis			
5.4.2.9.a	Are there analytical procedures for high-level samples?	DCK	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.9.b	Are there provisions for the calibration of counting equipment for high-level samples?	DCK	CLOSED	R- This item is addressed in Procedures CLI-760 and CLI-761.
5.4.2.9.c	Does the procedure describe the means for diluting high-level samples?	DCK	CLOSED	R- This item is addressed in Procedures CLI-761 and CLI-900.
5.4.2.9.d	Does the procedure describe the protection of laboratory personnel working with high-level samples?	DCK	CLOSED	R- This item is addressed in Procedures CLI-809 and CLI-900.
5.4.2.9.e	Does the procedure describe the methods used to protect the counting facilities from contamination?	DCK	CLOSED	R- This item is addressed in Procedures CLI-762 and CLI-900.
5.4.2.9.f	Does the procedure provide for analysis in the event that the primary counting area has a high background?	DCK	CLOSED	R- This item is addressed in Procedures CLI-900 and EPP-117.
5.4.2.9.g	Are analytical data sheets provided for high-level samples?	DCK	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.9.h	Do the analytical data sheets key the analysis results to the Emergency Action Levels?	DCK	CLOSED	R- This item is addressed in Procedure EPP-117.
5.4.2.9.i	Are the means specified by which data, including original data sheets, are provided to the organizational element responsible for the assessment function?	DCK	CLOSED	R- This item is addressed in Procedure EPP-117.

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CLI-809 and CLI-900.

ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
5.4.2.9.j	Is the sample disposition specified?	DCK	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.9.k	Will the analytical methods achieve the desired ends?	DCK 09/23/83	OPEN	C- This item will be verified under actual drill conditions.
5.4.2.9.l	Can the analyses be completed within two (2) hours (refer to Item No. 7.2)?	DCK 09/23/83	OPEN	C- This item will be verified under actual drill conditions.
5.4.2.10	Liquid Effluent Sampling			
5.4.2.10.a	Does the procedure provide a detailed checklist for the operation of the emergency sampling equipment?	DCK	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.10.b	Are there provisions to limit exposure to sampling personnel and verify the habitability of those areas occupied by sampling personnel?	DCK	CLOSED	R- This item is addressed in Procedures CLI-900 and EPP-117.
5.4.2.10.c	Are the sampling point locations clearly described?	DCK	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.10.d	Does the procedure address the sampling media and special equipment to be used?	DCK	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.10.e	Are there appropriate data sheets for each sample?	DCK	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.10.f	Does the procedure described the method of transporting the sample to the analysis area under all accident conditions?	DCK	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.10.g	Are there provisions for labeling samples to permit later identification?	DCK	CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.10.h	Can the sampling be conducted within one (1) hour (refer to Item No. 7.2)?	DCK 09/23/83	OPEN	C- This item will be verified under actual drill conditions.
5.4.2.11	Liquid Effluent Sample Analysis			

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ITEM NO.	IMPLEMENTATION AREA	RESP	COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
5.4.2.11.a	Are there analytical procedures for high-level samples?	DCX		CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.11.b	Are there provisions for the calibration of counting equipment for high-level samples?	DCX		CLOSED	R- This item is addressed in Procedures CLI-760 and CLI-761.
5.4.2.11.c	Does the procedure describe the means for diluting high-level samples?	DCX		CLOSED	R- This item is addressed in Procedures CLI-761 and CLI-900.
5.4.2.11.d	Does the procedure describe the protection of laboratory personnel working with high-level samples?	DCX		CLOSED	R- This item is addressed in Procedures CLI-806 and CLI-900.
5.4.2.11.e	Does the procedure describe the methods used to protect the counting facilities from contamination?	DCX		CLOSED	R- This item is addressed in Procedures CLI-762 and CLI-900.
5.4.2.11.f	Does the procedure provide for analysis in the event that the primary counting area has a high background?	DCX		CLOSED	R- This item is addressed in Procedures CLI-900 and EPP-117.
5.4.2.11.g	Are analytical data sheets provided for high-level samples?	DCX		CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.11.h	Do the analytical data sheets key the analysis results to the Emergency Action Levels?	DCX		CLOSED	R- This item is addressed in Procedure EPP-117.
5.4.2.11.i	Are the means specified by which data, including original data sheets, are provided to the organizational element responsible for the assessment function?	DCX		CLOSED	R- This item is addressed in Procedure EPP-117.
