

**DORCHESTER COUNTY**

**RADIOLOGICAL**

**EMERGENCY**

**PLAN**

**&**

**STANDARD**

**OPERATING**

**PROCEDURES**

**DORCHESTER COUNTY**  
**ANNEX P**  
**RADIOLOGICAL EMERGENCY PLAN RESPONSE (RERP)**  
**FOR NUCLEAR REACTORS**

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## **DORCHESTER COUNTY**

### **ANNEX P**

## **RADIOLOGICAL EMERGENCY PLAN RESPONSE (RERP)**

### **FOR NUCLEAR REACTORS**

#### **1.0 PURPOSE**

The purpose of this annex is to provide a coordinated response in the event of a general emergency at a fixed nuclear facility affecting Dorchester County.

#### **2.0 SITUATION AND ASSUMPTION**

##### **A. Situation:**

1. Incidents occurring at the Calvert Cliffs Nuclear Power Plant could directly or indirectly affect Dorchester County.
2. If an incident occurred at the plant that resulted in the release of radioactive gasses or airborne materials, two zones would be involved that could require certain protective actions to be taken.
  - (a.) The 10-mile radius “plume” zone within which partial or complete evacuation of people or their shelter might be necessary. Shelter might require that people simply stay in their homes. In some circumstances people within the 10-mile radius may be instructed to ingest potassium iodide.
  - (b.) The 50-mile radius “ingestion” zone wherein food, livestock feed, milk and water might have to be protected or their use curtailed temporarily in order to protect people from long-range effects of radiation, no matter how slight it might be.

#### **3.0 CONCEPT OF OPERATIONS**

##### **3.1 Emergency Response Organization**

Upon receipt of notification of an accident at Calvert Cliffs Nuclear Power Plant (CCNPP) which requires County response, a declaration of emergency may be declared by the President of the County Council and the Dorchester County Emergency Operations Center (EOC) may be activated.

Through out the duration of the emergency, the EOC will serve as the focal point for County emergency operations and information. County emergency operations will be under the overall direction of the President of the County Council.

Personnel or resources of the County agencies employed or utilized in local emergency operations will be under the operational control of the Director, Dorchester County Emergency Management Agency (EM). State, private and Federal personnel or resources made available for assistance in local emergencies will be in support of County operations unless otherwise provided for by law. In the absence of the President or Emergency Management Director, duties and responsibilities assigned to them in this Radiological Emergency Plan (REP) will be assumed by the officer next in line of succession.

A description of Federal and additional State support which may be afforded to the County is contained in the Maryland Disaster Assistance Plan, Annex Q, Sections 4.3. and 4.4.

### **3.2 Mutual Aid Agreements**

Local mutual aid agreements with the major political subdivisions within the CCNPP Plume and Ingestions Emergency Planning Zones are in existence and are contained in Emergency Management Assistance Compacts (MEMAC).

### **3.3 Emergency Facilities**

#### **3.3.1. Emergency Operations Center (EOC)**

Dorchester County EOC is located at 829 Fieldcrest, Cambridge, Maryland. It provides a secure and protected headquarters and communications center for the direction and control of all emergency and disaster operations in the County. A summary of the EOC's communication resources is contained in the County's Emergency Communications Development Plan. The EOC will be in operation at all times with staffing varying according to circumstances. Designated agencies having emergency functions will provide a representative to the County EOC. The agency representative will have the authority, unless provided for otherwise by law, to commit the resources of that organization represented and to speak on behalf of the head of that organization in the event of an extreme emergency.

The EOC is capable of continuous (24-hour) operation for a protracted period.

#### **3.3.2. Joint Information Center**

The CCNPP maintains a Media Center that contains facilities for Constellation Energy Company representatives to meet with NRC, State and County agency representatives for the purpose of releasing emergency announcements to news media. This facility contains resources for document reproductions, telecopying, and telephone and television electrical connections for use by the news media. This center will be supervised by the Joint Information Center Director (CEG) who will coordinate all information releases concerning Site Area Emergency and General Emergency on-site conditions relating to CCNPP. Dorchester County will use information provided by CEG. Media briefings in Dorchester county are conducted in the correctional facility training room.

### 3.3.3. Accident Assessment Center

The Department of the Environment's (MDE) Accident Assessment Center (AAC) is located in the Emergency Operations Facility near Prince Frederick. The AAC will assess an incident at CCNPP, evaluate the potential health effects, and then recommend the necessary Protective Actions to the Secretary of Environment. The AAC will serve as a central point for the compilation and analysis of all field monitoring data and will coordinate the analysis of sample media.

