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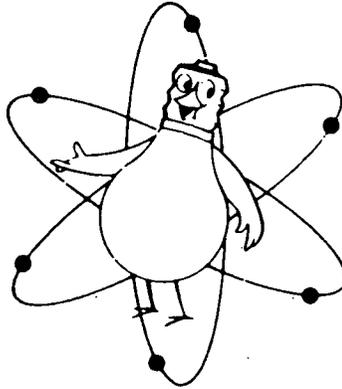
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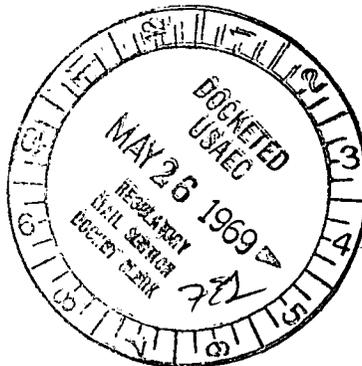
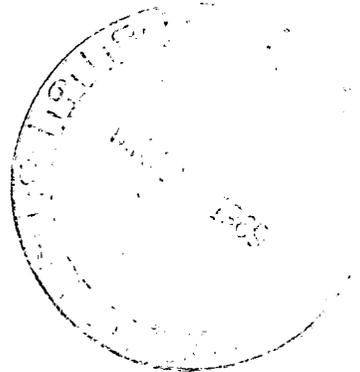
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GENERATING STATIONS EMERGENCY PLAN  
(GSEP)

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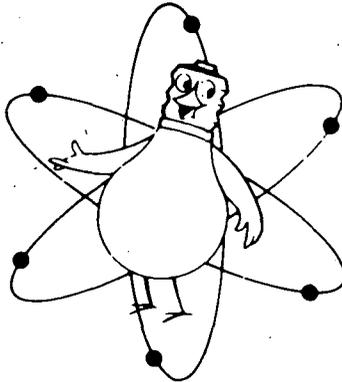


Commonwealth Edison Company  
72 West Adams Street  
Chicago, Illinois 60690  
312-726-1200



May 6, 1969

GENERATING STATIONS EMERGENCY PLAN  
(GSEP)



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72 West Adams Street  
Chicago, Illinois 60690  
312-726-1200

Mr. \_\_\_\_\_:

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# GENERATING STATIONS EMERGENCY PLAN (GSEP)

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PREFACE

This Generating Station Emergency Plan (GSEP) is an emergency plan applicable to all generating facilities owned and operated by Commonwealth Edison Company. This plan has as its objectives, the protection of the health and safety of the public including Commonwealth's employes, the limitation of damage to facilities and property, and the restoration of such facilities or property in the event of an accident occurring at any such generating facility.

The GSEP has been developed as a counterpart to Commonwealth's Emergency Restoration of Power (ERP) Program, an emergency plan applicable to its transmission and distribution facilities which reflects extensive experience in handling emergencies. Additionally, the GSEP organization, methods and procedures are similar in many respects to those incorporated in the emergency plans of other large industrial organizations and governmental agencies.

The GSEP sets forth the plan objectives and describes the related emergency organization including assignments of authority and responsibility. The GSEP provides for detecting and evaluating emergency conditions, establishing protective action levels, and protective measures when such levels are exceeded, communications, liaison with off-site support groups including Federal, State and local governmental authorities, document review and control, periodic emergency preparedness assessment, and training of the participating personnel.

1.0 GENERATING STATIONS EMERGENCY PLAN (GSEP) SUMMARY1.1 Scope

This Generating Stations Emergency Plan (GSEP) is an emergency plan applicable to all generating facilities owned or operated by Commonwealth Edison Company (Commonwealth) including its nuclear reactor facilities licensed by the U.S. Atomic Energy Commission (AEC).

1.2 Purpose

The purpose of this plan is to define the organization and strategy for responding to and dealing effectively with all reasonably foreseeable potential emergency situations which could occur at Commonwealth's generating facilities. Detailed emergency procedures are provided for each such facility which describe in detail the actions to be taken at a facility experiencing an emergency.

### 1.3 General

The GSEP has as its fundamental objectives the protection of the health and safety of the public including Commonwealth's employes, the limiting of damage to its facilities and property, and the restoration of such facilities in the event of an accident occurring at any of its generating stations.

The GSEP describes the emergency organization including assignments of authority and responsibility and provides for detecting and evaluating emergency conditions, establishing protective action levels and the protective measures to be taken when such levels are exceeded, emergency communications liaison with off-site support groups including Federal, State and local governmental authorities, document review and control, periodic emergency preparedness assessment, and the training of participating personnel.

The GSEP considers the spectrum of accidents which are considered credible and provides that detailed procedures be prepared for dealing with them. With respect to nuclear reactor facilities, such procedures have been prepared for situations ranging from minor accidental releases of radioactive material within the confines of the site to the design basis accident discussed in the Safety Analysis Report of the respective reactor facility on file with the AEC.

## 1.4 Definitions

### 1.4.1 Generating Facility

A particular generating unit and its associated auxiliary equipment.

### 1.4.2 Generating Station

That area of a generating station encompassed by the security fence and under access control of the plant personnel. With respect to nuclear facilities, the station is the "exclusion area" as defined in Section 100.3(a) of 10 CFR 100 of the AEC's regulations and described in the Safety Analysis Report for the respective nuclear facility and on file with the AEC.

### 1.4.3 On-Site

That area within the site defined in 1.4.2 above.

### 1.4.4 Off-Site

That area outside the site as defined in 1.4.2 above. For nuclear facilities, this shall generally be considered within the "low population zone" as defined in Section 100.3(b) of 10 CFR 100 of the AEC's regulations.

### 1.4.5 Accident

An event involving a generating facility which results in an emergency.

### 1.4.6 Emergency

A situation resulting in undue risk to the health and safety of the public including Commonwealth's employees.

Emergencies are divided into two categories.

#### A. On-Site Emergency

An on-site emergency is a situation resulting in a hazard only within the site boundary. Such emergencies are further classified as:

1. Local - emergencies which can be handled by available on-site personnel and for which there results no undue risk to the health and safety of the public.
2. Site - emergencies which require the assistance of off-site personnel and for which there results no undue risk to the health and safety of the public.

B. Off-Site Emergency

An Off-site emergency is a situation resulting or having the potential of resulting in a hazard outside the confines of the site which may affect adversely the health and safety of the public. Assistance from Federal, State and local agencies would usually be required.

For purposes of this document, an off-site emergency is defined as consisting of three stages:

- A. Alert Stage - occurs when it is determined that there is a significant probability of an emergency occurring or that an emergency has occurred or is suspected to have occurred.
- B. Diagnostic and Initial Action Stage - occurs immediately upon substantial release or suspected substantial release of radioactive or noxious substances from their intended place of confinement or when such release is imminent and shall continue until the hazard has been evaluated and protective measures have been initiated or determined not to be required.
- C. Protection and Recovery Stage - occurs when the diagnostic and initial action stage has been concluded and shall continue until recovery measures have been completed.

1.4.7 Nuclear Incident

The discharge or dispersal of radioactive material from its intended place of confinement in substantial amounts off-site,

or causing radiation levels off-site in excess of those permitted for unrestricted areas in 10 CFR 20 of the AEC's regulations.

#### 1.4.8 Emergency Plan (GSEP)

A document providing the bases for action to be taken in dealing effectively with all reasonably foreseeable potential accidents or emergency situations .

#### 1.4.9 Emergency Procedures

Documents defining in detail the implementation, strategy and techniques required to achieve the objectives of the emergency plan for each set of circumstances set forth in the plan. Such procedures may, in some instances, incorporate normal plant operating procedures by reference. Emergency procedures shall be separate from the regular operating procedures for the generating facility.

#### 1.4.10 Nuclear Medical Plan

A section of the GSEP establishing the bases for actions to be taken in providing for decontamination, administering of first-aid and for diagnosis and the treatment of employees or persons injured as the result of a nuclear incident occurring at any generating facility.

#### 1.4.11 Recovery Plan

A section of the GSEP providing the bases for actions to be taken in recovering from an emergency or nuclear incident.

#### 1.4.12 Protective Action Levels

Predetermined values for monitored variables which, when exceeded, dictate implementation of the emergency procedures.

#### 1.4.13 Protective Measures

Those actions required to reduce the risk to the health and safety of the public including Commonwealth's employees in the event of an emergency.

## 1.5 Organization - Authority and Responsibility

Three principal groups may function in the event of an emergency at a generating facility. They are Commonwealth, the State of Illinois, and the Federal government. The areas of responsibility and authority together with the interrelationships among the groups are outlined in the following paragraphs.

### 1.5.1 Commonwealth Edison Company

Commonwealth is responsible for detecting, evaluating and reporting an emergency, determining and implementing measures for terminating the condition causing the emergency, and with respect to activities on-site, limiting the damage to facilities and property, and protecting the public and station personnel. Commonwealth will also determine and implement the necessary on-site post accident recovery measures.

Commonwealth is responsible for determining whether an emergency within the facility has the potential of affecting the public and will, under the prudent man rule of law, take whatever initial off-site actions are necessary to protect the public.

For an off-site emergency, Commonwealth shall be responsible for alerting the AEC Division of Compliance; and will request assistance from the AEC Chicago Operations Office, and the Illinois Department of Public Health.

In the case of an accident involving the transportation of radioactive material owned by Commonwealth, Commonwealth is responsible for providing assistance to public authorities as required and ensuring that appropriate measures are taken for limiting the consequences of a nuclear incident and restoring the environs to an acceptable condition. Commonwealth will provide

adequate emergency instructions describing notification and emergency procedures, and ensure that such instructions accompany each shipment of such material.

Commonwealth is also responsible for providing appropriate information to the news media on a timely basis and, with respect to nuclear incidents, coordinating the content and release of such information with the AEC and the State of Illinois Department of Public Health and other public authorities.

#### 1.5.2 Federal Government.

The Federal government has established the Interagency Radiological Assistance Plan (IRAP), which provides for the coordination of its agencies in dealing with radiological incidents. The capabilities and expertise of the respective Federal agencies are made available under IRAP to the AEC for use as required in protecting the public. The AEC's regional operations offices implement IRAP for their respective regions. IRAP provides for coordination with agencies of State and local government; however, assistance provided shall not abridge State or local authority.

The AEC Chicago Operations Office, located at Argonne National Laboratory, has radiation monitoring capability available and is prepared to implement IRAP in a region encompassing all of Commonwealth's nuclear generating facilities. It will take immediate and initial actions to protect the public, and will obtain assistance from other IRAP agencies as required. It will, as requested, assist in the off-site emergency campaign during the diagnostic and initial action stage.

The Chicago Operations Office will, upon request, participate in the monitoring of the off-site areas affected and analysis of field data, recommend initial measures to be taken off-site for protecting the public, and advise appropriate State and Federal agencies of protective action to be taken under their respective statutory powers. It will also advise Commonwealth of these actions.

The AEC Chicago Operations Office will, to the extent they are available during the protection and recovery stage, continue to advise the Illinois Department of Public Health and provide monitoring and analytical capability as requested.

### 1.5.3 State of Illinois

The Illinois Department of Public Health has statutory responsibility for public health in the State of Illinois. It is authorized to take action necessary for protecting the public from ionizing radiation. The Department of Public Health has responsibility for protecting the public off-site during the emergency and as such will be responsible for monitoring the off-site areas affected, analyzing field data, determining measures to be taken for protecting the public, and informing the other governmental agencies of protective action to be taken under their respective statutory powers.

### 1.5.4 Liaison with Off-Site Support Groups

The GSEP incorporates arrangements for enlisting the aid available under the Interagency Radiological Assistance Plan in the emergency campaign off-site during the diagnostic and initial action and protection and recovery stages. The Illinois Department of Public Health will have responsibility for coordinating

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the off-site emergency campaign during both stages and will have access to the advice and assistance of the AEC and Commonwealth.

Commonwealth will maintain close liaison with the Illinois Department of Public Health, the AEC Chicago Operations Office, and the AEC Division of Compliance throughout the emergency campaign.

1.6 Detection and Identification

The GSEP will be activated whenever an emergency is detected. Emergencies will be detected by facility instrumentation or observation of facility equipment malfunction. In the case of a transportation accident, the GSEP will be implemented as required upon receipt by Commonwealth of notification.

1.6.1 Evaluation

The emergency procedures will provide for the evaluation of all reasonably foreseeable potential emergency situations to determine the hazard or potential hazard to the health and safety of the public including Commonwealth's employes and the extent of damage to facilities and property.

1.6.2 Protective Action Levels

The emergency procedures will establish predetermined protective action levels for reasonably foreseeable emergency situations having the potential of affecting the health and safety of the public or Commonwealth's employes. Such protective action levels will be expressed in terms of facility variables which are continuously monitored or alarmed at the facility or which can readily be determined by field measurement.

1.6.3 Protective Measures

The emergency procedures will provide for specific protection measures to be taken whenever the protective action levels are exceeded. Such measures shall include, restricting access, taking cover, wearing protective clothing or devices,

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evacuating affected areas, quarantining, rerouting traffic,  
initiating special measuring activities, etc.

1.7 Communications Plan

When an emergency is detected at the facility, the station personnel will notify Commonwealth's General Office Load Dispatcher who is on duty 24 hours a day. If the emergency involves a nuclear facility licensed by the AEC, the General Office Load Dispatcher will alert the AEC Chicago Operations Office and Commonwealth's GSEP Command Center Director. The GSEP Command Center Director will then notify the State, the AEC Division of Compliance and others as prescribed under the detailed procedures in the GSEP. Both the Illinois State Police and the AEC Chicago Operations Office have duty officers available 24 hours a day to facilitate notification of their respective agencies.

1.8 Emergency Preparedness

The proficiency of the personnel participating in the GSEP is ensured by assigning persons to duties which are similar to those performed as a part of their regular work assignments. Additionally, many of the special functions of the GSEP are common to the ERP Plan and, insofar as possible, the same persons shall perform similar functions for both plans. The GSEP is a flexible plan adaptable to any particular emergency, and portions of the GSEP shall be activated and discontinued as necessary until the emergency is terminated. Practice drills will be conducted periodically.

