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APPENDIX 1, NUCLEAR FACILITY PROCEDURES, TO THE WAYNE COUNTY EMERGENCY OPERATIONS PLAN

Appendix 1 supports the Basic Plan and Annexes of the Wayne County Emergency Operations Plan. It includes the resources of the entire Wayne County emergency preparedness jurisdiction and specifically those of Flat Rock, Rockwood, and Gibraltar which are included in the Enrico Fermi Primary Emergency Planning Zone.

The concept of operations and responsibilities assigned herein are in accordance with Act 390, the Michigan Emergency Preparedness Act.

_____ _____

Samuel Turner, Date
Chairman, Wayne County
Board of Commissioners

_____

Mitchell Kozak,
Wayne County Emergency
Preparedness Coordinator

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9		Managing Director, Wayne Co. Rd. Commission	
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24	Jean Thompson	City Clerk	29450 Munro Gibraltar, MI.
25	Jan Meyer	E.P.C. Deputy Gibraltar	29400 Munro Gibraltar, MI.
26	Arthur Redman	E.P.C. Ass't. Deputy Gibraltar	29411 Munro Gibraltar, MI.
27	Joseph Jasinski	Councilman	29450 Munro Gibraltar, MI.
28	Patrick Manning	Fire Department Deputy Fire Chief	29400 Munro Gibraltar, MI.
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30	Arthur Redman	Public Works Dept. Director	29411 Munro Gibraltar, MI.
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32	Richard Light	Superintendent, Gibraltar Board of Education	33494 W. Jefferson Rockwood, MI
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42	Charles Stedman	Dept. Public Works, Superintendent	25500 Gibraltar Road Flat Rock, MI.
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CITY OF ROCKWOOD			
45	Howard Townsend	Mayor	32409 Fort St., Rockwood, MI 48173
46	Ronald Bolenbaugh	Mayor Pro-Tem	32409 Fort St., Rockwood, MI. 48173
47	Darrel Fecho	City-Admin.	32409 Fort St., Rockwood, MI. 48173
48	Gerald Norrix	Chief of Police (Dep. E.P.C.)	32409 Fort St., Rockwood, MI. 48173
49	Frank Hinzmann	Fire Chief	32409 Fort St., Rockwood, MI. 48173
50	Daniel Mercure	Capt., Fire Dept. (Ass't. Dep. E.P.C.)	32409 Fort St., Rockwood, MI. 48173
51		Director, Public Works	

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I. REFERENCES

A. Act 390, of the Public Acts of 1976, the Michigan Emergency Preparedness Act, contains the basis for emergency response for the State and local governments.

B. Wayne County Emergency Preparedness Resolution dated March 17, 1977, supports Act 390.

II. PURPOSES

A. To support the Wayne County Emergency Operations Plan.

B. To provide specific response procedures for an incident at the Enrico Fermi Atomic Power Plant, Unit 2.

III. DEFINITIONS

A. Radiological Release

1. An airborne release of radiological contaminants in gaseous or particulate form. This release could be instantaneous in the form of a single cloud or "puff", or it could be a prolonged release or "plume".

2. A liquid release of radiological contaminants that flow into the waterway system.

B. Protective Actions - Those emergency measures taken to prevent or minimize radiological exposure. These may include in-place sheltering or evacuation.

C. Protective Action Guides (PAG's) - Guides for protective action based on the projected or committed dose values of individuals in the general population. Protective actions would be warranted provided the reduction in individual dose expected to be gained by these actions is not offset by excessive risks to safety in taking the protective actions. The PAG's do not include the dose that has unavoidably occurred prior to the assessment (Refer to the Health/Medical Appendix for the PAG's.)

D. Exclusion Area - That area surrounding a nuclear facility from which the owner has the authority to exclude or remove people and property.

E. Off-Site - Outside the exclusion area.

F. On-Site - Within the exclusion area.

G. Michigan Emergency Preparedness Plan - The state disaster preparedness plan which the Director of the Department of State Police is responsible for preparing and continuously updating pursuant to Act 390 of the Public Acts of 1976 and which sets forth actions to be taken by state agencies in response to a nuclear incident and other disasters.

H. Evacuation - The orderly movement of people away from an actual or potential hazard. For a radiological release, evacuation will be directed at right angles from the actual or projected plume to avoid exposure.

I. Housing Area - The area designated for temporarily housing evacuees in the event of a nuclear power plant incident. This area is 20 miles or further from the nuclear power plant. Refer to Social Services Appendix for a map showing this area in Wayne County.

J. Congregate Care Facility - A public or private building in the housing area that may be used to lodge and care for evacuees. Generally, assigned space is approximately 40 square feet per person.

K. Reception Center - A pre-designated facility on the periphery of the ten mile EPZ which acts as the distribution point for the population seeking congregate care. If decontamination is recommended, it will also become a decontamination center.

L. Decontamination Center - A location with shower facilities and a large parking area used to monitor evacuees for radiological contamination and to decontaminate evacuees and their belongings, if necessary. Several of these centers may be established on the periphery of the hazard area. They may also double as reception centers.

M. Traffic Control Points - The points along evacuation routes that are staffed by police to direct the evacuation.

N. Access Control Points - The points around the periphery of the affected area to control access into the area.

O. Emergency Planning Zone (EPZ) - The area around a nuclear facility for which planning is required to assure that prompt and effective action will be taken to protect the public in the event of an incident. A primary EPZ (the plume exposure pathway) will consist of all cities, villages, and townships within a ten mile radius of the facility within which procedures for shelter and evacuation are major concerns. A secondary EPZ (the ingestion exposure pathway) will consist of all counties, inclusive of the jurisdictions they encompass, within a 50 mile radius of the facility within which procedures for monitoring food and water contamination are major concerns.

The EPZ is divided into sectors and zones to facilitate the implementation of protective actions on an area specific basis. Refer to Attachments G and H.

P. Nuclear Incident - An event at the plant which may be classified as an unusual event, alert, site area emergency, or general emergency according to the criteria established in Attachment B.

Q. Radiological Incident Classification - The plant operator is required to classify the incident according to the established classification system; i.e., unusual event, alert, site area emergency, or general emergency. The Michigan Department of Public Health has the responsibility to review the operator's nuclear incident classification, and on the basis of the information supplied by the operator and their own monitoring data, the department will issue the appropriate protective action guides. State and local emergency response organizations will use this classification system as a basis for emergency actions in accordance with the appropriate emergency operations plans. Refer to Attachment C. Licensee actions will be taken according to Attachment D.

R. Dosimeter - A radiation monitoring device which measures the amount of radiation to which the instrument has been exposed. It comes in both permanent record and self reading types.

S. Emergency Operations Facility - The plant operator's counterpart to the emergency operating center.

T. Joint Public Information Center (JPIC) - The point from which all public information releases will be made by a "joint public information team" (JPIT) made up of representatives from local, state, and federal government, and the utility.

IV. CONCEPT OF OPERATION

A. Implementing Procedures

1. The Chairperson of the Wayne County Board of Commissioners is responsible for implementing the necessary protective actions and for directing the disaster relief forces in the county in time of emergency in accordance with Act 390. In the event of a nuclear incident where off-site releases have occurred or there is the imminent threat thereof, he will declare a State or Emergency, thereby activating the Wayne County Emergency Operations Plan. This could occur under any one of the four classes of incidents. (Refer to Attachment E.) The policy and procedures stated in the plan will guide disaster relief forces in their response efforts.

2. In the event of a nuclear incident where off-site effects occur, or there is the imminent threat thereof, the Governor may declare a State of Disaster pursuant to Act 390, of the Public Acts of 1976. The Michigan Emergency Preparedness Plan will be activated by this action along with the local plans, if not already activated. Once a state of disaster is declared the Governor will direct the emergency response. Compensation and liabilities will be resolved according to the statutory authority contained within the act.

B. Notification

1. If a nuclear incident occurs at the Enrico Fermi Atomic Power Plant, the plant operator is required to immediately notify the nearest Michigan State Police post and the Monroe City/County Joint Communications Center, both 24-hour a day response organizations. The Communications Center will be notified by dedicated telephone line or by State Police radio frequency as an alternate source. A simple call-back procedure will be used to authenticate the information received from the plant. Notification will be immediate upon the discovery of the nuclear incident. The plant operator will not wait for off-site radiation readings or complete information. Favorable meteorological conditions will not be justification for lack of notification.

2. Upon notification, the Communications Center will immediately notify the Flat Rock Police Department in Wayne County. The Flat Rock Police Department will then notify the Wayne County Emergency Preparedness Coordinator and the police departments in Rockwood and Gibraltar, and the fire department in Brownstown Township, all 24-hour operations. For additional notification procedures, see the Warning and Law Enforcement Appendices. Refer to the Warning Appendix for the information that will be made available by the Plant Operator (through Monroe County) as it becomes available.

3. Refer to the Warning Appendix for the notification sequence for other municipalities and key emergency response organizations.

4. Upon notification, the Emergency Preparedness Coordinator will contact the Chairperson who will take the action necessary to activate the Wayne County Emergency Operations Plan, as appropriate.

5. The Flat Rock Police dispatch will continuously disseminate updates and current information received initially from Monroe County and later from the On-Scene State EOC for the duration of the crisis. This information will be made available to all applicable parties listed on the call list and to the EOC staff. The Wayne County On-Scene EOC will be located in this facility to make this information readily available. The staff will disseminate the information to their respective departments according to procedures established in their appendices.

C. Execution

1. Preparation for and coping with a nuclear plant incident is a joint, cooperative effort of private industry and local, state, and federal governments. Each organization defines its role, prepares plans, trains staff, and conducts exercises in advance to ensure that is will be able to coordinate all activities with other organizations and respond effectively if an incident occurs.

2. The plant operator will classify the incident. State and local action will be taken based on this classification. The Michigan Department of Public Health will evaluate the classification and issue the appropriate recommendations for protective action.

3. The plant is responsible for all on-site operations in conjunction with the Nuclear Regulatory Commission. It will provide the state and county EOC's with information concerning projected dose accumulations off-site as well as current and forecasted meteorological conditions.

4. The plant will provide the initial recommendations for protective actions. These actions may be altered accordingly upon further assessment of the situation by the Michigan Department of Public Health.

5. The basis for the actions taken by the utility and the state, local, and federal governments is the Emergency Action Level Classification System. Each Appendix has as one of its attachments mutually agreeable and established bases for notification, alert, and mobilization under each class of incident. The Appendix to the Direction and Control Annex begins the triggering action.

V. ORGANIZATION

A. Command and Control

1. The Wayne County Emergency Preparedness Coordinator is responsible for emergency planning and updates, and overall coordination of emergency operations in Wayne County. The Deputy Coordinators appointed from Flat Rock, Gibraltar, Rockwood, and other areas will assist him in this task. He will coordinate all off-site operations to assure that the proper notification and utilization of agencies occurs, and that requests for assistance are met, and the continuity of resources maintained. Agency assignments and responsibilities are reflected in each respective department or agency's Annex to the Wayne County Emergency Operations Plan, Appendix 1. Refer to Attachment A for the emergency function and agency assignment chart for a nuclear power plant incident.

2. The Wayne County On-Scene Emergency Operating Center for a nuclear power plant incident is located at Flat Rock Municipal Building (Police Department) 25500 Gibraltar Street, Flat Rock.

   In the event the dose rates exceed the limits set by the Environmental Protection Agency or upon the recommendation of the Michigan Department of Public Health, the EOC will be relocated to the Wayne County Emergency Preparedness Office, Wayne County Complex, Building A, Westland.

   The Deputy Emergency Preparedness Coordinators from Gibraltar, Flat Rock, and Rockwood will be present in the EOC to assist in coordinating the specific response in their jurisdictions. They will communicate directly with the applicable departments in their communities.

   Refer to Appendix 1 to the Direction and Control Annex for complete staffing of the EOC.

   The Emergency Operating Center is the central point for command and control of local disaster relief forces. Communications with contiguous governments and operating centers and with county disaster relief forces will take place from this location on a continuous basis. The county Public Information Officer will gather information from operational heads in this facility and disseminate it to the public from the Joint Public Information Center to be used jointly by federal, state, local, and plant operator officials for this purpose.

3. Once a State of Disaster is declared by the Governor, state resources will be provided to support existing local forces. The state will direct and control resources and coordinate action from the State EOC until the On-Scene State EOC at the Michigan State Police post in Flat Rock is fully operational. The On-Scene State EOC will be the central point for receipt and analysis of all field monitoring data upon which decisions will be made. Information from this point will be forwarded to the State EOC in Lansing where the Governor and state agency representatives will be kept informed.

4. Until the On-Scene State EOC is fully operational, the State EOC will serve in this capacity. Local communication will be direct to this location until the On-Scene State EOC can assume these functions.

5. Requests for federal assistance will be coordinated through the State. Local resources within the area will be made available to federal response teams as necessary and as available. The Enrico Fermi Site Plan lists resources in the area.

B. Liaison

1. A Michigan State Police, Emergency Services Division Field Coordinator will provide liaison to the Wayne County On-Scene EOC to assure that a coordinated response and exchange of information takes place between state and local government.

2. The plant will activate an Emergency Operating Facility (EOF) when a nuclear incident occurs. They will coordinate their actions with the counties and the state and transmit information and recommendations from this site. A utility representative will be present in the county EOC to provide liaison until the On-Scene State EOC is activated. Once it is activated, all information from the operator's EOF will be transmitted through the On-Scene State EOC.

3. Liaisons from the county will be present at the On-Scene State EOC at the Flat Rock State Police post and at the plant operator's Emergency Operating Facility (until the On-Scene State EOC is activated). Refer to Appendix 1 to the Direction and Control Annex for these assignments.

VI. TASKS AND EXECUTION

A. Dissemination of Warning

1. The Warning Annex provides for alerting key officials and the general public under all emergency circumstances. Specifics for a radiological incident are included within Appendix 1 to the Warning Annex.

B. Radiological Monitoring

1. Initially, monitoring will be accomplished by the plant and transmitted to the county EOC and State EOC for plotting. Plotting will project plume direction and will show the area affected. The plotting will be coordinated in the county EOC by the Radiological Defense Officer in accordance with the Radiological Defense Appendix. The affected area will be determined according to wind direction, atmospheric conditions, and the type of release.

2. Off-site monitoring and sampling will be necessary to determine any changes in the plume. Wayne County radiological defense personnel will assume this responsibility in Wayne County until the Michigan Department of Public Health monitoring teams arrive. The Radiological Defense Appendix describes monitoring capabilities. Initially, the plant, and later the Michigan Department of Public Health, will provide the majority of the radiological monitoring for the county.

3. The Michigan Department of Public Health will provide reports of off-site conditions once activated. The department will assume the primary responsibilities for radiological monitoring, exposure control, and protective action guidelines. The On-Scene State EOC will become the central point for analysis once established. Until that time, the State EOC will assume this function.

4. The Radiological Defense Officer will issue dosimeters for monitoring dose accumulations of emergency personnel. He will be responsible for recording exposure levels and controlling exposure.

C. Access Control

1. Access to the area will be controlled by establishing access control points staffed by local law enforcement officials. Potential access control points are identified in the Law Enforcement Appendix.

2. Upon the receipt of a Governor's State of Disaster declaration, state resources will augment local efforts according to the Michigan Emergency Preparedness Plan.

D. Evacuation

1. Evacuation may be ordered by the Governor (as recommended by the Department of Public Health) as a protective action based on the existing conditions. The affected sectors and zones of the Primary Emergency Planning Zone will be determined by the type of release and prevailing meteorological conditions.

2. If possible contaminants are involved, the evacuees may require processing through a decontamination center. Several of these centers will be established along the periphery of the affected area for monitoring, decontamination, registration, and medical surveillance. Refer to the School Appendix for a list of potential decontamination centers.

   The Michigan Department of Public Health will provide guidance in decontamination actions.

3. The primary means of evacuation will be by private vehicle. School buses will supplement this means for those who have no transportation. Persons requiring specialized transportation will be provided special services as stated in the Appendix to the Health/Medical Annex.

4. Refer to each department's Nuclear Facility Procedures Appendix in the Emergency Operations Plan for specific evacuation responsibilities.

E. Sheltering

1. Evacuation may not be recommended due to the particular release and immediate radiological threat. Sheltering in-place may be advised as the appropriate protective action.

2. Refer to each department's Nuclear Facility Procedures Appendix in the Emergency Operations Plan for specific sheltering responsibilities.

F. Emergency Worker Exposure Control

1. The Radiological Defense Officer is responsible for maintaining a record of exposure for all emergency response personnel and an estimated record of exposure for the populace.

2. The maximum dose to emergency workers will not exceed a cumulative of 25 REM to the whole body. Exposure beyond this limit will be on a voluntary basis and then only for lifesaving purposes. Emergency worker exposure criteria can be found in the Radiological Defense Appendix.

G. Public Information

1. All public information releases will be coordinated with the county EOC.

2. The Public Information Officer will be situated at the Joint Public Information Center (JPIC). A contact will be present in the EOC beside the Chairperson where he will gather information from department heads and forward it to the JPIC.

3. The state and federal governments and the plant will coordinate with the county EOC before any public release of information. Representatives from each will be present at the JPIC. This press area will be established for joint news releases and mutual exchange of information. It will be located at Monroe County Community College in Monroe.

4. Appropriate public information will be given to the population through news releases from the Joint Public Information Center. The activation of the warning system and immediate release of public protective action information will be coordinated through the EOC and Warning Officer to preserve its timeliness.

H. Food or Water Contamination

1. Upon notification of an incident that may cause food product and/or water contamination, the Emergency Preparedness Coordinator will follow the recommendations of state officials in alerting users of the affected food and/or water. Appropriate protective measures will be taken, including intensive sampling to determine what further actions are needed.

I. Reentry and Recovery

1. The Michigan Department of Public Health will provide recommendations to the Governor on reentry. He will order it. Refer to Tab I19 to Attachment I to Appendix 1 to Annex Q of the Michigan Emergency Preparedness Plan for specifics. When radiation dose levels fall below the established limits, protective measures will be relaxed and preparation for recovery begun.

2. Procedures for reentry will be directed by the Chairperson of the Board and coordinated by the Wayne County Emergency Preparedness Coordinator. All departments with emergency responsibilities will carry out their assigned tasks according to their appropriate appendix.

3. Local government is responsible for the recover of and reentry into areas evacuated and/or contaminated due to an off-site release. They will receive advice and assistance from the Michigan Department of Public Health. Tasks required during this period include:

   a. Decontamination of people, property and food;
   b. Continued security of evacuated areas to prevent unauthorized entry and vandalism;
   c. Health and medical services for evacuees;
   d. Mass care and welfare;
   e. Monitoring of people and property;
   f. Transportation;
   g. Radioactive waste disposal;
   h. Engineering support;
   i. Long-term monitoring;
   j. Scheduling and controlling reentry based on criteria established by the Michigan Department of Public Health;
   k. Preparing a summary report of the emergency with recommendations for further actions and information to the local Emergency Operations Plan.

J. Training

1. It is the responsibility of each agency committed to a nuclear power plant incident response to initially and annually train and maintain the capability of its staff to respond to an incident. This will include annual meetings to discuss emergency operations and responsibilities as well as special training programs designed specifically for a nuclear power plant incident response. On-the-job training is also considered valuable since many emergency assignments are made in line with normal departmental duties. These training programs will also be offered to other departments and agencies not directly affected, but which could become involved through mutual aid agreements. Refer to each annex's Appendix 1, for existing training programs for a particular agency, including their scope, nature, and frequency.

2. Special training programs and drills will be coordinated by the Wayne County Emergency Preparedness Coordinator.

3. Refer to Attachment 1 to Appendix 1 to the Direction and Control Annex of the Michigan Emergency Preparedness Plan for a description of the state-wide training programs held for emergency response preparation for a nuclear facility incident. These may be applicable for several agencies in Wayne County.

K. Drills

1. A drill is a supervised instruction period aimed at testing, developing, and maintaining skills in a particular operation.

2. Several drills will be held as required in Wayne County on a timely basis by various agencies. Refer to the appropriate appendix for details on specific drills.

3. A drill is often a component of an exercise. Therefore, drills will be held concurrently with the major or small scale exercise to be held annually in the Enrico Fermi Primary Emergency Planning Zone.

L. Exercise of Plan

1. Wayne County will participate in a major joint federal, state, county, and plant operator exercise prior to the adoption of the nuclear facility procedures portion of the Wayne County Emergency Operations Plan and thereafter as required. A major exercise will be held prior to licensing of the Enrico Fermi plant.

2. The major exercise will test the intergrated capability and a major portion of the basic elements existing in the emergency preparedness plans and organizations. It will simulate an emergency that results in off-site radiological releases which would require response by off-site authorities. It will include mobilization of state and local resources and personnel adequate to verify the capabilities to respond to an accident at the plant requiring response. Exercises shall be conducted as set forth in NRC and FEMA rules.

3. Required drills will be held concurrently with the annual exercise. The required annual news media briefing will also be held at the time of the exercise as well as the distribution of public information.

4. The exercise scenario will be jointly written by federal, state, local, and plant officials. It will be varied from year to year so that all major elements of the plans and preparedness organizations are tested. Some exercises may begin between 6:00 p.m., and midnight. They will be conducted under various weather conditions. Some may be unannounced. The scenario will be written to allow free play for decision making. The information that must be included in the scenario is as follows:

   a. The basic objective(s) of each drill and exercise and appropriate evaluation criteria.

b. The date(s), time period, place(s) and participating organizations.
c. The simulated events.
d. A time schedule of real and simulated initiating events.
e. A narrative summary describing the conduct of the exercises or drills to include such things as simulated casualties, off-site fire department assistance, rescue of personnel, use of protective clothing, deployment of radiological monitoring teams, and public information activities.
f. A description of the arrangements for qualified observers and advance material to be provided to them.

5. Federal, state, and local officials will observe, evaluate, and critique the exercise. A formal critique will be held as soon as practical after the exercise to evaluate the ability of organizations to respond as called for in the plan. The Wayne County Emergency Preparedness Coordinator will evaluate observer and participant comments on areas needing improvement. He is responsible for implementing corrective action. He will incorporate the recommended changes in the plan in his annual review of the plan, or as necessary.

M. Update of Plan

1. The nuclear facility procedures portion of the Wayne County Emergency Operations Plan will be reviewed and certified as current annually. The Emergency Preparedness Coordinator will update the plan when needed and based on the evaluations received from the exercise and drills.

2. The Emergency Preparedness Coordinator will update telephone numbers and personnel assignments quarterly. He will do this by requesting a review of this information by each agency responsible for an annex. Each agency will submit changes to the coordinator who will incorporate them into the plan.

3. The Emergency Preparedness Coordinator will distribute revised pages or additions to the plan as needed to those who have control copies of the plan. A control sheet will be included, to be signed by the receiving party and returned to the coordinator. See Attachment P for the control sheet to be used.

VII. ADDENDA

A. Emergency Function and Agency Assignment Chart

B. Emergency Action Level Classifications

C. State and/or Local Off-Site Authority Actions

D. Licensee Emergency Action Levels

E. Emergency Response Interrelationships

F. Emergency Operating Center Interrelationships

G. Primary Emergency Planning Zone Map

H. Secondary Emergency Planning Zone Map

I. Primary EPZ Population Distribution by Sector

J. 1980 Population Figures by Jurisdiction

K. Disaster Declaration Request

L. Supporting Plans and Documents

M. Plans Revision Control Sheet

NUCLEAR POWER PLANT EMERGENCY FUNCTION AND AGENCY ASSIGNMENT CHART

AGENCY ASSIGNMENT → / DISASTER RECOVERY FUNCTION ↓	Emergency Preparedness Coordinator	Police	Fire	Health Dept.	Road Commission	Radiological Defense	Social Services	Schools	Public Information Officer	Bureau of Taxation	Chairperson	State Responsibility	Plant Operator Responsibility
Access Control		P			S								
Activation of Plan											P		
Animal and Pest Control				P									
Classification of Incident												P	P
Clothing							P						
Communications		P	S										
Crisis Counseling				P			S						
Decontamination			S	S		P							
Decontamination Centers	P		S	S		S	S	S					
Direction and Control	S										P		
Dosimetry - 24 hr.			S			P							
Dosimeter Distribution			S			P							
Emergency Medical Services			S	P									
Emergency Operating Center	P										P		
Evacuation Authority											S	P	
Evacuation Route Clearance		P			P								
Exposure Control			S			P							
Exposure Records			S			P				S			
Field Analysis						S						P	S
Fire Fighting			P										
Health and Sanitation				P									
Heavy Rescue		S	S		P								
Interagency Coordination	P												
Law and Order		P											
Liaison to State/Operator	P												
Mass Feeding							P	S					
Meteorological Analysis						S						P	S
Public Information									P				
Public Safety											P		
Rad. Monitoring						S						P	S
Rad. Response Planning	P												
Radioactive Waste Removal												P	S
Radioprotective Drug Adm.				S								P	
Registration							P						
Reentry Authority												P	
Rumor Control									P				
Temporary Housing							P	S					
Traffic Control Authority		P			S								
Traffic Control Supplies					P								
Training	P											S	
Transportation of Disabled				P				S					
Transportation for Population								P					
Transportation for Supplies					P								
Voluntary Agency Coordination							P						
Warning		P	S										

P = Primary Responsibility
S = Support

NUCLEAR INCIDENT EMERGENCY ACTION LEVEL CLASSIFICATIONS*

CLASS	DESCRIPTION	PURPOSES
NOTIFICATION OF UNUSUAL EVENT	Unusual events are in process or have occurred which indicate a potential degradation of the level of safety of the plant. No releases of radioactive material requiring offsite response or monitoring are expected unless further degradation of safety systems occurs.	1. To assure that the first step in any response later found to be necessary has been carried out. 2. To bring the operating staff to a state of readiness. 3. To provide systematic handling of unusual events information and decision making.
ALERT	Events are in process or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant. Any releases expected to be limited to small fractions of the EPZ Protective Action Guideline exposure levels.	1. To assure that emergency personnel are readily available to respond if situation becomes more serious or to perform confirmatory radiation monitoring if required. 2. To provide offsite authorities current status information.
SITE AREA EMERGENCY	Events are in process or have occurred which involve actual or likely major failures of plant functions needed for protection of the public. Any releases not expected to exceed EPZ Protective Action Guideline exposure levels except near site boundary.	1. To assure that response centers are manned. 2. To assure that monitoring teams are dispatched. 3. To assure that personnel required for evacuation of nearsite areas are at duty stations if situation becomes more serious. 4. To provide consultation with offsite authorities. 5. To provide updates for the public through offsite authorities.
GENERAL EMERGENCY	Events are in process or have occurred which involve actual or imminent substantial core degradation or melting with potential for loss of containment integrity. Releases can be reasonably expected to exceed EPZ Protective Action Guideline exposure levels offsite for more than the immediate site area.	1. To initiate predetermined protective actions for the public. 2. To provide continuous assessment of information from licensee and offsite organization measurements. 3. To initiate additional measures as indicated by actual or potential measures. 4. To provide consultation with offsite authorities. 5. To provide updates for the public through offsite authorities.

*Extracted from NUREG-0654/FEMA-REP-1, dtd October, 1980

STATE AND/OR LOCAL OFFSITE AUTHORITY ACTIONS*

NOTIFICATION UNUSUAL EVENT	(1) Provide fire or security assistance if requested, (2) Escalate to a more severe class, if appropriate, or (3) Stand by until verbal closeout.
ALERT	(1) Provide fire or security assistance if requested, (2) Augment resources and bring primary response centers and EBS to standby status, (3) Alert to standby status key emergency personnel including monitoring teams and associated communications, (4) Provide confirmatory offsite radiation monitoring and ingestion pathway dose projections if actual releases substantially exceed technical specification limits, (5) Escalate to a more severe class, if appropriate, or (6) Maintain alert status until verbal closeout or reduction of emergency class.
SITE AREA EMERGENCY	(1) Provide any assistance requested, (2) If sheltering near the site is desirable, activate public notification system within at least two miles of the plant, (3) Provide public within at least about 10 miles periodic updates on emergency status, (4) Augment resources by activating primary response centers, (5) Dispatch key emergency personnel including monitoring teams and associated communications, (6) alert to standby status other emergency personnel (e.g., those needed for evacuation) and dispatch personnel to nearsite duty stations, (7) Provide offsite monitoring results to licensee, DOE and others and jointly assess them, (8) Continuously assess information from licensee and offsite monitoring with regard to changes to protective actions already initiated for public and mobilizing evacuation resources, (9) Recommend placing milk animals within 2 miles on stored feed and assess need to extend distance, (10) Provide press briefings, perhaps with licensee, (11) Escalate to general emergency class, if appropriate, or (12) Maintain site area emergency status until closeout or reduction of emergency class.
GENERAL EMERGENCY	(1) Provide any assistance requested, (2) Activate immediate public notifications of emergency status and provide public periodic updates, (3) Recommend sheltering for 2 mile radius and 5 mile downwind and assess need to extend distances. Consider advisability of evacuation (projected time available vs. estimated evacuation times), (4) Augment resources by activating primary response centers, (5) Dispatch key emergency personnel including monitoring teams and associated communications, (6) Dispatch other emergency personnel to duty stations within 5 mile radius and alert all others to standby status, (7) Provide offsite monitoring results to licensee, DOE and others and jointly assess them, (8) Continuously assess information from licensee and offsite monitoring with regard to changes to protective actions already initiated for public and mobilizing evacuation resources, (9) Recommend placing milk animals within 10 miles on stored feed and assess need to extend distance, (10) Provide press briefings, perhaps with licensee, or (11) Maintain general emergency status until closeout or reduction of emergency class.