5.4.2.11.j	Is the sample disposition specified?	DCX		CLOSED	R- This item is addressed in Procedure CLI-900.
5.4.2.11.k	Will the analytical methods achieve the desired ends?	DCX	09/23/83	OPEN	C- This item will be verified under actual drill conditions.
5.4.2.11.l	Can the analyses be completed within two (2) hours (refer to Item No. 7.2)?	DCX	09/23/83	OPEN	C- This item will be verified under actual drill conditions.

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ITEM NO.	IMPLEMENTATION AREA	COMMITMENT STATUS	RESOLUTION/COMMENTS
5.4.2.12	Radiological and Environmental Monitoring Program (REMP)	CLOSED	R- All items listed below have been closed out.
5.4.2.12.a	Are there provisions for a REMP to be implemented during emergencies, including the assignment of duties, the collection and evaluation of data relative to environmental TLD's, air samples, water samples, etc.?	CLOSED	R- Yes. Refer to Plan Subsection 11.2 and Procedure EPP-309. Per Plan Subsection 1.2, implementation of the REMP during emergency situations is the responsibility of the Radiation Protection Coordinator.
5.4.2.12.b	Does the licensee have a management coordinated structure for emergency environmental monitoring?	CLOSED	R- Yes. During or following an emergency situation, environmental monitoring would be accomplished as a function of the CPSES Emergency Organization or the CPSES Recovery Organization.
5.4.2.12.c	Is the licensee capable of conducting the emergency REMP (e.g., availability of instrumentation and equipment, location of counting laboratory, power supplies)?	CLOSED	R- Yes. Onsite facilities, equipment and procedures provide for environmental sample collection, preparation, and limited chemical/radiochemical analysis. Contractual agreements with offsite laboratories provide for more comprehensive analyses.
5.4.3	Protective Actions		
5.4.3.1	Radiation Protection During Emergencies		
5.4.3.1.a	Is there an overall procedure governing the implementation of the radiation protection program during emergencies?	CLOSED	R- There is no overall procedure which governs the implementation of the Station radiation protection program under emergency conditions.
5.4.3.1.b	If routine radiation protection procedures are referenced or are used during emergencies, do these procedures reflect their applicability during emergencies?	09/20/83 OPEN	C- Those routine radiation protection procedures, which are referenced in the EPP's, are being identified and reviewed to ensure their applicability during emergency conditions.
5.4.3.1.c	Are the following areas included:		

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ITEM NO.	IMPLEMENTATION AREA	RESP	COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
5.4.3.1.c.(1)	Personnel dosimetry?	WCC	CLOSED	R- This item is addressed in Procedure EPP-305.
5.4.3.1.c.(2)	Exposure records?	WCC	CLOSED	R- Procedure EPP-305 references Procedure HPA-117, "Personnel Exposure Records".
5.4.3.1.c.(3)	Positive access controls?	CLW	09/16/83 OPEN	5.4.3.1.c.(3) Positive access
5.4.3.1.c.(4)	Instructions to emergency workers (licensee as well as contractors or other personnel/agencies augmenting the onsite emergency response organization) regarding radiological conditions?	CLW	09/16/83 OPEN	5.4.3.1.c.(4) Instructions to (licensee as well as other personnel) onsite emergency response organization regarding radiological conditions?
5.4.3.1.c.(5)	Dose assessment?	CLW	09/16/83 OPEN	5.4.3.1.c.(5) Dose assessment
5.4.3.1.c.(6)	Provisions for preventing the re-exposure of individuals or limiting further exposure?	WCC	CLOSED	R- Procedure EPP-305 addresses provisions for personnel exposure control and dosimetry issuance.
5.4.3.1.d	Are special controls implemented for emergency conditions?	CLW	09/16/83 OPEN	5.4.3.1.d Are special controls implemented for emergency conditions?
5.4.3.1.e	Are there plans for expanding the respiratory protection program during emergency conditions (e.g., provisions for expanded supplies of respirators, provisions for expanded decontamination facilities, and provisions for promptly refilling air bottles)?	CLW	09/16/83 OPEN	5.4.3.1.e Are there plans for expanding the respiratory protection program during emergency conditions (e.g., provisions for expanded supplies of respirators, provisions for expanded decontamination facilities, and provisions for promptly refilling air bottles)?