1.9 Public Information

The GSEP provides for supplying the news media with appropriate information on a timely basis and, with respect to nuclear incidents, coordinating the content and release of such information with the AEC and the Illinois Department of Public Health and other public agencies as appropriate.

1.10 Nuclear Medical Plan

Commonwealth's Medical Plan, while limited to radiation injury cases, parallels its existing plans for treatment of injured persons not involving radioactivity. In both plans, nearby hospitals are available for immediate emergency care for the injured, and major metropolitan area hospitals are used to provide specialized treatment and long-term care where a specialized staff and equipment are required. This plan provides for the specialized needs required respecting radiation injuries.

1.11 Security Measures

Commonwealth provides security plans for each of its generating stations. These security plans provide for facility barriers and operational control measures precluding unauthorized entry and tampering with equipment. With respect to nuclear facilities, these controls also restrict entry into high radiation areas.

1.12 Recovery Plans

The GSEP Recovery Plan provides the bases for preparation of detailed procedures applicable to each respective nuclear generating facility. All major recovery measures shall be performed in accordance with written procedures which have been reviewed independently by a qualified person. Procedures covering such activities as radiation dose management, decontamination and standard practices shall be maintained at each such facility. Specific recovery procedures can only be developed following evaluation of the damage sustained.

2.0 ORGANIZATION - AUTHORITY AND RESPONSIBILITY2.1 Commonwealth Edison Company Organization-General

Commonwealth's generating stations report to its Manager of Production.

One of Commonwealth's Operating Divisions is assigned responsibility for providing supporting services to each generating station. These services include industrial relations, non-nuclear electrical apparatus testing, maintenance, and repair and public relations. In the regular course of Commonwealth's business, these Operating Divisions are also responsible for distribution design, construction and operating activities, commercial business, industrial relations and public relations within their respective geographical areas.

The GSEP is divided into four action level groups. These action level groups generally parallel Commonwealth's regular organization. Under the GSEP, the leadership of each GSEP action level group will determine how many people to activate depending upon the nature and extent of the emergency. Key members of each

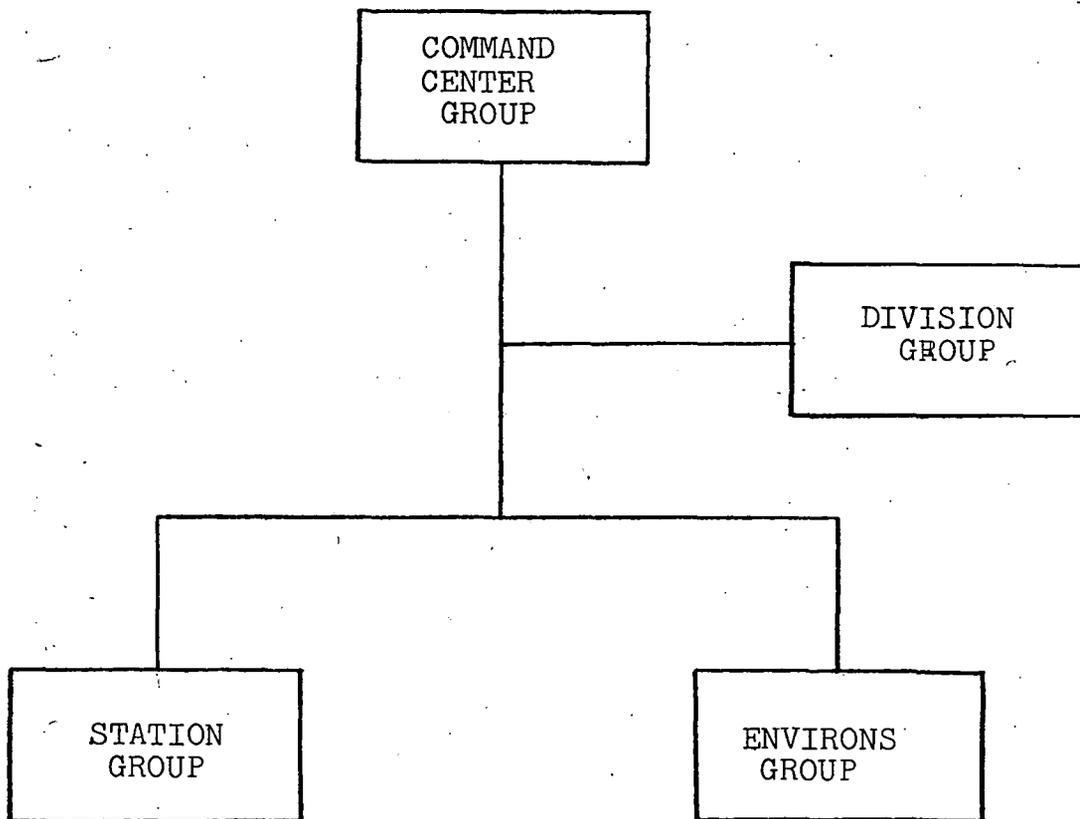


Figure 2.1-1  
Commonwealth Edison GSEP Organization

group shall be selected and trained in advance of assignment to any emergency situation. The four action level groups are shown on Figure 2.1-1.

There are a number of additional personnel available to the emergency effort. Commonwealth has access to the services of other utilities. In addition, the company has consultants from area universities who specialize in radiation health and agricultural and biological effects of radiation. Arrangements have also been made with appropriate hospitals for the care of persons with radiation injuries. These services are available through the Medical Director at the GSEP Command Center. Similar arrangements have been made with an ambulance service located in proximity to each generating facility and a hospital in the vicinity of each nuclear plant is on an on-call emergency basis standing ready to receive, decontaminate and initially treat radiation injury cases brought to it by Commonwealth.

Commonwealth retains a contractor to monitor routinely the radiological aspects of the environment surrounding its nuclear plants. This contractor is available for special environmental monitoring under emergency conditions.

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Private contractors capable of performing aerial radiation surveys are available through IRAP.

## 2.2 Command Center Group

This sub-section lists the areas of responsibility and authority for all key personnel in the GSEP Command Center Group. Each statement consists of a set of objectives for the position and a list of responsibilities and authorities.

The Command Center functions under a Director and his staff who are responsible for evaluating, coordinating, and directing the overall activities involved in coping with the emergency. The GSEP Command Center Staff responsibilities include intelligence, logistics, engineering support, medical care, manpower requirements, communications, aerial logistics, engineering, accounting, legal and information. The GSEP Director is also responsible for coordination with governmental agencies as set forth in Section 3.0 of the GSEP. The Command Center is located at Commonwealth's General Office. A diagram of the Command Center organization is shown in Figure 2.2-1.

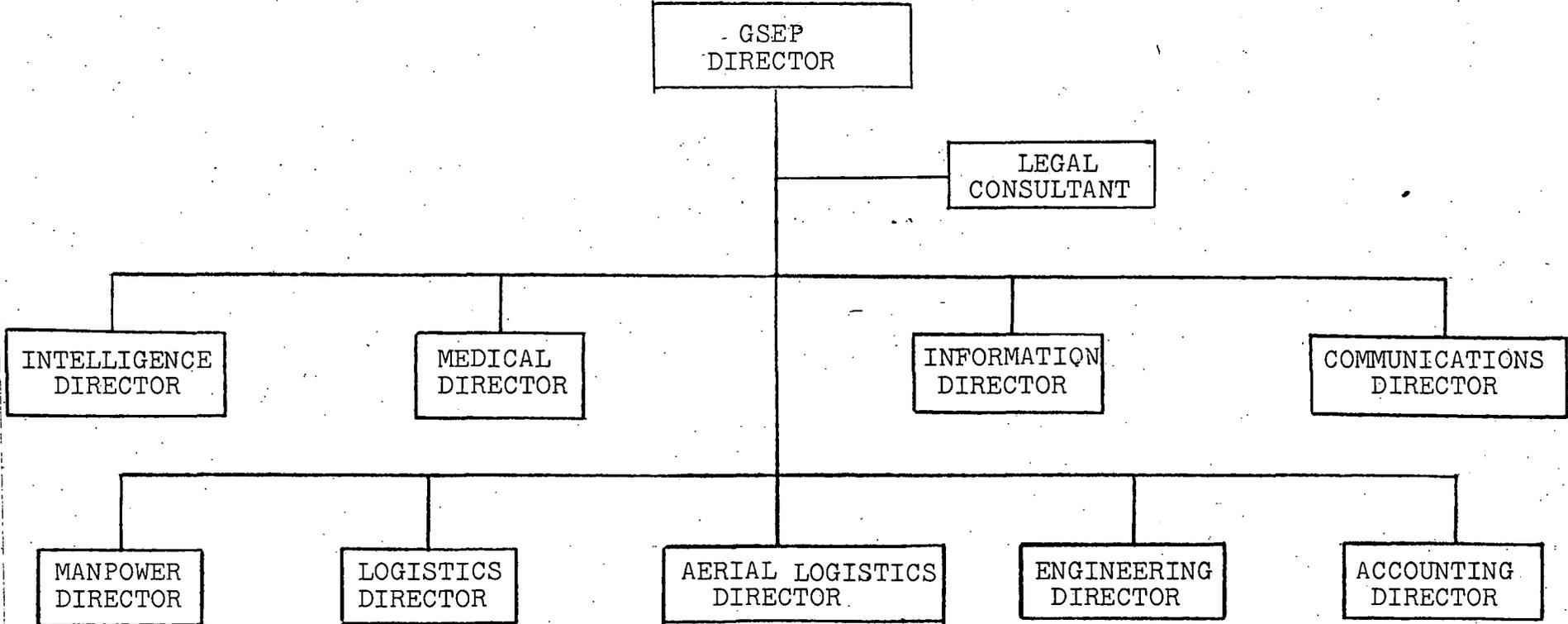


Figure 2.2-1.  
GSEP Command Center Group Organization

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2.2.1 DirectorOBJECTIVES

1. Have responsible charge of the GSEP Command Center and direct its staff in coordinating all company activities involved in the accident campaign on-site.
2. Coordinate Commonwealth's efforts with the State and Federal Agencies involved in the off-site aspects of the accident campaign.
3. Ensure that appropriate measures are taken on-site promptly to:
  - i. terminate the condition causing the emergency,
  - ii. protect employes and the public,
  - iii. minimize the damage to the plant,
  - iv. affect post accident recovery and,
  - v. inform the public.

Responsibilities

1. Obtain an evaluation from the Station GSEP Director concerning the station's ability to handle the emergency.

2. Ensure that personnel are called properly to staff the GSEP Command Center as required.
3. With respect to emergencies at nuclear plants, notify AEC Division of Compliance, AEC Chicago Operations Office, Illinois Department of Public Health, and Illinois State Police of the emergency and of emergency actions taken and keep them informed of the status of the emergency.  
  
Maintain continuing liaison with these agencies throughout the accident campaign.
4. Activate the GSEP Division and Environs organizations when necessary.
5. Maintain contact with the persons in-charge in the GSEP Division and Station groups and ensure that their needs are met.
6. Determine when and where the manpower and equipment in the company should be sent and make decisions concerning when to call the AEC or the State of Illinois for assistance.
7. Keep advised of the status of the following off-site information:

- a. Condition of air, food, water and vegetation samples from the environs and the station.
    - i. Survey reports from the environs and the station.
    - ii. Meteorological information.
  - b. Measures taken for protecting the public.
8. Report to top management on the progress being made in the GSEP operation.
9. To the extent possible, render assistance to the AEC Chicago Operations Office and the Illinois Department of Public Health in connection with nuclear incidents by providing:
- a. Information on the status on-site.
  - b. Technical assistance
  - c. Manpower
  - d. Equipment
10. Review adequacy of measures being taken on-site to terminate the condition causing the emergency and mitigating the consequences of the accident.
11. Review the adequacy of the measures taken to inform the news media and public of the emergency.

12. Maintain accurate records of decisions made and actions started and completed.

Authority

1. The GSEP Director shall have authority to direct the GSEP Organization and take those actions necessary to carry out the above described responsibilities in a manner consistent with the objectives of this plan.

## 2.2.2 Intelligence Director

### OBJECTIVES

1. Direct a staff in gathering and displaying information concerning the emergency.

### Responsibilities

1. Make use of all sources of information such as:
  - a. Aerial and ground surveys
  - b. Reports from site personnel
  - c. Site meteorological data
  - d. Off-site environs stations
  - e. Weather forecasts
2. Evaluate the periodic report from the station organizations to determine trends and make judgments as to the extent, seriousness, and location of the emergency.
3. Advise the Command Center Director of recommended size of emergency force required.
4. Determine in advance how best to show the accident area and personnel deployment. Map plotting, prepared reports, photographs, and other means applicable should be used in order to make the most effective use of the data.
5. Compile all information received from GSEP, State, and AEC personnel with respect to nuclear incidents and advise the Command Center Director of the status of the overall condition.

6. Have periodic calls made to Commonwealth's consultant meteorologist or to the U.S. Weather Bureau to get up-to-date area meteorological information.
7. Keep records of all information pertaining to the operation.

Authority

1. The Intelligence Director shall have authority to acquire information and direct the GSEP Intelligence Staff as necessary to carry out the above assigned responsibilities in a manner consistent with the objectives of the GSEP.

2.2.3 Medical DirectorOBJECTIVES

1. Provide guidance and planning for first aid, medical and health physics problems arising from the emergency.

Responsibilities

1. Arrange for medical assistance for persons who have received radiation exposures or other injuries.
2. Recommend first aid and decontamination techniques for personnel requiring aid in the emergency area.
3. Assure that arrangements with the appropriate hospitals have been made for the emergency care and admission of patients involved in a radiation accident.
4. Accumulate and analyse health physics data, results of radiation surveys, and medical reports on persons involved in radiation accidents.
5. Ensure that specific protective measures are taken to control risks from radiation and other hazards to the medical team.