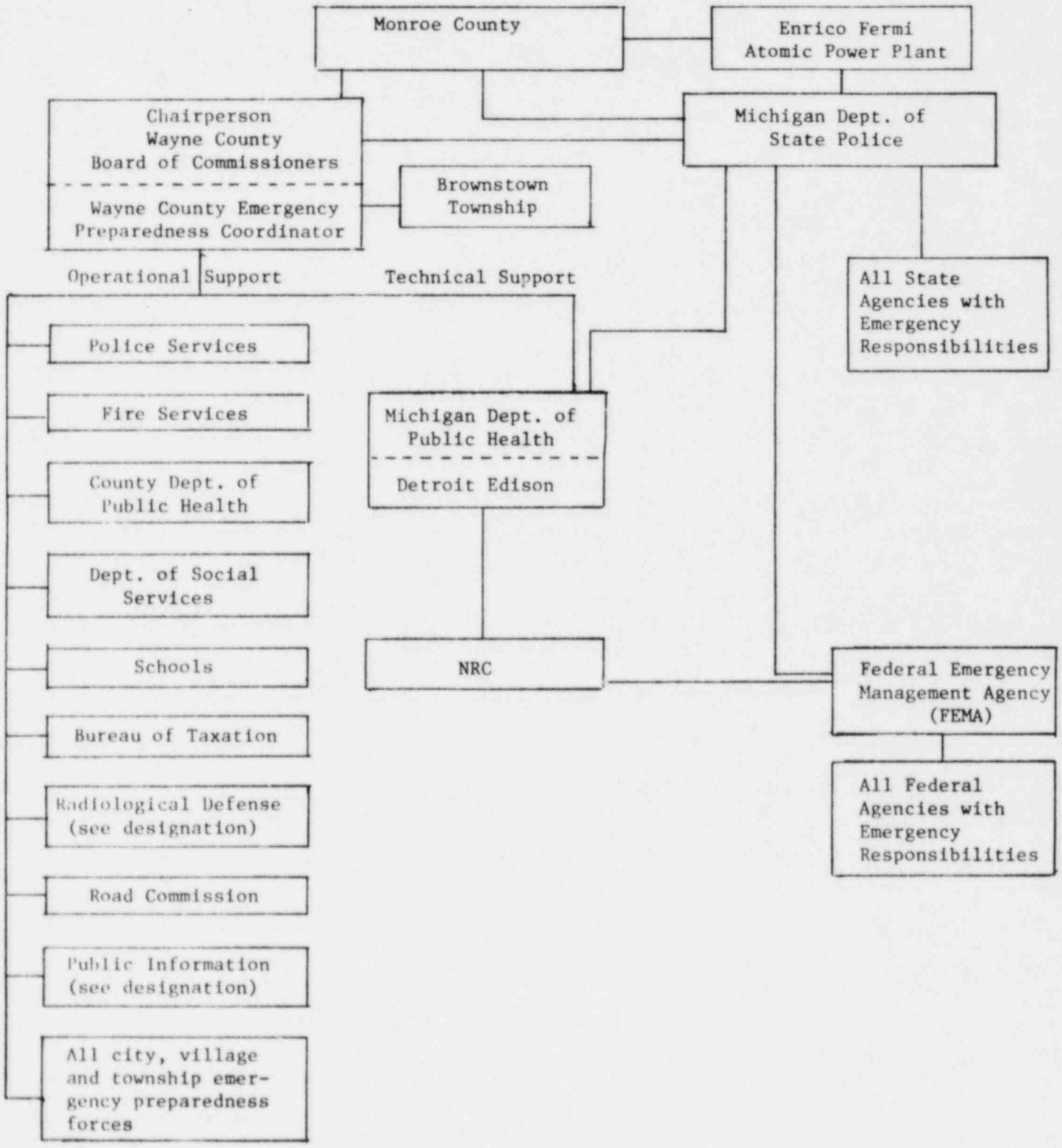
*Extracted from NUREG-0654/FEMA-REP-1, dtd October, 1980

LICENSEE ACTIONS*

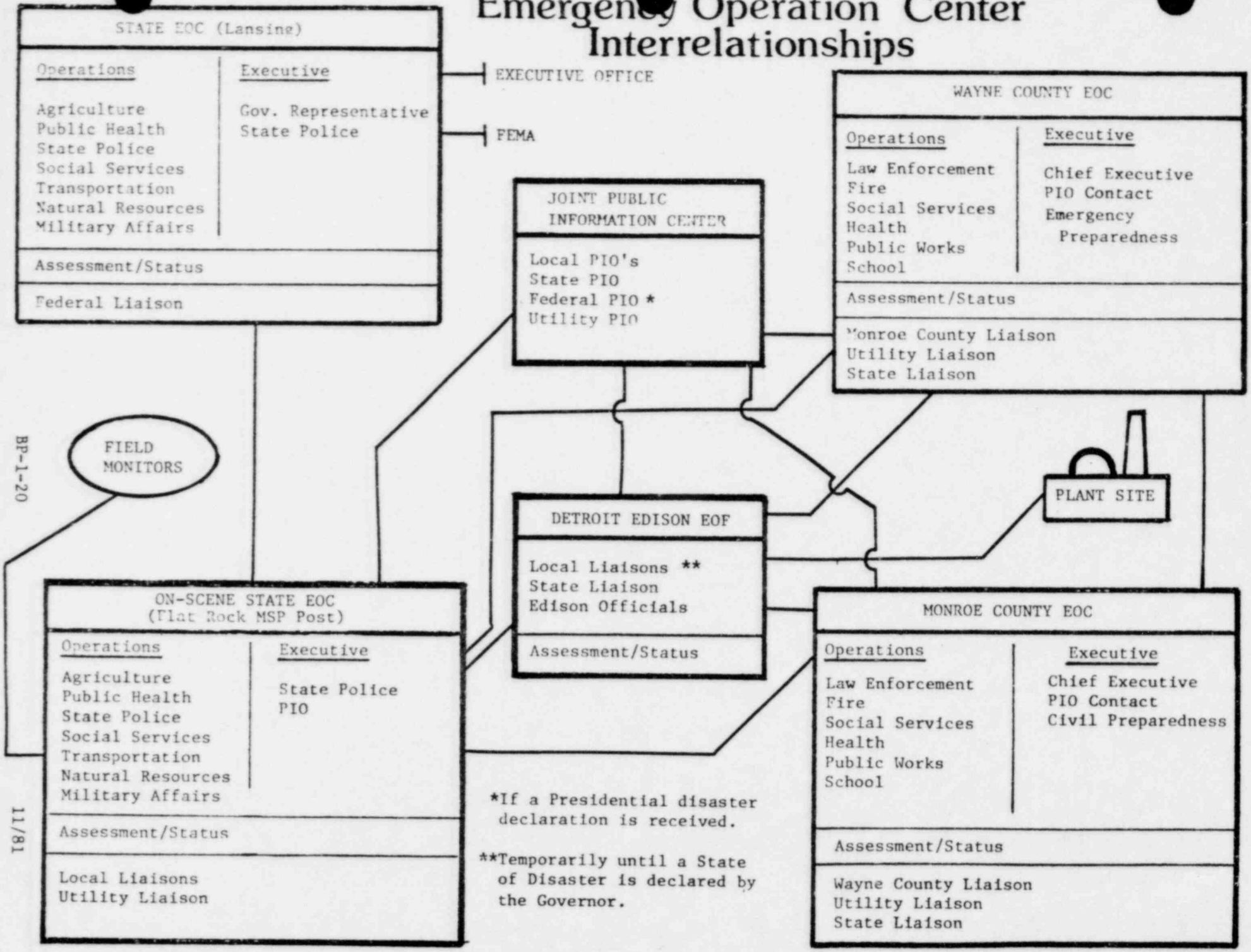
NOTIFICATION OF UNUSUAL EVENT	(1) Promptly inform state and/or local offsite authorities of nature of unusual condition as soon as discovered, (2) Augment on-shift resources, as needed, (3) Assess and respond, (4) Escalate to a more severe class, if appropriate, or close out with verbal summary within 24 hours.
ALERT	(1) Promptly inform state and/or local authorities of alert status and reason for alert as soon as discovered, (2) Augment resources and activate on-site technical support center and on-site operational support center. Bring Emergency Operations Facility (EOF) and other key emergency personnel to standby status, (3) Assess and respond, (4) Dispatch onsite monitoring teams and associated communications, (5) Provide periodic plant status updates to offsite authorities (at least every 15 minutes), (6) Provide periodic meteorological assessments to offsite authorities and, if any releases are occurring, dose estimates for actual releases, (7) Escalate to a more severe class, if appropriate, or (8) Close out or recommend reduction in emergency class by verbal summary to offsite authorities followed by written summary within 8 hours of closeout or class reduction.
SITE AREA EMERGENCY	(1) Promptly inform state and/or local offsite authorities of site emergency status and reason for emergency as soon as discovered, (2) Augment resources by activating onsite technical support center, onsite operational support center and near-site emergency operations facility (EOF), (3) Assess and respond, (4) Dispatch onsite and offsite monitoring teams and associated communications, (5) Dedicate an individual for plant status updates to offsite authorities and periodic press briefings (perhaps joint with offsite authorities), (6) Make senior technical and management staff onsite available for consultation with NRC and state on a periodic basis, (7) Provide meteorological and dose estimates to offsite authorities for actual releases via a dedicated individual or automated data transmission, (8) Provide release and dose projections based on available plant condition information and foreseeable contingencies, (9) Escalate to general emergency class, or (10) Close out or recommend reduction in emergency class by briefing of offsite authorities at EOF and by phone followed by written summary within 8 hours of closeout or class reduction.
GENERAL EMERGENCY	(1) Promptly inform state and local offsite authorities of general emergency status and reason for emergency as soon as discovered (Parallel notification of state/local) (2) Augment resources by activating onsite technical support center, onsite operational support center and nearsite emergency operations facility (EOF), (3) Assess and respond, (4) Dispatch onsite and offsite monitoring teams and associated communications, (5) Dedicate an individual for plant status updates to offsite authorities and periodic press briefings (perhaps joint with offsite authorities), (6) Make senior technical and management staff onsite available for consultation with NRC and state on a periodic basis, (7) Provide meteorological and dose estimates to offsite authorities for actual releases via a dedicated individual or automated data transmission, (8) Provide release and dose projections based on available plant condition information and foreseeable contingencies, (9) Close out or recommend reduction of emergency class by briefing of offsite authorities at EOF and by phone followed by written summary within 8 hours of closeout or class reduction.

*Extracted from NUREG-0654/FEMA-REP-1, dtd October, 1980

EMERGENCY RESPONSE INTERRELATIONSHIPS



Emergency Operation Center Interrelationships



*If a Presidential disaster declaration is received.

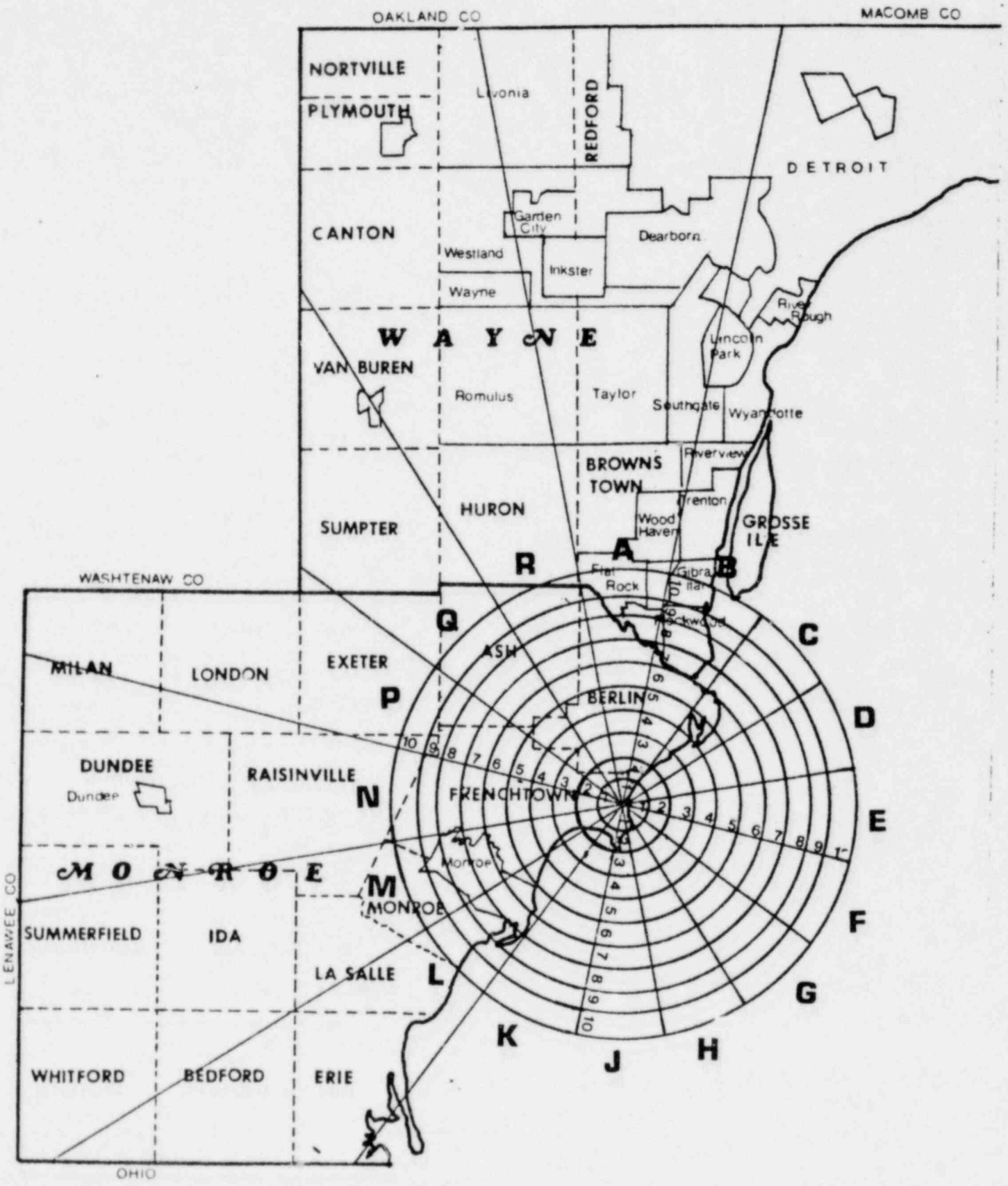
**Temporarily until a State of Disaster is declared by the Governor.

BP-1-20

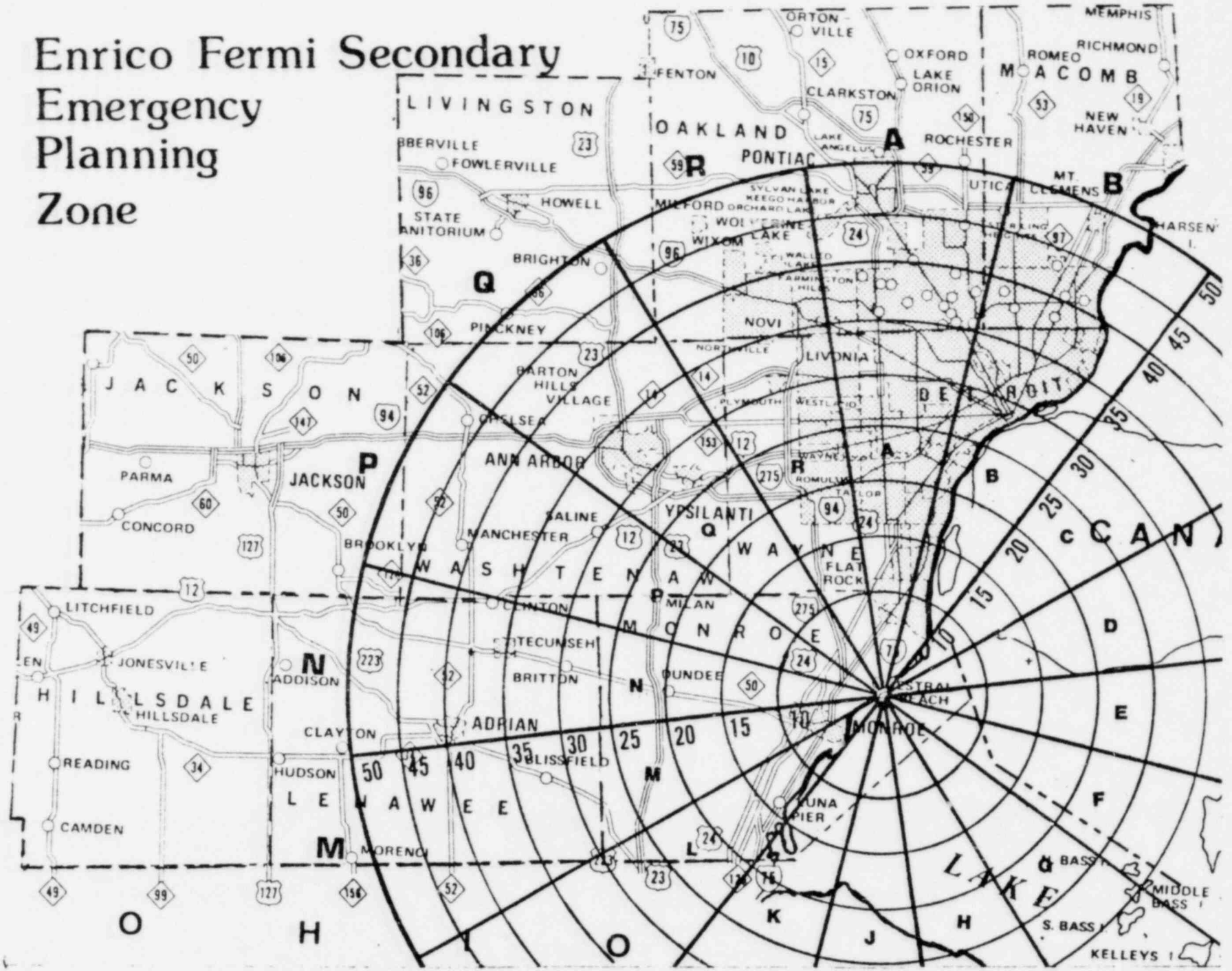
11/81

Attachment F to Appendix 1 (Nuclear Facility Procedures) to the Basic Plan

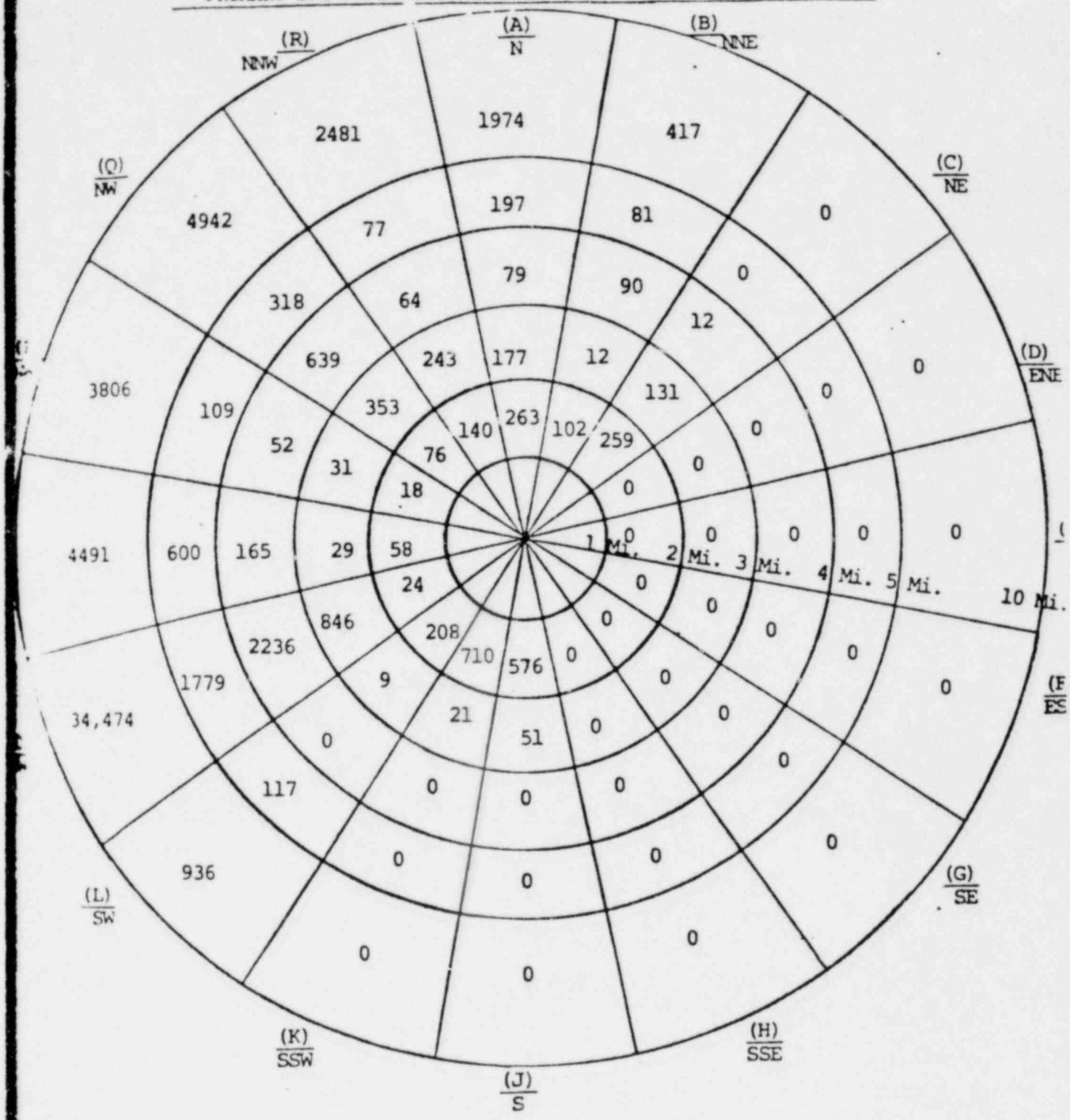
Enrico Fermi Primary Emergency Planning Zone



Enrico Fermi Secondary Emergency Planning Zone



PRIMARY EPZ POPULATION DISTRIBUTION BY SECTOR AND ZONE


(A) N
(B) NNE
(C) NE
(D) ENE
(E) ESE
(F) SE
(G) SE
(H) SSE
(J) S
(K) SSW
(L) SW
(M) WSW
(N) W
(P) WNW
(Q) NW
(R) NNW
1 Mi.
2 Mi.
3 Mi.
4 Mi.
5 Mi.
10 Mi.
1974
417
0
0
0

1980 POPULATION WITHIN ENRICO FERMI II EMERGENCY PLANNING ZONES

Primary EPZ

Monroe County

Ash Twp	7,678
Carleton Village	2,785
Berlin Twp.	6,475
Estral Beach Village	462
Exeter Twp.	3,242
South Rockwood Village	1,354
Frenchtown Twp.	18,158
Monroe City	23,527
Monroe Twp.	11,651
Raisinville Twp.	4,797
	80,129

Wayne County

Brownstown Twp.	17,647
Gibraltar City	4,446
Flat Rock City	6,872
Rockwood City	3,377
	32,342

Grand Total 112,471

Secondary EPZ

Lenawee County	89,986
Macomb County	694,462
Monroe County	134,448
Oakland County	1,007,266
Washtenaw County	257,907
Wayne County	2,330,733
	4,514,802

Several counties in Ohio are also part of this EPZ.

DISASTER DECLARATION REQUEST
(Nuclear Power Plant Emergency)

TO: Governor, State of Michigan

On _____ (see Note 1) the County of _____ experienced a serious threat to public safety as a result of a nuclear power plant emergency at _____ and the following conditions exists:

_____
(see Note 2).

As the Chairperson, Board of Commissioners, of _____ County, I declare a local State of Emergency exists therein, the Emergency Operations Plan for this jurisdiction has been implemented, and the applicable Disaster Relief Forces are being utilized to the fullest extent practicable.

Furthermore, in accordance with Act 390, P.A. 1976, Section 12, I deem this disaster to be beyond the control of this political subdivision and I respectfully request, for and on behalf of the citizens of this county, that the Governor declare a State of Disaster exists therein and that consideration be given, if conditions warrant, to petitioning the President of the United States for assistance provided by Public Law 93-288. In support of this request, we will submit specific estimates of damages and local disaster share data through official channels within three (3) day of this disaster.

Accordingly, be advised that _____ is appointed as the coordinator for the County of _____ to provide liaison and coordination with state and federal authorities on disaster relief matters in relation to this disaster and in accordance with Section 14 of the Act, he is directed to transmit this request to the appropriate State Police District Emergency Services Coordinator by the most expeditious means.

Authorized by: _____
Chairperson, Board of
Commissioners

INSTRUCTIONS

This format is to be used to make county emergency declarations and to request state or federal assistance pursuant to Act 390, P.A. 1976, and the Michigan Emergency Preparedness Plan.

The preferred method of this message to be transmitted to the _____ District Emergency Services Coordinator is via LEIN terminal by the _____ County Sheriff Department. The second best method is via Radio Communications, _____ County Sheriff Department. Telephone requests can be utlized as a third order alternative backed up as soon as possible by written message.

In accordance with Act 390, Section 12, the County Board of Commissioners should authorize the County Board Chairperson to act on their behalf and submit such requests in disaster situations since the Act states the governing body of counties are to make such requests.

Note 1 - enter the date the disaster occurred.

Note 2 - describe briefly and in general terms actual conditions and the area(s) affected.

SUPPORTING PLANS AND DOCUMENTS

Michigan Emergency Preparedness Plan - Department of State Police, Emergency Services Division (and all state agencies)

Enrico Fermi Radiological Emergency Response Plan - Detroit Edison Company

Estimate of Evacuation Times study for Enrico Fermi area (October 1980, PRC Voorhees) Detroit Edison Company

Monroe County Sheriff's Department Standard Operating Procedures (due to coordination required)

Emergency Operating Center Standard Operating Procedures -Wayne County Office of Emergency Preparedness

Wayne County Resource Manual - Wayne County Office of Emergency Preparedness

Wayne County Road Commission Standard Operating Procedures

Monroe County Emergency Operations Plan, Monroe County Office of Civil Preparedness

State of Ohio Nuclear Power Plant Emergency Response Plan, Adjutant General's Department, Disaster Services Agency

Brownstown Township Emergency Operations Plan - Brownstown Township Emergency Services Coordinator

Wayne County Down River Police Mutual Aid Task Force Operations Plan

Wayne County Down River Mutual Aid Task Force Equipment Inventory (police & fire)

Flat Rock Police Department Standard Operating Procedures for notification and warning

In addition, each department maintains an internal procedural manual containing personnel lists, duties, resources, etc.

PLANS REVISION CONTROL SHEET

According to my records you have _____ copy(ies) of the Wayne County Emergency Operations Plan. Enclosed are revised pages or additions to the plan. Please insert these pages in the proper place in the plan and dispose of the page(s) they are replacing, if any. Sign this letter and return it to me within two weeks to acknowledge receipt.

If you have any questions, please contact me any time. Thank you for your cooperation.

Sincerely,

Wayne County Emergency
Preparedness Coordinator

I have received the above mentioned documents, inserted them in the plan, and destroyed all previous issues.

_____
Signature

_____
Date

(please print)

NAME _____

APPENDIX 1, NUCLEAR FACILITY PROCEDURES,

TO THE DIRECTION AND CONTROL ANNEX

_____
Mitchell Kozak,
Wayne County Emergency
Preparedness Coordinator

_____
Date

I. PURPOSES

A. To support the Direction and Control Annex to the Wayne County Emergency Operations Plan.

B. To establish procedures to provide for the health, safety, and welfare of the citizens of Wayne County in the event of a nuclear facility incident at Enrico Fermi Atomic Power Plant, Unit 2.

C. To establish procedures for operating out of an emergency operating center in the event of a nuclear incident.

D. To establish the tasks the Emergency Preparedness Coordinator is responsible for implementing the event of a nuclear incident.

II. CONCEPT OF OPERATIONS

A. When a nuclear incident occurs at the Enrico Fermi Atomic Power Plant the Emergency Preparedness Coordinator of Wayne County will be notified according to the procedures established in Attachment A. He will then follow these same procedures in ensuring notification and activation of his Emergency Operating Center Staff.

B. In the event, the Chairman of the Wayne County Board of Commissioners declares a state of emergency, thereby activating the Emergency Operations Plan, the Emergency Preparedness Coordinator will take his place in the Wayne County On-Scene Emergency Operating Center as the Chief of Staff to the Chairman.

C. The Emergency Operating Center for a nuclear facility incident will be located at the Flat Rock Municipal Building, 25500 Gibraltar Rd., Flat Rock. It will be referred to as the Wayne County On-Scene EOC, to distinguish it from the County EOC located at the County Complex in Westland, which will not be activated for this type of incident.

D. The Emergency Preparedness Coordinator is responsible for providing the services listed in Section IV of this Appendix. From the EOC, he will coordinate the implementation of these tasks. He will gather the most accurate and current information available on the incident to assist him in advising the Chairman on the direction of the emergency response. The Deputy Emergency Preparedness Coordinators from Flat Rock, Gibraltar, and Rockwood will assist him in coordinating the response in their own jurisdictions.

E. The Director, Office of Program Development has been designated as the alternate Emergency Preparedness Coordinator for Wayne County in the event of a nuclear incident so that 24-hour operational response can be maintained.

III. ORGANIZATION

A. The Chairman of the Wayne County Board of Commissioners has the responsibility to direct the disaster relief forces of the County in time of emergency. The Emergency Preparedness Coordinator will act as Chief of Staff for the Chairman in carrying out the tasks and responsibilities established in Appendix 1, and in maintaining the continuity of resources (technical, administrative and material).