5.4.3.1.f	Are changing and unusual conditions considered in the structuring of the radiation protection program for emergency conditions (e.g., higher dose rates)?	CLW	09/16/83 OPEN	5.4.3.1.f Are changing and unusual conditions considered in the structuring of the radiation protection program for emergency conditions (e.g., higher dose rates)?
5.4.3.1.g	Do procedures exist which describe how and by whom, and the priority in which, all health physics functions, will be performed during emergencies (e.g., access control, in-plant surveys, dosimetry, decontamination, exposure control, and sampling)?	WCC	CLOSED	R- Procedures exist which delineate the scope of health physics functions in response to the various Emergency Action Levels. However, there is no specific, prescribed sequence in which these functions are to be initiated.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
5.4.3.2	Evacuation of Owner-Controlled Areas		CLOSED R- All items listed below have been closed out.
5.4.3.2.a	Are there action levels that require evacuation of specified areas, buildings and the site?	GLB	CLOSED R- The action levels are specified Procedure EPP-210.
5.4.3.2.b	Are the primary and secondary evacuation routes clearly marked with conspicuously posted arrows, signs, floor markings or other readily visible means?	DCK	CLOSED R- At this time, there are no plans to mark the evacuation routes.
5.4.3.2.c	Is (are) the location(s) of the assembly area(s) and the criteria for use specified?	DCK	CLOSED R- This item is addressed in Procedures EPP-209 and EPP-210.
5.4.3.2.d	Are the specified locations consistent with the actual locations and those locations described in the CPSES Emergency Plan?	DCK	CLOSED R- Yes.
5.4.3.2.e	Are there provisions for concise oral announcements over the plant page-party system or other provisions to describe the immediate actions of non-essential personnel during emergency conditions?	DCK	CLOSED R- Yes. Procedure EPP-210 requires that an evacuation announcement be made over the plant page-party system and that the evacuation alarm be sounded. In addition, each employee is provided instruction in his/her immediate actions during an emergency.
5.4.3.2.f	Does the procedure contain references to the personnel accountability and personnel monitoring/decontamination procedures?	DCK	CLOSED R- This item is addressed in Procedures EPP-209, EPP-210 and EPP-307.
5.4.3.2.g	Is there a means to verify that all individuals onsite and within the owner-controlled area (licensee and non-licensee) have been warned of the emergency conditions and have followed instructions regarding their actions (refer to Item No. 5.4.1)?	DCK	CLOSED R- Procedure EPP-210 requires that the CPSES Security Organization perform a "sweep" of all buildings adjacent to the Protected Area to ensure that all non-essential site personnel have evacuated following the initiation of a site evacuation order.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
5.4.3.3	Personnel Accountability			
5.4.3.3.a	Does the procedure for personnel accountability provide for a full accounting of all individuals onsite and the identification of any missing individuals within 30 minutes of the declaration of an emergency?	DCX	11/04/83 OPEN	C- Yes. This item is addressed in Procedure EPP-209. However, the 30-minute time requirement will be verified under actual drill conditions.
5.4.3.3.b	Does the procedure specify an individual or position in the emergency response organization to whom reports of personnel accountability are to be made?	DCX	CLOSED	R- Yes. Procedure EPP-209 requires that the CPSES Security Organization provide accountability reports to the Emergency Coordinator.
5.4.3.3.c	Is there a means to ascertain the whereabouts of any individuals reported as missing? In this regard, is there a reference to a search and rescue procedure?	DCX	CLOSED	R- Yes. This item is addressed in Procedures EPP-209 and EPP-116.
5.4.3.3.d	Are there provisions for the continuous accountability of all individuals onsite after the initial accountability has been completed?	DCX	CLOSED	R- Yes. This item is addressed in Procedure EPP-209.
5.4.3.4	Personnel Monitoring and Decontamination			
5.4.3.4.a	Do the procedures provide for monitoring all individuals:		CLOSED	
5.4.3.4.a.(1)	Leaving restricted areas or other areas known or suspected to be contaminated?	DCX	CLOSED	C- This item is addressed in Plan Subsection 8.3 and Procedure EPP-307.
5.4.3.4.a.(2)	At assembly areas?	DCX	CLOSED	R- This item is addressed in Plan Subsection 8.3 and Procedure EPP-307.
5.4.3.4.a.(3)	At reassembly areas?	DCX	CLOSED	R- This item is addressed in Plan Subsection 8.3 and Procedure EPP-307.