6. Consult with the Command Center GSEP Director regarding measures for protecting the public. This work should be coordinated with the Command Center Intelligence Director, the AEC with respect to nuclear incidents, and the Illinois Department of Public Health.
7. Enlist the assistance of medical consultants specifically skilled in the medical aspects of radiation accidents and such other medical consultants as might be necessary for the general care of the person involved in the radiation accident.
8. Maintain a roster of physicians knowledgeable in this specialized field and able to serve in an emergency.
9. Ensure that appropriate treatment facilities for radiation injuries are available.

10. Keep records of all activities.

2.2.4 Information DirectorOBJECTIVE

1. Collect, check and disseminate information about the emergency to the public, particularly through the news media.

Responsibilities

## 1. Obtaining Information

- a. Through GSEP Command Center personnel, assess the nature the emergency and its effect on customers, the public and company operations.
- b. Determine what measures are being taken to relieve the emergency, restore service, repair damaged equipment, etc.

## 2. Releasing Information

- a. Take steps to release accurate information as soon as possible to prevent the development of unfounded rumors and assure the public that the emergency is under control.
- b. When incidents occur which involve our nuclear stations, coordinate the release of information, to the extent possible, with the AEC Chicago Operations Office and the Illinois Department of Public Health and other appropriate governmental agencies.
- c. With the approval of the GSEP Command Center Director

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prepare and release bulletins of news information to

the newspapers and radio/TV newsrooms in the quickest possible manner. Continue the bulletins, as new information develops, throughout the duration of the emergency.

- d. Take steps as quickly as possible to accommodate news reporters and photographers coming to the emergency site. Newsmen seeking interviews and comments from Commonwealth officials should be given full cooperation.

### 3. Internal Information

- a. Information gathered by Information Staff personnel and approved for release by the GSEP Command Center Director should be channeled to all Divisions for use as required in their respective areas. The information should also be made available to employes through the regular communications channels.

#### Authority

1. The Information Director shall have the authority to release information to the news media and to coordinate such releases with appropriate governmental authorities.

2.2.5 Communications DirectorOBJECTIVE:

1. Direct the procurement of required telephone and radio communications services and facilities.

Responsibilities

1. Enlist cooperation from the local telephone company in securing additional facilities and service.
2. Ensure that sufficient personnel are available to man telephone and radio facilities throughout the emergency.
3. Keep records of operations.

Authority

1. The Communications Director shall have the authority to procure all communications facilities required.

2.2.6 Manpower DirectorOBJECTIVES

1. Direct a staff of manpower expeditors in the gathering of information from GSEP Division Management concerning manpower requirements.

Responsibilities

1. Evaluate the GSEP Divisions' requests for assistance and keep the GSEP Command Center Director informed of the Division manpower requirements.
2. Upon the GSEP Command Center Director's instruction have personnel transferred among the GSEP Divisions.
3. As directed, call contractors or other non-public agencies and request that the required number of personnel be called out to assist in the emergency. The contractor to be instructed where, and to whom, to have the personnel report. Information should be given the contractor so he can inform the men regarding the conditions under which they will be working.

4. Keep the GSEP Command Center Director informed of the status of personnel transfers completed and in progress.
5. Keep records of personnel transfers during the emergency.

Authority

1. The Manpower Director shall have the authority to obtain all manpower as required.

2.2.7 Logistics DirectorOBJECTIVES

1. Call out and direct a staff of supervisors in charge of stores and transportation during the emergency.

Responsibilities

1. Provide all equipment and supplies necessary to the emergency effort.
2. Be able to expedite the purchase or rental of tools, instruments, and material items during and after regular business hours.
3. Be familiar with the "Approved Procedures for Procurement" from vendors, required materials and equipment, and procurement by rental of transportation equipment.
4. If necessary, take stock from one area of the company and make it available for use in another area; or, if not available from stock, procure it from a supplier or vendor.
5. Be responsible for transporting men and supplies by truck,

car, helicopter or airplane to reporting locations;

also men from work locations to rest locations, and

vice versa.

6. Employ, as necessary; company vehicles, vehicles from other companies, rental vehicles, and employe-owned vehicles.
7. Keep records of transportation and purchase operations related to the emergency.

Authority

1. The Logistics Director shall have the authority to procure all equipment and materials as required.

2.2.8 Aerial Logistics DirectorOBJECTIVES

1. Direct a staff providing for aerial services wherever required during the emergency.

Responsibilities

1. Be familiar with the helicopter and airplane flying services available, the types of equipment they have, and the procedure for quickly arranging service either during or outside regular business hours.
2. Make detailed arrangements for the aircraft to meet the aerial patrolman at a prearranged location, and for the pilot and patrolman to be instructed where and what they are to patrol. Included in these instructions should be information concerning at what time, to whom, and by what means the results of the patrol should be reported.
3. Prepare a log entry report showing the date, time, and to whom the several patrol assignments were made, and when completed.

4. During normal times, the Aerial Logistics Director should periodically review sources of flying service and, in addition, check for new vendors of such service. He should also recommend action to make new suppliers available to render their service to us.

Authority

1. The Aerial Logistics Director shall have the authority to obtain all aerial services as required.

212.9 Engineering DirectorOBJECTIVES

1. Be responsible for directing the engineering staff in obtaining design information, designing special tools, equipment, shielding, containers or other devices needed during and after the emergency.

Responsibilities

1. Supply drafting services to draw maps or prepare other displays for the Command Center.
2. Be prepared to have emergency equipment and structures constructed or fabricated as needed.
3. Be prepared to provide technical information respecting the design of the facilities experiencing the emergency.
4. Assist in development of post accident recovery measures.
5. Enlist the aid of consultants as required.

Authority

1. The Engineering Director shall have the authority to obtain engineering services and have required equipment constructed.

2.2.10 Accounting DirectorOBJECTIVE

1. Act in an advisory capacity in handling questions from GSEP Divisions regarding timekeeping and other accounting practices.

Responsibilities

1. Seek counsel of Industrial Relations, the Comptrollers Office, and others as required.
2. Establish the special GSEP function number, when it should start to absorb GSEP costs, and when charges to it should terminate; and to inform all affected GSEP Divisions.
3. Obtain standards for time accounting for non-union employees eligible for overtime.
4. Make provisions to establish a proper method of accounting for costs of contract service rendered and other special facilities such as activating a group and making expenditure estimates.
5. Fulfill the clerical requirements for the other Directors at Command Center.

Authority

1. The Accounting Director shall have the authority to obtain accounting services as required to keep a record of all charges associated with the emergency.

2.2.11 Legal ConsultantOBJECTIVE

1. Provide advice to Command Center Director on all legal matters connected with the emergency.

Responsibilities

1. Be familiar with the legal resources of Commonwealth Edison which can be employed during the emergency.
2. Assist in making these resources readily available to the Command Center Director.
3. Be familiar with the interrelationships between the several Federal and State agencies involved in the emergency effort.

### 2.3 Division Group

This sub-section lists the areas of responsibility and authority for all key personnel in the GSEP Division Group. Each Statement consists of a set of objectives for the position and a list of responsibilities and authorities.

The Division GSEP organization is responsible for support services and shall function under a Director responsible for initiating, organizing, and directing all GSEP efforts in the Division associated with the emergency. The Division, reporting to the GSEP Director, shall provide support services using Company personnel, local agencies, contractors, and medical facilities. They shall dispatch supplies, equipment, and manpower to the points of greatest need and provide any special efforts necessary. If the Division is unable to supply all such requirements for coping with the emergency, the Command Center shall enlist additional aid from other Divisions. The GSEP Division Headquarters organization assigned to a station will be located normally at its Division Headquarters provided this location is geographically near that station. Otherwise, another location that better meets the needs of the Division and the station may be designated. An organization chart of the Division GSEP is shown in Figure 2.3-1

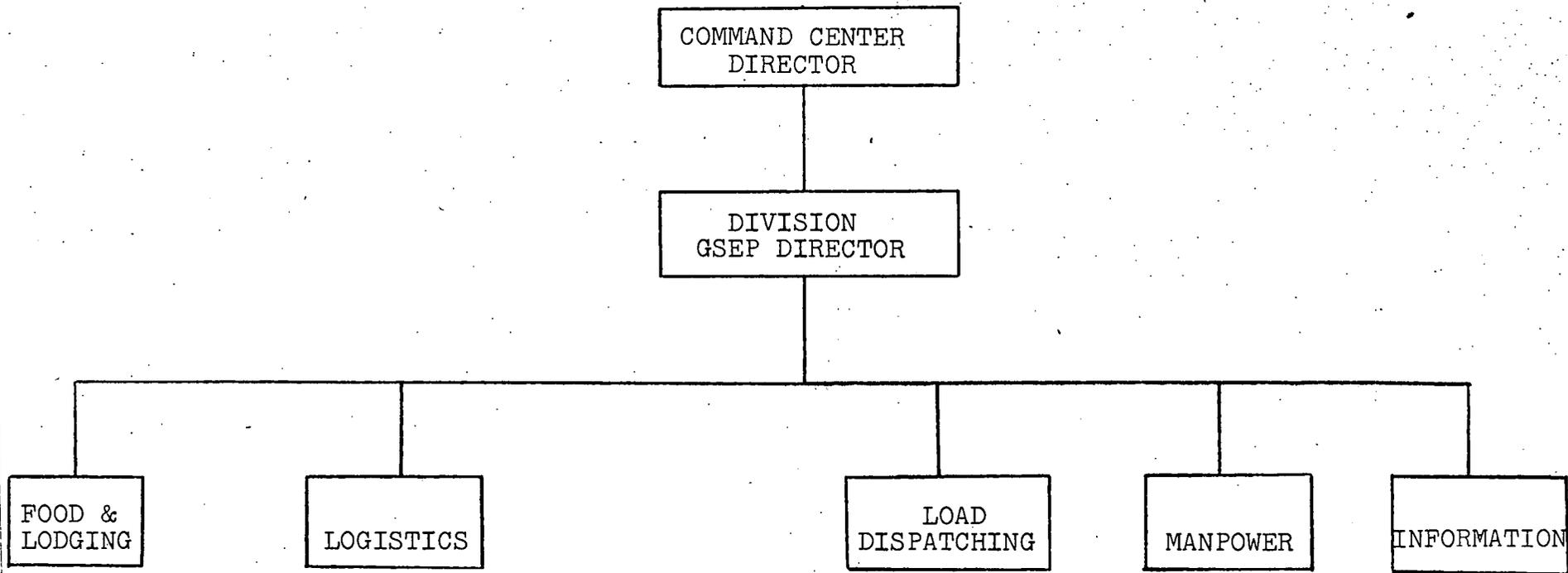


Figure 2.3-1  
GSEP Division Group Organization

2.3.1 DirectorOBJECTIVES

1. Have responsible charge of the Division GSEP group and direct a staff in providing all the support services required to restore the plant to its pre-accident condition.
2. Keep the Division GSEP manpower trained and their assignments and instructions up-to-date.

Responsibilities

1. Call out the following Division GSEP personnel as required:
  - a. Manpower
  - b. Logistics
  - c. Food and Lodging
  - d. Clerical and other personnel
2. Provide the GSEP Environs Director and the Station GSEP Director with personnel, instruments, material and equipment.
3. Assist appropriate government authorities with the movement and evacuation of the public from a defined area if required.
  - a. Have bill registers available to determine who lives in the affected area.

b. Provide personnel to serve as guides.

4. Maintain accurate records of decisions made and actions started and completed.
5. Transfer Division GSEP personnel to other Divisions when requested.

Authority

The GSEP Division Director shall have authority necessary to meeting the above described responsibilities in a manner consistent with the GSEP.

2.3.2 Food and Lodging DirectorOBJECTIVES

1. Direct a staff in arranging for food and lodging in the emergency area on a 24 hour basis.
2. Keep this staff trained and its assignments and instructions up-to-date.

Responsibilities

1. Obtain from Manpower, the total number of outside emergency crews and men expected, when they are to arrive, where they will report, and when they will be released.
2. Prepare a list of recommended lodging facilities.
3. Make arrangements with lodging owners regarding the number of individuals coming, duration of lodging, and billing arrangements.

4. See that crews are informed of the closest restaurants.
5. Supply proper meal authorization forms to emergency crews.
6. Inform restaurants of the time to expect emergency personnel and how many meals to prepare.  
  
Whenever practical prearrange for one menu to expedite feeding large groups.
7. Arrange credit in advance.
8. See that restaurants are open at times that emergency crews report to eat.
9. Assist contractors in finding lodging and restaurants for their men.
10. Arrange with restaurants or caterers to provide box lunches for crews in the field when requested by the Division Director. These lunches should be supplied before crews leave for the field.
11. Arrange to serve all office personnel regardless of the Department.
12. Arrange for food service in the cafeteria, coffee shop or a room set aside for this purpose.

13. Keep food and coffee out of emergency work areas.
14. See that men are released to eat at staggered intervals.
15. Keep lists of catering services that can supply food on short notice and on a 24-hour basis.
16. Keep a log of decisions made and actions started and completed.

Authority

1. The Food and Lodging Director shall have the authority to procure or have procured food and lodging as required.

2.3.3 Logistics DirectorOBJECTIVES

1. Direct a staff in supplying the station with the proper instruments, materials, tools, and transportation at the right time and at the right place.
2. Keep the Logistics Staff trained and its assignments and instructions up-to-date.

Responsibilities

1. Transfer between Station and Environs the necessary instruments, materials, tools and transportation equipment.
2. Obtain needed supplies from known vendors in the area.
3. Determine storeroom manpower needs and request additional men as needed.
4. Give travel instructions to outside storeroom personnel.
5. Keep track of deployment of storeroom personnel and when they are released.

6. Report this to Division Manpower (other personnel).
7. Keep a log of decisions made and actions started and completed.

Authority

1. The Logistics Director shall have the authority to procure materials and equipment as required.

### 2.3.4 Division Load Dispatcher

#### OBJECTIVE

1. Obtain and disseminate early intelligence information.

#### Responsibilities

1. Continue normal activities supplying power to the system customers.
2. Have switching operations made on lines as needed in the Division emergency area to protect system integrity.  
  