B. The Emergency Preparedness Coordinator will coordinate the disaster relief forces in Wayne County. The communities included in the Wayne County Emergency Preparedness jurisdiction are found in the Basic Plan. The Enrico Fermi Primary Emergency Planning Zone emcompasses the communities of Flat Rock, Rockwood, Gibraltar, and Brownstown Township. These communities will actively assist the Emergency Preparedness Coordinator in coordinating the emergency response. The township of Brownstown has its own emergency preparedness jurisdiction, and is therefore, not part of the County organization.

C. Each of these communities will direct their resources according to day-to-day procedure. However, the Chairman of the Board will coordinate the relief effort from the County On-Scene EOC so that a coordinated response takes place among the communities involved.

D. In the event the Governor declares a State of Disaster, all resources within Wayne County will become part of the statewide disaster relief effort, directed by the Governor, according to Act 390.

IV. TASKS AND EXECUTION

A. Upon notification of a nuclear power plant incident, through the dispatch, the following actions will be taken by the Emergency Preparedness Coordinator as appropriate:

1. Notify the Chairman of the Wayne County Board of Commissioners. Advise him on the necessity of declaring a State of Emergency.

2. Activate the Wayne County On-Scene EOC following the established procedures.

3. Ensure that the EOC staff has been notified. Follow the Notification, Alert, and Mobilization Procedures found in Attachment A.

4. Gather all pertinent information related to the incident. Brief EOC staff members as necessary.

5. Ensure that EOC staff members have communication with their disaster relief forces. Ensure that direct communications exist between the EOC and the State EOC in Lansing, the Monroe County EOC, and the operator's EOF initially. When the On-Scene State EOC is operational, ensure that all communication with operational centers is routed through this center. Keep officials informed of actions taken.

6. Follow protective action guides from the plant initially. When communication with the state is established, follow state directions and recommendations. Implement the protective actions necessary (either in place sheltering or evacuation).

7. Define the area by identifiable boundaries where protective action is necessary. Distribute this information to the EOC staff and state officials.

8. Ensure that dosimeters are distributed to emergency workers working in an area where exposure may occur.

9. Establish decontamination/reception centers as necessary. Ensure they are staffed with appropriate personnel from the Radiological Defense Organization, the Wayne County Health Department, the Department of Social Services, and the Fire Departments.

10. Ensure that each EOC staff member is implementing the tasks assigned to his functional area in his Appendix 1.

11. Inform the Chairman of the Board of the situation. Act as a liaison between the Chairman and higher levels of government.

12. Ensure that accurate, complete, and authentic information is getting to the public. Ensure that the public information contact is gathering information from EOC staff members and sending it to the Wayne County Public Information Officer in the Joint Public Information Center (JPIC). Ensure that news releases are authorized by the Chairman and coordinated with other members of the Joint Public Information Team at the JPIC.

13. The Emergency Preparedness Coordinator will coordinate all response activities from the EOC to ensure that a coordinated effort takes place. This will include coordinating mutual aid requests with the appropriate departments to ensure they are acted upon. All requests for outside assistance will be coordinated by him.

14. The Emergency Operating Center will be capable of operating on a 24-hour basis. Primary and alternate EOC staff membership is shown in Attachment B.

V. ADDENDA

A. Notification, Alert, and Mobilization Procedures

B. EOC Staff List

NOTIFICATION, ALERT, AND MOBILIZATION PROCEDURES

The Flat Rock Police Department (as the Wayne County warning entry point) shall be notified via police radio or LEIN from the Monroe City/County Joint Communications Center when an incident occurs at the Enrico Fermi Atomic Power Plant that may be classified under one of the four emergency action level classes. The following notification, alert, and mobilization actions will be taken by the Wayne County Emergency Preparedness Coordinator under each class. (Refer to the Warning Appendix for the entire fan out procedure.)

UNUSUAL EVENT

The warning entry point will notify:

1. The Wayne County Emergency Preparedness Coordinator.
2. The Police Departments of Gibraltar and Rockwood.
3. The Fire Department of Brownstown Township.

The Wayne County Emergency Preparedness Coordinator will notify:

1. The Chairman of the Wayne County Board of Commissioners.
2. The Michigan State Police Emergency Services Field Coordinator (as a secondary source of notification).
3. The Wayne County Public Information Officer.

The Deputy Emergency Preparedness Coordinators from Gibraltar, Flat Rock, and Rockwood will notify the Mayor of their community.

No further action will be taken.

ALERT

The warning entry point will notify:

1. The Wayne County Emergency Preparedness Coordinator.
2. The Police Departments of Gibraltar and Rockwood.
3. The Fire Department of Brownstown Township.
4. The Emergency Operating Center Staff. They will be told to report for duty. (Refer to the Warning Appendix for more specific procedures on notification.)

The Wayne County Emergency Preparedness Coordinator will notify:

1. The Chairman of Wayne County Board of Commissioners.

2. The Michigan State Police Emergency Services Field Coordinator (as a secondary source of notification).

3. The Wayne County Public Information Officer.

The Deputy Emergency Preparedness Coordinators of Rockwood, Flat Rock, and Gibraltar will notify:

1. Their mayors.

2. Key department heads. (Refer to each community's internal operating procedures for telephone numbers.)

The Wayne County On-Scene Emergency Operating Center will be activated. All staff will report for duty. It is estimated that the EOC can be activated in one hour upon notification of personnel. The EOC staff will be instructed to place their alternates on stand by.

The Deputy Emergency Preparedness Coordinators will ask that department heads be available on a stand by basis. They will maintain liaison with their Mayors from the Wayne County On-Scene EOC.

SITE AREA EMERGENCY

Refer to the Alert class above.

In addition, operational staff may be ordered mobilized as necessary.

GENERAL EMERGENCY

Refer to the Site Area Emergency class above.

EOC STAFF LIST FOR A NUCLEAR POWER PLANT INCIDENT
(for 24-hour operation)

EOC POSITION	NORMAL POSITION	BACK-UP POSITION
Executive Group		
Chief Executive	Chairman, Board of Commissioners	Vice-Chairman
Chief of Staff	Emergency Preparedness Coordinator	Director, Office of Program Development
Public Information Officer	Wayne Co. Public Information Coordinator	Asst. Public Info. Coordinator
Dep. E.P., Gibraltar	Director, Public Safety Dept.	Director, Public Works
Dep. E.P., Rockwood	Police Chief	Capt. Fire Dept.
Dep. E.P., Flat Rock	Police Chief designee	City Clerk
Damage Assessment Group		
Damage Assessment Chief	Director, Bureau of Taxation	Supervisor of Appraisers
Plotter	Asst. Supervisor of Land Div. (B of T)	Appraiser (B of T)
Radiological Defense Officer	Admin. Asst., Intergov't Affairs	Position appointed by Board
Operations Group		
Law Enforcement Operations Officer	Chairman, Downriver - Mutual Aid-Police	Vice-Chairman, Police Mutual Aid
Fire Operations Officer	Chairman, Downriver Mutual Aid-Fire	Secretary/Treasurer DRMA
Social Services Operations Officer	Director, Dept. of Social Serv.	Zone thru Assistant
Road Commission Operations Officer	Managing Director	Asst. Engineer of Maintenance
Health Operations Officer	Director, Health Department	Asst. Dir. Health Dept.
School Operations Officer	Superintendent, Intermediate Schools	Asso. Superintendent, Intermediate Schools

EOC STAFF LIST FOR A NUCLEAR POWER PLANT INCIDENT
(for 24-hour operation)

EOC POSITION	NORMAL POSITION	BACK-UP POSITION
Resource Group		
Communications Officer	Dispatcher	Dispatcher
Controller	Police Auxiliary	Dispatcher
Log Recorder	Police Auxiliary	Dispatcher
Messengers (3)	Police Auxiliary	Flat Rock Police
Security	Flat Rock Police	Flat Rock Police
Liaison Group		
Detroit Edison Liaison*	Refer to Site Plan	
Monroe County Liaison	Refer to Monroe Plan	
State Liaison	MSP Field Coordinator	MSP Field Coordinator
Extended EOC Staff		
Wayne County Liaison in Monroe	Commissioner, Dist.	Commissioner, Dist.
Wayne County Liaison in EOF*	Commissioner, Dist.	Commissioner, Dist.
Wayne County Liaison in On-Scene State EOC	Commissioner, Dist.	Commissioner, Dist.

*Temporarily in this location until the On-Scene State Emergency Operating Center is activated.

APPENDIX 1, NUCLEAR FACILITY PROCEDURES,

TO THE WARNING ANNEX

Mitchell Kozak,
Wayne County Emergency
Preparedness Coordinator

Raymond Hoffman, Chairman
Downriver Police Mutual
Aid (Wayne County Warning
Officer for nuclear
facility emergencies)

Date

I. PURPOSES

A. To support the Warning Annex to the Wayne County Emergency Operations Plan.

B. To establish procedures to warn the population in the communities that fall within the 10 mile Primary Emergency Planning Zone, in Wayne County, in the event of a nuclear facility incident at the Enrico Fermi Atomic Power Plant, Unit 2.

C. To establish notification procedures for notifying and alerting Emergency Operating Center staff members and other communities and organizations within Wayne County that could be affected by a nuclear incident.

II. CONCEPT OF OPERATIONS

A. When a nuclear incident occurs at the Enrico Fermi plant, the Monroe City/County Joint Communications Center will immediately notify the Flat Rock Police Department according to the procedures established in Attachment A. The Flat Rock Police Department is the Warning entry point for Wayne County. The Police Chief of this department is the Warning Officer for a nuclear facility incident. The Warning Officer will then follow the procedures in Attachment A in notifying the Wayne County Emergency Operating Center staff, other communities and organizations, and warning the general public.

B. Upon notification, the Warning Officer will immediately notify the Wayne County Emergency Preparedness Coordinator, the Police Departments of Gibraltar and Rockwood, and the Fire Department of Brownstown Township. These departments, all 24 hour response organizations, will then continue the notification process in their communities and activate the warning system as necessary according to Attachment A.

C. The Warning Officer will maintain close contact with the Monroe County warning entry point, and the Wayne County Emergency Preparedness Coordinator. He will obtain the most current and accurate information on the incident and disseminate it to the EOC staff. He will continue the notification to other communities and organizations and the public as appropriate. Refer to Attachment C for information to be provided by the plant. Both the Monroe City/County Joint Communications Center and the Flat Rock Police Department are 24-hour response organizations.

D. The public notification system will be activated by the Monroe City/County Joint Communications Center. This will be done based on the initial recommendations of the plant or upon recommendation from the State of Michigan. Upon notification from the Monroe Communications Center that the notification system is to be activated, the Wayne County Warning Officer will take action to implement mobile warning in Wayne County in the areas not covered by the siren system, as recommended.

E. Upon notification that public protective actions are necessary and that the warning system must be activated, the Monroe City/ County Communications Center will begin activation of the Emergency Broadcast System and other public information devices. The Emergency Broadcast System will provide instructions to the populace to complement the public notification system. The initial and follow-up messages received from the licensee will be disseminated to the public in this manner. Once the On-Scene State EOC is activated this function will be coordinated through the State.

F. The Warning Officer will communicate with the Public Information Officer to ensure that public protective information is released from the Joint Public Information Center (JPIC). All news releases will be approved by the Chairman of the Board of Commissioners prior to release.

III. ORGANIZATION

A. The Chairman of the Wayne County Board of Commissioners has the responsibility to direct the disaster relief forces of the County in time of emergency. The Warning Officer will support the Chairman in carrying out the responsibilities established in this Appendix.

B. The Warning Officer will coordinate the disaster relief forces involved in public warning and notification. The agencies that will primarily provide these services include the police, and possibly the fire departments of Rockwood, Flat Rock, and Gibraltar. The Downriver Police Mutual Aid may be mobilized to provide support as necessary.

C. Each of these communities will direct their resources according to day-to-day procedure. However, the Warning Officer will coordinate the warning effort so that a coordinated response takes place.

D. Once the Governor declares a State of Disaster under Act 390, all disaster relief forces will become part of the statewide disaster relief effort.

IV. TASKS AND EXECUTION

A. Upon notification of an incident at the Enrico Fermi Atomic Power Plant, the Warning Officer will take the following actions as necessary:

1. Notify the appropriate parties as established in Attachment A.

2. Based on the advice received from the plant (through Monroe County), and later on direction from the state, implement warning procedures. Ensure liaison is maintained with the Wayne County Emergency Preparedness Coordinator and the Chairman. Coordinate with Monroe County.

3. Ensure dosimeters are distributed to law enforcement and fire officers that will be performing warning functions in an area where they could be radiologically exposed. Refer to the Radiological Defense Appendix for more detail.

4. Coordinate the warning of persons with special situations, such as the elderly, handicappers, etc., with the Police Departments in the affected areas and the County Health and Social Services Departments. See Attachment G.

5. Ensure transient persons at recreational and work areas are warned. Refer to Attachment G for a list of these locations.

V. ADDENDA

A. Notification, Alert, and Mobilization Procedures

B. Maintenance of Emergency Preparedness Capability

C. Notification Sequence

D. Information Required from the Plant

E. Primary EOC Staff Telephone Numbers

F. Back-up EOC Staff Telephone Numbers

G. Siren Coverage Map

H. Siren and other Warning Device Inventory

I. Mobile Notification Procedures

NOTIFICATION, ALERT, AND MOBILIZATION PROCEDURES

The Monroe City/County Joint Communications Center will receive notification directly from the Enrico Fermi plant upon the occurrence of an incident that may be classified as one of the four emergency action level classes. The Monroe City/County Joint Communications Center will immediately notify the Flat Rock Police Chief (as the Warning Officer). The Warning Officer will take the following actions dealing with warning and notification. A simple call-back procedure by radio will serve as means of verification. (For other law enforcement related functions refer to the Law Enforcement Annex.):

UNUSUAL EVENT

The Warning Officer will notify:

1. The Wayne County Emergency Preparedness Coordinator.
2. The Police Departments of Rockwood and Gibraltar.
3. The Fire Department in Brownstown Township.
4. The Police Departments in Rockwood, Flat Rock, and Gibraltar will notify their Deputy Emergency Preparedness Coordinators. These Coordinators will notify the mayors of their communities.

ALERT

The Warning Officer will notify:

1. The Wayne County Emergency Preparedness Coordinator.
2. The Police Departments of Rockwood and Gibraltar.
3. The Fire Department in Brownstown Township.
4. The Wayne County Emergency Operating Center staff. Refer to Attachments E and F for the EOC call list. They will be told to report to the Wayne County On-Scene EOC (Flat Rock Municipal Building).
5. The Police Departments in Flat Rock, Rockwood, and Gibraltar will notify their Deputy Emergency Preparedness Coordinators who will notify their mayors and key department heads to stand by for possible response actions. These Coordinators will report to the EOC.

SITE AREA EMERGENCY

The Warning Officer will notify:

1. The Wayne County Emergency Preparedness Coordinator.
2. The Police Departments of Rockwood and Gibraltar.
3. The Fire Department in Brownstown Township.
4. The Wayne County Emergency Operating Center staff. Refer to Attachments E and F for the EOC call list. They will be told to report to the Wayne County On-Scene EOC for activation of the EOC.
5. The Police Departments in Flat Rock, Rockwood, and Gibraltar will notify their Deputy Emergency Preparedness Coordinators who will notify their mayors and key department heads to stand by for possible response actions. Personnel will be mobilized as necessary.
6. The Deputy Coordinators will report to the Wayne County On-Scene EOC.

GENERAL EMERGENCY

The Warning Officer will notify:

1. The Wayne County Emergency Preparedness Coordinator.
2. The Police Departments of Flat Rock, Rockwood, and Gibraltar.
3. The Fire Department in Brownstown Township.
4. The Wayne County Emergency Operating Center staff. Refer to Attachments E and F for the EOC call list. They will be told to report to the Wayne County On-Scene EOC for activation of the EOC.
5. The Police Departments in Flat Rock, Rockwood, and Gibraltar will notify their Deputy Emergency Preparedness Coordinators who will notify their mayors and key department heads. Department heads will report to their offices to receive instructions for possible response actions.
6. The Deputy Coordinators will report to the Wayne County On-Scene EOC.

MAINTENANCE OF EMERGENCY PREPAREDNESS CAPABILITY

Training

An annual training seminar will be conducted to familiarize law enforcement and fire personnel possibly involved in warning functions (including mutual aid departments) with emergency operational aspects regarding a nuclear power plant incident.

The annual training mission will include education on radiation, dosimetry and exposure control, types of incidents that could occur at the plant, protective action requirements, general state, local, federal, and plant responses, and specific departmental responsibilities and procedures. The Wayne County Emergency Operations Plan will be explained, and its use discussed.

This annual training seminar will serve as the periodic retraining required of warning personnel since law enforcement personnel and other warning support groups will be included.

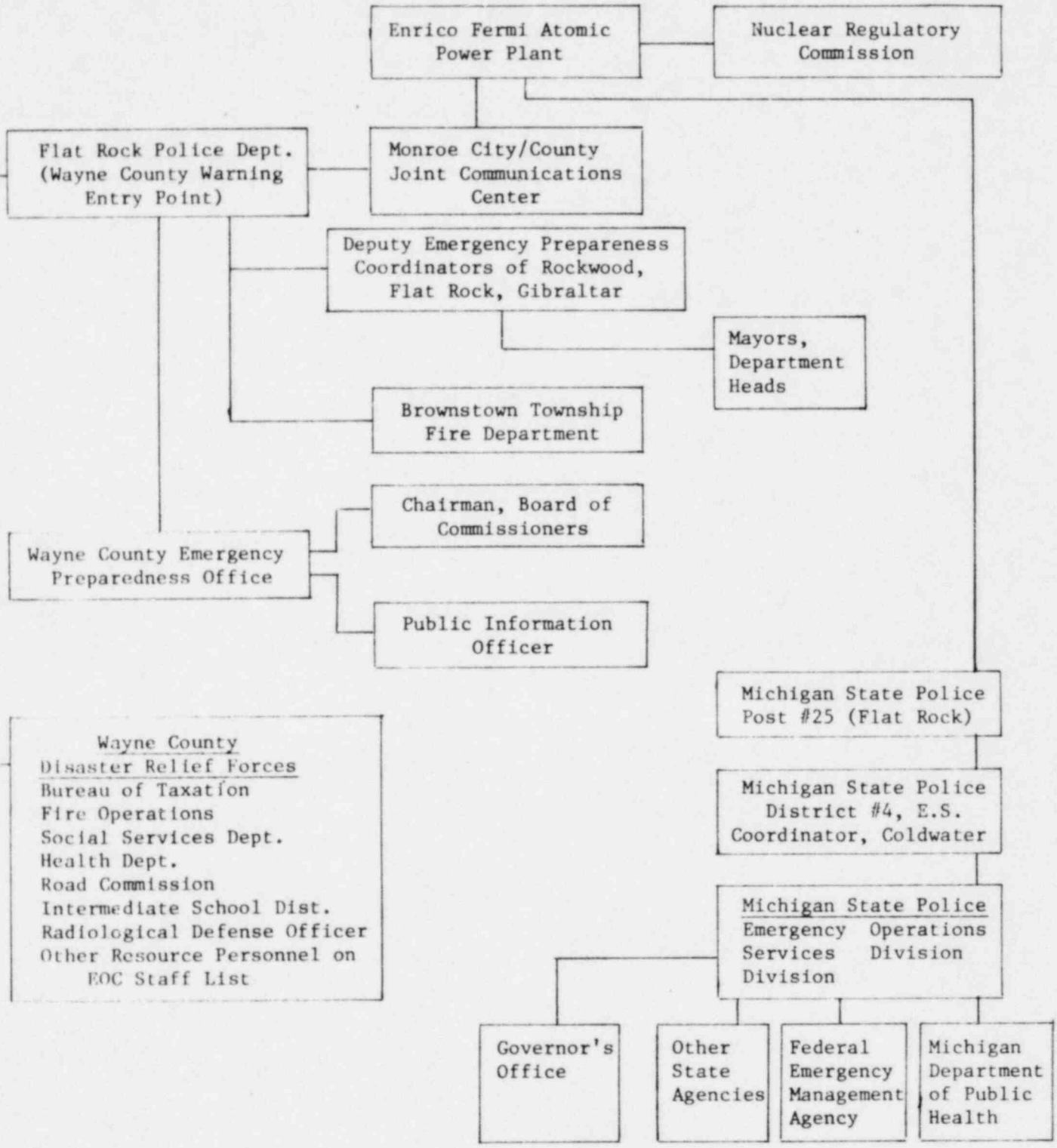
Drills and Exercises

A small-scale exercise will be held annually for the emergency preparedness jurisdictions within the Enrico Fermi ten mile Primary Emergency Planning Zone. Law enforcement personnel may participate in this exercise, as necessary. Following the exercise, an opportunity will be made available for questions, comments and discussion. The Warning Officer will take these comments and the results of the exercise under consideration in complying with his responsibility in maintaining and updating the Warning Appendix to the Wayne County Emergency Operations Plan (EOP).

A major exercise will be held in the Primary Emergency Planning Zone for Enrico Fermi when required. Law enforcement and other warning personnel will participate in this exercise.

Every year, or in conjuction with an exercise of the facility, a test will be made of a statistical sample of the residents of all areas within about ten miles to assess the public's ability to hear the alerting signal and their awareness of the meaning of the prompt notification message. This will be held in conjunction with the utility and the Federal Emergency Management Agency.

WAYNE COUNTY
NOTIFICATION SEQUENCE



INFORMATION REQUIRED FROM THE PLANT

Upon the occurrence of an incident, the following information will be provided by the plant as it becomes available:

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

b. Date/time of incident.

c. Class of emergency.

d. Type of actual or projected release (airborne, waterborne, surface spill), and estimated duration/impact times.

e. Estimate of quantity of radioactive material released or being released, and the height of release.

f. Chemical and physical form of released material, including estimates of the relative quantities, and concentration of noble gases, iodines, and particulates.

g. Prevailing weather (wind velocity, direction, temperature, atmospheric stability data; form of precipitation, if any).

h. Actual or projected dose rates at site boundary; projected integrated dose at site boundary.

i. Projected dose rates and integrated dose at about 2, 5, and 10 miles, including sector(s) affected.

j. Estimate of any surface radioactive contamination.

k. Emergency response actions underway.

l. Recommended emergency actions, including protective measures.

m. Request for any needed on-site support by off-site organizations.

n. Prognosis for worsening or termination of event based on plant information.

PRIMARY EOC STAFF TELEPHONE NUMBERS*

EOC POSITION	NAME	OFFICE
Chief Executive	Samuel E. Turner	
Emergency Preparedness Coordinator	Mitchell Kozak	
Deputy E.P., Coordinator, Gibraltar	Jan Meyer	
Deputy E.P., Coordinator, Flat Rock	Raymond Hoffman	
Deputy E.P., Coordinator, Rockwood	Gerald Norrix	
Public Information Officer	Leito Durley	
Damage Assessment Chief	George McEachran	
Radiological Defense Officer	Leland Onkka	
Law Enforcement Operations Officer	Raymond Hoffman	
Fire Operations Officer	Donald Herrmann	
Social Services Operations Officer	Robert Little	
Public Works Operations Officer	Gerald Dresselhouse	
Health Operations Officer		
School Support Operations Officer	Clare Ebersole	
Controller		
Messenger (1)		
Messenger (2)		
Messenger (3)		
Log Recorder		
State Liaison	To be designated by State	
Detroit Edison	To be designated by Operator	
Monroe County Liaison	To be designated by Monroe	
County Liaison to State On-Scene EOC	Commissioner	
County Liaison to Monroe County	Commissioner	
County Liaison to Plant's EOF	Commissioner	

*Note: Back-up EOC staff telephone numbers in Attachment F. Home telephone numbers and other means of notification are available at the Flat Rock Police Department.

BACK-UP EOC STAFF TELEPHONE NUMBERS*

EOC POSITION	NAME	OFFICE
Chief Executive	Clemens Bykowsky	
Emergency Services Coordinator	James Curran	
Deputy E.P., Coordinator, Gibraltar	Authur Redman	
Deputy E.P., Coordinator, Flat Rock	Norman Koszuta	
Deputy E.P., Coordinator, Rockwood		
Public Information Officer	Harry Stearns	
Damage Assessment Chief	Julian Komarynski	
Radiological Defense Officer	Pat Davis	
Law Enforcement Operations Officer		
Fire Operations Officer	Harry Miller	
Social Services Operations Officer	Henry Jarroz	
Public Works Operations Officer	Robert Mahoney	
Health Operations Officer	John Stock	
School Support Operations Officer	Charles Greig	
Controller		
Messenger (1)		
Messenger (2)		
Messenger (3)		
Log Recorder		
State Liaison	To be designated by State	
Detroit Edison	To be designated by Operator	
Monroe County Liaison	To be designated by Monroe	
County Liaison to State On-Scene EOC	Commissioner	
County Liaison to Monroe County	Commissioner	
County Liaison to Plant's EOF	Commissioner	

*Note: Primary EOC staff telephone numbers are located in Attachment E. These people should be called first. If they cannot be reached, this back-up list should be used. Home telephone numbers and other means of notification are available at the Flat Rock Police Department.

SIREN COVERAGE MAP

The Detroit Edison Company is in the process of developing a prompt notification and warning system for the Primary Emergency Planning Zone. This information will be included here as it becomes available.

SIREN AND OTHER WARNING DEVICE INVENTORY

The Detroit Edison Company is in the process of developing a prompt notification and warning system for the Primary Emergency Planning Zone. This information will be included here as it becomes available.

MOBILE NOTIFICATION PROCEDURES

The Detroit Edison Company is in the process of developing a prompt notification and warning system for the Primary Emergency Planning Zone. This information will be included here as it becomes available.

APPENDIX 1, NUCLEAR FACILITY PROCEDURES,

TO THE COMMUNICATIONS ANNEX

Mitchell Kozak,
Wayne County Emergency
Preparedness Coordinator

Raymond Hoffman, Chairman
Downriver Police Mutual
Aid (Wayne County Com-
munications Officer for
nuclear facility emer-
gencies)

Date

I. PURPOSES

A. To support the Communications Annex to the Wayne County Emergency Operations Plan.

B. To establish procedures to provide communications at the Wayne County On-Scene EOC and to contiguous governments and disaster relief forces in the event of a nuclear facility incident at the Enrico Fermi Atomic Power Plant, Unit 2.

C. To establish procedures to maintain communications emergency preparedness capability through drills and exercises at regular intervals.

II. CONCEPT OF OPERATIONS

A. When a nuclear incident occurs at the Enrico Fermi Atomic Power Plant, the Chief of the Flat Rock Police Department will be notified according to the procedures established in Attachment A. The Police Chief will assume the position of Communications Officer for a nuclear facility emergency.

B. In the event the Chairman of the Wayne County Board of Commissioners declares a state of emergency, thereby activating the Emergency Operations Plan, the Communications Officer will proceed with the tasks he is responsible for providing items listed in Section IV of this appendix. From the EOC he will coordinate the implementation of these tasks.

C. The established line of succession within the Police Department will be used to provide alternate communications personnel at the Wayne County On-Scene EOC (Flat Rock Municipal Building) so that 24-hour operations can be maintained.

III. ORGANIZATION

A. The Chairman of the Wayne County Board of Commissioners has the responsibility to direct the disaster relief forces of the county in time of emergency. The Communications Officer will support the Chairman in carrying out the responsibilities in this appendix.

B. The Communications Officer will coordinate the disaster relief forces dealing with communications. These forces include communications personnel from Flat Rock, Gibraltar, and Rockwood as well as personnel from other communities included in the Wayne County emergency preparedness jurisdiction. The Communications Officer will assure that each EOC staff member can communicate with his department. He will coordinate departmental communications personnel as necessary.

C. Once the Governor has declared a State of Disaster according to Act 390, communications personnel will become part of the overall disaster relief effort.

IV. TASKS AND EXECUTION

A. Upon notification of a nuclear power plant incident at Enrico Fermi, the following actions will be taken by the Communications Officer (also refer to the Law Enforcement and Warning Appendices for law enforcement responsibilities):

1. Enlist the cooperation of all communications personnel in establishing communications in the EOC.

2. Place alternate communications personnel on stand by.

3. Establish communications with the Monroe County EOC, the State EOC in Lansing, the Brownstown Twp. EOC and the operator's EOF, initially. Once the On-Scene State EOC is activated, establish communications with this center. All communications with other emergency operating centers will be routed through the On-Scene State EOC once established. The Wayne County On-Scene EOC will continue to be the contact point for Brownstown Township.

   The communications link with the On-Scene State EOC will be the dispatcher at the Michigan State Police Post in Flat Rock. The telephone number is Communications will be by MEPSS frequency between the Flat Rock Police Department (location of the Wayne County On-Scene EOC), and the On-Scene State EOC (through the command trailer). The Law Enforcement Information Network (LEIN) will also be used as well as the normal operating police frequencies.

   The communications link with the operator's EOF will be the Wayne County Liaison present in the facility. It will be by telephone line or MSP frequency available at the EOF.

   The communications link with the Monroe County EOC will be the dispatch operator at the Joint Communications Center. The telephone number is The radio frequency that will be used is the inter city point to point. The LEIN may also be used.

   The communications link with the State EOC will be the communications clerk of the Emergency Services Division where the EOC is located. The telephone number is An alternate means of communication is available through the LEIN.

   Refer to Attachment C for a list of the communications resources available.

4. Ensure communications exist with adjacent counties, communities in Wayne County and departments having emergency responsibilities. The Communications Officer will provide communciations between all operational heads in the EOC and their forces in the field.

5. Secure message forms, recording logs and other supplies necessary for operation. These are kept with the Emergency Preparedness Coordinator.