5.4.3.4.b	Is there a means for recording the names of those individuals surveyed, the extent of any contamination found, the instrument used, and the methods employed and the results of any decontamination efforts?	DCX	CLOSED	R- This item is addressed in Plan Subsection 8.3 and Procedure EPP-307. Any decontamination efforts will be recorded on Form HPI-402-1 in accordance with the provisions of Procedure EPP-307.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
5.4.3.4.c	Are the contamination levels that require decontamination actions specified, and include or reference decontamination procedures for various levels and types of contamination, including skin contamination with radioiodine?	DCX	CLOSED R- The action level specified in both Plan Subsection 8.3 and Procedure EPP-307 is 1000 dpm/probe area. Attachment 1 to Procedure EPP-307 and references contained within that procedure address various decontamination techniques.
5.4.3.4.d	Are the action levels specified which will require further assessment and include designation of the elements of the emergency response organization responsible for performing the followup assessment?	DCX	CLOSED R- Procedure EPP-307 does not provide specific action levels. If significant personnel contamination exists following several decontamination attempts, the Radiation Protection Engineer or the Emergency Coordinator will be consulted.
5.4.3.4.e	Are the means described for providing collected data to the individual or organizational element responsible for the radiation protection program during emergencies?	DCX	CLOSED R- Procedure EPP-307 requires that Form HPI-402-1 be routed to the Onsite Radiological Assessment Coordinator or the Radiation Protection Coordinator during emergency conditions.
5.4.3.5	Onsite First-Aid/Rescue		CLOSED R- All items listed below have been closed out.
5.4.3.5.a	Do procedures address:		CLOSED
5.4.3.5.a.(1)	The methods for receiving, recovering, transporting, and handling injured personnel who may also be contaminated?	DCX	CLOSED R- This item is addressed in Procedure EPP-308.
5.4.3.5.a.(2)	A description of the interfaces and criteria for using the offsite medical treatment facility?	DCX	CLOSED R- This item is addressed in Procedure EPP-308.
5.4.3.5.b	Is radiation protection guidance provided for the first-aid/rescue team?	DCX	CLOSED R- This item is addressed in Procedure EPP-308.
5.4.4	Security During Emergencies		CLOSED R- All items listed below have been closed out.
5.4.4.a	Are the security measures to be placed in effect during emergencies specified in the station security procedures?	DCX	CLOSED R- Yes. This item is addressed in Procedure SEC-610.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
5.4.4.b	Are those procedures developed in accordance with the requirements of Appendix C to 10 CFR, Part 73, and do those procedures complement the CPSES Emergency Plan?	DCK	CLOSED R- Yes.
5.4.5	Repair/Corrective Actions		CLOSED R- All items listed below have been closed out.
5.4.5.a	Does the procedure describe the concept of operations for repair or corrective action activities?	RBW	CLOSED R- This item is addressed in Procedure EPP-116.
5.4.5.b	Does the procedure identify the individuals to whom the teams will report and include the steps to assure that individuals are properly briefed (e.g., with respect to radiological conditions or stay times) prior to the conduct of the operation?	RBW	CLOSED R- This item is addressed in Procedure EPP-116.
5.4.6	Recovery		CLOSED R- All items listed below have been closed out.
5.4.6.a	Is the organizational authority specified for declaring that a recovery phase is to be entered?	GWS	CLOSED R- Plan Section 11.0 outlines the structure of the CPSES Recovery Organization and the decision-making authorities within that organization. Procedure EPP-121 provides specific instructions and guidelines for entering a recovery phase.
5.4.6.b	Are there provisions for an evaluation of the plant operating conditions as well as the in-plant and out-of-plant radiological conditions in the decision to enter a recovery phase?	GWS	CLOSED R- Yes. Refer to Procedure EPP-121.
5.4.6.c	Are there notifications to be made to various individuals and agencies that must be completed prior to entering the recovery phase?	GWS	CLOSED R- Yes. Refer to Plan Section 11.0 and Procedure EPP-121.

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5.4.6.d	Are the key positions in the CPSES Recovery Organization identified?	GWS	CLOSED R- Yes. Refer to Plan Section 11.0 and Procedure EPP-121.
5.4.7	Public Information		CLOSED R- All items listed below have been closed out.
5.4.7.a	Do the procedures identify the organizations involved in the dissemination of public information?	TLG	CLOSED R- Yes. This item is addressed in Procedure EPP-115.