All load change dispatching is to be done through the General Office Load Dispatcher.
3. Maintain off-site power in conjunction with the General Office Load Dispatcher.
4. Keep the Division Director and staff informed of any abnormalities in the transmission area.

#### Authority

1. The Division Load Dispatcher has the authority to take what actions are necessary to maintain electric service to customers in his area of responsibility.

2.3.5 Manpower DirectorOBJECTIVE

1. Obtain and deploy personnel to the emergency area in the right quantities at the right time.

Responsibilities

1. Inform the Division GSEP Director periodically or at mutually agreed times of the following:
  - a. Number of our Division people activated and/or available.
  - b. How and where people are deployed.
2. Obtain restoration progress from Command Center Intelligence.
3. Obtain from Command Center Intelligence periodically or at mutually agreed times the following information:
  - a. Estimated man hours to restore to pre-accident conditions.
  - b. Estimated number of people affected by the accident.
4. Transfer men between areas as needed.
5. Request men from Command Center Manpower Director.
6. Tell Station and Environs Directors and Command Center Manpower when and where outside men are to report.
7. Give travel instructions to outside men reporting to Environs or Station Directors.

8. Inform Station and Environs Directors when and where to expect outside men.
9. Keep a log of all manpower transactions with Command Center Manpower Director and Station and Environs Directors.
10. Keep track of where outside men are deployed.
11. Determine from Station and Environs Directors when men are released and inform Division GSEP Director and Command Center Manpower Director.
12. Ordinarily one Guide is sent with each survey or recovery crew.

Authority

1. The Manpower Director has the authority to obtain manpower as required.

2.3.6 Information DirectorOBJECTIVE

1. Provide support to the Division and Command Center for the dissemination of information about the emergency.

Responsibilities

1. Seek information and estimates of:
  - a. Geographic boundaries of areas affected by the emergency, and the number of individuals possibly involved.
  - b. The general type of emergency, what caused it and the corrective measures being taken.
  - c. Approximate restoration time as it becomes available and can be accurately predicted.
  - d. Number of GSEP personnel involved, calling attention to crews from contractors, other utilities, other Commonwealth generating stations, and assistance from public agencies.
  - e. Any unusual conditions or situations related to the emergency.
2. Seek this information from the Division organizations and pass it on to the Command Center Information

3. Edit news worthy information and release it to the local community news media upon approval of the Command Center Information Director
4. When contacted by news media for comments, statements or interviews, make necessary arrangements to comply.
5. Provide assistance as necessary to the Command Center Information Director in order to coordinate releasing announcements soliciting cooperation of the public during the emergency.

Authority

1. The Information Director has the authority to provide information to the local news media as approved by the Command Center GSEP Director.

## 2.4 Station Group

This sub-section lists the areas of responsibility and authority for all key personnel in the GSEP Station Group. Each statement consists of a set of objectives for the position and a list of responsibilities and authorities.

The GSEP Station group functions under a Director responsible for carrying out all company efforts respecting the emergency that are conducted on-site. This area would normally be within the fenced perimeter of the station. However, during certain phases of the emergency, this boundary may be modified by the GSEP Director reflecting the current situation. A diagram of the Station Organization is shown in Figure 2.4-1.

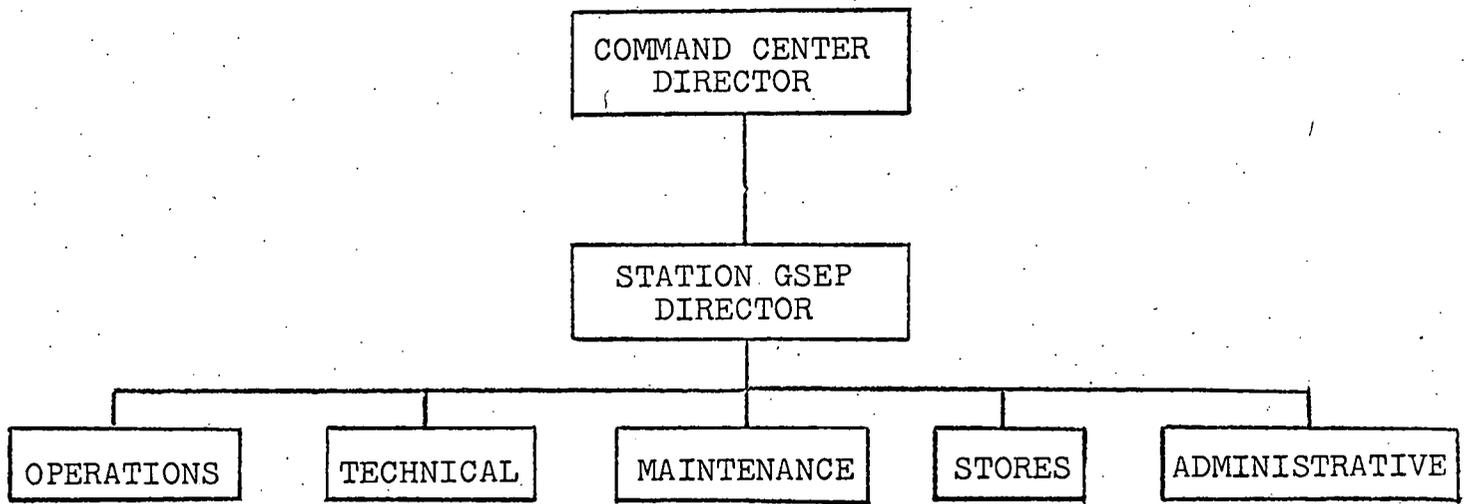


Figure 2.4-1

GSEP Station Group Organization

2.4.1 DirectorOBJECTIVES

1. Have responsible charge of the Station GSEP group and direct a staff in organizing and coordinating the emergency efforts at and within the immediate vicinity of the station.
2. Determine the nature and extent of the emergency.
3. Take measures to terminate the condition causing the emergency.
4. Take measures necessary to protect plant personnel and the public and direct rescue operations as needed.
5. Protect equipment and facilities from further damage.
6. Initiate plant accident recovery measures.
7. Determine effectiveness of recovery efforts.
8. Keep GSEP Command Center Director fully informed of the sketches of the emergency and the measures being taken to deal with the emergency.

Responsibilities

1. Ensure that the General Office Load Dispatcher has been advised of the emergency.

2. Determine that all personnel on-site have been accounted for.
3. Activate the Station GSEP group as required.
4. Direct rescue operations for injured personnel.
5. Initiate measures to terminate the condition causing the emergency.
6. If an off-site emergency is suspected or confirmed, advise the Command Center GSEP Director of the need for assistance, and dispatch an Environs monitoring team to the suspected area for evaluation.
7. Initiate actions to reduce the extent of the accident and minimize its consequence whenever possible.
8. Coordinate effort for determining an evacuation route for personnel at plant with the Station Environs Director.
9. Take appropriate first aid measures with respect to injured and transfer injured and non-essential personnel after an evacuation route has been determined.
10. Ensure that required ambulance services are obtained.

11. Keep the Command Center Director informed as to the status of the plant as determined by the station staff.
12. Coordinate with the Environs Director in controlling ingress and egress to the site.
13. In case of a nuclear incident, request the necessary non-station technical personnel from the Command Center Director to complete a detailed radiological and equipment survey in the accident area.
14. Implement recovery and restoration efforts. Direct the total on-site effort.
15. Acquire sufficient technical and non-technical personnel to effect recovery and restoration efforts.
16. Delegate responsibilities for assigning duties as manpower becomes available.
17. Obtain heavy mobile equipment from the Division Director such as trucks, bulldozers, graders, and cranes in order to perform decontamination, repair, and restoration work.
18. Through Command Center Logistics, ensure that adequate instrumentation is available for all phases of the emergency.

19. Prepare all required specific recovery procedures in accordance with Section 9.3 of the GSEP.
20. Inform the Command Center Director as necessary regarding the progress of control and restoration efforts. Keep a running log of events and data compiled during all phases of the accident.

#### Authority

1. The Station Director has authority to take all actions necessary in meeting the above described responsibilities and implementing the detailed emergency procedures in effect at the respective facility to which he is assigned.

2.4.2 Operations DirectorOBJECTIVES

1. Direct a staff in determining the nature and extent of the emergency pertaining to equipment and plant facilities.
2. Protect personnel and perform rescue operations as needed.
3. Take measures to terminate the condition causing the emergency.
4. Protect equipment and facilities from further damage.
5. Restore plant to pre-accident conditions.
6. Keep the operations staff trained and its assignments and instructions up-to-date.

Responsibilities

1. Inform General Office Load Dispatcher and Station Superintendent of the incident.
2. Account for all personnel on-site.
3. Make an estimate of the emergency from an operational viewpoint, and initiate whatever immediate action is possible to limit or contain the accident.
4. Organize rescue teams to aid injured personnel.

5. Perform rescue operations for injured personnel.  
Initiate first aid measures.
6. Call ambulance services as required.
7. Assist in the transfer of injured personnel off-site.
8. Assist in planning and implementing detailed plans regarding all phases of the emergency campaign.
9. Perform switching and valving operations, equipment operations, equipment checking, and miscellaneous operations as required.
10. Assist in intelligence operations, such as surveys, inspections, plant pressures and temperatures, and other pertinent data.
11. Maintain plant security. Control ingress and egress to the station until relieved of this duty.
12. Assist technical personnel in decontaminating injured personnel, if required.
13. Assist technical personnel in survey work as necessary.
14. Keep the Station Director informed as to the status of the plant as determined by operations personnel.

15. Request additional technical and non-technical personnel as necessary to restore facility to pre-accident status.
16. Assign duties as manpower becomes available.
17. Ensure that adequate canvas and rubber protective clothing is available to emergency personnel.
18. Ensure that adequate respiratory protective equipment is available to emergency personnel.
19. Inform the Station Director regularly, as agreed, regarding the progress of control and restoration efforts. Keep a running log of events and data compiled during all phases of the accident.

#### Authority

1. The Operations Director has authority to provide for proper station operation during the emergency.

2.4.3 Technical DirectorOBJECTIVES

1. Direct a staff in determining the nature and extent of the emergency, and provide this information and other intelligence to the Station Director and to Command Center Intelligence.
2. Provide radiological health information to the Station Director and to Command Center Intelligence in order to assist in planning emergency and restoration efforts.
3. Determine effectiveness of restoration efforts.
4. Keep the technical staff trained and its assignment and instructions up-to-date.

Responsibilities

1. Make an estimate of the extent of the emergency and make recommendations to the Station Director.
2. Assist in planning rescue operations and with respect to nuclear incidents provide radiation monitoring services as required.
3. Decontaminate injured personnel.

4. Determine evacuation routes for injured and non-essential personnel.
5. Assist in the transfer of injured and non-essential personnel to the station mobile unit, if this unit has been activated.
6. Provide monitoring for surveying uninjured personnel, and for surveying tools, materials, and equipment.
7. Provide monitoring personnel for on-site survey around outside areas.
8. Keep the Station Director informed of the plant status and assist in emergency and restoration planning.
9. Determine that remaining on-site personnel have not been exposed beyond a planned limit.
10. Ensure that appropriate bioassay procedures have been implemented for on-site personnel when a nuclear incident is involved.
11. With respect to emergencies involving nuclear facilities, request the necessary additional technical personnel and equipment from the Station Director in order to complete a

detailed radiological and equipment survey in the accident area.

- a. Evaluate on-site radiological hazards from direct radiation.
  - b. Determine the presence or absence of alpha activity in addition to beta-gamma contamination.
  - c. Count alpha samples in laboratory equipment before considering an area uncontaminated.
  - d. Redefine controlled areas as indicated by radiation survey.
  - e. Determine work areas contaminated with airborne radioactivity.
12. Accumulate, tabulate, and evaluate data on plant conditions such as meteorological and area monitoring readings, radiation surveys, plant temperature and pressure readings, inspections, and other pertinent data.
13. Supervise the total on-site technical staff effort.

14. Acquire sufficient technical and non-technical personnel from the Station Director to provide adequate radiological health coverage for the restoration phase.
15. Assign duties and supervise personnel as manpower becomes available.
17. Provide adequate canvas and rubber protective clothing for emergency personnel.
18. Provide adequate respiratory protective equipment for emergency personnel.
19. Assist and cooperate with outside agencies involved in the survey.
20. Inform the Station Director as information becomes available. Keep a running log of events and data compiled during all phases of the accident such as:
  - a. Personnel surveys
  - b. Personnel exposure
  - c. Surveys of affected areas
  - d. Bioassay results
  - e. Manpower used
  - f. Instrumentation and equipment used
  - g. Progress of control efforts
  - h. Control measures taken

Authority

1. The Technical Director has authority to provide technical services required by the Station Director.

2.4.4 Maintenance DirectorOBJECTIVES

1. Direct a staff in providing labor, tools, and equipment needed for rescue operations and for restoring the plant to its pre-accident condition.
2. Keep the maintenance staff trained and its assignments and instructions up-to-date.

Responsibilities

1. Assist in rescue operations by providing labor, tools, and equipment.
2. Obtain the necessary work force to construct necessary barriers, shields, and equipment.
3. Repair, replace, and adjust equipment vital to the safety of plant personnel and to the plant.
4. Keep the Station Director informed as to the progress of emergency efforts.
5. Assist the Station Director in planning recovery and restoration repairs.
6. Direct the total on-site maintenance and equipment restoration effort.

7. Request contractor and other company maintenance personnel to expand the operation as necessary.
8. Assign duties as manpower becomes available.
9. Request additional vehicles from the Division organization in order to expedite recovery and restoration. Heavy vehicles such as bulldozers, road graders, trucks, and cranes may be required.
10. Provide adequate protective clothing for emergency maintenance crews. Inform technical group of projected needs.
11. Provide adequate respiratory protective equipment for emergency maintenance crews when required.
12. Inform the Station Director of progress of emergency and restoration efforts. Keep a running log of events and data compiled during all phases of the accident, such as:
  - a. Manpower used
  - b. Instrumentation and equipment used
  - c. Progress of control efforts
  - d. Control measures taken

Authority

1. The Maintenance Director has authority to provide maintenance as required.

2.4.5 Stores DirectorOBJECTIVE

1. Obtain and deliver to the point of need all parts, protective equipment, and material necessary to maintain uninterrupted work in the emergency and restoration efforts.