6. As communications center personnel arrive, such as messengers, ensure they are familiar with their duties. Coordinate this action with the Emergency Preparedness Coordinator.

7. Contact HAM-CB groups and county members of the Civil Air Patrol for alternate means of communications. Place them on stand by or make assignments as appropriate.

8. Mobilize the Downriver Police Mutual Aid for additional communications capability as needed.

9. Ensure that all communciations equipment is operating satisfactorily. Make maintenance arrangements and provide alternate equipment as necessary.

10. Coordinate all actions taking place in the Communications Center, as coordinated by the Emergency Preparedness Coordinator.

11. Communications with federal officals will be handled through the State EOC initially and then through the On-Scene State EOC.

V. ADDENDA

A. Notification, Alert & Mobilization Procedures

B. Maintenance & Emergency Preparedness Capability

C. EOC Communications Resources

NOTIFICATION, ALERT, AND MOBILIZATION PROCEDURES

The Flat Rock Police Department will receive notification from the Monroe City/County Joint Communications Center when the Enrico Fermi Atomic Power Plant declares any one of the four classes of incidents. The Communications Officer will take the following actions for the class of incident that has occurred (refer to the Warning and Law Enforcement Appendices for other law enforcement actions that will occur):

UNUSUAL EVENT

The Flat Rock Police Department will be notified. Refer to the Warning Appendix for further notification procedures.

ALERT

The Communications Officer will ensure that the proper warning and notification tasks have been accomplished under the Warning Appendix.

The Communications Officer will take the action necessary to activate the Communications Center within the Wayne County On-Scene EOC. He will coordinate with the Wayne County Emergency Preparedness Coordinator, the EOC staff, and the Deputy Emergency Preparedness Coordinators of Flat Rock, Gibraltar, and Rockwood to assure communications exist. He will place alternate communications personnel on stand-by or mobilize them as necessary.

SITE AREA EMERGENCY

The Communications Officer will ensure that the proper warning and notification tasks have been accomplished under the Warning Appendix.

The Communications Officer will take the action necessary to activate the Communications Center within the Wayne County On-Scene EOC. He will coordinate with the Wayne County Emergency Preparedness Coordinator, the EOC staff, and the Deputy Emergency Preparedness Coordinators of Flat Rock, Gibraltar, and Rockwood to assure communications exist. He will mobilize alternate communications personnel as necessary. They will report to the Wayne County On-Scene EOC to receive assignments.

GENERAL EMERGENCY

The Communications Officer will ensure that the proper warning and notification tasks have been accomplished under the Warning Appendix.

The Communications Officer will take the action necessary to activate the Communications Center within the Wayne County On-Scene EOC. He will coordinate with the Wayne County Emergency Preparedness Coordinator, the EOC staff, and the Deputy Emergency Preparedness Coordinators of Flat Rock, Gibraltar, and Rockwood to assure communications exist. He will mobilize alternate communications personnel as necessary. They will report to the Wayne County On-Scene EOC to receive assignments.

MAINTENANCE OF EMERGENCY PREPAREDNESS CAPABILITY

DRILLS AND EXERCISES

Once a month, when the Monroe City/County Joint Communications Center gets a call from the plant, the Communications Center will continue the notification procedure to notify the Flat Rock Police Department as per procedure during an actual incident. This will be done to test the communications link between the two counties. The communications link with the Flat Rock State Police Post will also be tested at this time.

At least once each calendar quarter communications equipment will be inspected and inventoried as part of this test. Any equipment removed for repair will be replaced immediately to maintain adequate communciations capability.

A more comprehensive drill will be held once a year to test notification procedures between the two warning entry points and communications between the local EOC's and the State. The drill will be held in accordance with the communications procedures described in the Wayne County Emergency Operations Plan, the Monroe County Emergency Operations Plan, the Michigan Emergency Preparedness Plan, and the Enrico Fermi Site Plan. The communications drill will occur at the time of the small scale exercise to be held annually or at the time of the large scale exercise to be held as required in the Enrico Fermi Primary Emergency Planning Zone.

TRAINING

Communications training for use of communications personnel is carried out by established departmental procedures. This training includes a description of the monthly drills that take place since they are part of the responsibilities and procedures the dispatcher follows in the event of an actual incident, as identified in the Wayne County Emergency Operations Plan.

In addition to the routine training programs attended by communications personnel, an annual training seminar will be conducted. This seminar will be held for all communications personnel to familiarize them with the emergency operational aspects regarding a nuclear power plant incident. It may be held in conjunction with the annual exercise.

The training mission will include education on radiation, types of incidents that could occur at the plant, protective action requirements, general state, local, federal and plant responses, and specific departmental responsibilities and procedures. The Wayne County Emergency Operations Plan will be explained and its use discussed. Specific communications procedures will be dealt with in terms of Communications Center activation in support of the EOC.

MAINTENANCE OF EMERGENCY PREPAREDNESS CAPABILITY

An opportunity will be available for questions and concerns. The Communications Officer will take these concerns under consideration in complying with his responsibilities in maintaining and updating the Communications Appendix.

The annual training seminar will serve as the periodic retraining required of communications personnel since all communications personnel including those possibly assisting through mutual aid, will be included.

WAYNE COUNTY ON-SCENE EMERGENCY OPERATING COMMUNICATIONS RESOURCES

CITY OF GIBRALTAR

POLICE:

Radio

(station base)
(inter city)
(MEPSS, mobile)
4 portable radios, including MEPSS frequency

Telephone

(Police and Fire main line)

2 unlisted lines

Other

LEIN

FIRE

Radio

(station base)
(mutual aid-fire, new frequency)
(Northern Downriver Mutual Aid)
(Western Wayne Co. Mutual Aid)
(State-wide fire)
6 portable radios

Telephone

(Fire and Police main line)

PUBLIC WORKS

Radio

(station base)
4 portable radios

Telephone

WAYNE COUNTY ON-SCENE EMERGENCY OPERATING COMMUNICATIONS RESOURCES

CITY OF FLAT ROCK

POLICE:

Radio

(station base)
(inter city)
(MEPSS)
12 portable radios, including MEPSS,
CB radio receiver scanner
(Monroe Co. Sheriff)
(MSP)
(MSP)
(Wayne Co. Sheriff)
(Wayne Co. Sheriff)
(Northern Downriver area)

Telephone

(main line)
(switchboard - 8 lines)

Other

LEIN

FIRE:

Radio

(station base)
(mutual aid-fire, old frequency)
(Northern Downriver Mutual Aid)
(Western Wayne Co. Mutual Aid)

Telephone

1 unlisted number

PUBLIC WORKS:

Radio

(station base)

WAYNE COUNTY ON-SCENE EMERGENCY OPERATING COMMUNICATIONS RESOURCES

Telephone

1 unlisted number

CITY OF ROCKWOOD

POLICE:

Radio

(station base)
(inter city)
(MEPSS, mobile only)
(mobile only)
(mobile only)

Telephone

(Police and Fire main line)

1 unlisted line

Other

LEIN

FIRE:

Radio

(station base)
(Northern Downriver Mutual Aid)
(Western Wayne Co. Mutual Aid)
(mutual aid-fire, [illegible] mobile only)
1 portable radio
2 portable radios

Telephone

Fire and Police main line)

PUBLIC WORKS:

Radio

station base)

WAYNE COUNTY ON-SCENE EMERGENCY OPERATING COMMUNICATIONS RESOURCES

Telephone

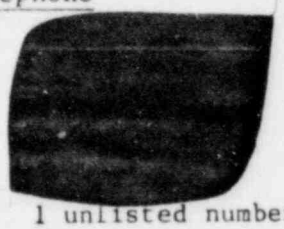
BROWNSTOWN TOWNSHIP

FIRE:

Radio

(station base)
(mutual aid-fire, new frequency)
(mobile)
(State-wide fire)

Telephone



1 unlisted number

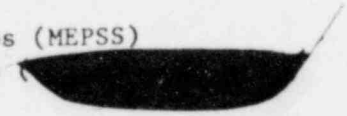
PUBLIC WORKS:

Radio

Telephone

DOWNRIVER MUTUAL AID-POLICE

(Northern Downriver mobile base)
(Southern Downriver mobile base)
(Taylor mobile base)
(MEPSS mobile base)
2 25 watt portable base radios (MEPSS)
26 hand held slim line radios



MONROE COUNTY

Refer to the Communications Appendix 1 to the Monroe County Emergency Operations Plan for more details.

APPENDIX 1, NUCLEAR FACILITY PROCEDURES,

TO THE DAMAGE ASSESSMENT ANNEX

Mitchell Kozak,
Wayne County Emergency
Preparedness Coordinator

George E. McEachran,
Director, Bureau of
Taxation

Date

I. PURPOSES

A. To support the Damage Assessment Annex to the Wayne County Emergency Operations Plan.

B. To establish procedures to collect accident information, in the event of a nuclear facility incident at Enrico Fermi Atomic Power Plant, Unit 2.

II. CONCEPT OF OPERATIONS

A. When a nuclear incident occurs at the Enrico Fermi Atomic Power Plant the Director of the Bureau of Taxation will be notified according to the procedures established in Attachment A. He will then follow these same procedures in notifying the rest of the Damage Assessment emergency organization.

B. In the event the Chairman of the Wayne County Board of Commissioners declares a state of emergency, thereby activating the Emergency Operations Plan, the Director or Designee will take his place in the Wayne County On-Scene Emergency Operating Center as the Damage Assessment Chief.

C. The Damage Assessment Chief is responsible for providing the services listed in Section IV of this appendix. From the EOC he will coordinate the implementation of these tasks. He will gather the most accurate and current information available on the incident and disseminate it to the EOC staff.

D. The Damage Assessment Chief will maintain close contact with the Bureau of Taxation and the Planning Departments, and Building Departments of Gibraltar, Flat Rock, Rockwood and Brownstown Township through direct communication available at the EOC.

E. The Supervisor of Appraisers has been designated as the alternate Damage Assessment Chief to provide 24 hour operational response.

III. ORGANIZATION

A. The Chairman of the Wayne County Board of Commissioners has the responsibility to direct the disaster relief forces of the county in time of emergency. The Damage Assessment Chief will support the Chairman in carrying out the responsibilities established in this appendix.

B. The Damage Assessment Chief will coordinate the disaster relief forces dealing with damage assessment. He will utilize resources of communities involved, Gibraltar, Flat Rock, Brownstown Township, and the county agencies in the EOC.

C. Each of these agencies will direct their resources according to day-to-day procedure. However, the Damage Assessment Chief will coordinate the assessment effort from the county EOC so that a coordinated response takes place among the agencies involved.

IV. TASKS AND EXECUTION

A. Upon notification of a nuclear power plant incident through the Wayne County Warning entry point, a combination of the following actions will be implemented by the Damage Assessment Chief. These actions include but are not limited to the following:

1. Mobilize or alert personnel according to Attachment A.

2. Ascertain that the staff is familiar with the procedures involved including systems established for recording, reporting, displaying, plotting and analyzing information. In the case of a nuclear power plant incident, many of these tasks will be the primary responsibility of the Radiological Defense Officer. The Damage Assessment Team will provide support.

3. If evacuation is considered imminent, plot any conditions on a map that would impede vehicular movement.

4. If evacuation is ordered, plot existing traffic conditions at regular intervals as information is received from law enforcement.

5. Assist the RADEF Officer in distributing dosimeters and maintaining dose records of emergency workers. See appropriate Attachments in the RADEF Appendix for details.

6. Assist the RADEF Officer in compiling monitoring data received from the plant initially and the On-Scene State EOC, once it is activated.

7. Day-to-day procedures will be in effect during the period of the emergency, fully maintained and coordinated.

V. ADDENDA

A. Notification, Alert, and Mobilization Procedures

B. Maintenance of Emergency Preparedness Capability

PROCEDURES FOR NOTIFICATION, ALERT AND MOBILIZATION

The Director of the Bureau of Taxation will receive notification from the Wayne County Warning entry point based on the following emergency action levels. The Director will notify, alert, and mobilize personnel based on them.

Notification of Unusual Event

The Damage Assessment Team will not be notified to assemble under this classification due to the minimal operational response required.

Alert

The Director of the Bureau of Taxation will receive notification under the classification. The Director will notify the Alternate Chief who in turn will see that emergency personnel are readily available to respond to the situation. The Director or Designee will report to the Wayne County On-Scene EOC. Enough Bureau of Taxation people, as well as Building Department personnel of affected communities will be provided to man the Damage Assessment Team in shifts. These people will ready materials needed in accordance with their assigned emergency duties. Posting of information will be maintained as well as maps and charts of nuclear incident.

Site Area Emergency

The Director or his Alternate, will take his place in the EOC. Additional personnel will be assigned, as needed, to assure that the EOC and departmental offices are manned. Not only will Damage Assessment Team shifts be maintained but additional Bureau of Taxation and Building Department people will be on stand-by in case their services are needed, such as aiding the RADEF Officer in issuing dosimeters and monitoring dose levels.

General Emergency

Notification, alert and mobilization will take place as outlined above under Site Area Emergency with all needed personnel put to use, with additional stand-by persons alerted. Continuous damage assessment will be maintained posting necessary data and providing current information for and consultation with offsite authorities and public. Any assistance requested will be provided.

MAINTENANCE OF EMERGENCY PREPAREDNESS CAPABILITY

Training

The personnel in the Damage Assessment Team are trained on-the-job as appraisers as well as taking various courses and seminars at the University of Michigan in assessment procedures and administration. Building Department personnel are also consulted with an effort to determine value of real and personal property.

Damage Assessment Team personnel are familiar with the property and surrounding area of the Enrico Fermi Atomic Power Plant. This includes:

a. Property descrip tions of the Enrico Fermi Atomic Power Plant.

b. Areas surrounding this plant, specifically with a 10-Mile radius, particularly communities of Flat Rock, Gibraltar, Rockwood and Brownstown Township.

c. Real and personal property assessments in affected area.

d. Layout of buildings and physical location of plant on the site.

In addition, an annual training seminar will be conducted for all personnel that may become involved in the damage assessment function. This training mission will include education on radiation, types of incidents that could occur at the plant, protective action requirements, general state, local, federal, and plant responses, and specific departmental responsibilities and procedures. The Wayne County Emergency Operations Plan will be explained and its use discussed.

Drills and Exercises

A small scale exercise will be held annually that may be part of this training process. Following the drill, an opportunity will be made available for questions, comments, and discussion. The Damage Assessment Chief will take these comments, and the results of the drill under consideration in complying with his responsibility in maintaining and updating the Damage Assessment Appendix.

A major exercise will be held in the Enrico Fermi vicinity as required. Damage Assessment personnel will participate.

APPENDIX 1, NUCLEAR FACILITY PROCEDURES,

TO THE PUBLIC INFORMATION ANNEX

Mitchell Kozak,
Wayne County Emergency
Preparedness Coordinator

Leito Durley,
Wayne County Public
Information Officer

Date

I. PURPOSES

A. To support the Public Information Annex to the Wayne County Emergency Operations Plan.

B. To establish the concept of the Joint Public Information Center (JPIC) and the Joint Public Information Team (JPIT) to provide public information a single, unified and credible source of information for distribution to the public and news media in the event of a nuclear facility incident at Enrico Fermi Atomic Power Plant, Unit 2.

C. To establish the procedures necessary to attain these public information goals.

II. CONCEPT OF OPERATIONS

A. When a nuclear incident occurs at the Enrico Fermi Atomic Power Plant, the Public Information Coordinator representing the Chairman of the Wayne County Board of Commissioners will be notified according to the procedures established in Attachment A. He (she) will then follow these same procedures in notifying the and mobilizing public information personnel

B. In the event the Chairman of the Monroe County Board of Commissioners declares a state of emergency, thereby activating the Emergency Operations Plan (EOP), the Public Information Officer designated to represent Wayne County at the Joint Public Information Center at Monroe County Community College will take his (her) place at the center. The Wayne County Public Information Coordinator (normal position) will become the Public Information Officer during emergencies.

C. The Public Information Officer is responsible for providing the services listed in Section IV of this appendix. The PIO will have a contact within the Wayne County On-Scene Emergency Operating Center to provide quick and reliable information to the public and news media in a timely manner.

D. The PIO will maintain close contact with the PIO representative at the EOC through direct communications available between the JPIC and the EOC. In this manner he will also have immediate communication available with all other agencies involved int he emergency response procedures.

E. The Assistant Public Information Coordinator (normal position within Wayne County government) has been designated as the alternate Public Information Officer and will act in his (her) behalf in the event of an extended emergency or other unexpected circumstance. Normal workshifts will be of 12-hour duration at the EOC and JPIC.

F. The PIO will be present at the JPIC where other Public Information Officers from Monroe County, the State of Michigan, the Federal Emergency Management Agency (when activated) and the Enrico Fermi Atomic Power Plant will gather to exchange information and coordinate news releases.

III. ORGANIZATION

A. The Chairman of the Wayne County Board of Commissioners has the responsibility to direct the disaster relief forces of the county in time of emergency. The PIO will support the Chairman in carrying out the responsibilities established in this appendix.

B. The PIO will coordinte with the communities lying within the Primary Emergency Planning Zone in Wayne County (Rockwood, Flat Rock, and Gibraltar) to gain information to distribute to the public. He (she) will coordinate with the Deputy Coordinators from these communities who will be available in the EOC.

C. In the event the Governor declares a state of disaster under Act 390, the public information function will become part of the total state disaster relief effort.

IV. TASK AND EXECUTION

A. Upon notification of a power plant emergency by the Office of Emergency Preparedness some or all of the following actions will be implemented as appropriate by the Public Information Officer, based on the initial information provided:

1. Report to JPIC based on the procedures found in Attachment A.

2. Coordinate with the EOC contact to gather information necessary for release to the general public as a supplement to the warning system. Review this information with the Chairperson and responsible sources before its release to assure it is accurate.

3. Notify the media to secure their cooperation in distributing this information to the public. (Media contacts are available within the Public Information Coordinator's regular office.)

4. The Emergency Broadcast System (EBS) will be activated to supplement the public notification system. Monroe County will take the necessary steps to activate this system.

5. As a member of the Joint Public Information Team, composed of representatives of the state, the utility operator, the federal government, and the counties involved, exchange information and release it jointly from the JPIC to assure it is accurate, complete and timely, and the sole source of information on the incident.

6. News briefings will be held at least daily at the JPIC for the duration of the crisis. More frequent briefings will be held, if necessary. Their frequency will be publicized at the time of the incident.

7. Write news releases based on the information gathered through the PIO contact in the EOC from the various sources present in the EOC. Review them with the Chairperson to assure that they are accurate and that official sources were used.

8. Coordinate with plant officials in arranging for on-site tours of the plant as appropriate.

9. Special communciations channels will be identified in the county where the public can receive personalized information. Telephone lines to the Joint Public Information Center will be used to control rumours, answer questions, and provide technical advice. It is anticipated rumours will be controlled for the most part through accurate, credible, and timely information releases. The telephone company has the capacity to coordinate telephone numbers between Monroe and Wayne counties. An automatic answering service may be utilized with a publicized "hot line" number made available to the public for timely, pre-recorded information. This system will also help alleviate telephone traffic to emergency agencies such as the police and fire departments.

V. ADDENDA

A. Notification, Alert, and Mobilization Procedures.

B. Annual Public Information Dissemination and News Media Briefing.

C. Specific Information to be given to the public for a Nuclear Power Plant Incident.

D. Sample Public Information Release.

PROCEDURES FOR NOTIFICATION, ALERT, AND MOBILIZATION

The Public Information Officer will receive notification from the Wayne County Emergency Preparedness Coordinator when an incident occurs at the Enrico Fermi Plant that may be classified into one of the following four emergency action levels.

NOTIFICATION OF UNUSUAL EVENT

The Public Information Officer will be notified by the Emergency Preparedness Coordinator at this time. The Public Information Officer will go to the JPIC at the Monroe County Community College and ready public information for distribution to the public and establish contact with the Wayne County On-Scene EOC which will be activated at this time. He will mobilize public information staff as necessary.

SITE AREA EMERGENCY

See Above.

GENERAL EMERGENCY

See Above.

ANNUAL PUBLIC INFORMATION DISSEMINATION AND NEWS MEDIA BRIEFING

Public Information Dissemination

Public information will be distributed to residents of Rockwood, Gibraltar, Flat Rock, and Brownstown Township once a year dealing with an incident at the Enrico Fermi Atomic Power Plant. A bulletin will be sent to every household in these four communities. The news media will publicize the availability of extra bulletins at public locations for those who did not receive one.

The public information will include, but not necessarily be limited to:

a. Educational information on radiation

b. Contact for additional information

c. Respiratory protection/radioprotective drugs

d. Sheltering

e. Evacuation procedures

f. Special needs of the handicapped

News Media Briefing

An annual news media briefing will be held by the Wayne County Public Information Officer to coincide with the yearly distribution of the Public Information bulletins. At this time, information will be provided to area news media explaining all plans and procedures regarding release of news during a nuclear facility incident.

The bulletins to be distributed to the public will be explained in detail and the media will be encouraged to make public service announcements to publicize their availability and contents.

The media will be informed of any changes in plans or procedures for a nuclear power plant incident made during the year by the County Public Information Officer.

This annaul training will be held concurrently with the small exercise to be held annually in the 10mile Enrico Fermi Primary Emergency Zone. Participation by the Public Information staff will be as necessary to exercise various emergency response components. The Public Information staff will participate in a major exercise when this is held in the area, as required.

SPECIFIC INFORMATION TO BE GIVEN TO THE PUBLIC FOR A NUCLEAR POWER PLANT INCIDENT

1. Identification of local government issuing the information.

2. Identification of the facility experiencing the emergency and the time the incident began.

3. Identification of the communities or geographic areas affected by the emergency.

4. Simple description of the type of emergency and the nature of the hazard, according to information supplied by the plant, the county or State.

5. Instructions with regard to the specific protective measures to be taken by residents of the affected areas.

   For evacuation: where to go, when to leave, what to take, how to get there, how long to stay.

   For shelter: what to do, where to go, how long to stay indoors, what to eat and drink.

6. Type of and extent of involvement of emergency response forces.

7. Identification of communications channels over which further information will be given.

Attachment D to Appendix 1 (Nuclear Facility Procedures) to the Public Information Annex

SAMPLE PUBLIC INFORMATION RELEASE

Threatened Release of Radioactive Material

The Chairman of the Wayne County Board of Commissioners announced today an accident has occurred at Enrico Fermi Atomic Power Plant. The incident has been classified as an Unusual Event as no release of radioactive materials has occurred. However, further degradation of safety systems could lead to more serious consequences. State and local authorities have been notified and are constantly being appraised of the situation. The Chairman (has, or presently has not) declared a State of Emergency based on information available at this time. Further advisory bulletins on the incident will be released as information becomes available.

Actual Release of Radioactive Material

The Chairman of the Wayne County Board of Commissioners announced today that an accident has occurred at the Enrico Fermi Atomic Power Plant resulting in the release of radioactive material to the environment. The plant (released or began releasing) _____ curies of radioactive material. The release _____ (has been stopped, or is continuing at this hour). The incident has been classified as a _____ (general emergency, site area emergency, or alert). The Chairman has declared that a State of Emergency exists for Wayne County and that the communities of Flat Rock, Gibraltar, Rockwood, and Brownstown Township could receive plume exposure affects from the incident. The specific area affected has not yet been determined. County radiological monitoring teams have been dispatched and are currently making radiolgoical measurements and assessing the extent of environmental contamination. The Chairman advises all persons to seek shelter indoors immediately and close all windows, doors, and other air openings and await further instructions which will be issued shortly by radio, television, or other means available.

Protective Actions

(Whole Body less than 0.5 rem, Thyroid less than 15 rem)

The Chairman advises persons living in the vicinity of the Enrico Fermi Plant in _____ (area) that there is no need for concern. However, even though the (amount of material released, or present situation) does not constitute an immediate health hazard, the Chairman recommends that pregnant women and children less than one year old either remain indoors at all times or leave the area. Further advisory bulletins on the incident will be released as information becomes available.

Protective Actions

(Whole Body of 0.5 rem to less than 5 rem, Thyroid of 1.5 rem to less than 15 rem)

The Chairman advises that all persons within _____ (description of area) near the Enrico Fermi Plant seek shelter indoors and close all windows, doors, and other air openings and await further instructions. The Chairman also recommends that pregnant women and children less than one year old within _____ (description of area) leave the area. Further advisory bulletins on the incident will be released as information becomes available.

Protective Actions

(Whole Body of 5 rem or more, Thyroid of 15 rem or more)

The Chairman advises that all persons in _____ (describe area affected) evacuate the area. The Chairman also advises other persons in _____ (describe area affected) go indoors and close windows, doors, and other air openings to prevent inhaling dangerous radioactive materials which are already being carried downwind from the plant. Persons in these areas will be advised when it is safe to travel out of the area or to take additional protective actions, whichever becomes appropriate.

Dairy Farm Advisory

Dairy farms in _____ (describe area affected) have been advised by _____ to immediately place their cattle on stored feed to avoid unnecessary contamination of the milk supply. Representatives of the Michigan Department of Agriculture will conduct a continuing surveillance of those dairy farms affected to ensure the milk supply's purity. Those farmers in the affected area unable to put their cows on stored feed are advised to call _____ at _____ and are cautioned to avoid drinking the milk until measurements have been made. Farmers and gardeners in these areas should also avoid eating or selling fresh garden produce grown in the area. Further advisory bulletins will be released as information becomes available.

Radio-protective Drugs

In addition to the protective actions given, the Chairman recommends persons living in _____ (area affected) proceed to _____ (location) to pick up a supply of potassium iodide tablets that will be issued by the local health department. This thyroid blocking drug will inhibit the absorption of radioprotective iodine into the gland and thus limit exposure to radiation. Further instructions will be given upon the receipt of the tablets.

Reentry and/or Recovery

The Chairman has rescinded all (evacuation, shelter) advisories for _____ (describe area affected) that were issued for the nuclear incident at the Enrico Fermi Atomic Power Plant. You may (return home, or leave your shelter). No further special precautions are necessary for radiation protection purposes. The state and local governments will continue to monitor the environment and establish long-term sampling procedures.

APPENDIX 1, NUCLEAR FACILITY PROCEDURES,

to the RADIOLOGICAL DEFENSE ANNEX

Mitchell Kozak, Coordinator,
Wayne County Office of
Emergency Preparedness

Leland H. Onkka, RADEF Officer
& Administrative Asst., Wayne
County Inter-Governmental
Affairs & Mgmt

Date

I. PURPOSES

A. To support the Radiological Defense Annex to the Wayne County Emergency Operations Plan.

B. To establish procedures for Radiological Defense personnel to follow in the event of a nuclear facility incident at the Enrico Fermi Atomic Power Plant, Unit 2. Cities within the 10-mile "Primary Emergency Planning Zone" that are covered in this plan include: Flat Rock, Gibraltar, and Rockwood.

II. CONCEPT OF OPERATIONS

A. Should a "nuclear plant incident" occur at the Fermi 2 Plant, immediate notification will go to the Radiological Defense (RADEF) Officer who will alert RADEF personnel to mobilize. Notification and mobilization will occur based on the procedures established in Attachment A. (The RADEF Officer is an Administrative Assistant with the Wayne County office of Inter-Governmental Affairs and Management, located at 706 City-County Building, Detroit).

The RADEF Officer will report to the Wayne County On-Scene Emergency Operating Center (EOC) at the Flat Rock Municipal Building. RADEF monitors will report to their assigned duty stations, as necessary.

B. Should a State of Emergency be declared by the Chairman of the Wayne County Board of Commissioners, the Emergency Operations Plan will go into effect, and the RADEF Officer will report to the Wayne County On-Scene EOC.

C. The RADEF Officer will coordinate RADEF activities from the EOC, gathering significant data and information from RADEF monitors for analysis and dissemination to appropriate agencies and officials for their use in emergency operations. (See Section IV of this appendix for detailed description of tasks and plan execution).

D. The RADEF Officer will maintain close contact with disaster relief forces through direct communications available at the EOC to ensure that operations are being accomplished.

E. The alternate RADEF Officer will share duties with the RADEF Officer on a 12-hour shift basis. (The alternate RADEF Officer comes from a position in county government appointed by the Board of Commissioners.

F. The RADEF Officer will disseminate information directly to the State EOC in Lansing until such time as the On-Scene State EOC has been established. The On-Scene State EOC will become the central point for the receipt and analysis of field monitoring data when activated.

G. The utility company will provide Wayne County with monitoring information. They will send a representative to the County On-Scene EOC. Wayne County will receive information from the plant through Monroe County initially, and then through the Detroit Edison Emergency Operating Facility when established. Once State resources are activated, the Michigan Department of Public Health will provide the RADEF Officer with data. The County will then follow the recommendations for protective action coming from the On-Scene State EOC.

III. ORGANIZATION

A. The Chairman of the Wayne County Board of Commissioners has the responsibility to direct the disaster relief forces of the County in time of emergency. The RADEF Officer will support the Chairman in carrying out the responsibilities established in this appendix.

B. The County RADEF Officer will coordinate with the RADEF monitors in the cities of Flat Rock, Rockwood, and Gibraltar.

C. In the event that the Governor declares a State of Disaster under Act 390, the RADEF functions will become a part of the over-all State response effort.

D. Communities and the county will provide emergency services, including radiological defense, 24 hours a day.

IV. TASKS AND EXECUTION

A. The RADEF Officer will inspect, inventory, and operationally check emergency equipment and instruments at least once each calendar quarter and after each use. These shall be sufficient reserves of instruments and equipment to replace those which are removed from emergency kits for calibration or repair. Calibration of equipment shall be at intervals recommended by the supplier of the equipment (the Emergency Services Division of the State Police).