5.4.7.b	Are the locations of, and the methods of TLG contacting, those organizations specified?		CLOSED R- Yes. Refer to the Public Information Instructions which are maintained by the onsite Public Information Department.
5.4.7.c	Is the method for coordinating the internal dissemination of information to various locations and individuals clearly specified?	TLG	CLOSED R- Yes. Refer to the Public Information Instructions which are maintained by the onsite Public Information Department.
5.4.7.d	Are there interim provisions for the initial dissemination of information to the news media prior to the activation of the News Center?	TLG	CLOSED R- Yes. Refer to the Public Information Instructions which are maintained by the onsite Public Information Department.
5.4.7.e	Is the utility spokesperson clearly identified?	TLG	CLOSED R- Yes. Those individuals who may be assigned to the role of the Company Spokesman are clearly identified in the call lists contained in Procedure EPP-203.
5.4.7.f	Are the sources of information to be used by the spokesperson clearly specified?	TLG	CLOSED R- Yes. This item is addressed in Procedure EPP-115.
5.4.7.g	Are there provisions for coordinating information among the various spokespersons of the various organizations and groups?	TLG	CLOSED R- Yes. This item is addressed in Procedure EPP-115.
5.4.7.h	Are there provisions for rumor control, including provisions for responding to those public inquiries separate from the news media, and for coordinating the release of information with other organizations?	TLG	CLOSED R- Yes. This item is addressed in Procedure EPP-115. Additional information is contained in the Public Information Instructions which are maintained by the onsite Public Information Department.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
5.5	Supplementary Procedures		
5.5.1	Inventory, Operability Checks and Calibration of Emergency Equipment, Facilities and Supplies		CLOSED R- All items listed below have been closed out.
5.5.1.a	Does the procedure provide a specific (not generic) inventory listing of all equipment reserved for use during emergencies, and specify the locations of that equipment?	DLY	CLOSED R- Yes. Refer to Procedure EPP-107.
5.5.1.b	Is the frequency at which emergency equipment is to be inventoried, operationally checked, and/or calibrated specified?	DCX	CLOSED R- Emergency equipment is maintained in accordance with Procedure EPP-107. Other equipment, such as communications equipment and power supplies, which is not routinely inventoried or operationally checked, will be checked during the conduct of drills.
5.5.1.c	Is the responsibility for the performance of the emergency equipment readiness checks and for correcting any noted deficiencies delineated?	DCX	CLOSED R- Yes. Per Procedure EPP-107, this responsibility is assigned to the Radiation Protection Section.
5.5.2	Drills and Exercises		
5.5.2.a	Are drills and exercises administered by RBW the Emergency Planning Coordinator?		CLOSED R- At this time, all drills and exercises are administered by the Emergency Planning Coordinator.
5.5.2.b	Is each drill or exercise conducted in accordance with a scenario developed in advance of that drill or exercise?	RBW	CLOSED R- Yes.
5.5.2.c	Are the documentation and evaluation of all observer and participant comments part of the drill/exercise program?	RBW 08/19/83	OPEN
5.5.2.d	Are there management controls to assign responsibility for corrective actions and the assignment of completion dated to assure that corrective actions are completed in accordance with established schedule and are adequate to resolve noted deficiencies?	RBW 08/19/83	OPEN

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5.5.2.e	Does the licensee consider response to an actual event as a suitable substitute for any of the drills and exercises required by procedure?	RBW 08/19/83	OPEN	
5.5.2.f	Are there provisions for drills and exercises to be conducted on the backshift?	RBW 08/19/83	OPEN	
5.5.2.g	Does the procedure provide for the following drills and exercises at the stated frequencies:			
5.5.2.g.(1)	Communications (quarterly)?	RBW 08/19/83	OPEN	
5.5.2.g.(2)	Fire (as prescribed in the Technical Specifications)?	RBW 08/19/83	OPEN	
5.5.2.g.(3)	Medical (annually)?	RBW 08/19/83	OPEN	
5.5.2.g.(4)	Radiological monitoring (annually)?	RBW 08/19/83	OPEN	
5.5.2.g.(5)	Health physics (semi-annually)?	RBW 08/19/83	OPEN	
5.5.2.g.(6)	Exercise (annually)?	RBW 08/19/83	OPEN	
5.5.2.h	Are there provisions for routinely inviting offsite agencies and groups to participate in the above-listed drills and exercises?	RBW 08/19/83	OPEN	
5.5.2.i	Are there provisions for accommodating news media coverage of drills and exercises, including the use of the News Center facilities, equipment, and procedures that would be used during an actual emergency?	RBW 08/19/83	OPEN	
5.5.3	Review, Revision and Distribution of the Emergency Plan and Associated Implementing Procedures			

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
5.5.3.a	Are the telephone numbers reviewed at least every quarter?	GLB 09/23/83 OPEN	C- Procedure EPP-203, Rev. 3, incorporates updated call lists. Resolution pending SORC approval of Procedure EPP-203. The methodology for documenting the quarterly review of the call lists needs to be finalized and incorporated in Procedure EPP-102.