Responsibilities

1. Expedite delivery of needed materials to the plant.
2. Keep the Station Director informed as to the progress of emergency efforts.
3. Inventory required emergency materials so that the necessary supplies are not depleted.
4. Keep records of materials used and obtained for use in the accident.

Authority

1. The Stores Director has authority to purchase or requisition all items and services required by the station in the emergency.

2.4.6 Administrative DirectorOBJECTIVE

1. Provide administrative services as required during the emergency.

Responsibilities

1. Maintain a record of the location of each individual on the plant property.
2. Keep records of time spent at the plant by employes.
3. Arrange for relief and continual manning of the station emergency crew.
4. Arrange for food and sleeping facilities for the emergency crew.
5. Coordinate and record plant entry and exit of all personnel.

Authority

1. The Administrative Director has authority to provide services to meet the stated objectives and responsibilities.

## 2.5 Environs Group

This sub-section lists the areas of responsibility and authority for all key personnel in the GSEP Environs Group. Each statement consists of a set of objectives for the position and a list of responsibilities and authorities.

The Environs group functions under a Director responsible for carrying out the Company environs monitoring efforts related to a nuclear incident which are necessary for the protection of persons and property of the public located off-site.

This organization will be headquartered at an appropriate location off-site. Radio or telephone communications shall be maintained between the GSEP Command Center and the Environs Headquarters. A diagram of the Environs Organization is also shown in Figure 2.5-1.

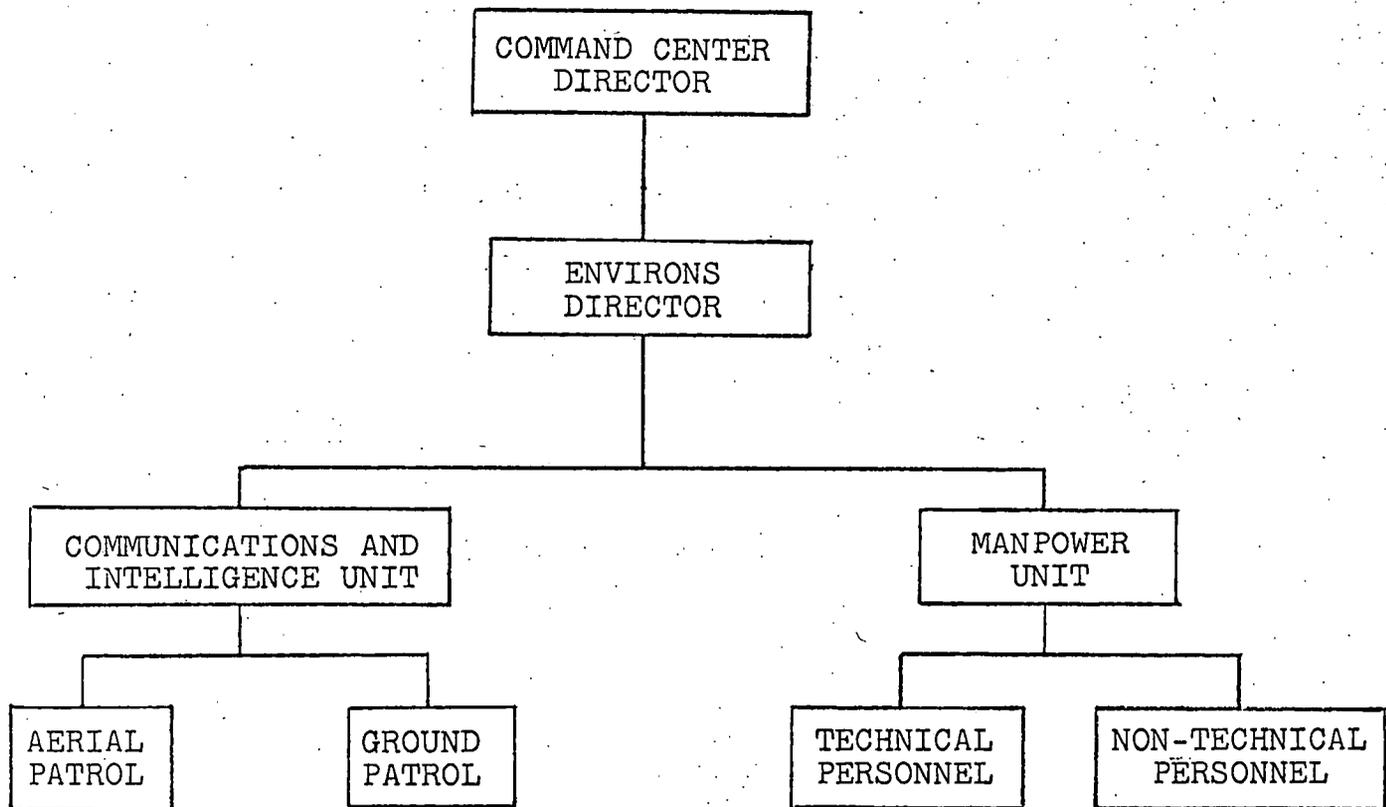


Figure 2.5-1

Environs Group Organization

2.5.1D DirectorOBJECTIVES

1. Direct a staff in initiating a radiological survey of those areas outside the fenced perimeter of a nuclear facility experiencing an emergency.
2. Evaluate the information obtained to determine if a hazard exists to the public.
3. Coordinate all effort with the AEC Chicago Operations Office during the diagnostic and initial action stage and the Illinois Department of Public Health during the protection and recovery stage.

Responsibilities

1. Activate the Environs group when directed.
2. Establish a headquarters at an appropriate location
3. Establish communications with the Station and Command Center Directors.
4. Keep the Command Center Director informed as to the progress of the surveys and other activities of the Station Environs organization.

5. Assist in rescue operations
6. Assist the governmental authorities in ensuring that checkpoints are adequately manned to control ingress and egress to affected areas.
7. Request assistance, through the Command Center Director, for road blocks and security until  
  
State of Illinois personnel are available.
8. Expand communications facilities as necessary. Telephone, mobile radios, and portable radios may be required.
9. Keep a running log of events and data compiled during all phases of the accident such as:
  - a. Personnel surveys
  - b. Personnel exposures
  - c. Survey of periphery of affected area
  - d. Survey of immediate area
  - e. Bioassay and environs sample results
  - f. Manpower used
  - g. Instrumentation and equipment used
  - h. Progress of Control efforts
  - i. Control measures taken
10. Assist in manning assembly points for evacuees.

Authority

1. The Environs Director has the authority to fulfill the above described responsibilities and coordinate the activities of the environs group with other off-site support groups.

2.5.2 Intelligence DirectorOBJECTIVES

1. Direct a staff in gathering and analyzing information from the environment concerning the emergency.
2. Determine nature and extent of airborne, terrestrial, and aquatic contamination for the Environs Director.
3. Evaluate exposure of public.
4. Advise the GSEP Intelligence Director when the environmental problem no longer exists.

Responsibilities

1. Determine a suitable location for the mobile control center and an evacuation route for on-site personnel and advise the Station Environs Director.
2. Establish communications with GSEP Command Center Intelligence.
3. Obtain meteorological information from the Command Center.
4. Initiate the off-site survey using procedure for station involved.
5. Accumulate, tabulate, and evaluate data on environmental

conditions and promptly report to the Station Environs Director and to Command Center Intelligence.

6. Advise the Environs Director of the progress of the surveys and assist him in planning.
7. Provide radiation survey data for field crews.
8. Make recommendations to the Environs Director as regards evacuation of an area.
9. Request the expansion of communications facilities as necessary in order to maintain contact with the aerial and ground patrols, and the Environs Director.
10. Request required air and ground transportation from the Environs Director in order to perform emergency and post accident surveys and to provide general transportation when needed.
11. Request the necessary technical and non-technical personnel to perform the required services from the Station Environs Director. Health physicists, technicians, and vehicle drivers will be required. Manpower requirements will vary as the campaign progresses through the emergency,

recovery, and restoration regimes.

12. Request additional instrumentation through the Environs Director.
13. Provide adequate protective clothing for survey teams.
14. Provide respiratory protective equipment to survey teams when required.
15. Inform the Environs Director and Command Center Intelligence as information becomes available. Keep a running log of events and data compiled during all phases of the accident such as:
  - a. Personnel surveys
  - b. Personnel exposures
  - c. Surveys of affected areas
  - d. Bioassay results
  - e. Environs sample results
  - f. Manpower used
  - g. Instrumentation and equipment used
  - h. Progress of control efforts
  - i. Control measures taken
16. Assist and cooperate with outside agencies involved.

Authority

1. The Intelligence Director has the authority to fulfill the above responsibilities.

2.5.3 Aerial PatrolOBJECTIVE

1. Be prepared to collect information from a helicopter patrol when requested to do so by Environs Intelligence Director.

Responsibilities

1. Collect air particulate samples, ionization chambers, TLD, and film badges from all off-site environs stations and replace with new for further data collection.
2. Deliver collected samples to environs organization center.
3. Collect special samples and make radiation surveys.
4. Report results of radiation surveys by radio to Division and environs organization center.
5. Report unusual conditions observed during survey.

2.5.4 Ground PatrolOBJECTIVE

1. Be prepared to carry out a ground survey when requested to do so by the Environs Intelligence Director.

Responsibilities

1. Collect air particulate samples, read ionization chambers, collect film badges and TLD dosimeters from all off-site environ stations and replace with new filter paper, film badge, and TLD, for further data collection..
2. Deliver collected samples to Environs Organization Center.
3. Collect special airborne, terrestrial, and aquatic samples and make radiation surveys.
4. Report results of radiation surveys by radio to Division and Environs Organization Center.
5. Provide monitoring for field crews.

2.5.5 Manpower Unit DirectorOBJECTIVES

1. Direct a staff in establishing and manning environmental control points, and coordinate and direct the movement of GSEP personnel.

Responsibilities

1. Establish, and man the mobile control when directed. (The initial location of the control center might be one-half to one mile upwind from the plant.) Environs Intelligence to recommend location of mobile control center and check points.
2. Determine that mobile unit communications equipment is operational.
3. Set up group qualified to receive contaminated and injured personnel from the station to perform radiological health and first aid duties.
4. Assist State and Federal authorities in security measures and establishing road blocks during the emergency.

5. Establish assembly points at locations recommended by Environs Intelligence and provide the necessary security and technical personnel for manning each location.
6. Ensure that assembly points are provided with direct communications to the station mobile unit.
7. Inform the Station Environs Director of all relevant information and occurrences. Keep a running log of events and data compiled during all phases of the accident, such as:
  - a. Personnel surveys
  - b. Personnel exposures
  - c. Surveys of immediate area
  - d. Bioassay results
  - e. Manpower used
  - f. Instrumentation and equipment used
  - g. Progress of control efforts
  - h. Control measures taken
8. Expand communications facilities as necessary. Additional telephone, mobile radios, and portable radios may be required.
9. Provide adequate canvas and rubber protective clothing for control unit personnel.
10. Provide adequate respiratory protective equipment, if required in contaminated areas.

11. Request services of ambulances and other civil vehicles as needed.
12. Provide required transportation for personnel.
13. Ensure that adequate instrumentation is available for all phases of the emergency.
14. Provide sufficient technical and non-technical personnel to expand the operation as necessary.
15. Assign duties as manpower becomes available.

Authority

1. The Manpower Unit Director has the authority to direct the technical and non-technical personnel to provide adequate monitoring of the environs.

2.5.6 Manpower Unit Technical PersonnelOBJECTIVE

1. To man the environmental control points and provide radiological health and first aid assistance as necessary.

Responsibilities

1. Assist in locating the mobile control center and checking out all equipment.
2. Radiological health duties will include the following:
  - a. Survey all personnel leaving the site.
    1. Segregate personnel as to those who are contaminated and those who exhibit induced radioactivity.
  - b. Decontaminate injured personnel as much as possible consistent with the nature of injuries prior to transfer to a hospital or other medical facility.
    1. Provide radiation protection assistance with all contaminated personnel sent off-site for medical treatment.
  - c. Decontaminate uninjured personnel.

- d. Collect and issue personnel monitoring devices as appropriate.
  - e. Obtain and record as much information as possible from personnel regarding the accident.
  - f. Initiate bioassay procedures for evacuated and emergency personnel.
3. Assist State and Federal Authorities.
- a. Positioning road blocks and barricades in required areas.
  - b. Setting up checkpoint to control ingress and egress to site.
  - c. Providing monitoring service for off-site rescue operations.
  - d. Surveying, decontaminating, and releasing personnel and vehicles from other evacuation points as necessary.
  - e. Controlling ingress and egress through check points as directed.

2.5.7 Manpower Unit Non-Technical PersonnelOBJECTIVE

1. Assist unit technical personnel and provide non-technical assistance as directed by the control unit director.

Responsibilities

1. Assist Control Unit Technical Personnel in setting up the mobile control center and evacuation check points.
2. Assist in positioning road blocks and barricades.
3. Provide Non-Technical general assistance at the mobile control center and the evacuation check points.

3.0 LIAISON WITH GOVERNMENTAL AUTHORITIES3.1 Scope

This section, applicable to all of Commonwealth's nuclear generating facilities, outlines the respective roles of Federal, State, and local authorities in dealing with an emergency. Each group may be called upon to provide assistance in specified areas. The coordination between Commonwealth and these governmental authorities is also discussed.