## 3.4 **Emergency Communications**

A dedicated-line telephone provides the primary communications link between key emergency facilities. This "hot line" ties together the CCNPP, three Plume Zone Counties, MEMA and the State Radiological Health Program (RHP). In Dorchester County, extensions for this system are located in the County EOC and in the County Communications Center.

The Maryland Institute for Emergency Medical Services Systems (MIEMSS) Communication System provides a coordinated 24-hour communications link between the Dorchester EOC, all hospitals within the State, and with Field ambulances.

Table 1-1 identifies the primary and alternate methods of communications among the EOC's and other facilities. Primary and alternate contacts are identified by title for each facility where applicable.

## 3.5 **Plan Implementation**

The implementation of the REP is accomplished in two phases. The Initiation Phase is a pre-planned response to each accident class. This phase established initial communications contact between CCNPP and State and County governments to provide and exchange of information so that necessary protective measures may be implemented. The Operational Phase is the implementation of the Protective Actions and Parallel Actions as deemed necessary to minimize public exposure to radiation and ensure public health and safety.

### 3.5.1 Phase 1 - Initiation

A specific pre-planned response by County and State governments to each class of accident is necessary to ensure the successful implementation of necessary Protective Actions and Parallel Actions in a timely manner. The following section summarizes County response and State interfaces to each of the accident classes and identifies actions to be initiated according to the accident classification. These classifications are consistent with those established by CCNPP.

### 3.5.1.1 Unusual Event

An Unusual Event is classified as an abnormal condition with plant safety degradation potential. This event has no potential for radioactive material release requiring off-site response or monitoring unless safety systems degrade further. Included in this classification is degradation of nuclear fuel, reactor coolant system, or containment, where lowering reactor operation mode is required by NRC Technical Specification. Inherently this condition presents time available for corrective actions to mitigate a more serious event.

The purpose of this classification is to provide off-site notification to (1) assure that the first step in any response later found to be necessary has been carried out; (2) bring the operating staff to a state of readiness; and (3) provide systematic handling of information and decision making.

Upon declaration of an Unusual Event, CCNPP will promptly notify the Dorchester County Communication Center. The following actions will then be initiated:

1. The Communications Center will notify the Emergency Management (EM) Director.
2. The EM Director will notify appropriate County officials.
3. No further response is required from Dorchester County.

This emergency status will be maintained until close out or escalation to a more severe emergency class.

### 3.5.1.2 Alert

An Alert classification is declared when events are in progress or have occurred involving actual or potential substantial degradation of plant safety. Any radioactive releases resulting from these events are expected to be limited to small fractions of EPA Protective Action Guides exposure levels. Includes situations considered prudent to notify off-Site Area Emergency organizations and mobilize on-Site Area Emergency Personnel.

The purpose of this classification is to (1) assure that emergency personnel are readily available to respond if the situation becomes more serious or to perform confirmatory radiation monitoring, if required, and (2) provide off-site authorities current status information.

Upon declaration of an Alert, CCNPP will promptly notify the Dorchester County Communication Center. The following actions will then be initiated:

1. The Communications Center will notify the EM Director and Implement its notification fan-out SOP.
2. The EM Director will partially activate the County EOC.
3. The EM Director may initiate the Public Notification System and activate the Emergency Alert System.
4. Field Monitoring teams, communications and other emergency personnel will be alerted.
5. State Accident Assessment may be initiated and field monitoring teams may be dispatched to provide confirmatory radiation monitoring if actual releases substantially exceed technical specifications.
6. The State Accident Assessment Center will perform plume and ingestion pathway dose projections if required.
7. The County Emergency Public Information Program will be implemented.
8. The County EOC and State EOC will keep each other informed.
9. The County EOC will keep all County agencies and those State and private agencies having functions in the County REP informed of the emergency and Protective Actions recommended.

This emergency class will be maintained until close-out or escalation to a more severe class.

#### **3.5.1.3 Site Area Emergency**

The Site Area Emergency classification is declared when events are in progress or have occurred involving actual or likely major failures in the plant functions needed for public protection. Any releases are not expected to exceed EPA Protective Action Guides exposure levels near site boundary.

The purpose of this classification is to (1) assure that response centers are manned; (2) assure that monitoring teams are dispatched; (3) assure that personnel required for evacuation of near-site areas are at their duty stations if the situation becomes more serious; (4) provide consultation between on-site and off-site authorities; and (5) provide informational updates for the public through off-site authorities.