5.5.3.b	Are the procedures which implement the CPSES Emergency Plan reviewed at least once each calendar year to incorporate those changes resulting from drills or exercises, or changes in the facilities or the environs?	CLW 09/16/83 OPEN	
5.5.3.c	Is the responsibility for the annual review specified?	CLW 09/16/83 OPEN	
5.5.3.d	Have the CPSES Emergency Plan and Emergency Plan Procedures been reviewed, approved, and updated as required?	RBW	CLOSED R- During the program development phase, the CPSES Emergency Plan and Emergency Plan Procedures have been periodically revised to reflect changes in organization, facilities, equipment, and procedural methods.
5.5.3.e	Have changes been distributed in accordance with the approved distribution list?	GLB	CLOSED R- Yes.
5.5.3.f	Is the plan and procedure distribution correct?	GLB	CLOSED R- Yes.
5.5.3.g	Are the names, titles and phone numbers listed in the Emergency Plan Procedures correct?	GLB 09/23/83 OPEN	C- Resolution pending SORC approval of Procedure EPP-203, Rev. 3.
5.5.4	Audits		
5.5.4.a	Are the CPSES Emergency Plan and Emergency Plan Procedures audited at least every 12 calendar months?	GWS 09/16/83 OPEN	

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITTEE	STATUS	DATE	RESOLUTION/COMMENTS
5.5.4.b	Do these audits involve discussions with personnel and inspection of equipment rather than just a paper review?	GWS	09/16/83	OPEN	
5.5.4.c	Do these audits include the observation of drills (the audit team should be in addition to those observers normally required)?	GWS	09/16/83	OPEN	
6.0	COORDINATION WITH OFFSITE GROUPS				
6.1	Offsite Agencies				
6.1.a	Does each agency representative express an understanding of his responsibilities and procedures in response to an emergency at CPSES that is consistent with any Letters of Agreement and licensee procedures, and the expectations of both parties?	None		CLOSED	C- This question will be addressed as part of the NRC Emergency Preparedness Appraisal.
6.1.b	Has the licensee contacted these agencies either for the purpose of drills and exercises (refer to Item Nos. 7.0 and 5.5.2) or training (refer to Item No. 3.0)?	RBW		CLOSED	R- Yes. Refer to the numerous pieces of correspondence between TUGCO and State and county officials and agencies.
6.1.c	Are the agencies having emergency response roles within the 10-mile EPZ provided with controlled copies of the CPSES Emergency Plan and Emergency Plan Procedures in accordance with the plan and procedure distribution list (refer to Item No. 5.5.3)?	GLB		CLOSED	R- Yes. Refer to the FSAR Distribution List maintained by the TUGI Licensing Department and the Procedure Master Distribution List maintained at CPSES. These lists will be updated as necessary.
6.1.d	Does each agency representative express satisfaction with the coordination efforts of the licensee in relation to:			CLOSED	R- All items listed below have been closed out.
6.1.d.(1)	Notifications?	None		CLOSED	C- This question will be addressed as part of the NRC Emergency Preparedness Appraisal.

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ITEM NO.	IMPLEMENTATION AREA	RESP COMMITMENT STATUS DATE	RESOLUTION/COMMENTS
6.1.d.(2)	Frequency and nature of training provided?	None	CLOSED C- This question will be addressed as part of the NRC Emergency Preparedness Appraisal.
6.1.d.(3)	Routine planning information exchange?	None	CLOSED C- This question will be addressed as part of the NRC Emergency Preparedness Appraisal.