### 3.2 Federal Government

The AEC is the licensing agency for power reactors, reactor operators and special nuclear materials. Under the Atomic Energy Act of 1954, as amended, the AEC is authorized to establish rules and regulations to govern the use of nuclear materials as necessary to protect health or to minimize danger to life and property. Two groups within the AEC become involved initially in dealing with a nuclear incident. These groups are described in Sections 3.2.1 and 3.2.2 hereof.

#### 3.2.1 AEC Division of Compliance

The AEC Division of Compliance has responsibility for auditing of nuclear power reactor, special nuclear, source, and by-product material licensees. They are responsible for ensuring that such activities are conducted in accordance with the terms and conditions of such AEC licenses and that as a result of such operations, there is no undue risk to the health and safety of the public.

#### 3.2.2 AEC Chicago Operations Office

Immediate Federal assistance in a radiological emergency in Commonwealth's area is available through the AEC Chicago Operations Office, whose emergency headquarters are located at Argonne National Laboratory, Lemont, Illinois. The Office has a team of radiation specialists on call for immediate dispatch to the scene of a nuclear incident and the authority to enlist the aid of other necessary Federal agencies through IRAP.

The immediate objectives of the radiation assistance team, after arrival at the scene, are to evaluate the hazard and to take such action as necessary to control the hazard. IRAP is not intended to accomplish recovery from nuclear incidents but

may be extended to cover such situations. The assistance provided shall not abridge State or local authority.

### 3.3 State Government

The State of Illinois has the statutory responsibility and authority for protecting the health and safety of the public from ionizing radiation. The state agencies and their responsibilities are described in the following paragraphs.

#### 3.3.1 Illinois Department of Public Health

The Illinois Department of Public Health has responsibility for public health matters and the control and use of radiation sources in Illinois. This department is the responsible agency within the State organization for dealing with the various aspects of a peacetime nuclear incident. Its emergency communication headquarters are located in the Illinois Civil Defense headquarters in Springfield, Illinois. It has authority to make rules and regulations pursuant to its responsibilities and to enforce them.

#### 3.3.2 Illinois Department of Public Safety

The Illinois Department of Public Safety, which includes the Illinois State Police, has responsibility and authority for law enforcement.

#### 3.3.3 Illinois Civil Defense Agency (CD)

The Illinois Civil Defense Agency has responsibility for defense against disasters caused by enemy or other hostile action, or other natural causes, under an act cited as the CD Act of 1951. It will take its direction from the Illinois Department of Public Health in dealing with peacetime nuclear incidents.

### 3.4 Local Government

It is anticipated that various segments of County, Township or Municipal governments having jurisdiction of the areas in the vicinity of Commonwealth's generating facilities and providing certain emergency service such as fire and police protection will become involved in dealing with accidents or emergencies. Commonwealth maintains liaison with these local governments, particularly with respect to the availability of emergency services. In the unlikely event of a nuclear incident occurring, such activities off-site including environs monitoring and measures for protecting the public shall be coordinated by the Illinois Department of Public Health. This state agency will advise the various agencies of local government of the protective actions to be taken under their respective statutory authority. Commonwealth may also call upon these agencies directly for fire and police protection.

### 3.5 Coordination with Public Agencies

The responsibility for coordination with appropriate public agencies is vested with the GSEP Command Center Director. The Command Center GSEP Director shall immediately notify the Illinois Department of Public Health, the AEC Division of Compliance Office, and the Illinois State Police when an emergency occurs. Known as the alert stage, this mode of readiness is illustrated in Figure 3.5-1.

Measures for protecting the public from the effects of the nuclear incident during the diagnostic and initial action stage shall be coordinated with the AEC Chicago Operations Office as illustrated in Figure 3.5-2. The AEC Radiation Assistance Team is prepared to reach the scene of the incident shortly after the incident occurs with suitable equipment for monitoring the environs.

The Illinois Department of Public Health has responsibility for public health matters in Illinois and will coordinate the efforts for protecting the public from the effects of a nuclear incident during the protection and recovery stage. The Illinois Department of Public Health will consult with and be assisted by Commonwealth, the Illinois State Police, Illinois Civil Defense, AEC (IRAP), and other local, State and Federal Agencies in making decisions respecting special actions necessary to protect the health and safety of the public. These relationships are illustrated in Figure 3.5-3.

The AEC Division of Compliance will be kept advised of the situation because they have the responsibility for

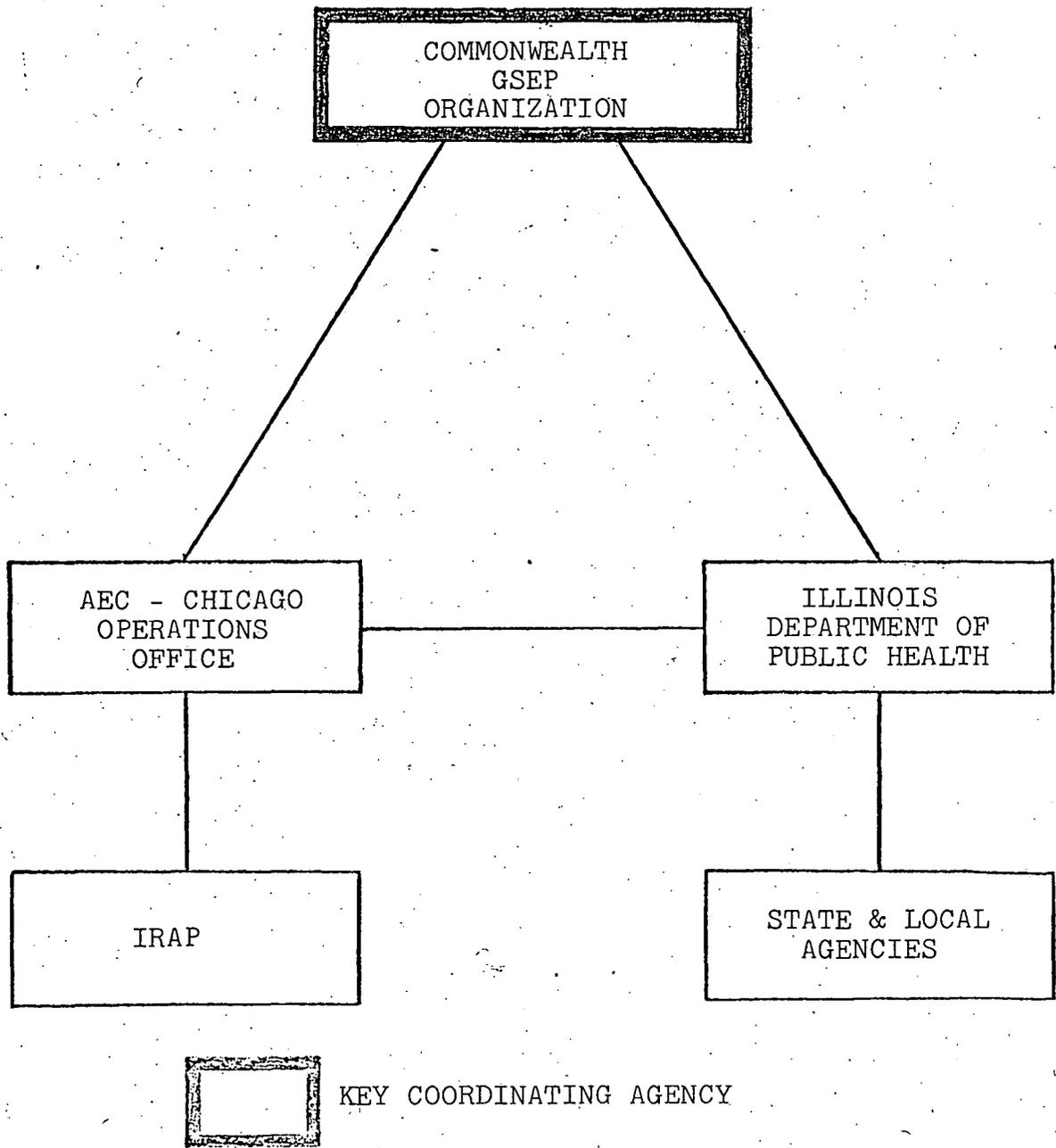


Figure 3.5-1  
Alert Stage

5-6-69

compliance by Commonwealth with the terms and conditions of its AEC licenses and the regulations of the AEC.

The Illinois State Police upon request will arrange for control of the movement of people and equipment. Their efforts will be coordinated with the local police. They will be responsible for conducting an orderly movement of population in the unlikely event any such protective measures become necessary.