B. Upon receiving notification of a power plant incident through the alert procedures (see Attachment A) the RADEF Officer will implement the following actions as appropriate:

1. The RADEF Officer will follow the procedures for notification, alert, and mobilization as outlined in Attachment A of the Appendix.

2. The RADEF Officer will coordinate monitoring in Flat Rock, Rockwood, and Gibraltar until State resources are activated. Public Safety transportation and communications will be utilized from the area in which the monitoring occurs or as provided through police and fire mutual aid agreements. Communications will be directed back to the RADEF Officer in the Wayne County On-Scene EOC. All public safety radio frequencies are available in the EOC.

3. The RADEF Officer will coordinate the distribution of dosimeters to emergency workers. Designate fire stations for dosimeter distribution. (See Attachment D for details).

4. The RADEF Officer will record, plot, and report actual and projected doses occurring offsite as information is received from Wayne County monitors, Monroe County, the Fermi 2 Plant, and the State.

5. The RADEF Officer will obtain, record, and plot meteorological data and forecasts at the County EOC. When the State On-Scene EOC is established this information will be provided.

6. The RADEF Officer shall maintain a record, and seek to control, the amount of exposure sustained by emergency workers, utilizing the individual exposure record card. (See Attachment F for the decision chain for authorizing workers to incur excess exposure).

7. The RADEF Officer shall maintain off-site monitoring until Michigan Department of Public Health Officials arrive. (See Attachment G for pre-selected monitoring sites).

8. The RADEF Officer will provide monitoring for evacuees and emergency workers at decontamination centers, and assist in decontamination measures as necessary. (Refer to the Health Appendix for action levels for decontamination).

V. ADDENDA

A. Notification, Alert, and Mobilization Procedures

B. Maintenance of Emergency Preparedness Capability

C. Distribution of Dosimeters

D. Emergency Workers Exposure Control Procedures

E. Decontamination Procedures for Public Decontamination Centers

F. Emergency Worker Exposure Control Criteria

G. Map of Pre-Selected Monitoring Sites

H. Inventory of RADEF Resources

PROCEDURES FOR NOTIFICATION, ALERT, AND MOBILIZATION

A. NOTIFICATION - The RADEF Officer will be notified by the Wayne County warning entry point when the Fermi 2 Plant has declared an "Alert" (or higher) classification of incident.

B. ALERT - The RADEF Officer will respond according to the specific classification of incident in effect, using the following procedures:

1. Unusual Event - Under an "Unusual Event" classification, the RADEF Officer will NOT be notified, nor will he take any action, due to the minimal implications to the safety of the population.

2. Alert - When an "Alert" is declared by the Fermi 2 Plant, the RADEF Officer will proceed to the Wayne County On-Scene EOC in Flat Rock to perform the functions outlined in this Appendix.

3. Site Area Emergency - When a "Site Area Emergency" is in effect, the RADEF Officer will operate from the Wayne County On-Scene EOC in Flat Rock using the procedures outlined in this Appendix.

4. General Emergency - When a "General Emergency" is in effect, the RADEF Officer will operate from the Wayne County On-Scene EOC in Flat Rock using the procedures outlined in this Appendix.

C. MOBILIZATION - The RADEF Officer will alert RADEF personnel to mobilize as necessary. Preliminary monitoring will be begun at the Alert stage. A list of trained personnel is available in the Office of Emergency Preparedness. Deployment time is estimated to be between one and two hours upon notification. He will brief the personnel and coordinate operations. He will coordinate RADEF monitoring with the Deputy Emergency Preparedness Coordinators from Flat Rock, Rockwood, and Gibraltar. He will perform, as needed, the tasks listed in this Appendix to the RADEF Annex.

The RADEF Officer will receive assistance from the Wayne County Bureau of Taxation in maintaining records and plotting information on maps. Fire departments will carry out vehicle decontamination.

MAINTENANCE OF PREPAREDENESS CAPABILITY

An annual training seminar will be conducted to familiarize Radiological Defense (RADEF) personnel with emergency operational aspects regarding a nuclear power plant incident.

The annual training mission will include education on radiation, types of incidents that could occur at the plant, protective measures, general state-federal-plant responses, and specific RADEF responsibilities and procedures. The Wayne County Emergency Operations Plan will be explained and its use discussed.

Radiological Defense personnel will attend State and Federally sponsored training courses to maintain their capability. Refer to the Michigan Emergency Preparedness Plan for a description of courses available.

A small scale exercise will be held annually within the Enrico Fermi Plant's "Primary Emergency Planning Zone". RADEF personnel may participate in this exercise, as necessary. The required annual radiological monitoring drill may be held as part of this exercise. Communications and record keeping will be tested. The local RADEF organization will participate with the Michigan Department of Public Health in the collection and analysis of all sample media when this drill is held in the Enrico Fermi Primary Emergency Planning Zone. Following the exercise, an opportunity will be made available for questions, comments, and discussion. The RADEF Officer will make notes of these comments for consideration in annually updating the RADEF Annex to the Wayne County Emergency Operations Plan (EOP).

A major exercise will be held, as required, within the Enrico Fermi Primary Emergency Planning Zone. The RADEF Officer and RADEF personnel will participate in this exercise.

DISTRIBUTION OF DOSIMETERS

1. A supply of 100 dosimeters (both high and low range and permanent record type) is stored in the Flat Rock Municipal Building. The individual exposure record cards are also stored there.

2. The RADEF Officer will ask the Deputy Emergency Preparedness Coordinators from Flat Rock, Gibraltar, and Rockwood to appoint someone from a fire department in each of these communities to come to the County On-Scene EOC at the Flat Rock Municipal Building to receive their community's allotment of dosimeters. They will then be distributed to individual workers at fire stations in these communities.

3. The RADEF Officer will request officials of responding County Departments to instruct their departmental personnel to obtain dosimeters from the Flat Rock Municipal Building before they begin working in the 10-mile Primary Emergency Planning Zone.

4. Each Department head will designate one individual to be responsible for exposure control to the department's emergency workers. That individual will keep records. He will relay this information to the RADEF Officer at the end of each duty shift.

EMERGENCY WORKER EXPOSURE CONTROL PROCEDURES

The fire departments at Flat Rock, Rockwood, and Gibraltar will be used to monitor emergency workers for radiation exposure. These will be operated on a 24-hour basis.

When an emergency worker's shift ends, he/she will go to his designated station to get his dosimeter read and to turn in his permanent record film badge.

A fireman and a recorder will be present at each station to read the dosimeters, record the data, and forward it to the Radiological Defense (RADEF) Officer in the EOC. The RADEF Officer will forward the exposure information to departmental representatives. At the time of the incident, the RADEF Officer will brief them on procedures to follow.

Each department will establish work shifts to maintain 24-hour operations. A fireman from the station will be present at all times. Assistance at these stations will be provided by the Down River Mutual Aid.

If any emergency worker has reason to believe he has received an excessive amount of radiation, he will be instructed to report directly to his designated station. If a fireman finds an emergency worker has accumulated a dose beyond the limits established, he will immediately call the RADEF Officer for further instructions. Emergency worker exposure limits can be found in Attachment F. Decontamination procedures can be found in the Health/Medical Appendix.

The fire stations will be set up to allow emergency workers to take showers if they have received some contamination.

The Department of Social Services will coordinate the provision of extra clothing at these stations. Contaminated clothing will be stored in one location away from traffic. The Michigan Department of Public Health will coordinate its disposal.

A team of firemen at these stations will hose down the vehicles of emergency workers that have been contaminated, according to Michigan Department of Public Health guidance.

DECONTAMINATION PROCEDURES FOR PUBLIC DECONTAMINATION CENTERS

Decontamination centers may need to be established at schools for decontamination of the general population during an evacuation. Refer to the School Appendix for a list of potential locations. The establishment of these centers will be dependant on the wind direction for their location and the type of accident for the necessity of establishing them.

Fire personnel from the district(s) in which the decontamination center(s) is located will be present to decontaminate (hose down) the private vehicles of the public that may be contaminated. Alternate fire personnel will be provided through the Downriver Mutual Aid.

Fire services will bring hoses that they will attach to the fire plugs at these locations. The water pressure attained will serve to decontaminate vehicles. Decontamination of vehicles will be accomplished in a nearby field to allow for the containment of material in one area and to facilitate removal of it at a later time, if necessary.

RADEF personnel will be available for monitoring evacuees, with assistance from the Michigan Department of Public Health. Sufficient personnel and equipment will be available so that the population arriving at the decontamination centers can be monitored in a 12 hour period. If it is found an evacuee has been contaminated according to the criteria found in the Health/Medical Appendix, he will be asked to take a shower after which he will be given a change of clothing and re-monitored. The Department of Social Services will provide clothing if the evacuee does not have extra with him. Contaminated clothing will be kept in one place, away from traffic. The Michigan Department of Public Health will coordinate its disposal.

EMERGENCY WORKER EXPOSURE CONTROL CRITERIA

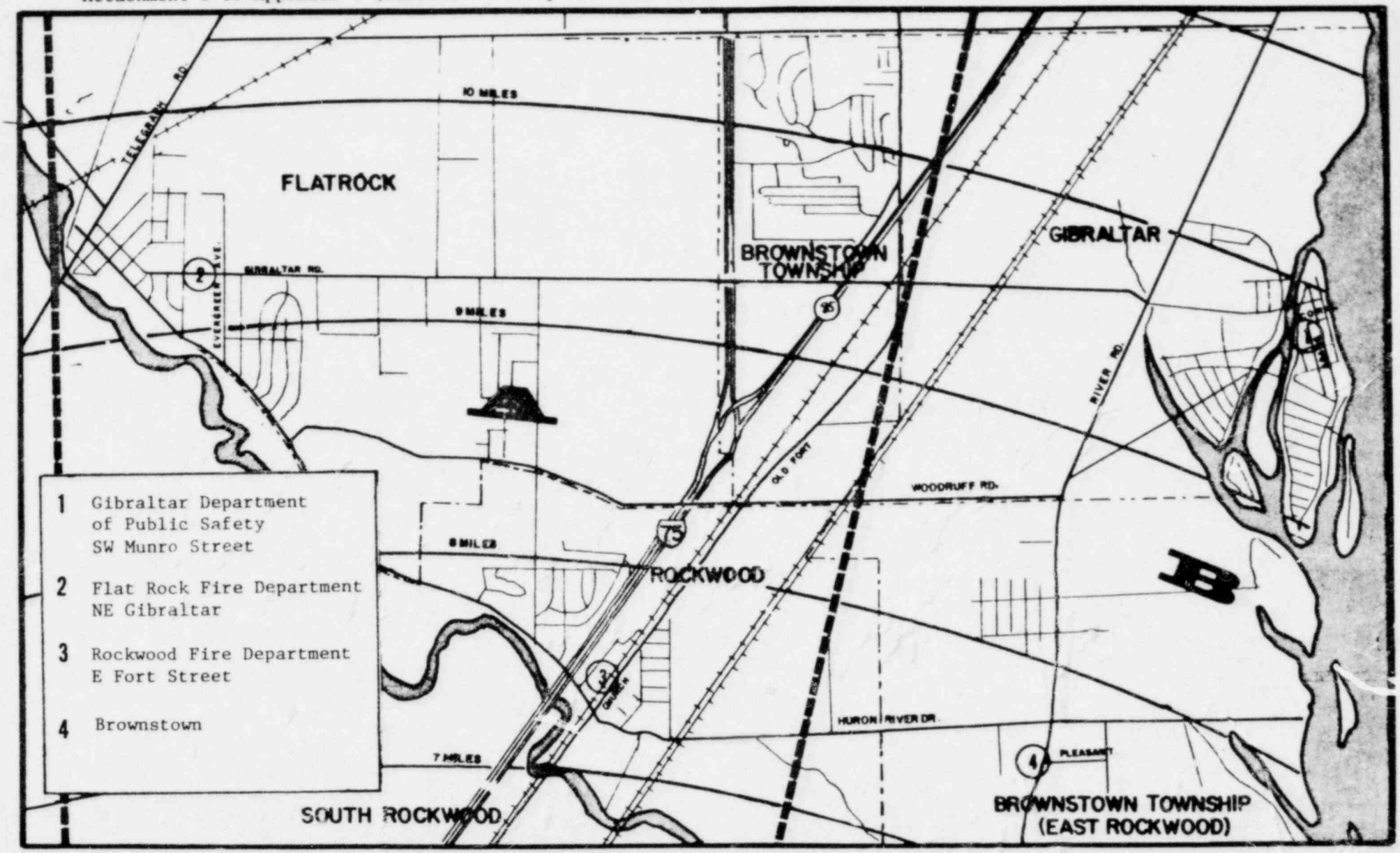
1. The Radiological Defense Officer is responsible for maintaining a record of exposure for all county emergency response personnel and an estimated record of exposure for the populace.

2. Each agency head with personnel involved in areas where excessive exposure could be received will be informed of the levels of exposure to his personnel. The maximum dose to emergency workers will not exceed a cumulative of 25 REM to the whole body. Exposure beyond this limit will be on a voluntary basis and then only for life saving purposes. Emergency worker exposure criteria is established by the Michigan Department of Public Health in accordance with the Environmental Protection Agency General Public Protective Action Guides.

Recommended Maximum Doses for Emergency Workers

Whole-body dose for non-life saving action	25 rem
Whole-body dose for life saving action	75 rem
Thyroid dose for non-life saving action	125 rem
Thyroid dose for life saving action	*

*No upper limit is given since thyroid loss may be acceptable for a life saved.



Pre-Selected Monitoring Points in Wayne County

WAYNE COUNTY RADIOLOGICAL EQUIPMENT INVENTORY*

> This equipment is available at the Wayne County Office of Civil Preparedness, Westland. Some dosimeters are stored in Flat Rock. (Refer to Attachment C.)

18 CD V-777 Operational Sets, consisting of:

2	Ea	CD V-715	Survey Meters
1	Ea	CD V-700	Survey Meter
1	Ea	CD V-750	Dosimeter Charger
6	Ea	CD V-742	Dosimeters (0-200 R)

1 CD V-457 Training Group Kit, consisting of:

1	Ea	CD V-457	AC Pwr Survey Meter
1	Ea	CD V-717	Survey Meter
10	Ea	CD V-700	Survey Meters
10	Ea	CD V-715	Survey Meters
10	Ea	CD V-750	Dosimeter Chargers
50	Ea	CD V-138	Dosimeters (0-200 mR)
20	Ea	CD V-742	Dosimeters (0-200 R)

844 CD V-742 Dosimeters (with chargers)

100 CV V-138 Dosimeters (with chargers)

100 TLD permanent record type dosimeters

*It is recognized that some of this equipment is not suitable for monitoring radioactive effluents resulting from a peacetime nuclear incident. Refer to the next page for instrument capabilities.

A list of the people in Wayne County trained to use this equipment is available through the Office of Emergency Preparedness.

CD V-INSTRUMENT DESCRIPTIONS

CD V-700	0-.5, 0-5, and 0-50 mR/hr. GM Survey Meter, Victoreen Models 6, 6A, and 6B uses a 30 mg/cm^2 (Victoreen 6993) Geiger tube. A modified version (CD V-700M) uses a 2.5 mg/cm^2 end window GM tube (Aperex NB-200).
CD V-715	0-.5, 0-5, 0-50, and 0-500 R/hr ion-chamber Survey Meter. Victoreen Models, 1, 1A, and 1B. Calibrated at 80% of full scale on each range with cesium 137 standard.
CD V-717	0-.5, 0-5, 0-50, and 0-500 R/hr remote ion-chamber Survey Meter w/25 feet of tri-axial cable. Victoreen Model 1, characteristics and calibration same as CD V-715.
CD V-720	0-5, 0-50, and 0-500 R/hr ion-chamber Survey Meter with beta-discriminating window. Victoreen Model 3A characteristics similar to CD V-715. Calibrated on 3 ranges with cesium 137 standard.
CD V-750	Dosimeter Charger with internal light source. Jordan Models 5, 5A, and 5B. Bendix Models 5 and 5B. Industrial Electronics Hardware Model 5B.
CD V-756	*Dosimeter Charger. Commercial version of CD V-750.
CD V-138	Bendix pocket chamber dosimeter 0-200 mR.
CD V-730	Bendix pocket chamber dosimeter 0-20R.
CD V-736	*Bendix pocket chamber dosimeter. Commercial rate meter. Zero and read 0-120 R/hr after one-minute interval of exposure or 0-12 R/hr after 10-minutes of exposure on second scale.
CD V-740	Bendix pocket chamber dosimeter 0-100R.
CD V-742	Bendix pocket chamber dosimeter 0-200R.
CD V-746	*Bendix pocket chamber dosimeter. Commercial Model. 0-600R.

*These three items as a unit were sold commercially by Sears and Roebuck and more recently, by Radio Shack. They are painted blue or bronze-brown.

APPENDIX 1, NUCLEAR FACILITY PROCEDURES,

TO THE LAW ENFORCEMENT ANNEX

Mitchell Kozak,
Wayne County Emergency
Preparedness Coordinator

Raymond Hoffman, Chairman
Downriver Police Mutual
Aid

Date

I. PURPOSES

A. To support the Law Enforcement Annex to the Wayne County Emergency Operations Plan.

B. To establish procedures to provide for the general health, safety, and welfare of the population in the event of a nuclear facility incident at Enrico Fermi Atomic Power Plant, Unit 2.

C. To establish procedures to afford security, perimeter control, evacuation and other law enforcement functions in the event of an incident at Enrico Fermi.

II. CONCEPT OF OPERATIONS

A. When a nuclear incident occurs at the Enrico Fermi Atomic Power Plant the Chairman of the Downriver Police Mutual Aid will be notified according to the procedures established in Attachment A. He will then follow these same procedures in notifying the rest of the Wayne County emergency preparedness organization based on Flat Rock Police Department's designation as the primary notification and warning entry point.

B. In the event the Chairman of the Wayne County Board of Commissioners declares a state of emergency, thereby activating the Emergency Operations Plan, the Chairman of the Downriver Police Mutual Aid or his designee will take his place in the Wayne County On-Scene Emergency Operating Center as the Law Enforcement Operations Officer.

C. The Law Enforcement Operations Officer is responsible for providing the services listed in Section IV of this appendix. From the EOC he will coordinate the implementation of these tasks. He will gather the most accurate and current information available on the incident and disseminate it to his disaster relief forces in the field.

D. The Law Enforcement Operations Officer will maintain close contact with the police departments he is responsible for coordinating through direct communications available at the EOC to ensure operations are being accomplished. He will also have immediate communication available with the police departments of Flat Rock, Rockwood, and Gibraltar which will be represented in the EOC.

E. The Vice Chairman of the Downriver Mutual Aid or his designee has been designated as the alternate Law Enforcement Operations Officer to provide relief at the EOC on a 12-hour shift basis.

F. The police departments of Flat Rock, Rockwood, and Gibraltar will respond to the incident in their jurisdiction as coordinated by the Law Enforcement Operations Officer. In the absence of sufficient manpower available, the Downriver Police Mutual Aid will be implemented to augment law enforcement forces in the 10 mile Primary Emergency Planning Zone in Wayne County.

III. ORGANIZATION

A. The Chairman of the Wayne County Board of Commissioners has the responsibility to direct the disaster relief forces of the county in time of emergency. The Law Enforcement Operations Officer will support the Chairman in carrying out the responsibilities established in this appendix.

B. The Law Enforcement Operations Officer will coordinate the disaster relief forces dealing with law enforcement.

C. In the event the Governor declares a State of Disaster, local law enforcement forces will become part of the total statewide disaster relief effort. State resources will augment local forces.

IV. TASKS AND EXECUTION

A. Upon notification of a nuclear power plant incident from the Monroe City/County Joint Communications Center, the Law Enforcement Operations Officer will take the following actions as appropriate:

1. He will ensure that EOC personnel and other entities are notified based on the notification, alert, and mobilization procedures found in Attachment A. (Refer to the Warning Appendix for more details.)

2. He will ensure that the public warning procedures are implemented in the affected area, as necessary. (Refer to the Warning Appendix for more details.)

3. Law enforcement personnel working in the 10 mile Primary Emergency Planning Zone will be given dosimeters to monitor the amount of radiation dose they may receive. He will instruct personnel going to work in the affected area to first obtain one of these devices. A member of each community (a fireman) will report to the Wayne County On-Scene EOC (Flat Rock Municipal Building) to pickup his community's allotment of dosimeters. Personnel from each community will then report to their local fire station to obtain dosimeters. Emergency workers from other areas will be assigned to a fire station. Supervisors will explain radiation control procedures to law enforcement personnel and control exposure. The Radiological Defense Officer will ensure this is done.

4. The only correctional facility within the Primary Emergency Planning Zone in Wayne County is the Flat Rock jail. Jail inmates will be kept in the jail unless evacuation of the area is ordered. At this time they will be transported by Flat Rock Police to the Trenton jail. If space is unavailable there, they will be transported to the Wayne County jail or the Michigan Department of Corrections will be called upon to assist in finding space in adjoining counties.

   If in-place sheltering is ordered as the protective action to be taken, Flat Rock Police personnel will take the necessary precautions to ensure the safety of themselves and the inmates.

5. Perform light rescue and first aid treatment as coordinated with the fire services.

6. If evacuation is ordered, establish evacuation routes to the designated housing area. Set up traffic control points. Coordinate with the Road Commission in this function. See the appropriate Attachments to this Appendix. See the Road Commission Appendix for route capacities.

7. If evacuation is ordered, provide for traffic control and security at decontamination/reception centers and congregate care facilities. See the School and Social Services Appendices for a list of potential facilities.

8. Provide for access control of the affected area, including waterways. Coordinate with the Road Commission in this function. Refer to Attachment C for access control points.

9. Enforcement curfew restrictions as necessary.

10. Maintain normal vital law enforcement functions in all areas, including security.

11. If evacuation is ordered, attempt to confirm evacuation of households. This will be accomplished using data compiled at the reception centers and door-to-door contact.

12. If evacuation is ordered, crucial intersections will be assigned uniformed officers for traffic control. Officers will be assigned from the EOC.

13. Any impediments to traffic routes will be removed, such as stalled vehicles. The officer at the scene will make the decision how this should be done and order the appropriate action. Alternate routes will be used if the impediment is too great to remove or repair. In-place sheltering may be considered as an alternative if the safety of the population will be endangered due to unsafe evacuation conditions.

14. Provide security at the Wayne County On-Scene EOC.

V. ADDENDA

A. Notification, Alert and Mobilization Procedures

B. Maintenance of Emergency Preparedness Capability

C. Access Control Points and Procedures

D. Evacuation Routes

E. Evacuation Time Estimates

NOTIFICATION, ALERT, AND MOBILIZATION PROCEDURES

The Monroe City/County Joint Communications Center will receive notification directly from the Enrico Fermi plant upon the occurrence of an incident that may be classified as one of the four emergency action level classes. The Communications Center will immediately notify the Flat Rock Police Department which is the warning entry point for Wayne County for a nuclear facility incident. The Police Department will take the following actions dealing with warning and notification. (Also refer to the Warning Appendix for further actions.)

UNUSUAL EVENT

The Flat Rock Police Department will notify:

1. The Wayne County Emergency Preparedness Coordinator.
2. The Police Departments of Rockwood and Gibraltar.
3. The Fire Department in Brownstown Township.

ALERT

The Flat Rock Police will notify:

1. The Wayne County Emergency Preparedness Coordinator.
2. The Police Departments of Rockwood and Gibraltar.
3. The Fire Department in Brownstown Township.
4. The Wayne County Emergency Operating Center staff. Refer to Appendix 1 to the Warning Annex for the EOC call list. They will be told to report to the Wayne County On-Scene EOC for activation of the EOC.
5. The Deputy Emergency Preparedness Coorinators of Flat Rock, Rockwood, and Gibraltar will notify key department heads within their respective cities to stand by for possible response actions. They will report to the Wayne Co. On-Scene EOC. The Fire Chief in Brownstown Twp. will take the action necessary to activate the township's own response.

SITE AREA EMERGENCY

The Flat Rock Police Department will notify:

1. The Wayne County Emergency Preparedness Coordinator.

2. The Police Departments of Rockwood and Gibraltar.

3. The Fire Department in Brownstown Township.

4. The Wayne County Emergency Operating Center staff. Refer to Appendix 1 to the Warning Annex for the EOC call list. They will be told to report to the Wayne County On-Scene EOC for activation of the EOC.

5. The Deputy Emergency Preparedness Coordinators from Gibraltar, Flat Rock, and Rockwood will notify key department heads to report to their departments to receive instructions from the Wayne County On-Scene EOC. They will mobilize personnel, as necessary.

GENERAL EMERGENCY

The Flat Rock Police Department will notify:

1. The Wayne County Emergency Preparedness Coordinator.

2. The Police Departments of Rockwood and Gibraltar.

3. The Fire Department in Brownstown Township.

4. The Wayne County Emergency Operating Center staff. Refer to Appendix 1 to the Warning Annex for the EOC call list. They will be told to report to the Wayne County On-Scene EOC for activation of the EOC.

5. The Deputy Emergency Preparedness Coordinators from Gibraltar, Flat Rock, and Rockwood will notify key department heads to report to their departments to receive instructions from the Wayne County On-Scene EOC. They will mobilize personnel, as necessary.

MAINTENANCE OF EMERGENCY PREPAREDNESS CAPABILITY

Training

An annual training seminar will be conducted to familiarize Law Enforcement personnel with emergency operational aspects regarding a nuclear power plant incident.

The annual training mission will include education on radiation, dosimetry and exposure control, types of incidents that could occur at the plant, protective action requirements, general state, local, federal, and plant responses, and specific departmental responsibilities and procedures. The Wayne County Emergency Operations Plan will be explained, and its use discussed.

This annual training seminar will serve as the periodic retraining required of Law Enforcement personnel since Law Enforcement personnel and mutual aid support groups will be included.

Drills and Exercises

A small-scale exercise will be held annually for the emergency preparedness jurisdictions within the Enrico Fermi ten mile Emergency Planning Zone. Law enforcement personnel may participate in this exercise, as needed. Following the exercise, an opportunity will be made available for questions, comments and discussion. The Law Enforcement Operations Officer will take these comments and the results of the exercise under consideration in complying with his responsibility in maintaining and updating the Law Enforcement Appendix to the Wayne County Emergency Operations Plan (EOP).

A major exercise will be held as required in the Primary Emergency Planning Zone for Enrico Fermi when required. Law enforcement will participate in this exercise.

ACCESS CONTROL POINTS AND PROCEDURES

Major access control points around the ten mile Primary Emergency Planning Zone in Wayne County include:

The following points will be staffed by police officers or auxiliary members of the Flat Rock Police:

Gibraltar and Erie Streets
Vreeland and Telegraph (M-24)
Vreeland and Cahil
Will Carleton and Telegraph (M-24)
Vreeland and Hall

The following points will be staffed by Gibraltar Police:

Fort (M-85) and Vreeland (southbound)
West Jefferson and Vreelard

Staffing of the following points in Brownstown Township will be accomplished through mutual aid:

Allen Road and Vreeland
Allen and Gibraltar

The following freeways will be controlled:

All southbound ramps on I-75 south of West Road
I-275 (southbound) at Will Carleton (eastbound)

The Law Enforcement Operations Officer will coordinate access control personnel at major arteries requiring access control.

If any of these points falls with a municipality with a police department, the local department will provide staffing, as coordinated by the Law Enforcement Operations Officer. Local police department personnel may also be used at access control points outside their jurisdiction, as necessary and coordinated by the Law Enforcement Operations Officer.

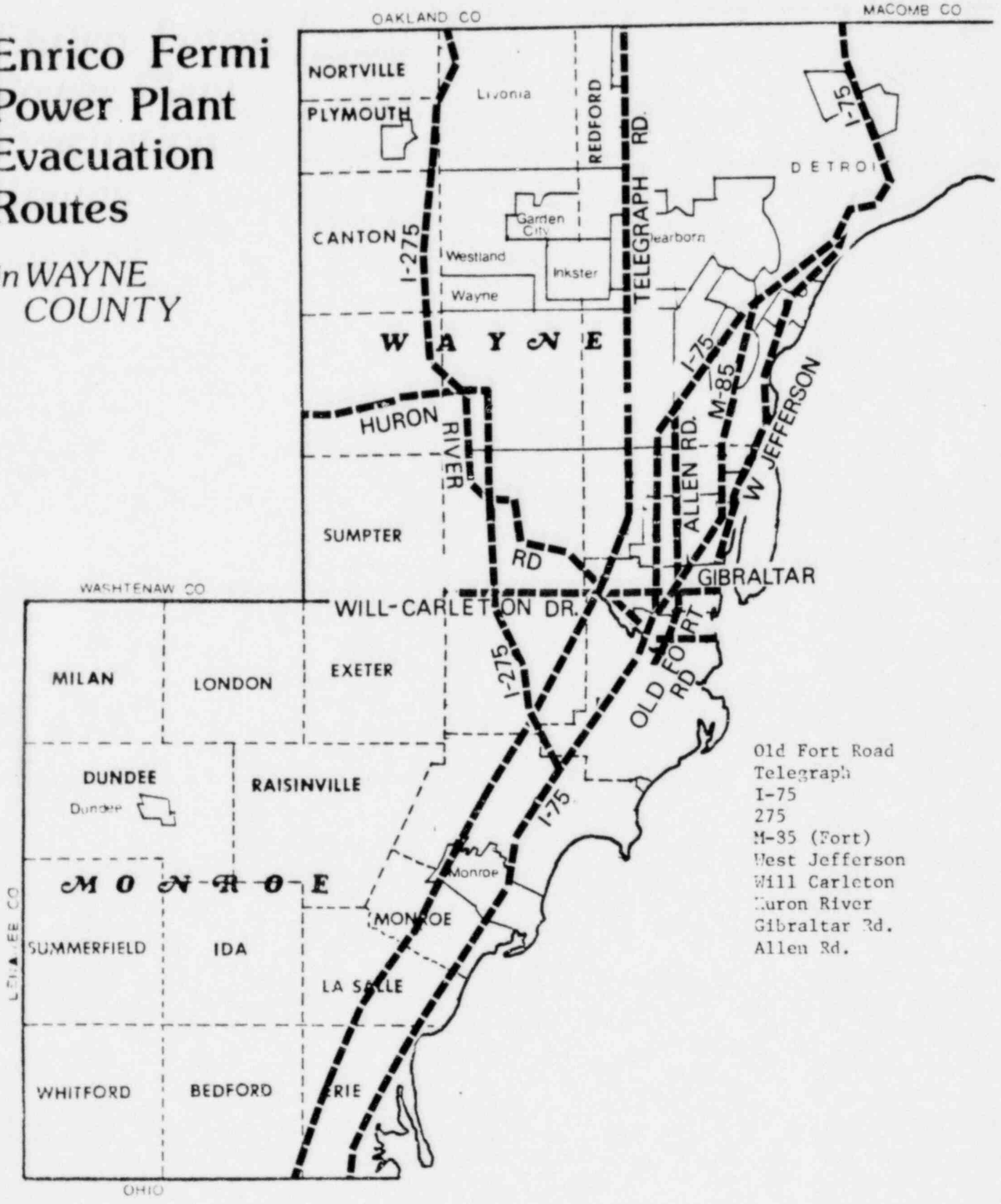
The Michigan State Police will provide supplemental personnel for access control when mobilized.

