L Recovery and Re-entry

This section of the Plan discusses the requirements for recovery and reentry into evacuated areas of the Station following an emergency condition.

L.1 Recovery Responsibility and Initiating Conditions

The Station Emergency Response Organization is responsible for the overall coordination and management of the recovery effort and for the technical and administrative services, construction, design work, scheduling/planning, quality control/assurance, and vendor support necessary during the initial stages of the recovery phase.

The Emergency Director has full authority to take immediate and decisive steps to mitigate the consequences of any nuclear emergency and for protection of the health and safety of the public. The Station Emergency Response Organization's effort during emergencies is viewed as a long term effort requiring the Station Emergency Response Organization to be present 24 hours per day.

The Station Emergency Response Organization is composed of, or can incorporate as needed, all the necessary technical, administrative, managerial, and support personnel that may be required for recovery. The organization is capable of 24 hour per day sustained operation by providing that each emergency position has the capability of being filled by any of three normal organization personnel.

The Emergency Director shall make the decision to proceed from the emergency phase to the recovery phase (with concurrence of State, County and NRC agencies if a Site Area or General Emergency was declared). The Station Emergency Response Organization's responsibilities extend into the Recovery phase until a decision is made by the Emergency Director (with concurrence from State, County and NRC agencies if a Site Area or General Emergency was declared) that the Station parameters and other pertinent criteria allow termination of the event and return to the normal Station operation.

The Recovery Phase can be entered when all the following conditions are met:

- *The emergency conditions no longer exist and the plant is in a stable, shutdown, and safe condition.*
- *The potential for uncontrolled releases of radioactive material to the environment no longer exists.*
- *Major repairs, if required, have been identified in order to return the plant to operation.*
- *If the event was either a Site Area Emergency or General Emergency, concurrence from the NRC, State, and County has been obtained.*

L.2 Recovery Conduct

Accounting for the particular situation, the Recovery phase will be conducted to restore the Station to normal operating conditions. Some emergency classifications (i.e., Unusual Event, Alert) may require only brief or no recovery actions where more severe classifications (i.e., Site Area Emergency, General Emergency) may necessitate complex recovery actions.

L.3 Recovery Phase

In general, the Recovery phase will consist of:

- *Logical evaluation of the cause and effect of the emergency;*
- *Planning necessary activities to place the Station in a configuration ready for restart;*
- *Analysis of the exposures to Station personnel;*
- *Analysis of effluent, and environmental data to quantify offsite consequences, if any;*
- *Assembly of the Recovery Organization needed to expediently implement recovery; and,*
- *Implementation of radiological controls for reentry into affected areas by posting radiation, contamination, and airborne radioactive material warning signs and entry requirements and stay times based on current surveys.*

L.4 Recovery ALARA Philosophy

During Recovery, actions will be taken to maintain the Station exposures As Low As Reasonably Achievable (ALARA) in keeping with current management philosophy. Access to affected areas will be in accordance with Title 10 Code of Federal Regulations Part 20 and Environmental Protection Agency 400-R-92-001, Manual of Protective Action Guides and Protective Actions For Nuclear Incidents. All emergency worker exposures will be completely documented. Controlled areas will be posted with contamination, radiation and airborne levels based on current surveys. Stay times will be calculated for each unknown or high radiation area. Offsite population dose will be calculated by processing thermoluminescent dosimeters located in the Station 10-mile Emergency Planning Zone and using radiological dose assessment/projection models in accordance with procedure 0ERP01-ZV-TP01, Offsite Dose Calculations.

L.5 Recovery Initiation

Decisions to relax protective actions for the public will be made by the appropriate State authorities. The Emergency Director will notify the State Disaster District Sub-2C in Pierce or the State Operations Center in Austin, Matagorda County Emergency Management, and the Nuclear Regulatory Commission when the Station is returned to a safe condition and request that recovery actions be initiated as necessary.

L.6 Recovery Organization

Once recovery is declared, a Recovery Organization for performing recovery activities will be established as needed. This organization as defined in 0ERP01-ZV-RE01, Recovery Operations, shall consist of as a minimum:

- *Recovery Manager - The Emergency Director, or his designee, will function as the Recovery Manager. The Recovery Manager is responsible for returning the plant to a restart configuration.*
- *Personnel in the Station Emergency Response Organization should be integrated into the Recovery organization.*
- *The NRC, State of Texas, and Matagorda County Emergency Management shall be informed of the formation of the Recovery organization.*

L.7 Recovery Procedures and Documentation

The activation of the Recovery Organization shall be determined by the Emergency Director in accordance with Emergency Response Procedure 0ERP-ZV-RE01, Recovery Operations. Activation of or changes to the Recovery Organization shall be announced to the Station Emergency Response Organization on duty and to all offsite agencies involved in the emergency classification.

All normal plant procedures will be followed unless specifically superseded by Recovery procedures. Recovery procedures are temporary procedures and will be deleted upon completion of the Recovery effort. Documentation of the emergency event shall be documented in accordance with 0ERP01-ZV-RE02, Documentation.

L.8 Recovery Actions for General Public

Offsite Recovery actions for the public are the responsibility of the County authorities.

L.9 Termination

Termination of the event shall be followed by written reports to cognizant authorities. The emergency condition is terminated when any of the following items are met:

- *The emergency condition no longer exists and the plant is ready to return to normal operations.*
- *Repair activities are minor, the reactor is subcritical, and the plant is in a stable shutdown mode (at least Mode 3).*

L.10 Exposure Authority

All questions of radiation exposure for emergency workers above the administrative limits of the Station will be directed to the Emergency Director. The Emergency Director is the only authority for extension of radiation exposures in excess of Title 10 Code of Federal Regulations Part 20 limits.