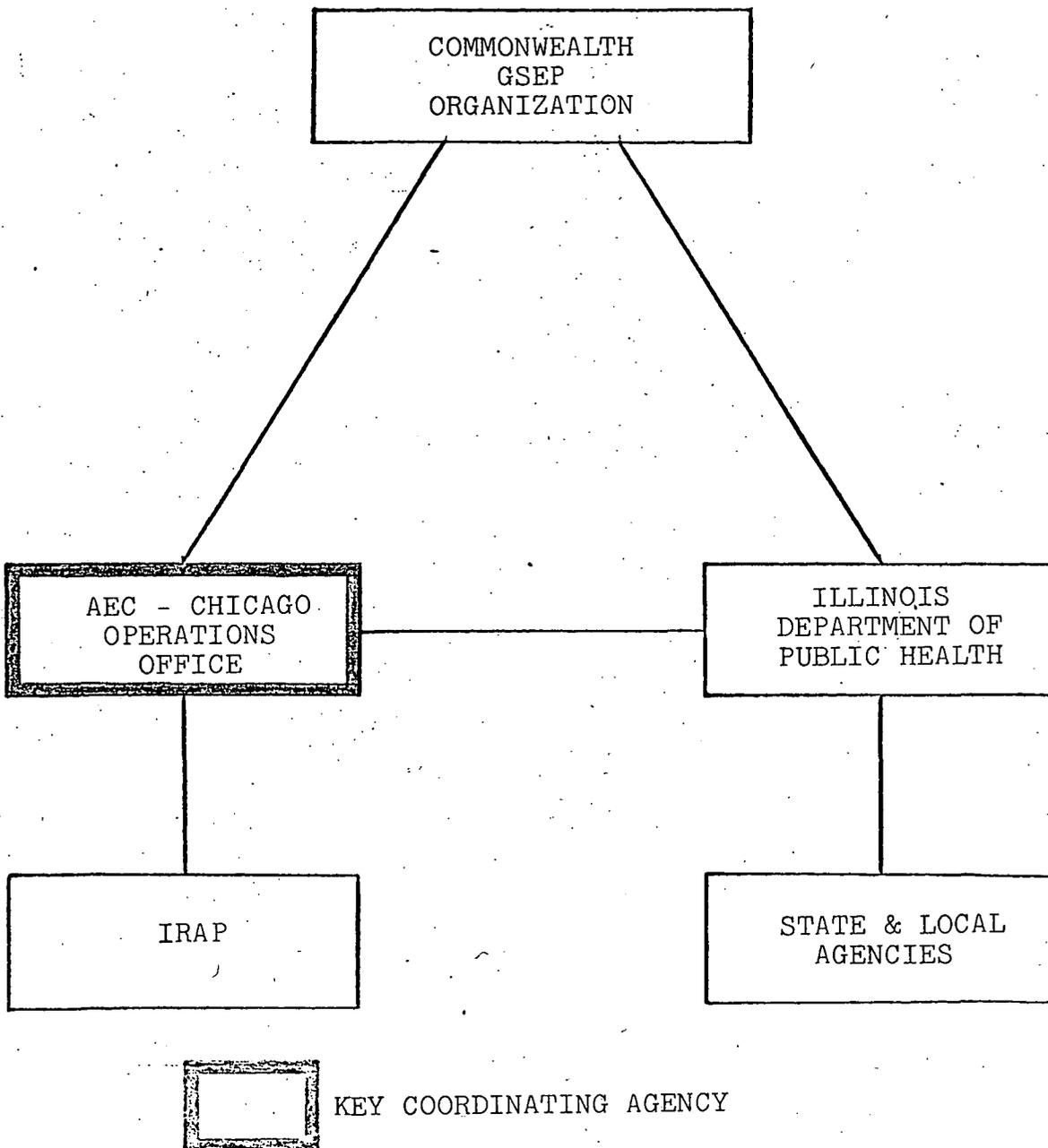


Figure 3.5-2  
Diagnostic and Initial Action Stage

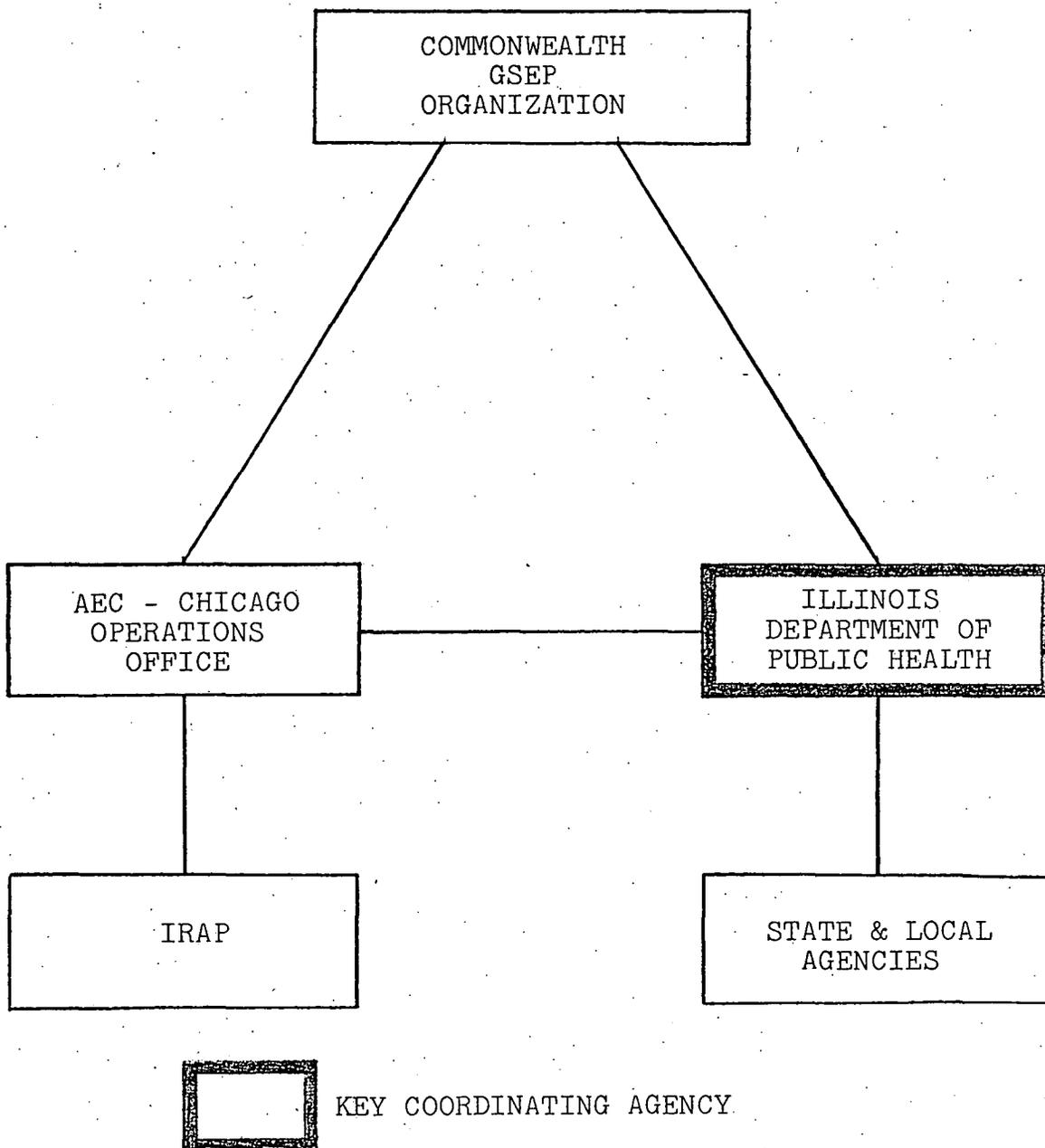


Figure 3.5-3  
Protection and Recovery Stage

4.0 SPECTRUM OF INCIDENTS4.1 General

Any emergency, large or small, is covered by the Generating Stations Emergency Plan. A local emergency is limited to first aid or decontamination work which may be handled by the shift engineer and his crew or shift. For a site emergency with more widespread consequences, a larger group becomes involved.

An injury involving radioactivity requiring hospital care shall be accommodated in accordance with Section 8.0 of the GSEP. The Station GSEP Director shall call for an ambulance, see that initial first aid is given to the injured while waiting for the ambulance. Moreover, he shall see that the injured are handled safely with a minimum spread of contamination to the ambulance. Qualified personnel equipped with the necessary radiation monitoring instruments shall accompany the injured to the hospital and make certain that the spread of contamination is minimized.

In the unlikely event that an emergency occurs, the Station GSEP Director shall immediately account for all people at the station and determine that they take cover in a safe location, institute rescue operations for trapped personnel, and provide initial first aid treatment for injured personnel. He will use the staff available at the station for the initial evaluation of the severity of damage.

If it is apparent from the Station GSEP Director's evaluation that the possibility of an off-site emergency exists, he will initiate the alert stage.

## 4.2 Typical Incidents

Four hypothetical nuclear incidents resulting from postulated accidents with a potential of affecting the health and safety of the public have been considered as a basis for developing the special features of the GSEP emergency procedures respecting nuclear facilities. They are: (1) Design basis loss of coolant accident; (2) Transportation accidents off-site involving shipping casks containing spent fuel; (3) Substantial accidental release of radioactive materials into the cooling water leaving the plant; and (4) Loss of water in the fuel storage pool.

Additionally, detailed emergency procedures applicable to each nuclear generating facility outline the specific measures to be taken on-site in dealing with accidents and emergencies of lesser consequence.

5.0 EMERGENCY ACTIVATION5.1 Detection

Commonwealth's nuclear generating facilities have the ability to detect abnormal situations. This detection capability is provided in the following areas:

- A. Extensive and redundant instrumentation for measuring process variables such as pressures, flows, temperatures, and core nuclear events.
- B. An extensive area radiation monitoring system for detection of radiation leakage into the plant confines and for detection of liquid leakage through drains, leak off lines, and sump and tank levels.
- C. Paths for liquid and gaseous discharge to the environs are monitored for radiation and radionuclides. Critical gaseous effluents from the main stack and other vents are monitored. Paths for discharge for liquid radioactive material through the radwaste system are also monitored to provide detection of an abnormal condition.
- D. Wind direction and velocity from the environs are available using instrumentation associated with a meteorological tower.

5.2 Evaluation

The station shift engineer is responsible for determining when an abnormal condition exists as indicated on plant instrumentation or as the result of inspections of plant equipment. When an emergency is detected, the shift engineer shall evaluate the cause of the emergency, the extent of potential hazard to the health and safety of the public and the extent of damage to the plant facilities.

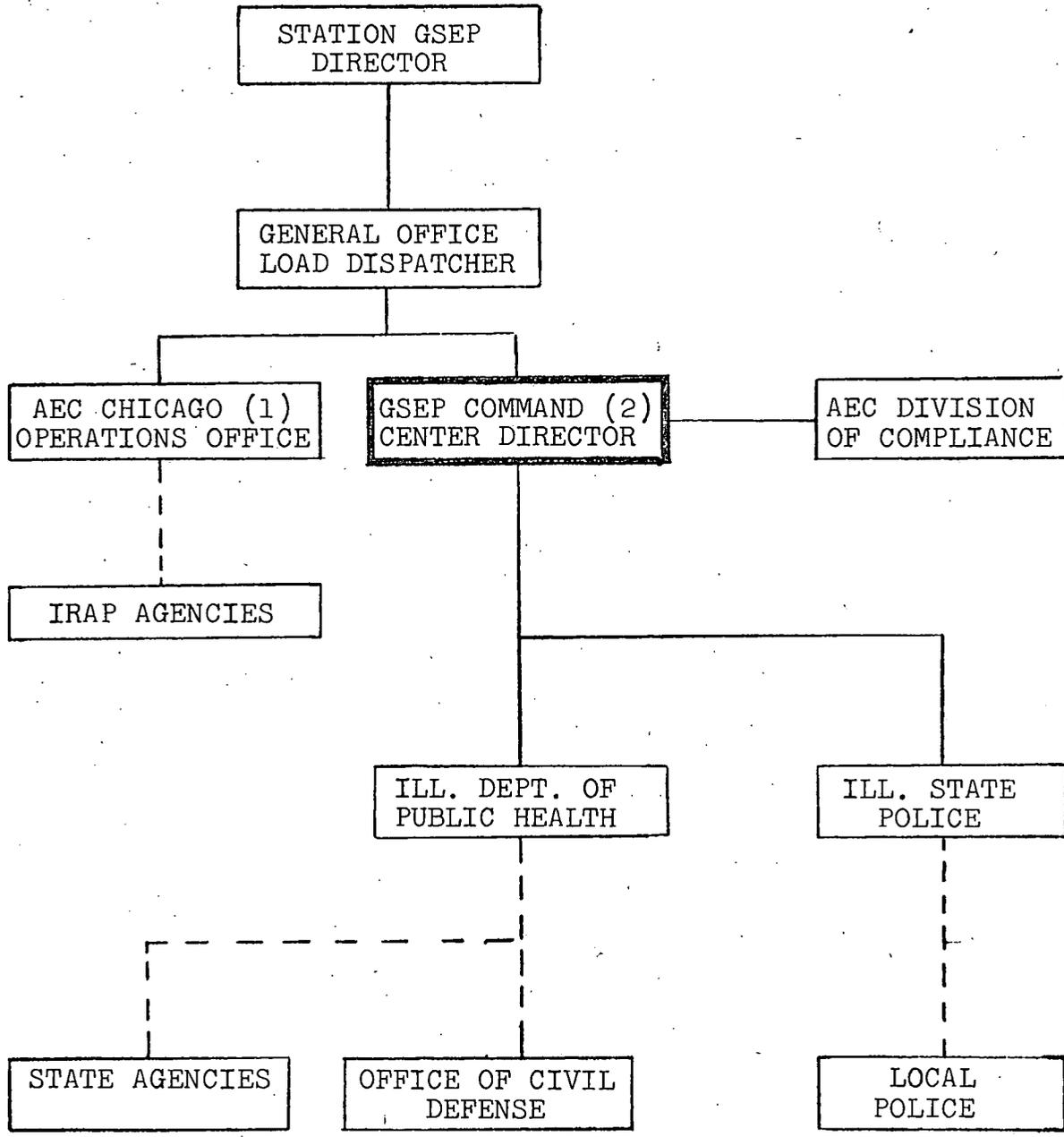
### 5.3 Notification

The Station GSEP Director notifies Commonwealth's General Office Load Dispatcher when a site or off-site emergency exists or if he has reason to believe there is a significant potential of such an emergency occurring. Reliable communication exists between the station and Load Dispatcher's Office. Telephone communication is available between these two locations, and in addition, radio communications are available.

For an off-site emergency, the AEC Chicago Operations Office, the Command Center GSEP Director, the Illinois Department of Public Health, the Illinois State Police, and the AEC Division of Compliance are notified as appropriate in accordance with Figure 5.3-1.

To maintain continuing overall coordination with State and Federal authorities, Commonwealth will, during an off-site emergency, maintain the GSEP Command Center in Chicago. The AEC Chicago Operations Office has a Command Center at Argonne National Laboratory which would be used during an off-site emergency. The Illinois Office of Civil Defense maintains its headquarters in Springfield which will be used as a Communications Center for the Illinois Department of Public Health during an off-site emergency. Reliable communications are available between these centers.

In the case of a transportation accident, the appropriate Commonwealth personnel receiving notice of such an accident notifies the General Office Load Dispatcher who notifies the AEC Chicago Operations Office and the GSEP Command Center Director.



———— C.E.Co. Contacts  
- - - - - Interagency Contacts  
[ ] Key Coordinating Group

(1) Notified First  
(2) Notified Second

Figure 5.3-1  
Notification Diagram

6.0 PROTECTIVE ACTION LEVELS6.1 Gaseous Effluent Discharges from Nuclear Facilities6.1.1 Condition Able

- A. Protective Action Levels: A Condition Able shall exist if a large unexplainable step increase occurs with respect to Noble Gas discharge.
- B. Action to be taken:
- a. The Station GSEP Director shall immediately notify the General Office Load Dispatcher.
  - b. The General Office Load Dispatcher will notify the Command Center GSEP Director to inform him of the situation.
  - c. Action shall be taken in accordance with the detailed emergency procedures at the respective nuclear facility.

6.1.2 Condition Baker

- A. Protective Action Levels: A Condition Baker shall exist if the Noble Gas discharge is greater than half the two day limit stated in the Technical Specifications for the respective nuclear facility.
- B. Action to be taken:
- a. The Station GSEP Director shall immediately notify the General Office Load Dispatcher.
  - b. The General Office Load Dispatcher will notify the Command Center GSEP Director to inform him of the situation.
  - c. Action shall be taken in accordance with the detailed emergency procedures of the respective nuclear facility.

6.1.3 Condition Charlie

- A. Protective Action Levels: A Condition Charlie shall exist if the Noble Gas discharge is greater than either of the two day

or 15 minute values stated in the Technical Specifications for the respective nuclear facility.

B. Action to be taken:

- a. The Station GSEP Director shall immediately notify the General Office Load Dispatcher and if the Environs Director is on-site, dispatch him to begin off-site monitoring procedures.
- b. The General Office Load Dispatcher shall notify the Command Center GSEP Director and the AEC Chicago Operations Office.
- c. The Command Center Director will dispatch the Environs Director if he has not been already dispatched from the station and the other GSEP Directors.
- d. The Command Center Director will then notify the Illinois Department of Public Health at Springfield.
- e. The Command Center Director will then notify the AEC Division of Compliance.

6.1.4 Condition Dog

- A. Protective Action Levels: A Condition Dog shall exist whenever any of the following occur.
- a. A LOCA occurs and subsequently all ECC systems fail.
  - b. A five foot uncontrolled loss of water occurs in the spent fuel pool, with spent fuel in the pool, and the water level decreasing.
  - c. One Rem./hr. at the site boundary.
- B. Action to be taken:
- a. The Station GSEP Director shall immediately notify the General Office Load Dispatcher and if the Environs Director is on-site, dispatch him to begin monitoring procedures.

- b. Station personnel shall, under the prudent man rule, take immediate action in accordance with station procedures to protect the health and safety of the public, and ensure to the extent practicable that they would receive a dose less than set forth in 10 CFR 100.
- c. The General Office Load Dispatcher shall notify the Command Center GSEP Director and the AEC Chicago Operations Office.
- d. The Command Center Director will notify the Environs Director if he has not been dispatched from the station and the other required GSEP Directors.
- e. The Command Center Director will then notify the Illinois Department of Public Health at Springfield.
- f. The Command Center Director will then notify the AEC Division of Compliance.

#### 6.1.5 Bases

The action levels have been chosen to provide adequate monitoring points such that the values and bases discussed in Technical Specifications, which are predicated on the basis of the public receiving an exposure pursuant to the limits in 10 CFR 20, will not be exceeded. Furthermore, additional action level points have been provided for marshalling the GSEP as intended, and to take such immediate action as required to minimize exposure to the public.

## 6.2 Liquid Effluent Discharges from Nuclear Facilities

### 6.2.1 Condition Yoke

- A. Action Levels: A Condition Yoke shall exist at any time when the concentration of radionuclides in the discharge canal at the site boundary attributable to station operations is greater than  $1 \times 10^{-6}$  u Ci/cc on an unidentified radionuclide basis.
- B. Action to be taken:
- a. The Station GSEP Director shall immediately notify the General Office Load Dispatcher and if the Environs Director is on-site, dispatch him to obtain an analysis of the water from an appropriate location.
  - b. The General Office Load Dispatcher shall notify the Command Center Director.
  - c. The Command Center Director shall dispatch the Environs Director to obtain an analysis of the water from an appropriate location if he has not been dispatched directly from the station.