The Road Commission and public works departments will assist law enforcement in placing barricades at secondary access control points not requiring staffing.

The Coast Guard will control access to the area by water, as coordinated by the Law Enforcement Operations Officers in Wayne and Monroe Counties. This includes the Detroit River and Lake Erie.

Enrico Fermi Power Plant Evacuation Routes

in WAYNE COUNTY



Old Fort Road
Telegraph
I-75
275
M-35 (Fort)
West Jefferson
Will Carleton
Huron River
Gibraltar Rd.
Allen Rd.

EVACUATION TIME ESTIMATES*

The following information is an estimate of the time required to evacuate the Enrico Fermi Primary Emergency Planning Zone. It is based on a normal weather, work day situation in which a means of prompt notification is used. The purpose is to estimate, on a conservative basis, the maximum time required for the entire population to leave the ten-mile radius around the plant. Time required to evacuate is divided into categories of notification, departure from work, arrival at home, preparation of evacuation and actual evacuation. After this has taken place, registration and sheltering will be accomplished in a greater time frame. Several assumptions are present in this study. Family members will be reunited at home before evacuating. Motorists will utilize privately-owned vehicles in leaving the area and will take the most direct route available. Traffic control and direction at some key locations will help balance the traffic volumes on the evacuation routes and normal traffic flow will be observed.

Times measured are from the beginning of notification until all the population voluntarily leaving the area has done so. The critical time element exists with the privately transported population. Institutionalized and other persons requiring specialized transportation can be evacuated in considerably less time. Only primary evacuation routes are considered. Population using secondary roads will shorten time estimates somewhat.

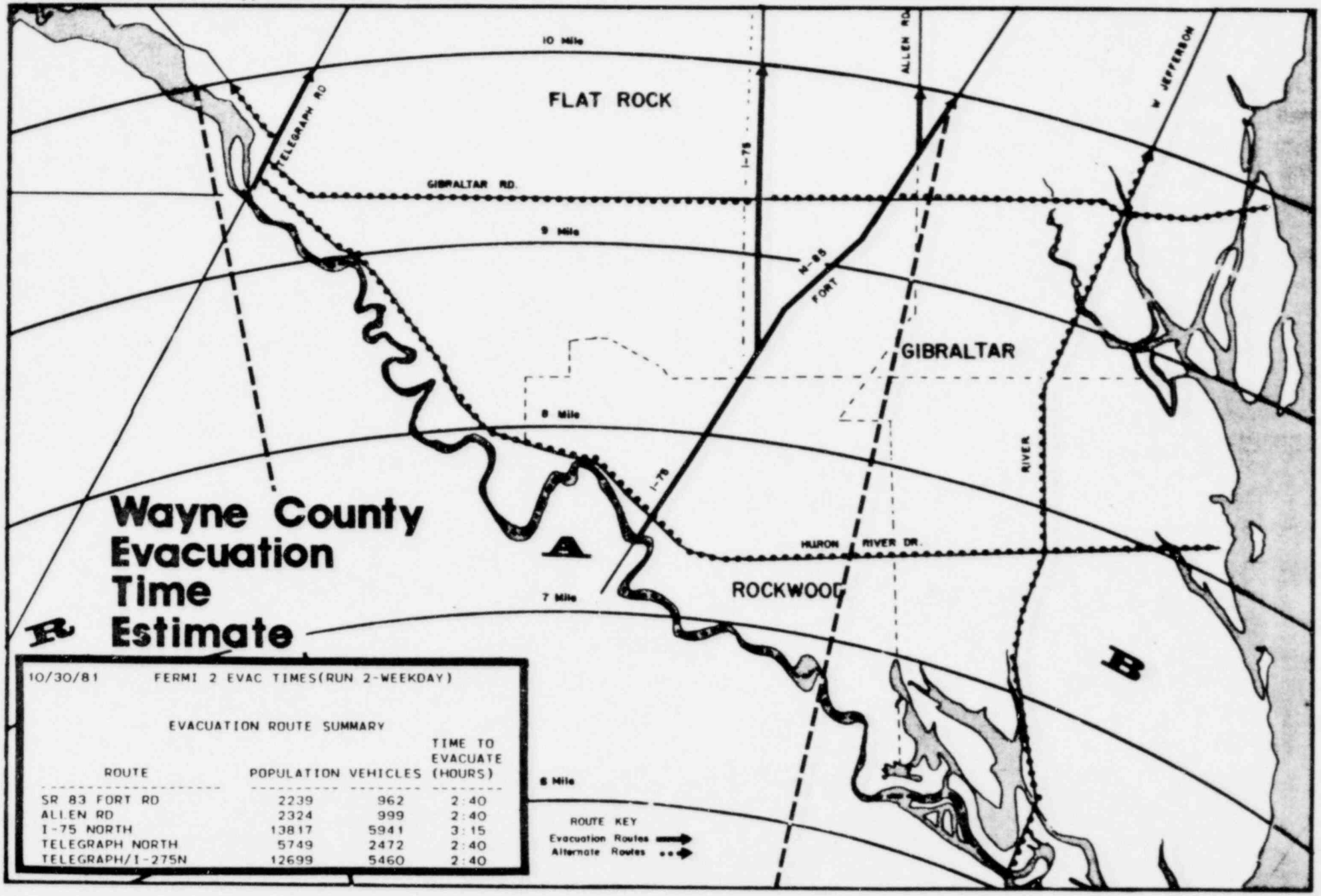
Time Elapsed from Start of Notification	Percentage of Population that has Received Notification
15 Minutes	10
20 Minutes	20
25 Minutes	50
30 Minutes	80
35 Minutes	90
40 Minutes	95
45 Minutes	100

Time Elapsed from Receipt of Information	Percentage of Population that has Left Work
10 Minutes	50
15 Minutes	80
20 Minutes	95
25 Minutes	100

Time Elapsed After Leaving Work	Percentage of Population that has Arrived Home
5 Minutes	50
10 Minutes	80
15 Minutes	90
20 Minutes	100

*Data extracted from PRC Voorhees' Study, "Preliminary Estimate of Evacuation Times," October, 1980

Time Elapsed After Reaching Home	Percentage of Population that has Left Home
15 Minutes	10
20 Minutes	15
25 Minutes	25
30 Minutes	40
35 Minutes	55
40 Minutes	80
45 Minutes	85
50 Minutes	90
55 Minutes	95
60 Minutes	98
90 Minutes	100



10/30/81 FERMI 2 EVAC TIMES(RUN 2-WEEKDAY)

EVACUATION ROUTE SUMMARY

ROUTE	POPULATION	VEHICLES	TIME TO EVACUATE (HOURS)
SR 83 FORT RD	2239	962	2:40
ALLEN RD	2324	999	2:40
I-75 NORTH	13817	5941	3:15
TELEGRAPH NORTH	5749	2472	2:40
TELEGRAPH/I-275N	12699	5460	2:40

APPENDIX 1, NUCLEAR FACILITY PROCEDURES,

TO THE FIRE ANNEX

Mitchell Kozak,
Wayne County Emergency
Preparedness Coordinator

Donald Herrman, Chairman
Downriver Mutual Aid-Fire

Date

I. PURPOSES

A. To support the Fire Annex to the Wayne County Emergency Operations Plan.

B. To establish procedures to involve the fire services in the event of a nuclear facility incident at Enrico Fermi Atomic Power Plant, Unit 2.

II. CONCEPT OF OPERATIONS

A. When a nuclear incident occurs at the Enrico Fermi Atomic Power Plant, the Chairman or his alternate of the Downriver Fire Mutual Aid will be notified according to the procedures established in Attachment A. He will then be responsible for notifying the rest of the Mutual Aid Fire Departments.

B. In the event, the Chairman of the Wayne County Board of Commissioners declares a State of Emergency, thereby activating the Emergency Operations Plan, the Chairman of Downriver Fire Mutual Aid or his designee will take his place in the Wayne County On-Scene Emergency Operating Center as the Fire Operations Officer.

C. The Fire Operations Officer is responsible for providing the services listed in Section IV of this Appendix. From the County On-Scene EOC he will coordinate the implementation of these tasks. He will gather the most accurate and current information available on the incident, and disseminate it to the rest of the Downriver Mutual Aid group.

D. The Fire Operations Officer will maintain close contact with the Downriver Mutual Aid group through direct communications available at the County On-Scene EOC to ensure operations are being accomplished.

E. The Secretary/Treasurer or his designee has been designated as the alternate Fire Operations Officer to provide relief at the EOC on a 12-hour shift basis.

F. The Fire Operations Officer and his alternate will be designated from one of the communities near or within the Primary Emergency Planning Zone at the time of the incident. The Chairman will make this designation.

III. ORGANIZATION

A. The Chairman of the Wayne County Board of Commssioners has the responsibility to direct the disaster relief forces of the County in time of emergency. The Fire Operations Officer will support the Chairman in carrying out the responsibilities established in this Appendix.

B. The Fire Operations Officer will coordinate the disaster relief forces dealing with fire.

C. Each of the individual fire departments will direct their operations according to day-to-day procedure. However, the Fire Operations Officer will coordinate the fire department involvement from the County On-Scene EOC so that a coordinated response takes place among the departments involved.

D. In the event the Governor declares a State of Disaster under P.A. 390, the fire operations will become part of the state-wide disaster relief effort.

IV. TASKS AND EXECUTION

A. Upon notification of a nuclear power plant incident through the Flat Rock Police Department dispatch the following actions will be implemented by the Fire Operations Officer, as appropriate:

1. Notify fire services personnel according to the Notification, Alert, and Mobilization Procedures found in Attachment A.

2. Coordinate the fire departments' assistance in warning the population with the Warning Officer. See the Warning Appendix for more details on how the fire departments will be used for this purpose.

3. Ensure that fire personnel are performing emergency worker exposure control and decontamination functions. See Attachments C and D for details. Coordinate with the Radiological Defense Officer for these tasks.

4. Assist the Law Enforcement Operations Officer with traffic control as priorities permit.

5. Distribute dosimeters to emergency workers that may be involved in warning or other tasks in the affected area. One representative from each community (a fireman) will report to the Wayne County On-Scene EOC (Flat Rock Municipal Building) to receive his community's allotment of dosimeters. Refer to the Radiological Defense Appendix for further detail.

6. Refer to the Mutual Aid Resource Manual for an updated list of resources.

V. ADDENDA

A. Notification, Alert and Mobilization Procedures

B. Maintenance of Emergency Preparedness Capability

C. Emergency Worker Exposure Control Procedures

D. Decontamination Procedure for Public Decontamination Centers

PROCEDURES FOR NOTIFICATION, ALERT, AND MOBILIZATION

The Wayne County warning entry point will trigger notification when an incident occurs that may be classified as one of the four emergency action levels. The Fire Operations Officer will notify, alert, and mobilize personnel based on the following nuclear incident classes:

NOTIFICATION OF UNUSUAL EVENT

The Fire Operations Officer will not be notified of an unusual event due to the minimal operational response required of the Fire Services.

ALERT

The Fire Operations Officer will be notified.

The Fire Operations Officer will notify the chiefs of the Downriver Mutual Aid, and he will place them on stand-by alert. Refer to the Downriver Mutual Aid Resource Manual for telephone numbers.

The Fire Operations Officer will proceed to the Wayne County On-Scene EOC to coordinate fire response activities.

SITE AREA EMERGENCY

The Fire Operations Officer will be notified upon designation of site area emergency class.

The Fire Operations Officer will notify the chiefs of the Downriver Mutual Aid, and place them on stand-by except for Gibraltar, Flat Rock, and Rockwood, who will be mobilized. They will report to their appropriate stations and wait for further instructions. Refer to the Downriver Mutual Aid Resource Manual for telephone numbers.

Fire personnel may be mobilized immediately for population warning if protective actions are necessary. The district(s) where warning is necessary will mobilize first with adjacent districts providing assistance as needed, (as coordinated by the Warning Officer through the Fire Operations Officer).

GENERAL EMERGENCY

The Fire Operations Officer will follow the procedures as outlined under the "Site Area Emergency" class above.

MAINTENANCE OF EMERGENCY PREPAREDNESS CAPABILITY

An annual training seminar will be conducted to familiarize Downriver Mutual Aid Fire Services personnel with emergency operational aspects regarding a nuclear power plant incident. This will be held at one of the regularly scheduled Downriver Fire Mutual Aid meetings.

The annual training mission will include education on radiation, types of incidents that could occur at the plant, protective action requirements, general state, local, federal, and plant responses, and specific departmental responsibilities and procedures. The Wayne County Emergency Operations Plan will be explained, and its use discussed. Emergency Operating Center Standard Operating Procedures will also be described.

This annual training seminar will serve as the periodic retraining required of Fire Services personnel since all Downriver Mutual Aid Fire Service members will be included. It will be held in conjuction with the required annual exercise.

A small-scale exercise will be held annually within the Enrico Fermi Primary Emergency Planning Zone. The Fire Operations Officer may participate in this exercise, as necessary. Following the exercise, an opportunity will be made available for questions, comments and discussion. The Fire Operations Officer will take these comments and the results of the exercise under consideration in complying with his responsibility in maintaining and updating the Fire Appendix to the Wayne County Emergency Operations Plan (EOP).

A major exercise will be held as required within the Enrico Fermi Primary Emergency Planning Zone. The Fire Services will participate in this exercise.

EMERGENCY WORKER EXPOSURE CONTROL PROCEDURES

The fire departments at Flat Rock, Rockwood, and Gibraltar will be used to monitor emergency workers for radiation exposure. These will be operated on a 24-hour basis.

When an emergency worker's shift ends, he/she will go to his designated station to get his dosimeter read and to turn in his permanent record film badge.

A fireman, and a recorder will be present at each station to read the dosimeters, record the data, and forward it to the Radiological Defense (RADEF) Officer in the EOC.

At the time of the incident, the RADEF Officer will brief them on procedures to follow.

Each department will establish work shifts to maintain 24-hour operations. A fireman from the station will be present at all times. Assistance at these stations will be provided by the Downriver Mutual Aid-Fire.

If any emergency worker has reason to believe he has received an excessive amount of radiation, he will be instructed to report directly to his designated station. If a fireman finds an emergency worker has accumulated a dose beyond the limits established, he will immediately call the RADEF Officer for further instructions. Emergency worker exposure limits can be found in the RADEF Appendix. Decontamination procedures can be found in the Health/Medical Appendix.

The Department of Social Services will coordinate the provision of extra clothing at these stations. Contaminated clothing will be stored in one location away from traffic. The Michigan Department of Public Health will coordinate its disposal.

The fire stations will be set up to allow emergency workers to take showers if they have received some contamination.

A team of firemen at these stations will hose down the vehicles of emergency workers that have been contaminated, according to Michigan Department of Public Health guidance.

DECONTAMINATION PROCEDURES FOR PUBLIC DECONTAMINATION CENTERS

Decontamination centers may be established at school locations for decontamination of the general population during an evacuation. Refer to the School Appendix for a list of potential locations. The establishment of these centers will be dependent on the wind direction for their location and the type of accident for the necessity of establishing them.

Fire personnel from the district(s) in which the decontamination center(s) is located will be present to decontaminate (hose down) the private vehicles of the public that may be contaminated. Alternate fire personnel will be provided through the Downriver Mutual Aid-Fire.

Fire services will bring hoses that they will attach to the fire plugs at these locations. The water pressure attained will serve to decontaminate vehicles. Decontamination of vehicles will be accomplished in a nearby field to allow for the containment material in one area, and to facilitate removal of it at a later time, if necessary.

Radiological Defense monitors will be present to monitor for decontamination, assisted by Michigan Department of Public Health and County Health Department Personnel.

APPENDIX 1, NUCLEAR FACILITY PROCEDURES,

TO THE HEALTH AND MEDICAL ANNEX

Mitchell B. Kozak, Coordinator
Wayne County Emergency Preparedness

Dennis J. Dilworth, Director,
Wayne County Health Department

Date

Appendix 1 (Nuclear Facility Procedures) to the Emergency Health and Medical Services Annex

I. PURPOSES

A. To support the emergency health/medical services annex.

B. To coordinate the emergency health and medical resources required to protect the public in the event of a nuclear facility incident at the Enrico Fermi Atomic Power Plant.

C. To identify consultants that can be used in a radiological emergency.

D. To describe the conditions under which radio-protective drugs will be issued to emergency workers and the general public.

E. To list the actions to be taken to protect persons with impaired mobility in the event of a nuclear facility incident.

F. To identify the hospitals that have an agreement with the nuclear facility to care for victims of a nuclear incident, and all other hospitals, nursing homes, and extended care facilities.

G. To identify the ambulance services and other transportation means which will be used to transport exposed persons.

H. To indicate the present training programs that are applicable to nuclear facility incidents.

I. To describe the medical/hospital emergency drills to be conducted.

J. To show the Wayne County Health Department's response for contamination.

II. CONCEPT OF OPERATION

A. The execution of the assignments of this appendix will be under the direction of the Director of the Wayne County Health Dept.

B. The Director will be responsible for mobilizing and coordinating all health and medical resources to respond promptly to a nuclear facility incident. The Director or his designee will do this from the Wayne County On-Scene Emergency Operations Center as the Health Operations Officer.

C. The emergency actions that the Director will be responsible for implementing and the four levels of classification are shown on Attachment A. This includes actions for notification and mobilization of personnel.

III. ORGANIZATION

A. See Attachment C - Organizational Chart.

IV. TASKS AND EXECUTION

A. Tasks

1. Consultants that can be used in a nuclear facility emergency are shown on Attachment D.

2. The Michigan Department of Public Health Criteria for use of radio-protective drugs to be administered to emergency workers and the general public is shown on Attachment H. The MDPH maintaines a quanity of potassium iodide at its central office. When an incident occurs this supply will be transported to the local area. The Director of the county health department will distribute the drugs.

3. The following actions will be taken to protect the physically handicapped/impaired mobility in conjunction with Social Services and/or the local police department.

   (a) Identify the medically impaired within the area of concern.
   (b) Move the medically impaired from the area of concern using school bus or other public transportation. Coordinate with the Intermediate School District.
   (c) If persons in the category cannot be moved they will be advised to take the following actions.

      (1) Turn off air conditioners.
      (2) Seal windows and doors.
      (3) Use self-contained breathing equipment if applicable.
      (4) The use of radio-protective drugs will be considered based on the advice of the Michigan Department of Public Health.

4. The hospitals that have agreed to care for radiological exposed victims are listed on Attachment I. The other hospitals, nursing homes, and extended care facilities are also listed on Attachment I. These are support facilities outside of the 10 mile area.

5. Ambulance services and other medical transportation will be coordinated by the Director.

6. Attachment H shows the training programs and sponsors available to maintain the emergency preparedness capability of health and medical personnel.

7. The criteria and decisional aid for decontamination is shown in Attachment J. The Office of Emergency Preparedness (OEP) will establish decontamination centers as necessary. The County Health Department is responsible for providing health care staffing.

8. At congregate care centers, the County Health Department will assure food and water is sanitary.

9. The Mental Health Board in cooperation with Social Services will be available for contact and coordination during the disaster to aid and counsel people.

10. The Director will ensure that public health emergency workers working in an area where they could be exposed are issued dosimeters. He will coordinate with the Radiological Defense Officer in designating a fire station where the emergency workers will report to receive their dosimeters. Refer to the Radiological Defense Appendix for more details. The Director will control exposure to workers under his coordination. Refer to the Radiological Defense Appendix for exposure control criteria.

11. Provide all other health and medical support which is outlined in the Emergency Health and Medical Services Annex.

B. Communitcations

1. Hospital and ambulance communication will be coordinated through the MEDCOM System utilizing HEMS radio. Basic communications between field teams and the Wayne County On-Scene EOC will be by telephone. The MEDCOM System could provide backup radio support.

2. Augmented radio communications will be with the use of Police Radio, Amateur Radio Service, Citizen Band Services, Civil Air Patrol, and in cooperation with the County Emergency Preparedness Communications Officer.

C. Execution

1. When notified by the Wayne County warning entry point of an incident at the nuclear facility the Health Director or his designate will gather his staff, brief them and make assignments in accordance with Attachment A as necessary.

2. Upon declaration of a state of emergency by the Chairman of the Board of Commissioners, the Director or his designate will coordinate health services from the Wayne County On-Scene Emergency Operating Center.

3. Upon the declaration of a state of emergency by the Chairman of the Board of Commissioners, the Chairman will direct the disaster relief forces of the county in accordance with Act 390. Upon the declaration of a state of disaster by the Governor also under Act 390, the health and medical services will become part of the total statewide relief effort.

V. ADDENDA

A. Notification, Alert and Mobilization Procedures

B. Maintenance of Emergency Preparedness Capability

C. Organizational Chart

D. Consultants for use in a Nuclear Facility Incident

E. Protective Action Guides for Contaminated Human and Animal Food

F. Protective Action Guides for Drinking Water

G. Protective Action Guides for External and Inhalation Exposure

H. Criteria for Use of Thyroid-Blocking Drugs

I. Hospitals and Ambulance Services Accepting Radiation Injuries

J. Decontamination Criteria and Procedures

Attachment A to Appendix 1 (Nuclear Facility Procedures) to the Health and Medical Annex

NOTIFICATION, ALERT, AND MOBILIZATION PROCEDURES

When notification is received from the Wayne County warning entry point of an incident at the nuclear power plant, the following actions will be implemented under each class by the Director of the Health Department.

UNUSUAL EVENT

1. The Health Department will not be notified.

2. No action required.

ALERT

1. Notify key division heads and advise them of status.

2. Alert to standby key emergency personnel, and make team assignments.

3. Direct the Health Operations Officer to report to the Wayne County On-Scene EOC.

4. Review departmental response procedures.

5. Get up-to-date meteorological data from plant site and National Weather Service for use in determining the possible hazard. Initially, Air Pollution Control Division will do this. Once the On-Scene State EOC is activated this will be handled by the state. Coordinate with the Radiological Defense Officer in accomplishing this task.

6. Assist the Radiological Defense Officer in determining the area of potential hazard. Follow the recommendations of the plant initially, then the state, when activated.

7. Alert hospitals, nursing care facilities, homes for the aged and ambulance services in the Primary Emergency Planning Zone or those that may become involved through the provision of services. Activate the medical communications system.

8. Provide health/medical related information to the Wayne County Public Information Officer.

9. Secure sources of potassium iodide for workers and the public as necessary. Review distribution procedures.

10. Assist the Emergency Preparedness Coordinator in determining the location for decontamination centers as needed. Refer to the School Appendix for a list of potential decontamination centers.

11. Maintain communication with Michigan Department of Public Health at State EOC in Lansing initially and with the On-Scene EOC once it is activated. Advise of actions being taken by the Wayne County Health Department.

12. Maintain alert status until closeout or escalation to a more severe class or reduction to the unusual event status.

SITE AREA EMERGENCY

1. Notify key division heads and advise them of status.

2. Alert to standby key emergency personnel, and make team assignments.

3. Direct the Health Operations Officer to report to the Wayne County On-Scene EOC.

4. Review departmental response procedures.

5. Get up-to-date meteorological data from plant site and National Weather Service for use in determining the possible hazard. Initially, Air Pollution Control Division will do this. Once the On-Scene State EOC is activated this will be handled by the state. Coordinate with the Radiological Defense Officer in accomplishing this task.

6. Assist the Radiological Defense Officer in determining the area of potential hazard. Follow the recommendations of the plant initially, then the state, when activated.

7. Alert hospitals, nursing care facilities, homes for the aged and ambulance services in the Primary Emergency Planning Zone or those that may become involved through the provision of services. Activate the medical communications system.

8. Have hospitals within the Primary Emergency Planning Zone cease elective surgery, discharge noncritical patients, and prepare to evacuate or receive patients.

9. Direct ambulance services to standby to assist with evacuation of hospitals, nursing care facilities, or homes for the aged, if required.

10. Establish radio communications between hospitals, ambulance services, and the EOC using MEDCOM or other means of communications.

11. Provide health and medical services related public information to general public through the Public Information Officer.

12. Work with social services in selecting congregate care centers.

13. Provide personnel to staff decontamination centers, if necessary. Assist RADEF Officer by providing guidance and health care staff at decontamination centers for the public and emergency workers.

14. Consider dispensing potassium iodide. Coordinate with the Michigan Department of Public Health.

15. Advise State EOC and On-Scene State EOC of the site emergency status actions being taken by the local health department.

16. Maintain site area emergency status until closeout, escalation to a more severe class, or reduction to an alert status.

GENERAL EMERGENCY

1. Notify key division heads and advise them of status.

2. Alert to standby key emergency personnel, and make team assignments.

3. Direct the Health Operations Officer to report to the Wayne County On-Scene EOC.

4. Review departmental response procedures.

5. Get up-to-date meteorological data from plant site and National Weather Service for use in determining the possible hazard. Initially, Air Pollution Control Division will do this. Once the On-Scene State EOC is activated this will be handled by the state. Coordinate with the Radiological Defense Officer in accomplishing this task.

6. Assist the Radiological Defense Officer in determining the area of potential hazard. Follow the recommendations of the plant initially, then the state, when activated.

7. Alert hospitals, nursing care facilities, homes for the aged and ambulance services in the Primary Emergency Planning Zone or those that may become involved through the provision of services. Activate the medical communications system.

8. Advise the School Operations Officer of the requirements for additional transportation to transfer patients if necessary and evacuation is ordered.

9. Augment and replace Health Operations Officer at the County On-Scene EOC, as required.

10. Recommend workers take Potassium Iodide, and make it available for general public as necessary.

11. Ensure persons needing special medical care are removed from the hazard area or protective actions have been taken to protect them. This should be coordinated with social services.

12. Ensure the Congregate Care facilities have been inspected and the teams are at their duty stations, if evacuation is ordered.

13. Ensure that teams at emergency worker and public decontamination centers are on duty to handle health related functions, if activated.

14. Coordinate with the Radiological Defense Officer and the state in recommending placing milk animals located within ten (10) miles on stored feed.

15. Continuously evaluate information from plant site, state officials, and offsite county radiological monitoring with regard to changes to protective action already initiated.

16. Advise the Michigan Department of Public Health of the general emergency status actions being taken by the local health department.

17. Maintain general emergency status until closeout or reduction to a lower status.

MAINTENANCE OF EMERGENCY PREPAREDNESS CAPABILITY

The health and medical services agencies participate in frequent training programs to fulfill their daily responsbilities. These include various EMT training programs and hospital drills.

In addition, each agency that may participate in a nuclear facility response will conduct annual training to ensure the capability of their staff. This training may be held in conjunction with the Detroit Edison Company and the state.

It will serve as the periodic retraining required of the county operational groups. This seminar will include education on radiation, types of incidents that could occur at the plant, protective action requirements, local, state, federal, and plant response as well as specific departmental responsibilities and procedures. The county emergency preparedness plan will be explained and its use discussed.