6.1.e	Are the licensee's protective action recommendations consistent with those of the offsite agencies?	WCC	CLOSED R- Yes. Both TUGCO and the State of Texas utilize the same Protective Action Guides to formulate protective action recommendations. Refer to Procedure EPP-304 and the Texas Radiological Emergency Management Plan.
6.1.f	Have the key offsite agencies reviewed the response actions to be taken for each Emergency Action Level and the associated protective action recommendations?	WCC	CLOSED R- Yes. The TUGCO, State and county emergency response organizations all utilize the same Emergency Action Levels and Protective Action Guides. The TUGCO response actions have been reviewed with the offsite agencies in training and drill activities.
6.1.g	Are the agreements/contracts between the licensee and the various offsite groups current?	GLB 09/23/83	OPEN C- The various Letters of Agreement are currently being reviewed and updated as necessary. Resolution pending the completion of the documentation of this review.
6.1.h	Will the offsite groups honor these agreements?	None	CLOSED C- This question will be addressed as part of the NRC Emergency Preparedness Appraisal.
6.2	General Public		
6.2.a	Does the licensee provide for the dissemination of emergency preparedness planning information to the public with the Plume Exposure EPZ, including the transient population?	TLG 11/04/83	OPEN C- The revised Emergency Planning Guide will be mailed to all residents of Hood County and Somervell County by 09/16/83. Information for the transient population will be posted by 11/01/83.
6.2.b	Is the emergency action information coordinated with the State and local agencies?	TLG	CLOSED R- Yes. The original Emergency Planning Guide was reviewed and approved at the State level by the Division of Emergency Management, and at the local level by the County Judges.

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ITEM NO.	IMPLEMENTATION AREA	RESP	COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
6.2.c	Is the information updated and disseminated at least annually?	TLG		CLOSED	R- Normally, the Emergency Planning Guide will be mailed to the local residents on an annual basis. If required, the Emergency Planning Guide will be revised and disseminated on a more frequent basis.
6.2.d	Does the information provided to the public tell how they will be notified and what their actions should be in the event of an emergency?	TLG		CLOSED	R- This item is addressed in the Emergency Planning Guide.
6.2.e	Does this public information include accurate, understandable information about radiation?	TLG		CLOSED	R- This item is addressed in the Emergency Planning Guide.
6.2.f	How is the dissemination of this public information accomplished (e.g., included as part of the telephone book and/or with utility bills, or posted in public places)?	TLG	11/04/83	OPEN	C- The Emergency Planning Guide is mailed to all residents of Hood County and Somervell County. Information will also be included in future issues of the local telephone books. Information for the transient population will be posted in public places.
6.2.g	Is the information in a form that is likely to be available in a residence during an emergency?	TLG		CLOSED	R- Yes. The Emergency Planning Guide is provided in booklet form to local residents.
6.2.h	Is the information in a form that is likely to be available and observable in public areas (e.g., recreation areas)?	TLG	11/04/83	OPEN	C- Yes. Posters will be utilized to inform the transient population.
6.2.i	Does the utility provide a contact point for additional information?	TLG		CLOSED	R- Yes. Additional information may be obtained from the CPSES Public Information Department.
6.2.j	Does the utility have a program for disseminating the news media with:				
6.2.k	Emergency response plans?	TLG	09/23/83	OPEN	

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ITEM NO.	IMPLEMENTATION AREA	RESP	COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
6.3.a.(2)	Points of contact for the release of public information?	TLG	09/23/83	OPEN	
6.3.a.(3)	Space allocated for their use?	TLG	09/23/83	OPEN	
6.3.a.(4)	Information about radiation?	TLG	09/23/83	OPEN	
6.3.a.(5)	Normal plant operation versus operation under accident conditions?	TLG	09/23/83	OPEN	
6.3.a.(6)	Accident sequences?	TLG	09/23/83	OPEN	
6.3.b	Is the program conducted annually?	TLG	09/23/83	OPEN	C- It is planned that a news media backgrounder program will be conducted annually during the same week as the conduct of the annual Field Exercise.
6.3.c	Has the program been conducted at least once?	TLG	12/13/83	OPEN	C- No. The initial news media backgrounder program will be conducted prior to the Field Exercise in December, 1983.