- d. The Command Center GSEP Director shall notify the Illinois Department of Public Health and decide on actions or further sampling procedures that should be instituted.
- e. If further sampling is required, the Command Center GSEP Director shall notify the Environs Director and direct such sampling operations to begin.
- f. The Command Center Director shall then notify the AEC Division of Compliance and other GSEP Directors as required.

#### 6.2.2 Condition Zebra

- A. Action Levels: A Condition Zebra shall exist at any time when the concentration of radionuclides in the discharge canal at the site boundary attributable to station operations is greater than  $3 \times 10^{-6}$  u Ci/cc on an unidentified basis.
- B. Action to be taken:
  - a. The Station GSEP Director shall notify the General Office Load Dispatcher and if the Environs Director is on-site, dispatch him to begin sampling operations.

- b. The General Office Load Dispatcher shall notify the Command Center GSEP Director and the AEC Chicago Operations Office to dispatch a monitoring team to begin sampling operations.
- c. The Command Center GSEP Director will notify the Environs Director and direct him to begin sampling operations if he has not been dispatched directly from the station.
- d. The Command Center Director will then notify the Illinois Department of Public Health. The Command Center Director will suggest to the Illinois Department of Public Health that they begin sampling operations at water intakes and that the release has been of such magnitude that it may be necessary to temporarily close water intakes.
- e. The Command Center Director will then notify the AEC Division of Compliance and notify other GSEP Directors if necessary.

### 6.2.3 Bases

A concentration of radionuclides in the range of  $1 \times 10^{-6}$  to  $3 \times 10^{-6}$  u Ci/cc in the discharge canal will ensure that the

concentration of radionuclides for an unidentified mixture at a water intake would result in an exposure to the public pursuant to the non-occupational requirements of 10CFR20.

The value of  $3 \times 10^{-6}$  u Ci/cc is the  $MPC_w$  for an unidentified mixture for occupational use pursuant to 10CFR20. Releases of greater than this magnitude are the point at which restricting water usage would have to be considered.

7.0 COMMUNICATIONS FACILITIES7.1 General

Communications are vital to handling any emergency situation. Commonwealth uses commercial and leased telephone circuits, radio and transmission line carrier wave communications.

Communications between Commonwealth Generating Stations' control rooms and both the division and General Office Load Dispatchers are maintained using dedicated dispatch telephone lines. These lines are highly reliable since a large portion of the circuitry is underground and micro-wave. In addition, all maintenance on other scheduled activities that might affect the reliability of these units, must be cleared by a Commonwealth-Illinois Bell Telephone Company coordinating group responsible for implementing the administrative controls designed to assure reliability of the special circuits used by Commonwealth for important voice communication, relaying, telemetering and dispatch services.

The continuous service is the Generating Stations' VHF radio network used both to back-up the Load Dispatchers telephone circuits and to rapidly issue emergency orders to all stations during periods of system trouble. Commonwealth is licensed for 12 mobile VHF frequencies, 6 UHF channels, and 5 micro-wave channels. Commonwealth has about 1100 vehicles equipped with two-way mobile radios and about 150 portable transceivers. A portable transceiver is available for mounting in a helicopter available to Commonwealth.

8.0 GSEP NUCLEAR MEDICAL PLAN8.1 Scope

The GSEP Nuclear Medical Plan is applicable to each of Commonwealth's nuclear generating facilities.

8.2 Purpose

The purpose of this plan is to provide the bases for detailed procedures at each nuclear generating station for rescuing injured persons and with respect to such persons, administering first aid, removing radioactive materials using decontamination procedures, and transporting them to qualified hospital facilities for subsequent treatment. The plan provides for the training of operating personnel in medical first aid and specifies the basic requirements for handling contaminated or exposed persons.

### 8.3 On-Site Facilities

The detailed medical emergency procedures for each nuclear generating station shall include a description of the decontamination and first aid facilities available at the facility. Included shall be a list of first aid supplies and equipment available, and the location of such supplies and materials, for the emergency treatment of contaminated or exposed persons.

## 8.4 Off-Site Facilities

### 8.4.1 Transportation

Arrangements shall be made by each nuclear generating station for prompt ambulance service for transporting persons with injuries involving radioactivity from the respective generating station to designated hospitals. Such service shall be available on a 24-hour per day basis and shall be confirmed in writing. Radiation monitoring services shall be provided by Commonwealth whenever it becomes necessary to use the ambulance service for the transportation of contaminated or exposed persons.

### 8.4.2 Hospital Facilities

Arrangements, confirmed in writing, shall be maintained by Commonwealth with a qualified hospital located in the vicinity of each nuclear generating station for receiving and treating of contaminated or exposed persons. Such nearby hospital facilities will be utilized for decontamination and initial treatment of persons with injuries involving radioactivity and requiring immediate hospital care. Commonwealth will provide medical consultants to aid in any special care necessary at these facilities.

Arrangements, confirmed in writing, shall also be maintained with qualified major Medical Center facilities well equipped and staffed for dealing with persons having radiation injuries and whenever necessary, such persons will be transferred to these major hospital facilities for extended specialized treatment. Commonwealth will have available to it specialists on the staff of such hospitals who will provide the direction of the special care necessary for the treatment of persons having radiation injuries.

8.5 Qualification of On-Site Personnel

There are no resident physicians, nurses or industrial hygienists on the staff of Commonwealth's nuclear stations. However, the Station Radiation Protection personnel are experienced in the control of radioactive contamination and in decontamination work, and have had training in first aid. At least one of these men is available on shift at all times.

The functions of the station personnel in handling injured people are to make them comfortable, stop bleeding, restore respiration, and decontaminate by removing clothing or local washing while waiting for the ambulance to arrive.

## 8.6 Medical Consultants

Because of the specialized nature of the diagnosis and treatment of radiation injuries, Commonwealth will maintain a roster of physicians especially competent in this area of medicine and available for the care of persons with these special problems. Included in this roster will be experts in the treatment of internal contamination, cutaneous radiation injury, total body irradiation and other potential problems related to exposure to ionizing radiation or radioactive materials.

These specialists may be in direct charge of the care of these patients or serve as consultants to other physicians in charge of their care.

## 8.7 Procedure Requirements

### 8.7.1 Rescue

An immediate estimate shall be made of radiation dose rates in the area in which injured persons are located. Rescue personnel should be advised of the radiation dose rate to be encountered and of the time available for rescue operations in order to minimize radiation exposure. Rescue operations will be carried out as rapidly as possible consistent with the safety of rescue personnel and safety to the injured.

### 8.7.2 Initial First Aid

Primary attention will be directed to the actual factors involved in the treatment of casualties, namely; the stopping of bleeding and the immobilization of fractures. Special care will be taken to avoid bacterial contamination of wounds in the presence of actual or potential radiation injury and radioactive contamination.

### 8.7.3 Decontamination

Station radiation protection personnel will provide an immediate estimate of the magnitude of surface contamination of the injured and preliminary estimates of gamma total body dose rates to the injured from such surface contamination. Directed by radiation protection personnel, the station will carry out primary rapid and simple decontamination of the surface of the body with sterile water and detergents when possible and advisable before transportation of the injured to a designated hospital.

### 8.7.4 Transportation of Injured

Transportation of radiation contamination or irradiation casualties from the accident site to a designated hospital should

be carried out expeditiously via automobile or helicopter ambulance. Personnel qualified in radiation monitoring techniques shall accompany the injured to the designated hospital to aid in further decontamination, give advice concerning the extent of contamination or injury, and the extent of the decontamination procedure and first aid previously administered.

9.0 RECOVERY PLANS9.1 Purpose

The purpose of this recovery plan is to define the responsibility for on-site and off-site post incident recovery measures, and to provide guidelines for procedures for such recovery measures.

## 9.2 On-Site

Commonwealth is responsible for providing all on-site post incident recovery measures. All major recovery measures shall be performed in accordance with written procedures.

Procedures shall be developed and maintained for each Station covering:

- A. Methods for determining the extent of radioactive contamination.
- B. The protective measures to be taken for personnel performing recovery measures.
- C. Radiation dose management.

Other recovery procedures must be developed following evaluation of the specific situation to which such measures are to be applied. All procedures shall be in conformance with safe work practices.

The recovery procedures that must be developed following an incident include the following activities:

- A. Damage evaluation
- B. Decontamination
- C. Disassembly
- D. Repair
- E. Disposal
- F. Test and start-up of restored facilities.

Guidelines for the preparation of these procedures will be prepared and maintained. These guidelines might include topics to be covered, potential difficulties, general procedure format, and potential for further extrapolation of the emergency.

9.3 Off-Site

The responsibility for off-site recovery with respect to nuclear incidents in Illinois is vested with the Illinois Department of Public Health. Commonwealth will provide assistance to the State of Illinois in carrying out recovery operations. Commonwealth will keep informed of the State of Illinois' plan for off-site recovery.

10.0 Public Information10.1 General

The GSEP provides for supplying the news media with appropriate information on a timely basis and, with respect to nuclear incidents, coordinating the content and release of such information with the AEC and the Illinois Department of Public Health and other appropriate governmental agencies.

10.2 Guidelines

Commonwealth's Command Center Information Director will provide all releases to the news media regarding the emergency situation. He will coordinate the basis of these releases with the other Command Center Directors to provide technical accuracy. The Division Information Director will release all required information to the local news media in the affected area but will clear all of these releases with the Command Center Information Director to ensure that a consistent set of facts is distributed to the public.

Local coordination with the AEC and Illinois Department of Public Health will be done by the Division Information Director and this information coordinated with the Command Center Director for release.

11.0 PLANT SECURITY11.1 Scope

The purpose of this section is to describe the general provisions to be made in providing security for Commonwealth's generating facilities.

11.2 Objectives

The objectives of each plant security plan is to a) protect the health and safety of the public including Commonwealth's employes resulting from entry into hazardous areas of a generating facility, and b) preclude damage to a generating facility occasioned by unauthorized entry, operation or sabotage.

### 11.3 Protection Facilities

Each of Commonwealth's nuclear generating stations shall be enclosed by at least a 7 foot wire mesh heavy gauge fence topped with three strands of barbed wire or other equivalent enclosure. Such enclosures shall be equipped with locked gates or doors and access shall be controlled by guard or a remotely activated locking device operated from the control room. When security is provided by the remote locking device, a closed circuit TV is employed which permits control room personnel to ascertain the identity of persons entering and leaving the station.

High radiation areas within Commonwealth's nuclear generating facilities shall be kept locked except when occupied by authorized persons.

All unattended plant controls, the manipulation of which could result in disarming the engineered safeguards of a nuclear facility or otherwise lead to a situation affecting the health and safety of the public adversely, shall be locked.

11.4 Security Procedures

Each generating facility shall have detailed procedures for maintaining plant security. Access to such facilities shall be limited to employees or other persons authorized for admittance by Commonwealth. All such persons shall be identified before being admitted and a record shall be maintained of their entry and departure. Entry into hazardous areas within the facility shall be restricted to authorized personnel and controlled in accordance with plant operating and safety procedures. All visitors shall be escorted while they are within the controlled access area of the facility.

11.5 Liaison with Law Enforcement Agencies

Each of Commonwealth's generating facilities shall maintain liaison with law enforcement agencies having jurisdiction and responsibilities for providing police protection to the facility. Plant procedures shall provide for requesting the assistance of such agencies in dealing with civil disturbances or acts of violence that may occur which threaten the security of its generating facilities.

12.0 Interactions12.1 Between Units

Commonwealth has provided an adequate staff to man all units on its facilities under both normal operating conditions and in emergency situations. Control room personnel specifically assigned to operating units not experiencing an emergency will remain with their assigned units and maintain the status of those units in a condition that would not affect the health and safety of the public. The personnel operating the units experiencing the emergency will also remain with that unit and take such actions as required by the station emergency procedures. Remaining personnel on-site will provide assistance as needed under the direction of the Station GSEP Director; however, the minimum manning required by the Technical Specifications will be complied with.

12.2 Between Facilities

Commonwealth will provide assistance to other nuclear facilities in the vicinity of its nuclear stations on an as needed basis. An agreement of cooperation between these facilities will be developed to provide an adequate emergency plan for the general area. It is expected that other facilities will also have internal emergency plans as these other facilities could be the initiators of an incident. Commonwealth will provide assistance to such facilities to the extent that this assistance will not jeopardize Commonwealth's facilities.

## 13.0 Operational Readiness

### 13.1 Document Control

Commonwealth's Manager of Production is responsible for keeping the GSEP up-to-date and for ensuring that updated copies are maintained by all persons requiring GSEP Manuals. Each GSEP manual shall bear a serial number. A record will be maintained by the Manager of Production of all manuals issued and he shall ensure that all persons in possession of a GSEP receive authorized changes. Holders of a GSEP manual will be required to acknowledge receipt of such changes in writing.

### 13.2 Periodic Review

The GSEP shall be reviewed periodically and at such times as major changes at a facility required a review and updated as required.

All proposed changes in the GSEP basic plan shall be approved by the Manager of Production, and reviewed for adequacy by Commonwealth's Nuclear Review Board.

### 13.3 Personnel Assignment

The Command Center Director shall be appointed by Commonwealth's President. The other Commonwealth GSEP

participants are appointed by the Manager of Production. The Manager of Production is responsible for notifying each person assigned a GSEP manual of such assignments and subsequent changes, and for the operational readiness of the GSEP.

#### 13.4 Emergency Drills

Emergency Drills shall be an internal company function. The administrators of the GSEP are all Commonwealth personnel. Outside agencies will not be activated in the practice but will be called upon to confirm their readiness. Commonwealth's personnel will be required to respond to the practice emergencies in the same manner they would be expected to respond in an emergency. Emphasis will be placed on the initial actions and the rapidity with which the organization can be put into action after the alarm is given.

The Manager of Production shall ensure that proper training and drills are conducted periodically.