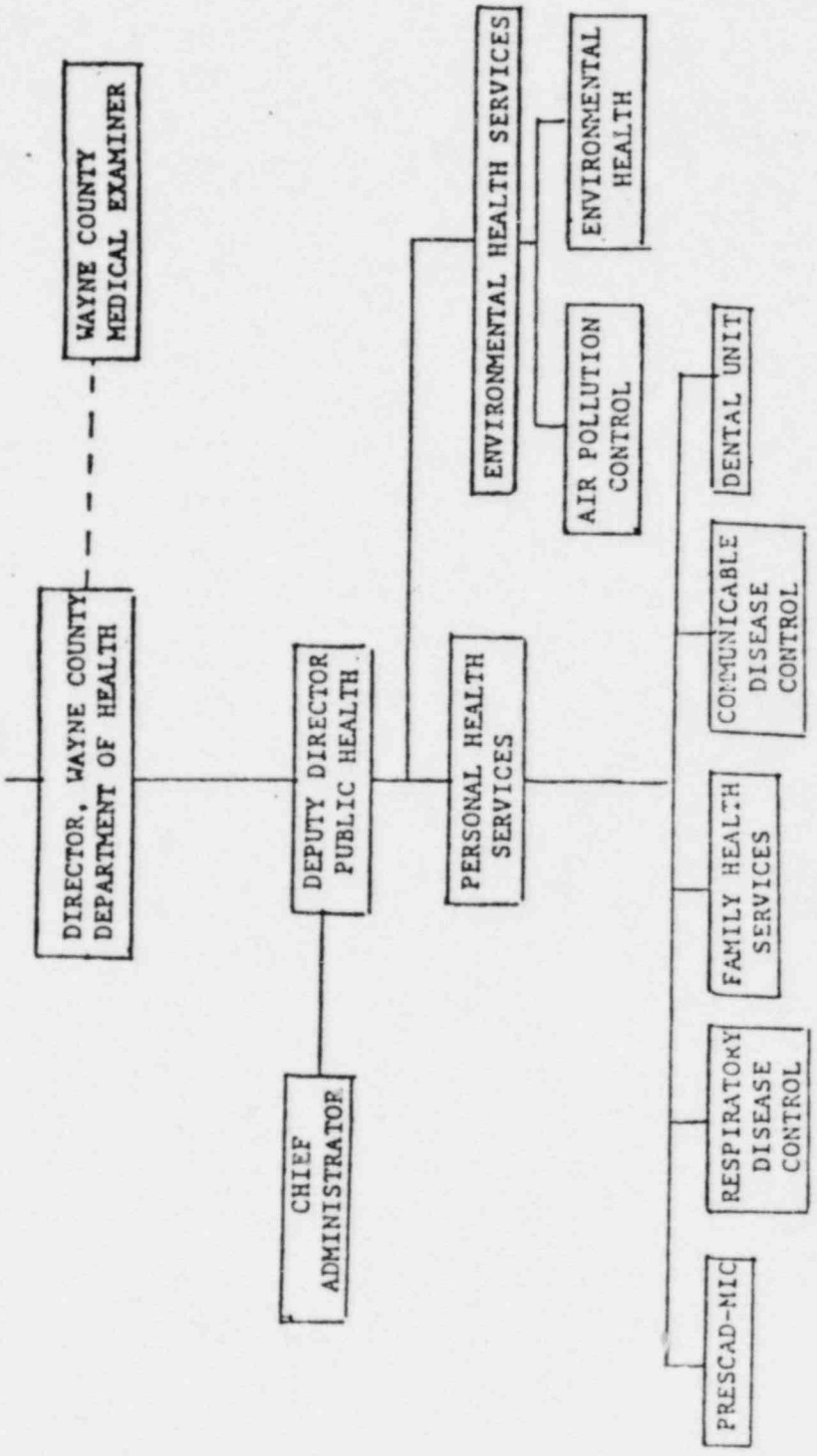
A medical emergency drill involving a simulated contaminated individual will be held with participation by local support services agencies annually. This drill may be held as part of the required annual exercise.

Each year a small scale exercise will be conducted within the Primary Emergency Planning Zone of Fermi to test the integrated capability and major portions of the basic elements of the county emergency preparedness plan.

Major exercises within the Primary Emergency Planning Zone of Fermi will be conducted as required.

Following a drill/exercise, an opportunity will be made available for a critique. The results of the critique and lessons learned in the drill/exercise will be used to upgrade the health annex to the county emergency preparedness plan.

ORGANIZATIONAL CHART



Attachment D to Appendix 1 (Nuclear Facility Procedures) to the Health and Medical Annex

CONSULTANTS FOR USE IN A NUCLEAR FACILITY INCIDENT

NAME	ADDRESS
Michigan Department of Public Health Division of Radiological Health	3500 N. Logan P.O. Box 30035 Lansing, MI 48909
Hoyt Whipple, Ph.D., School of Public Health	University of Michigan 109 Observatory Street Ann Arbor, MI 48109
Arnold P. Jackson, Ph.D., School of Public Health	University of Michigan 109 Observatory Street Ann Arbor, MI 48109
Roger Sinderman, Ph.D., Consumers Power Company	212 W. Michigan Ave. Jackson, MI 49201
Robert English, Ph.D., Consumers Power Company	212 W. Michigan Ave. Jackson, MI 49201
Fred A. Mettler, Jr., M.D. Director of Cancer Research	University of New Mexico Albuquerque, NM 87131
Richard D. Cummings Health Physics, Radiation Central	Wayne State Universtiy 645 Mullet Detroit, MI 48224
Warren Melchman, Director Dept. of Radiation Chemical & Biological Safety	Michigan State University D-9 Fee Hall East Lansing, MI 48824
Environmental Research Group (Environmental Sampling)	117 N. First Street Ann Arbor, MI 48104
Radiation Management Corporation (Mobile While Body Counting Service)	3356 Commercial NorthBrook, IL
Dr. Donald Zinkon Radiology & Nuclear Medicine	Garden City Hospital 6245 Inkster Road Garden City, MI 48135
Dr. Kenneth Krabberhoff Dept. of Radiology	Detroit Receiving Hospital 4201 St. Antoine Detroit, MI 48201

NOTE: Letters of Agreement are on file with the Michigan Department of Public Health. Telephone numbers are available through internal operating procedures.

Attachment E to Appendix 1 (Nuclear Facility Procedures) to the Health and Medical Annex

PROTECTIVE ACTION GUIDES FOR CONTAMINATED HUMAN AND ANIMAL FOOD

PROJECTED DOSE (REM) TO INDIVIDUALS IN THE POPULATION	PROTECTIVE ACTIONS
WHOLE BODY, BONE MARROW OR OTHER ORGAN 5 and above	The Department of Agriculture with the assistance of the Department of Public Health will isolate food containing radioactivity to prevent its introduction into commerce and determine whether condemnation or another disposition is appropriate.(1)
THYROID(3) 15 and above	The Department of Public Health in coordination with the Department of Agriculture will monitor food, especially milk, as required.
WHOLE BODY, BONE MARROW OR OTHER ORGAN (2) 0.5 to less than 5	The Department of Agriculture in coordination with the Department of Public Health will divert, condemn or dispose of food and issue advisories regarding home-grown foods as necessary. (1)
THYROID(3) (2) 1.5 to less than 15	The Department of Public Health in coordination with the Department of Agriculture will monitor food, especially milk as required.
WHOLE BODY, BONE MARROW OR OTHER ORGAN Less than 0.5	No protective action required.
THYROID(3) Less than 1.5	The Department of Public Health in coordination with the Department of Agriculture will monitor food, especially milk, as required.

(1) Factors for consideration: (i) the availability of other possible protective actions, (ii) Relative proportion of the total diet by weight represented by the item in question, (iii) The importance of the particular food in nutrition and the availability of uncontaminated food or substitutes having the same nutritional properties, (iv) The relative contribution of other foods and other radionuclides to the total projected dose, (v) The time and effort required to effect corrective action.

(2) The lower value is a level at which the Department of Agriculture in coordination with the Department of Public Health will consider initiating the suggested protective action, particularly the milk pathway. The higher value is a level at which effective action will be taken to protect the general public unless the action would have greater risk than the projected dose.

(3) The newborn infant is the critical segment of the population for iodine-131.

Attachment F to Appendix 1 (Nuclear Facility Procedures) to the Health and Medical Annex

PROTECTIVE ACTION GUIDES FOR DRINKING WATER

There is no known federal guidance for drinking water contamination in an emergency. Because of the nature of the source, contamination of a groundwater source is very unlikely, but a nuclear incident could easily result in contamination of a surface water source of drinking water. Such sources are usually used by community water supplies rather than by individuals.

Since each community water supply is used by a large number of people, a low individual dose from contamination might result in a large total dose commitment, as in the Table below. On the other hand, ingestion is relatively easy to restrict, and therefore the relatively strict 10CFR-20, Appendix B, Table II limits will be applied, whenever possible.

Projected Concentration for a Community Water Supply	*Projected Individual Dose	**Projected Total Dose Commitment	Protective Actions
At or greater than 120 times 10CFR-20, Appendix B, Table II limits	5 rems	50,000 person-rems	The Department of Public Health will monitor and will restrict use of the supply for drinking water
From 1 to 120 times the 10CFR-20, Appendix B, Table II limits	0.04 to 5 rems	411 to 50,000 person-rems	The Department of Public Health will monitor and will advise that the supply not be used for drinking water.
Below 10CFR-20, Appendix B, Table II limits	Less than 0.04 rem	Less than 411 person-rems	The Department of Public Health will monitor the supply until concentrations drop below 40CFR-141 limits.

* 30 day usage assumed
** 30 day usage by a 10,000 person supply assumed

Protective Actions noted will depend upon an alternative supply of drinking water and water for sewage purposes and upon the duration of the contamination. Identical Protective Actions will be taken for private drinking water supplies.

PROTECTIVE ACTIONS FOR EXTERNAL AND INHALATION EXPOSURE (1)

PROJECTED DOSE (REM) TO INDIVIDUALS IN THE POPULATION	PROTECTIVE ACTIONS
WHOLE BODY 5 and above	The Department of State Police will coordinate and conduct an evacuation or advise sheltering ordered by the Governor. The Department of Public Health will coordinate and perform the monitoring of environmental radiation levels as required.
THYROID (ADULT) 25 and above	The Department of State Police will coordinate access control to avoid unnecessary exposure to individuals.
WHOLE BODY (2) 1 to less than 5	The Department of Public Health will advise individuals to seek shelter and await further instructions. The Department of Public Health will consider advising evacuation, particularly for children and pregnant women.
THYROID 5 to less than 25	The Department of Public Health will coordinate and perform the monitoring of environmental radiation levels as required. The Department of State Police will control access to avoid unnecessary exposure to individuals as required.
WHOLE BODY Less than 1	No protective actions required. The Department of Public Health will consider issuing an advisory to seek shelter and await further instructions or to evacuate.
THYROID Less than 5	The Department of Public Health will coordinate and initiate the monitoring of environmental radiation levels as required.

(1) Protective action decisions at the time of the incident will take into consideration the composition, physical form, duration and direction of the release, possible pathways to the population at risk, meteorological conditions, geography, existing constraints, time available to take action, and use of thyroid blocking agents. Evacuation, shelter and monitoring decisional aids for each nuclear facility are kept on file with the Radiological Health Division. These protective actions and action levels are based on Environmental Protection Agency guidance.

(2) The lower value is a level at which the responsible department will consider initiating the suggested protective action, particularly for children and pregnant women. The higher value is a level at which the responsible department will take effective action to protect the general public unless the action would have greater risk than the projected dose.

Attachment H to Appendix 1 (Nuclear Facility Procedures) to the Health and Medical Annex

CRITERIA FOR USE OF THYROID-BLOCKING DRUGS

PROJECTED DOSE (rem) TO POPULATION		Protective Actions
Thyroid	0 - 10	Establish locations for dispensing thyroid-blocking drugs.
Thyroid	10 and above	Provide thyroid-blocking drugs for persons with impaired mobility, the infirm, and other persons who cannot be evacuated.

PROJECTED DOSE (rem TO EMERGENCY WORKERS		Protective Actions
Thyroid	0 - 10	Issue thyroid-blocking drugs to emergency team members so that the drug is available if needed.
Thyroid	10 and above	Recommend each emergency team worker self-administer thyroid-blocking drugs.

When the decision has been made to administer thyroid-blocking drugs to emergency workers and the general public, the following guidelines will apply:

1. TABLETS: Adults and children (one year or older) one tablet (130 mg) once a day (tablets should be crushed for small children).

   Babies under one year of age, one-half (1/2) tablet (65 mg) once a day (tablets should be crushed for babies)

2. LIQUID: Adults and children (one year and older) add six (6) drops to one-half (1/2) glass of any liquid and drink once a day.

   Babies under one year of age, add three drops to a small amount of water or milk once a day.

3. Thyroid-blocking drugs should be taken each day for ten days unless directed otherwise.

4. Each person will be given a copy of the patient package insert provided by the manufacturer.

5. A roster of those individuals receiving thyroid-blocking drugs will be prepared by the Health Department representative issuing the drugs. The Director of the Health Department will be responsible for maintaining a file for the others.

Attachment I to Appendix 1 (Nuclear Facility Procedures) to the Health and Medical Annex

HOSPITALS AND AMBULANCE SERVICES ACCEPTING RADIATION INJURIES

Ambulance Service Having Agreement With Facility*

EMTS Inc., Ambulance (in Monroe Co.)

Hospitals Having Agreement with Facility*

FACILITY	ADMINISTRATOR	PHONE
Seaway Hospital	Jane McCormick	676-7000
University Hospital (Ann Arbor)		

Ambulance Services

Trenton Fire Department	Harry Miller	676-1313
Flat Rock Fire Department		
Woodhaven Fire Department	James Bassett	
Grosse Ile Fire Department	Joseph Miller	
Taylor Ambulance	Larry Perkins	
Gibraltar Fire Department		
Medivac	Detroit Police Helicopter	

Hospitals with Decontamination Units

Detroit Receiving Hospital	Edward Thomas	494-3100
Garden City Osteopathic Hospital	Allen Breakie	421-3300

Other Hospitals Accepting radiatio Injuries

Riverside Osteopathic Hospital	James MacCallum	676-4200
Wyandotte General Hospital	Richard Nadolny	284-2400
Wayne County General Hospital	E.J. Conklin, M.D.	274-3000
Oakwood Hospital	Gerald Fitzgerald	593-7000
Heritage Hospital	Walter Wheeler	

*Letters of agreement are on file with the Detroit Edison Company

DECONTAMINATION CRITERIA AND PROCEDURES

Maximum Allowable Contamination Limits	Alpha (dpm/100cm^2)		Beta-Gamma (mR/hr)(1)(dpm/100 cm^2)	
	Total	Removable	Total	Removable
Skin, Personal Clothing, and Items directly Associated with the Human Body	500	N.D.(2)	0.1	N.D.(2)
Material or Facilities Not Directly Associated with the Human Body	2500 (max)	100	0.2	1000

(1) Measured at 1 cm from the surface
(2) N.D. - Not detectable

1. During an uncontrolled release of radioactive material into the off-site environs the following actions will take place:

   a. Any materials, facilities, or areas not directly associated with the human body which are found to be contaminated above the limits specified above will be designated with signs reading "Caution: Contamination Area". The area will be secured with ropes, etc., and will be considered restricted.

   b. No decontamination of items will be attempted unless such material is to be moved from the restricted area to an unrestricted area.

2. After all uncontrolled releases have ended the following actions will take place:

   a. Most critical areas or those of the most contamination will be decontaminated FIRST. The limits shown above will apply.

   b. The Radiological Defense Officer will coordinate decontamination, with assistance provided by the Health Department and other local agencies.

   c. At relocation/decontamination centers, evacuees who are suspected of having been contaminated will be screened. They will be monitored for skin, clothing, and nasal contamination and for possible thyroid exposure.

      Anyone who has non-removable, above-background radiation levels near the thyroid or a projected thyroid dose greater than 5 rem will be referred to an appropriate radiological facility for determination of actual thyroid exposure.

   d. Decontamination efforts should continue until all affected materials facilities, and areas measure as low as reasonably achievable below the allowable limits specified above.

APPENDIX 1, NUCLEAR FACILITY PROCEDURES,

TO THE ROAD COMMISSION ANNEX

Mitchell Kozak,
Wayne County Emergency
Preparedness Coordinator

Managing Director/
Director of Aviation
Wayne County Road
Commission

Date

I. PURPOSES

A. To support the Road Commission Annex to the Wayne County Emergency Operations Plan.

B. To establish procedures to identify Wayne County Road Commssion functions and those of related agencies in the event of a nuclear facility incident at the Enrico Fermi Atomic Power Plant, Unit 2.

II. CONCEPT OF OPERATIONS

A. When a nuclear incident occurs at the Enrico Fermi Atomic Power Plant the Managing Director/Director of Aviation of the Wayne County Road Commssion will be notified according to the procedures established in Attachment A.

B. In the event the Chairman of the Wayne County Board of Commissioners declares a state of emergency, thereby activating the Emergency Operations Plan, the Managing Director/Director of Aviation or his Designate (Engineer of Maintenance) will take his place in the Wayne County On-Scene Emergency Operating Center as the Road Commission Operations Officer.

C. The Road Commission Operations Officer is responsible for providing the services listed in Section IV of this appendix. From the County EOC he will coordinate the implementation of these tasks. He will gather the most accurate and current information available on the incident and disseminate it to his disaster relief forces in the field.

D. The Road Commission Operations Officer will maintain close contact with the Wayne County Road Commission Central Maintenance Yard through direct communications available at the EOC to ensure operations are being accomplished. He will also have immediate communication available with all other agencies he is responsible for coordinating.

E. The Assistant Engineer of Maintenance has been designated as the alternate Wayne County Road Commission Operations Officer to provide relief at the EOC on a 12-hour shift basis.

III. ORGANIZATION

A. The Chairman of the Wayne County Board of Commissioners has the responsibility to direct the disaster relief forces of the county in time of emergency based on Act 390. The Road Commission Operations Officer will support the Chairman in carrying out the responsibilities established in this appendix.

B. The Road Commission Operations Officer will coordinate the disaster relief forces dealing with Road Commission services. The Department of Public Works of Flat Rock, Rockwood and Gibraltar will participate and provide support as available.

C. Each of these agencies will direct their resources according to day-to-day procedure. However, the Wayne County Road Commission Operations Officer will coordinate the relief effort from the county EOC so that a coordinated response takes place among the agencies involved.

D. In the event the Governor declares a State of Disaster, based on Act 390, all Road Commission and local public works resources will become a part of the total state-wide effort.

IV. TASKS AND EXECUTION

Upon notification of an emergency at the Enrico Fermi Atomic Power Plant through the Wayne County warning entry point, some or all of the following actions will be implemented by the Wayne County Road Commission Engineer of Maintenance based on the initial information received:

A. The Engineer of Maintenance will report to the Wayne County On-Scene EOC for briefing and coordination of response efforts. He will notify personnel according to Attachment A.

B. Distribute dosimeters to Road Commission emergency workers to monitor the amount of radiation they may be exposed to. These will be issued by the Wayne County Radiological Defense Officer at the County On-Scene EOC. Refer to the Radiological Defense Appendix for instructions to give workers on their use of the dosimeters.

C. If evacuation is ordered, coordinate with law enforcement officials in establishing routing patterns for evacuees. Provide traffic control materials, directional signs and personnel to aid in the direction of traffic. See Stores Material Inventory print-out, located at the Wayne County Road Commission Central Maintenance Yard, for available stores resources. See the Law Enforcement Appendix for evacuation routes. See Attachment C for route capacities.

D. Maintain the designated evacuation routes. These routes will be given top priority for snow removal or repair, so as not to cause impediments to travel.

E. Perform heavy rescue operations as coordinated with the Fire Operations Officer.

F. Provide emergency transportation for supplies as coordinated with the EOC.

G. Assist law enforcement in providing equipment and personnel necessary to control access to the evacuated area. See the Law Enforcement Appendix for access control points.

H. If evacuation is ordered, the Wayne County Road Commission will coordinate with the police departments the control of traffic signals to facilitate the movement of traffic.

V. ADDENDA

A. Procedures for Notification, Alert, and Mobilization

B. Maintenance of Emergency Preparedness Capability

C. Evacuation Route Capacities

PROCEDURES FOR NOTIFICATION, ALERT AND MOBILIZATION

The Managing Director will receive notification from the Wayne County warning entry point based on the following emergency action levels. He will notify, alert, and mobilize personnel based on them. Refer to Appendix 1 to the Basic Plan for a description of the meaning of each of these classes.

Usual Event

The Road Commission will not be notified because Road Commission response will not be necessary.

Alert

The Managing Director will receive notification. He will notify the Engineer of Maintenance.

The Wayne County Road Commission Engineer of Maintenance will take his place in the Wayne County On-Scene EOC upon notification of an alert classification. The Engineer of Maintenance will notify those area engineers and supervisors in the potentially affected area and put them on stand-by.

Site Area Emergency

The Managing Director will receive notification. He will notify the Engineer of Maintenance.

The Wayne County Road Commission Engineer of Maintenance will take his place in the Wayne County On-Scene EOC. He will notify affected area engineers and supervisors of the situation. Each supervisor will contact as many as possible of his personnel and have them report to their respective locations. The Engineer will contact each support party and have their personnel placed on stand-by or mobilized as needed.

General Emergency

The Managing Director will receive notification. He will notify the Engineer of Maintenance.

Under a general emergency classification the Wayne County Road Commission Engineer of Maintenance will take his place in the Wayne County On-Scene EOC. He will mobilize all area engineers and supervision and their staffs and alert support parties (private contractors) to mobilize their personnel as needed. He will do this according to the organizational chart shown in the Wayne County Road Commission Annex, Attachment 2A.

MAINTENANCE OF EMERGENCY PREPAREDNESS CAPABILITY

An annual training seminar will be held to familiarize Wayne County Road Commission personnel with emergency operational aspects regarding a nuclear power plant incident.

The annual training mission will include education on radiation and dosimeters, types of incidents that could occur at the plant, protective action requirements, general state, local, federal, and plant responses, and specific departmental responsibilities and procedures. The Wayne County Emergency Operations Plan will be explained, and its use discussed.

This annual training seminar will serve as the periodic retraining required of Road Commission personnel, since all Road Commission staff and support groups will be included.

A small-scale exercise will be held annually as part of this training process. It will involve all jurisdiction within the 10-mile Emergency Planning Zone.

Following the drill, an opportunity will be made available for questions, comments and discussion. The Road Commission Operations Officer will take these comments and the results of the drill under consideration in complying with his responsibility in maintaining and updating the Road Commission Appendix to the Wayne County Emergency Operations Plan (EOP).

A large-scale exercise will be held in the Enrico Fermi Primary Emergency Planning Zone when required. The Road Commission will participate in the exercise.

EVACUATION ROUTE CAPACITIES

Evacuation time estimates are based on generally acceptable route capacities for given road configurations. Twelve hundred cars per lane, per hour is used for typical two-lane roads. Eighteen hundred cars per lane, per hour is used for freeway capacities, and 1,500 cars per lane, per hour is used as the limiting figure for freeway access ramps. These capcities were used in determining evacuation time estimates for the Enrico Fermi Primary Emergency Planning Zone. Refer to the Law Enforcement Appendix for these estimates and route identifications.

APPENDIX 1, NUCLEAR FACILITY PROCEDURES,

TO THE SOCIAL SERVICES ANNEX

Mitchell Kozak,
Wayne County Emergency
Preparedness Coordinator

Robert Little, Director,
Wayne County Department
of Social Services

Date

I. PURPOSES

A. To support the Social Services Annex to the Wayne County Emergency Operations Plan.

B. To establish procedures to provide for basic human physical and emotional needs to residents through:

- o expedient provision of usual and extraordinary welfare services
- o source of information for emergency food, shelter and clothing, and mental health referral
- o coordinating agency of all resources for the provision of emergency food, clothing and shelter.

II. CONCEPT OF OPERATIONS

A. When a nuclear incident occurs at the Enrico Fermi Atomic Power Plant, Unit 2, the Director of the Wayne County Department of Social Services (WCDSS) will be notified according to the procedures established in Attachment A. He will then follow these same procedures in notifying the rest of the Wayne County Social Services emergency organization.

B. In the event the Chairman of the Wayne County Board of Commissioners declares a state of emergency, thereby activating the Emergency Operations Plan, the Director or his designee will take his place in the Wayne County On-Scene Emergency Operating Center as the Social Services Operations Officer.

C. The Social Services Operations Officer is responsible for providing the services listed in Section IV of this appendix. From the EOC he will coordinate the implementation of these tasks. He will gather the most accurate and current information available on the incident and disseminate it to the disaster relief forces in the field.

D. The Social Services Operations Officer will maintain close contact with WCDSS Central Office, 1200 6th, through direct communications available at the EOC to ensure operations are being accomplished. He will also have immediate communication available with all other agencies he is responsible for coordinating.

E. A Zone Three Assistant has been designated as the alternate Social Services Operations Officer to provide relief at the EOC on a 12 hour shift basis.

III. ORGANIZATION

A. The Chairman of the Wayne County Board of Commissioners has the responsibility to direct the disaster relief forces of the county in time of emergency. The Social Services Operations Officer will support the Chairman in carrying out the responsibilities established in this appendix.

B. The Social Services Operations Officer will coordinate the disaster relief forces dealing with Social Services in Wayne County.

C. Each of the agencies involved with the delivery of Social Services will direct their resources according to their day-to-day procedures. However, the Social Services Operations Officer will coordinate the relief effort from the county EOC so that a coordinated response takes place among the agencies involved.

IV. TASKS AND EXECUTION

A. Upon notification of a nuclear plant incident the following actions will be implemented as necessary by the Social Services Operations Officer:

1. The Social Services Operations Officer will, on notification of an alert class of incident, report to the EOC for briefing and coordination of response efforts. The Social Services Operations Officer will notify key personnel to prepare to carry out steps 2 through 8 and to stand by. (See Attachment A for notification procedures.)

2. The Social Services Operations Officer will coordinate the provision of staff for the decontamination/reception centers and congregate care facilities. DSS staff and community volunteers will be assigned to specific tasks in the appropriate facilities. On site supervision will be provided to insure that DSS staff and community volunteers are familiar with operational procedures and their supply responsibilities. Refer to the School Appendix 1 for sites of congregate care centers and decontamination/reception centers.

3. The WCDSS Special Community Services Director (or other supervisory personnel in his/her absence) will organize and coordinate all volunteer groups for this and other emergency purposes. (See Attachment for a list of the primary volunteer groups available.)

4. Designated managerial staff will gather record keeping materials from DSS offices or alternative sites, if used. Staff will be designated to place them at appropriate facilities. Assigned staff and volunteers will keep records at decontamination/reception centers of people leaving the area and their destinations. Assigned staff and volunteers will assign evacuated people to designated congregate care facilities with mass feeding capabilities on the prepared forms. Sufficient staff will be present to register people in a 12 hour period. At the congregate care centers, they will sign people in and keep accurate records of all population movement. (See Attachment C for registration procedures.)

5. The WCDSS Special Community Services Director (or other supervisory personnel in his/her absence) will coordinate efforts with organizations such as the Red Cross and Salvation Army to feed the evacuated people. This will include coordinating with the Wayne County Department of Public Health in identifying sources of uncontaminated food.

6. The WCDSS Special Community Services Director (or other supervisory personnel in his/her absence) will coordinate efforts with organizations such as the Red Cross, Salvation Army, Seventh Day Adventist Community Services, and other local churches to provide clothing at the decontamination centers for those members of the population requiring decontamination. Coordinate with the Michigan Department of Public Health in determining and obtaining other necessities that may be needed at the decontamination centers. They will also provide necessary clothing at decontamination centers established for emergency workers. (Refer to the Radiological Defense Appendix.)

7. The WCDSS Special Community Services Director (or other supervisory personnel in his/her absence) will coordinate efforts with the Wayne County Dept. of Mental Health and local ministers to provide crisis counseling.

8. Staff at decontamination/reception centers will provide the Wayne County Public Health Department with names and locations of immobile persons who may require special care as soon as they become aware of them.

   Special care must be given to residents of nursing homes, Homes for the Aged, and Adult Foster Care Homes located within a ten mile radius of Fermi II.

V. ADDENDA

A. Notification, Alert, and Mobilization Procedures

B. Maintenance of Emergency Preparedness Capability

C. Registration of Evacuated Population

PROCEDURES FOR NOTIFICATION, ALERT, AND MOBILIZATION

The Director of the Wayne County Department of Social Services will receive notification from the Wayne County warning entry point when the nuclear facility operator has declared an alert or more serious class. He will notify, alert, and mobilize personnel based on the following nuclear incident classifications:

Unusual Event

The Director will not be notified under this classification because no response will be required of the Department.

Alert

The Director will be notified and the Social Services Operations Officer will go to the EOC. The Social Services Operations Officer will notify the Bureau of Field Services Director of the alert, who will in turn notify all Zone Managers and administrative staff of the alert. No other personnel will be notified, no action will take place at this time.

Site Area Emergency

The Social Services Operations Officer will be in place in the Wayne County On-Scene EOC. The Social Services Operations Officer will notify the BFS Director who will in turn notify appropriate zone managerial staff to report to a designated DSS office or alternative site as needed. Each local office manager will mobilize staff members as needed. Sufficient staff and volunteers will be mobilized to staff each of the decontamination/reception centers and congregate care facilities. This includes mobilization of supportive agencies, other MDSS staff and organizations as needed. Regular telephone contact will be maintained.

General Emergency

The Social Services Operations Officer will contact the Director Bureau of Field Services to mobilize all staff, all available volunteers, and all available members of supportive agencies and organizations. DSS staff will report to their regularly assigned work station, unless notified otherwise, for assignment to daily office mandates or staff at the decontamination/ reception centers and congregate care facilities. Volunteers will be instructed to report to the locations listed above or to the supportive organizations to assist with the distribution of food and clothing.

Reporting Location

1. Notified staff, volunteers, and supporting agencies will be instructed where to report.

2. If time allows, all notified personnel will report to their regular Department of Social Services office for instructions.

3. If time does not allow for all personnel to report to their regular Department of Social Services office:

   a. Personnel will be instructed by telephone to report to an assigned station (decontamination/reception center or congregate care facility). Regular telephone contact will be maintained.

   b. Sufficient personnel will be instructed to report to Department of Social Services offices to pick up necessary materials and deliver them to assigned stations. Materials will include registration forms and materials for the initial response. If it is determined that the incident is likely to require food and clothing, appropriate personnel wil be instructed to collect and distribute these items.

Resource Assistance

Representatives of the following agencies and organizations will be contacted by the Special Community Services Director.