7.0	DRILLS AND EXERCISES				
7.1	Program Implementation				
7.1.a	Have all drills and exercises required by the CPSES Emergency Plan and Emergency Plan Procedures been conducted?	RBW	12/14/83	OPEN	
7.1.b	Have these drills and exercises been conducted in accordance with established procedures?	RBW	12/14/83	OPEN	
7.1.c	Have drill-identified improvement items been resolved?	RBW	09/23/83	OPEN	
7.1.d	If not, are these items receiving priority attention commensurate with their importance?	RBW	09/23/83	OPEN	

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7.1.e	Were drills coordinated with offsite agencies and groups to include their participation and comments?	RBW	09/23/83	OPEN	C- For those all-agency drills conducted to date, all participants have been included in the planning process and their comments have been invited. The planning efforts associated with the Field Exercise have included Federal, State and county input.
7.2	Walk-Through Observation				
7.2.a	Has the capability been demonstrated to notify responsible State and local authorities of the appropriate protective actions within 15 minutes of the recognition of the emergency conditions?	RBW	09/23/83	OPEN	C- This capability will be tested during the mini-drill program, and further tested in subsequent drills which include State and local participation.
7.2.b	Did the observed individuals demonstrate the basic skills and knowledge necessary to perform their assigned task(s)?	RBW	09/23/83	OPEN	C- Individuals' performances under simulated accident conditions will be evaluated as part of each drill conducted.
7.2.c	Were the equipment and facilities specified in the applicable procedures used to complete the assigned tasks?	RBW	09/23/83	OPEN	C- Proper and efficient use of equipment and facilities will be evaluated as part of each drill conducted.
7.2.d	Were the equipment and facilities operable and adequate?	DCK	09/23/83	OPEN	C- Adequacy of the equipment and facilities will be evaluated as part of each drill conducted.
7.2.e	Were the procedures understandable to the user, up-to-date, and complete?	RBW	09/23/83	OPEN	C- Adequacy of the Emergency Plan Procedures will be evaluated as part of each drill conducted.
7.2.f	Were any impediments to the timely and effective performance of the following observed:				
7.2.f.(1)	Detection of emergency conditions (EAL recognition)?	RBW	09/23/83	OPEN	C- This item will be evaluated as part of the various drills and the mini-drill program.

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ITEM NO.	IMPLEMENTATION AREA	RESP	COMMITMENT DATE	STATUS	RESOLUTION/COMMENTS
7.2.f.(2)	Emergency classification?	RBW	09/23/83	OPEN	C- This item will be evaluated as part of the various drills and the mini-drill program.
7.2.f.(3)	Notifications to the NRC, State authorities, local authorities, licensee site organization, and licensee augmentation organization?	RBW	09/23/83	OPEN	C- This item will be evaluated as part of the various drills and the mini-drill program.
7.2.f.(4)	Dose projection calculations with the radiation monitors operable and with the radiation monitors inoperable, and using field survey results?	WCC	09/23/83	OPEN	C- This item will be evaluated as part of the various TUGCO drills and the mini-drill program as well as subsequent drills involving State and local participation.
7.2.f.(5)	Post-accident reactor coolant sampling and analysis (3-hour standard)?	GJL	09/23/83	OPEN	C- This item will be evaluated as part of the mini-drill program.
7.2.f.(6)	Containment atmosphere sampling and analysis (3-hour standard)?	GJL	09/23/83	OPEN	C- This item will be evaluated as part of the mini-drill program.
7.2.f.(7)	Stack effluent sampling and analysis (3-hour standard)?	GJL	09/23/83	OPEN	C- This item will be evaluated as part of the mini-drill program.
7.2.f.(8)	Liquid effluent sampling and analysis (3-hour standard)?	GJL	09/23/83	OPEN	C- This item will be evaluated as part of the mini-drill program.
7.2.f.(9)	In-plant radioiodine sampling and analysis (3-hour standard)?	GJL	09/23/83	OPEN	C- This item will be evaluated as part of the mini-drill program.
7.2.f.(10)	Offsite environmental sampling and analysis, including sampling and analysis for noble gases, radioiodines, particulates and contamination?	RBW	09/23/83	OPEN	C- This item will be evaluated as part of the TUGCO Radiological Assessment Drill and the TUGCO Full-Scale Drill as well as subsequent drills involving State and local participation.
7.2.f.(11)	Protective action decision-making?	WCC	09/23/83	OPEN	C- This item will be evaluated as part of the various TUGCO drills and the mini-drill program as well as subsequent drills involving State and local participation.