1. Food

   a. Red Cross

   b. Salvation Army

   c. Local Merchants

   d. Focus Hope

   e. Gleaners

   f. Community Information Services UCS

   g. Seventh Day Adventists

2. Clothes

   a. Red Cross

   b. Salvation Army

   c. St. Vincent de Paul

d. Community Information Services UCS

e. Seventh Day Adventists

3. Counseling

a. Community Information Services UCS

b. Wayne County Family and Neighborhood Services

c. Metropolitan Detroit AFL-CIO Community Services Department

d. Communities United for Action

e. Neighborhood Services Organization

f. Travelers Aide

g. Local Ministers

MAINTENANCE OF EMERGENCY PREPAREDNESS CAPABILITY

Training

All Social Services supervisors and support groups that may have emergency duties to perform during an incident at the Enrico Fermi plant will participate in an annual training program designed to familiarize them with their responsibilities and the procedures to be followed. The training will include education on radiation, types of incidents that could occur at the plant, protective action requirements, general state, local, federal, and plant responses, and specific social services type responsibilities and procedures. The Wayne County Emergency Operations Plan will be explained and its use discussed. This training seminar will be held in conjunction with the annual exercise.

Drills and Exercises

The Department of Social Services may participate as needed in a small-scale exercise to be held annually in Wayne County.

The Department of Social Services and other involved human services agencies (as necessary) will participate in a major exercise to be held within the Enrico Fermi Primary Emergency Planning Zone as required.

Throughout the training and exercises, an opportunity will be made available for plan revision. The Director will use the information gained to comply with his responsibilities in maintaining and annually updating the Social Services Appendix.

REGISTRATION OF EVACUATED POPULATION

Personnel Notification

Upon notification by the Social Services Operations Officer or the Special Services Community Director (or other supervisory personnel in his/her absence), Department of Social Services staff and volunteers assigned to decontamination/reception or congregate care centers will station themselves as assigned and prepare to register the evacuated population.

Registration Procedure

As the evacuated population is directed to the appropriate decontamination/reception centers by law enforcement personnel, the Department of Social Services staff and/or volunteers will provide directions from the parking lot(s) to the registration table(s). Registration forms will include space for the following information (see Tab 1 for a sample arrival registration form):

1. Arrival

    a. Names of household members accounted for (present at the registration site).

    b. Names of household members not at the registration site.

    c. Information about possible whereabouts of household members not at the registration site.

    d. Time of arrival.

    e. Special needs of any/all household members; i.e., medical, diet, clothing, counseling, disposition, etc.

    f. Home address (include directions) and telephone number.

    g. Assigned congregate care facility and feeding station.

    h. Indicate that name tag for congregate care facility and meal tickets for feeding station were issued.

    i. Destination (if not staying at assigned congregate care facility).

    j. Expected date of return.

2. Departure

   a. Name of household member(s) departing assigned congregate care facility.

   b. Time.

   c. Source reporting departure (individual or staff).

   d. Destination (address and telephone number).

See Distribution Below.

DISASTER CENTER REGISTRATION RECORD

Michigan Department of Social Services

1. Family Last Name	2. Permanent Address (before disaster) Number and Street	Telephone Number (Area Code) No.
3. Date / 4. Time ☐ A.M. ☐ P.M.	City and State	Zip Code

List family members with the same last name that are traveling together (use a separate form for each person with a different last name)

5. First Name / Middle Name	6. Sex	7. Age	8. Relationship	9. Address if Different than Above	10. Occupation and/or Skills

11. List Names of Other Persons Traveling With You

12. List Any Chronic Illness or Disability Within Your Family

13. Are Any Special Medications Required
☐ No ☐ Yes (If yes, please list):
Are These in Your Possession ☐ No ☐ Yes

14. Are Any Special Diets Prescribed?
☐ No ☐ Yes (If yes, please explain):

If you intend to stay at a location other than the congregate care centers available, please indicate the following:

15. Name of Person That You Will be Staying With
Address (Number and Street)
City / State / Zip Code
Telephone No. (Where you can be reached) (Area Code) No.
Expected Date of Return

16. Name of Congregate Care Facility Assigned to

17. Name of Reception Center

18. Form Completed By

19. I ☐ Do ☐ Do not authorize the release of the above information concerning my whereabouts or general condition.

Signature Date

OSS-1817 (10-81)

DISTRIBUTION: One copy to each of the following ▶ – Retained by Reception Center – Congregate Care Facility – Family

Tab 1 to Attachment C to Appendix 1 (Nuclear Facility Procedures)

APPENDIX 1, NUCLEAR FACILITY PROCEDURES,

TO THE SCHOOL ANNEX

Mitchell Kozak,
Wayne County Emergency
Preparedness Coordinator

William Simmons
Superintendent, Wayne
County Intermediate
School District

Date

Appendix 1, (Nuclear Facility Procedures) to the School Annex

I. PURPOSES

A. To support the School Annex to the Wayne County Emergency Operations Plan.

B. To establish procedures to provide for the use of school resources and to provide for the health, safety, and welfare of students in affected schools in the event of a nuclear facility incident at Enrico Fermi Atomic Power Plant, Unit 2.

II. CONCEPT OF OPERATIONS

A. When a nuclear incident occurs at the Enrico Fermi Atomic Power Plant the Superintendent of the Wayne County Intermediate School District or his designee will be notified according to the procedures established in Attachment A. He will then follow these same procedures in notifying the rest of the affected school districts in Wayne County.

B. In the event the Chairman of the Wayne County Board of Commissioners declares a State of Emergency, thereby activating the Emergency Operations Plan, the Superintendent of the Intermediate School District or his designee will take his place in the Wayne County On-Scene Emergency Operating Center as the School Operations Officer.

C. The School Operations Office is responsible for providing the services listed in Section IV of this appendix. From the EOC he will coordinate the implementation of these tasks. He will gather the most accurate and current information available on the incident and disseminate it to his disaster relief forces (local superintendents).

D. The School Operations Officer will maintain close contact with the Wayne County Intermediate School District Office through direct communications available at the EOC to ensure operations are being accomplished. He will also have immediate communication available with all other school districts he is responsible for coordinating.

E. An Associate Superintendent or his designee has been designated as the alternate School Operations Officer to provide relief at the EOC on a 12-hour shift basis.

III. ORGANIZATION

A. The Chairman of the Wayne County Board of Commissioners has the responsibility to direct the disaster relief forces of the county in time of emergency. The School Operations Officer will support the Chairman in carrying out the responsibilities established in this appendix.

B. Each of the local districts will direct their resources according to day-to-day procedure. However, the School Operations Officer will coordinate the relief effort from the county EOC so that a coordinated response takes place among the districts involved.

C. In the event the Governor declares a State of Disaster under Act 390, school resources will become part of the statewide disaster relief effort.

IV. TASKS AND EXECUTION

A. Upon notification from the Wayne County warning entry point that an incident at the Enrico Fermi Atomic Power Plant has occurred, the following actions will be implemented by the School Operations Officer as appropriate:

1. Notify personnel and local school districts and report to the EOC following the procedures listed in Attachment A to this Appendix.

2. After initial briefing, review with school district officials the necessity of releasing students from school or transferring them to alternate locations. Refer to Attachment E for detail.

3. If evacuation is ordered, coordinate with the Social Services and Health Operations Officers in designating school facilities to be used for housing (congregate care) and feeding the evacuated residents and for use as decontamination/reception centers. Follow the recommendations from the plant initially and then the state through the On-Scene State EOC. Refer to Attachment C for a list of potential decontamination/ reception centers. Refer to Attachment D for a list of potential congregate care centers.

4. Coordinate school evacuation including those schools in the affected area and those schools that will be used as decontamination/reception centers or congregate care centers.

5. The reception/decontamination centers and congregate care facilities will be staffed by Department of Social Services, Red Cross, Health Department, and voluntary personnel. The Department of Social Services is primarily responsible for staffing them. School district respresentatives will be present at each school facility to provide coordination in the use of school resources.

6. Social Services will coordinate the provision of supplies such as extra clothing, bedding, registration forms, and food. Schools may be asked to provide food or other resources already in place for normal use.

7. Provide transportation for residents of the affected area who have no other means of getting to the housing area, if evacuation is ordered. The school districts will first assure the pupils under their care are safe. When this is accomplished, school vehicles may be used to transport the general public to safety. The superintendent of the school district in the area to be evacuated will provide his vehicles for this purpose. Other districts will provide additional vehicles as needed. Regular school district employees will drive the vehicles. Residents without transportation will be instructed to walk to the nearest school in their community. School vehicles will travel to these locations to pick-up those persons. They will take them to the reception areas where continued transporation will be provided to the housing area after registation and assignment to a congregate care center has been accomplished. Those residents without transportation not able to walk to the pick-up locations will be instructed to call a publicized telephone number for pick-up at their door. This service will be coordinated by the School Operations Officer. Each district maintains a list of school vehicles and drivers which may be referred to in time of emergency. Evacuation of medical care facilities will be coordinated by the Health Operations Officer. School resources may be utilized for transportation.

8. Ensure that dosimeters have been issued to school personnel working in an area where they could potentially be exposed to radiation. Ensure they are familiar with the procedures involved. School personnel will be instructed to report to a designated fire station to pick up their dosimeters. See Appendix 1 to the Radiological Defense Annex for details.

V. ADDENDA

A. Notification, Alert, and Mobilization Procedures

B. Maintenance of Emergency Preparedness Capability

C. Potential Reception/Decontamination Centers

D. Potential Congregate Care Center Locations

E. Map of Congregate Care Locations

F. Procedures for Pupil Release from Schools

NOTIFICATION, ALERT AND MOBILIZATION PROCEDURES

The Superintendent of the Wayne County Intermediate School District will receive notification from the Wayne County warning point. The Superintendent will notify, alert, and mobilize personnel based on the following nuclear incident emergency action levels:

UNUSUAL EVENT

The Superintendent will not be notified under this class because no response will be required of the school resources and no public protective actions will be required.

ALERT

The Superintendent of the Wayne County Intermediate School District will be notified of the incident by the warning point.

He will notify the Superintendents of the local public school districts of Gibraltar, Flat Rock and Woodhaven to stand by. The local public school superintendents will then notify the private schools within their districts of the incident. The Intermediate School Superintendent will send a representative to the Wayne County On-Scene EOC.

SITE AREA EMERGENCY

The Superintendent of the Wayne County Intermediate School District will be notified by the warning point.

He will notify the local public shcool Superintendents of Gibraltar, Flat Rock and Woodhaven to stand by or take appropriate action according to the recommendations received through the Wayne County On-Scene EOC. The local Superintendents will notify principals at each school under their jurisdiction, the private schools in their district, and the transportation supervisors.

The Intermediate School District Superintendent or his designee will proceed to the Wayne County On-Scene EOC to take his place as the School Operations Officer and coordinate the tasks listed in Appendix 1.

GENERAL EMERGENCY

The same procedures will be followed as under "Site Area Emergency" class.

In addition, the Superintendent will mobilize transportation personnel and school district staff as necessary. They will report to their usual work locations for further instructions.

MAINTENANCE OF EMERGENCY PREPAREDNESS CAPABILITY

Training

All school supervisors that may have emergency duties to perform during an incident at the Enrico Fermi plant will participate in an annual training program designed to familiarize them with their responsibilities and the procedures to be followed. The training will include education on radiation, types of incidents that could occur at the plant, protective action requirements, general state, local, federal, and plant responses, and specific school area responsibilities and procedures. The Wayne County Emergency Operations Plan will be explained and its use discussed. This training seminar will be held in conjunction with the annual exercise.

Drills and Exercises

The Intermediate School District may participate as needed in a small-scale exercise to be held annually in Wayne County.

The Intermediate School District and other districts (as necessary) will participate in a large-scale exercise to be held within the Enrico Fermi Primary Emergency Planning Zone as required.

Throughout the training and exercises, an opportunity will be made available for plan revision. The Superintendent will use the information gained to comply with his responsibilities in maintaining and annually updating the School Appendix.

POTENTIAL DECONTAMINATION/RECEPTION CENTERS

The following is a list of facilities at or near the periphery of the 10-mile radius around the Enrico Fermi Atomic Power Plant that may be used as decontamination/reception centers during a nuclear power plant incident. The Wayne County Emergency Preparedness Coordinator will activate these facilities. The Wayne County Radiological Defense Officer will provide staff for the decontamination function with assistance from the Wayne County Department of Public Health, local fire departments and the Michigan Department of Public Health. The Department of Social Services will provide staff for the reception center function for registration and assignment of the population to congregate care centers. In the event decontamination is necessary, the population will be kept separated so that those already decontaminate will not recieve further contamination from those just arriving. All decontamination/reception centers have shower facilities.

Huron High School
32044 Huron River Dive
New Boston

Woodhaven High School
24787 Van Horn Road
Flat Rock

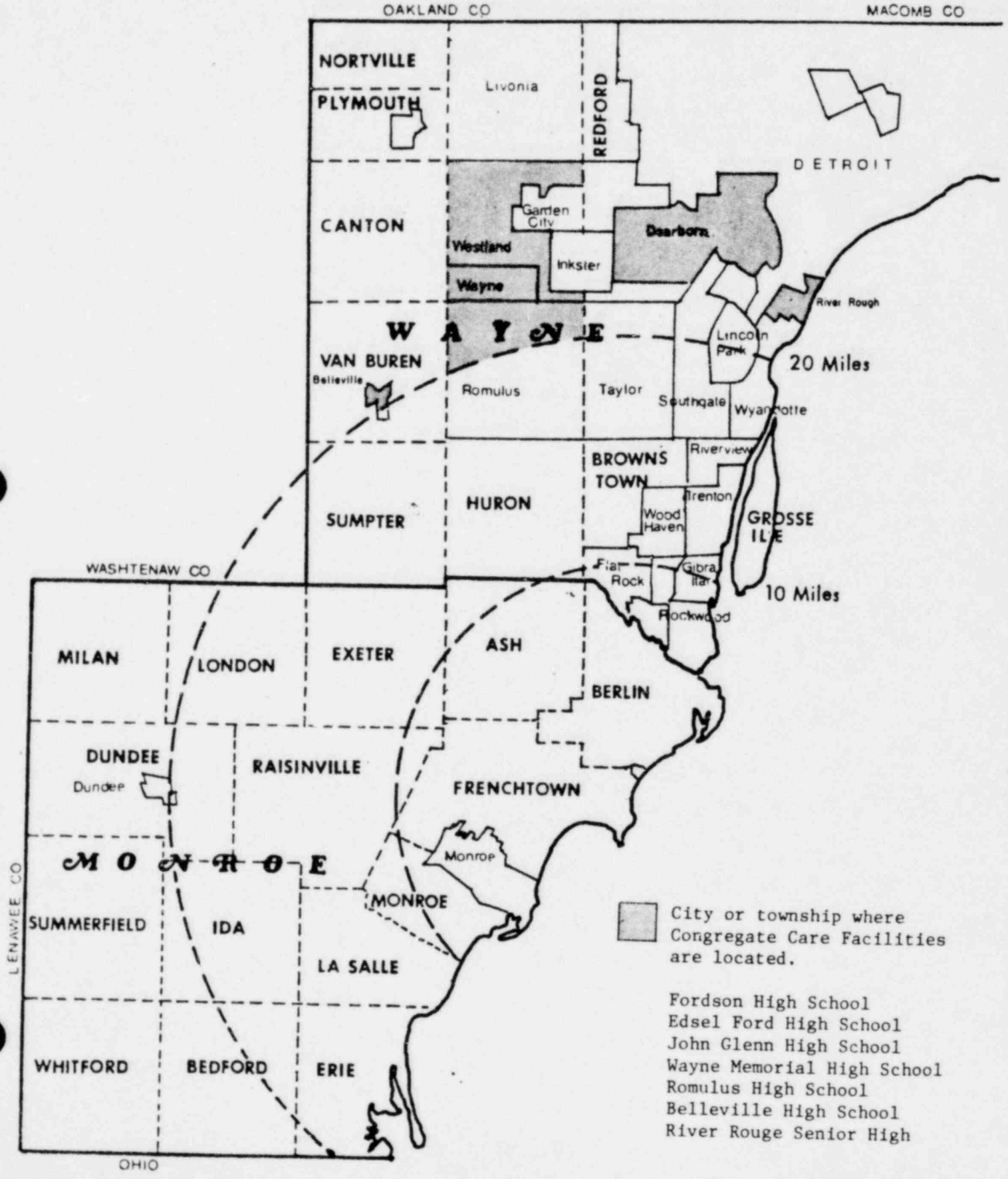
Flat Rock High School
28639 Division
Flat Rock

Trenton High School
2601 Charlton
Trenton

Carlson High School
30550 W. Jefferson
Gibraltar

Schumate Junior High
30550 W. Jefferson
Gibraltar

Housing Area



PROCEDURES FOR PUPIL RELEASE FROM SCHOOLS

Under a "Site Area Emergency" or "General Emergency" class of incident pupils will be released from the following schools (those within the 10-mile Primary Emergency Planning Zone) according to the procedures established below.

SENIOR HIGH SCHOOLS	SECTOR/ZONE LOCATION
Carlson Senior High	B9
Flat Rock High School	A10
JUNIOR HIGH SCHOOLS	
Schumate Junior High	B9
Simpson Junior High	A10
ELEMENTARY SCHOOLS	
Barrow Elementary	B8
Chapman Elementary	A8
Parsons Elementary	B10
Hunter Elementary	A10
PRE-SCHOOLS	
PRIVATE SCHOOLS	
Pooh Corners (Rockwood)	A8

If evacuation has not been ordered of the general population and if in-place protective recommendations have not been issued, students will be released according to normal procedures as a safety measure. They will remain at home until the emergency has been resolved.

If evacuation has been ordered of the general population, students from the above named senior high schools will be bused via school bus to Riverview Senior High or the High Schools located in Southgate and Taylor. Junior High students will be bused to Riverview Junior High and the Junior High Schools located in Southgate and Taylor. Elementary and pre-school children will be transported to the same Junior High Schools. Additional schools are available as needed.

Each school facility will be responsible for transporting its students. Persons without transportation will also be transported by school bus. The School Operations Officer will coordinate transportation resources from neighboring districts to accomplish this task.

In addition, if evacuation has been ordered, the students of the school that will receive these students will be bused home according to normal procedures.

Parents will be instructed to pick up their children at the schools to which they were relocated as the parents evacuate the area.

Annotation of NUREG 0654, FEMA Rep. 1, Rev.1, Planning Elements
Wayne County Emergency Operations Plan

NUREG 0654 Element

II. Planning Objectives and Evaluation Criteria

A. Assignment of Responsibility (Organization Control)

1.a. Basic Plan, Appendix 1, Sec. IV, c, 1, pg. BP-1-5
Basic Plan, Appendix 1, Attachment E, pg. BP-1-19
Basic Plan, Appendix 1, Attachment F, pg. BP-1-20

b. Basic Plan, Appendix 1, Sec. IV & V, pgs. BP-1-3, BP-1-6
Basic Plan, Appendix 1, Attachment E, pg. BP-1-19

c. Basic Plan, Appendix 1, Attachment E, pg. BP-1-19
Basic Plan, Appendix 1, Attachment F, pg. BP-1-20

d. Basic Plan, Appendix 1, Sec. IV, A.1 & 2, pg. BP-1-3

e. Basic Plan, Appendix 1, Sec. IV, B. 1 & 2, pg. BP-1-4
Direction & Control Annex, Appendix 1, Sec. IV, A.14, pg. A-1-4

2.a. Each Appendix identifies individuals and responsibilities.
Basic Plan, Appendix 1, Attachment A, pg. BP-1-15

b. Basic Plan, Appendix 1, Sec. I, pg. BP-1-1

3. Basic Plan, Appendix 1, Signature Page.
Basic Plan, Appendix 1, Sec. I., pg. BP-1-1

4. Direction & Control Annex, Appendix 1, Sec. II, E, pg. A-1-1
Direction & Control Annex, Appendix 1, Sec. IV, A.14, pg. A-1-4
Direction & Control Annex, Appendix 1, Sec. II, A, pg. A-1-1
Basic Plan, Appendix 1, Sec. V, A.1, pg. BP-1-6

C. Emergency Response Support and Resources

1.c. Basic Plan, Appendix 1, Sec. V, A.5, pg. BP-1-7

2.a. Basic Plan, Appendix 1, Sec. V, B, pg. BP-1-7

4. Health and Medical Annex, Appendix 1, Attachment D, pg. J-1-11

D. Emergency Classification System

3. Basic Plan, Appendix 1, Sec. III, Q, pg. BP-1-3
Basic Plan, Appendix 1, Attachment B, pg. BP-1-16

4. Basic Plan, Appendix 1, Sec. IV, C,2-5, pg. BP-1-5
Basic Plan, Appendix 1, Attachment B & C, pg. BP-1-16, BP-1-17

E. Notification Methods and Procedures

1. Basic Plan, Appendix 1, Sec. IV, B, pg. BP-1-4
Warning Annex, Appendix 1, Attachment A, pg. B-1-4

2. Warning Annex, Appendix 1, Attachment A, pg. B-1-4
Basic Plan, Appendix 1, Sec. IV, C.5, pg. BP-1-5

5. Warning Annex, Appendix 1, Sec. II, E, pg. B-1-2

6. Warning Annex, Appendix 1, Sec. II, D & E, pg. B-1-1
Warning Annex, Appendix 1, Attachment G, H, & I, pgs. B-1-11

7. Public Information Annex, Appendix 1, Attachment D, pg. E-1-7

F. Emergency Communications

1.a. Basic Plan, Appendix 1, Section IV, B.2, pg. BP-1-4
Warning Annex, Appendix 1, Sec. II, A, B, & C, pg. B-1-1
Communications Annex, Appendix 1, Sec. IV, A.3, pg. C-1-2

b. Warning Annex, Appendix 1, Sec. II, A, B, & C, pg. B-1-1
Warning Annex, Appendix 1, Sec. IV, A.3, pg. B-1-3
Communications Annex, Appendix 1, Sec. IV, A.4, pg. C-1-3

c. Communications Annex, Appendix 1, Sec. IV, A.11, pg. C-1-3

d. Communications Annex, Appendix 1, Sec. IV, A.3, pg. C-1-2
Radiological Defense Annex, Appendix 1, Sec. IV, A.2, pg. G-1-3

e. Warning Annex, Appendix 1, Sec. II, A & B, pg. B-1-1

2. Health and Medical Annex, Appendix 1, Sec. IV, B, pg. J-1-3

3. Communications Annex, Appendix 1, Attachment B, pg. C-1-6
Warning Annex, Appendix 1, Attachment B, pg. B-1-6

G. Public Education and Information

1. Public Information Annex, Appendix 1, Attachment B, pg. E-1-5

2. Public Information Annex, Appendix 1, Attachment B, pg. E-1-5

3.a. Public Information Annex, Appendix 1, Sec. II, B, pg. E-1-1

4.a. Public Information Annex, Appendix 1, Sec. II, B, pg. E-1-1

4.b. Public Information Annex, Appendix 1, Sec. II, F, pg. E-1-2
Public Information Annex, Appendix 1, Sec. IV, A.5, pg. E-1-3

5. Public Information Annex, Appendix 1, Attachment B, pg. E-1-5

H. Emergency Facilities and Equipment

3. Basic Plan, Appendix 1, Sec. V, A.2, pg. BP-1-6
Direction & Control Annex, Appendix 1, Sec. II, C, pg. A-1-1

4. Warning Annex, Appendix 1, Attachment A, pg. B-1-4
Basic Plan, Appendix 1, Sec. IV, A.1, pg. BP-1-3
Direction & Control Annex, Appendix 1, Attachment A & B, pg. A-1-5

7. Radiological Defense Annex, Appendix 1, Attachment C & H, pg. G-1-7, G-1-12

10. Communications Annex, Appendix 1, Attachment B, pg. C-1-6
Radiological Defense Annex, Appendix 1, Sec. IV, A, pg. G-1-2

11. Radiological Defense Annex, Appendix 1, Attachment H, pg. G-1-12
Communications Annex, Appendix 1, Attachment C, pg. C-1-8

12. Radiological Defense Annex, Appendix 1, Sec. II, F, pg. G-1-2
Basic Plan, Appendix 1, Sec. V, A.3, pg. BP-1-6

I. Accident Assessment

7. Radiological Defense Annex, Appendix 1, Attachment H, pg. G-1-12
Basic Plan, Appendix 1, Sec. VI, B, pg. BP-1-8

8. Radiological Defense Annex, Appendix 1, total.

J. Protective Response

2. Not applicable (See Monroe Plan)

9. Health and Medical Annex, Appendix 1, Attachments E,F, & G, pg. J-1-12

10.a. Law Enforcement Annex, Appendix 1, Att. D, pg. H-1-9
School Annex, Appendix 1, Attachment E, pg. M-1-7
Radiological Defense Annex, Appendix 1, Attachment G, pg. G-1-11
School Annex, Appendix 1, Attachments D & E, pg. M-1-6

10.b. Basic Plan, Appendix 1, Attachment I, pg. BP-1-23

10.c. Warning Annex, Appendix 1, Attachment G, H, & I, pg. B-1-11

10.d. Law Enforcement Annex, Appendix 1, Sec. IV, A.4, pg. H-1-3
Health and Medical Annex, Appendix 1, Sec. IV, A.3, pg. J-1-2

10.e. Health and Medical Annex, Appendix 1, Sec. IV, pg. J-1-2

10.f. Health and Medical Annex, Appendix 1, Attachment H, pg. J-1-15

10.g. Basic Plan, Appendix 1, Sec. VI, D.3, pg. BP-1-9

10.h. School Annex, Appendix 1, Attachments D & E, pg. M-1-6

10.i. Road Commission Annex, Appendix 1, Attachment C, pg. K-1-6

10.j, Road Commission Annex, Appendix 1, Sec. IV, G, pg. K-1-3
Law Enforcement Annex, Appendix 1, Sec. IV, A.8, pg. H-1-3

10.k. Law Enforcement Annex, Appendix 1, Sec. IV, A.13, pg. H-1-3
Road Commission Annex, Appendix 1, Sec. IV, D, pg. K-1-2

10.l. Law Enforcement Annex, Appendix 1, Attachment E, pg. H-1-10

12. Social Services Annex, Appendix 1, Sec. IV, A.4, pg. L-1-3
Radiological Defense Annex, Appendix 1, Attachment E, pg. G-1-9

K. Radiological Exposure Control

3.a. Radiological Defense Annex, Appnedix 1, Attachment C, pg. G-1-7
Radiological Defense Annex, Appendix 1, Attachment D, pg. G-1-8

b. Radiological Defense Annex, Appendix 1, Attachment D, pg. G-1-8

4. Radiological Defense Annex, Appendix 1, Attachment F, pg. G-1-10

5.a. Health and Medical Annex, Appendix 1, Attachment J, pg. J-1-18

b. Radiological Defense Annex, Appendix 1, Attachment D, pg. G-1-8

L. Medical and Public Health Support

1. Health and Medical Annex, Appendix 1, Attachment I, pg. J-1-17

4. Health and Medical Annex, Appendix 1, Attachment I, pg. J-1-17

M. Recovery and Reentry Planning and Postaccident Operations

1. Basic Plan, Appendix 1, Sec. VI, I, pg. BP-1-10

N. Exercises and Drills

1.a. Basic Plan, Appnedix 1, Sec. VI, L.2, pg. BP-1-12

b. Basic Plan, Appendix 1, Sec. VI, L.2, 4, & 5, pg. BP-1-12

2.a. Communications Annex, Appendix 1, Attachment B, pg. C-1-6

2.c. Health and Medical Annex, Appendix 1, Attachment B, pg. J-1-9

d. Radiological Defense Annex, Appendix 1, Attachment B, pg. G-1-6

3.a-f. Basic Plan, Appendix 1, Sec. VI, L.4, pg. BP-1-12

4. Basic Plan, Appendix 1, Sec. VI, L.5, pg. BP-1-13

5. Basic Plan, Appendix 1, Sec. VI, L.5, pg. BP-1-13
All Annexes, Appendices 1, Attachments B
Basic Plan, Appendix 1, Attachment M, pg. BP-1-28

O. Radiological Emergency Response Training

1. All Annexes, Appendices 1, Attachments B.
Basic Plan, Appendix 1, Sec. VI, J, pg. BP-1-11

1.b. All Annexes, Appendices 1, Attachments B.
Basic Plan, Appendix 1, Sec. VI, J, pg. BP-1-11

4.a. Basic Plan, Appendix 1, Sec. VI, J, pg. BP-1-11

b-c. Radiological Defense Annex, Appendix 1, Attachment B, pg. G-1-6

d. Law Enforcement Annex, Appendix 1, Attachment B, pg. H-1-7
Fire Annex, Appendix 1, Attachment B, pg. I-1-5

f. Health and Medical Annex, Appendix 1, Attachment B, pg. J-1-9

g. Basic Plan, Appendix 1, Sec. VI, J, pg. BP-1-11

h. Health and Medical Annex, Appendix 1, Attachment B, pg. J-1-9

j. Communications Annex, Appendix 1, Attachment B, pg. C-1-6

5. Basic Plan, Appendix 1, Sec. VI, J, pg. BP-1-11
All Annexes, Appendices 1, Attachment B

P. Responsibility for the Planning Effort

1. Basic Plan, Appendix 1, Sec. VI, J. pg. BP-1-11

2. Basic Plan, Appendix 1, Sec. V, A.1, pg. BP-1-6

3. Basic Plan, Appendix 1, Sec. V, A.1, pg. BP-1-6

4. Basic Plan, Appendix 1, Sec. VI, M.1, pg. BP-1-13

5. Basic Plan, Appendix 1, Sec. VI, M.3, pg. BP-1-13

6. Basic Plan, Appendix 1, Attachment L, pg. BP-1-27

7. Basic Plan, Appendix 1, Sec. IV, A, pg. BP-1-3

8. Cross reference included.

10. Basic Plan, Appendix 1, Sec. VI, M.2, pg. BP-1-13