Upon declaration of a Site Area Emergency, CCNPP will promptly notify the Dorchester County Communications Center. The following actions will then be initiated:

1. The Communications Center will notify the EM Director and implement its notification fan-out SOP.
2. The EM Director will fully activate the County EOC.
3. The EM Director will initiate the Public Notification system and activate the Emergency Alert System.
4. County EOC representatives will report to the EOC.
5. State Accident Assessment will be initiated and field monitoring teams dispatched to provide confirmatory radiation monitoring.
6. The State Accident Assessment Center will perform phone and ingestion pathway dose projections.
7. The Protective Action of Food, Water, Milk, and Livestock Feed Control may be implemented.
8. Additional Protective Actions as well as limited initiation of Parallel Actions may be implemented based upon recommendations from CCNPP and assessment by the Accident assessment Center of information from CCNPP and field monitoring teams.
9. The County Emergency Public Information Program will be implemented.
10. The County EOC and State EOC will keep each other informed.
11. The County EOC will keep all County agencies and those State and private agencies having functions in the County REP informed of the emergency and Protective Actions recommended.

This emergency status will be maintained until close-out, reduction of the emergency class, or escalation to a General Emergency class.

### 3.5.1.4 General Emergency

The General Emergency classification indicates that events are in progress or have occurred involving actual or imminent substantial core degradation or melting and a potential for loss of containment integrity. Releases can be reasonably expected to exceed EPA Protective Action Guides exposure levels off-site for more than the immediate site area.

The purpose of this classification is to (1) initiate predetermined Protective Actions; (2) provide continuous assessment of information from on-site and off-site organization measurements; (3) initiate additional measures as indicated by actual or potential releases; (4) provide consultation with off-site authorities; and (5) provide informational updates for the public through off-site authorities.

Upon declaration of General Emergency, CCNPP will promptly notify the Dorchester County Communications Center. The following actions will then be initiated:

1. The Communications Center will notify the EM Director and implement its notification fan-out SOP.
2. The EM Director will fully activate the County EOC.
3. The EM Director will initiate the Public Notification System and activate the Emergency Alert System.
4. County EOC representatives will report to the EOC.
5. State Accident Assessment will be initiated and field monitoring teams dispatched to provide confirmatory radiation monitoring.
6. The State Accident Assessment Center will perform plume and injection pathway dose projections.
7. Protective and Parallel Actions may be initiated based upon recommendations from CCNPP and assessment by the Accident Assessment Center of information from CCNPP and field monitoring teams.
8. The County Emergency Public Information Program will be implemented.
9. The County EOC and State EOC will keep each other informed.

10. The County EOC will keep all County agencies and those State and private agencies having functions in the county REP informed of the emergency and Protective Actions recommended.

This emergency status will be maintained until close-out or reductions of the emergency class.

### 3.5.2 Phase 2 – Operational

This section summarizes the assigned emergency response functions of key and support County, private, and State agencies (within the County) which will respond to an incident at CCNPP. For most emergency functions, State and Federal operations will be in support of Dorchester County operations. The Department of the Environment is the key agency for Accident Assessment and the Department of Health and Mental Hygiene is the key organization for Food, Water, Milk and Livestock Feed Control. For all other Protective Actions and all of the Parallel Actions, Dorchester County is the overall key organization. Then MEMA will provide overall coordination of State and Federal support to County operations. Table 5-2 of Annex Q summarizes this overall concept of operation. The agencies and their responsibilities are shown in the Dorchester County Agency Responsibilities Matrix, Table 1-2, Table 1-3 identifies the responsible individual and alternate by title for each agency designated as a key agency in the implementation of the REP. Block diagrams which graphically show the interaction of these agencies are presented in Figures 1-1 through 1-5.

#### 3.5.2.1 **Accident Assessment**

Initial assessment of the accident and evaluation of the radiological release consequences will be performed by CCNPP. Based on plant parameters and atmospheric dispersions models, CCNPP will determine the projected dose values and notify the Dorchester County Communications Center of recommended Protective Actions for affected areas by zone.

The MDE, along with support agencies, will perform an independent assessment of the accident. Transportation assistance will be provided by the Sheriff, the Maryland State Police-Barrack I, and the Natural Resources Police. The MDE will coordinate with Dorchester County EM and the County Health Department to obtain field monitoring results and collect environmental samples.

County field monitoring will be performed at preselected off-site locations which are identical to those established by CCNPP. Other field monitoring locations will be established, as necessary.

The Secretary of the Environment, based upon the dose assessment values and plant parameters provided by CCNPP, the data from field monitoring teams, and the independent calculations of the AAC, will inform the County Health Officer and MEMA of the necessary Protective Actions to be initiated in the affected area to minimize the public exposure to radiation. MEMA will then contact Dorchester County EM to confirm the initiation of County Protective Actions. Until such time as MDE brings its resources to bear, Dorchester County may initiate Protective Actions based upon its field monitoring results and the information and recommendations from CCNPP. If at all possible, Dorchester County will coordinate Protective Actions with other plume zone counties, MEMA and/or the Secretary, MDE. If this is not possible, they will be notified as soon as possible after the action has been taken.

CCNPP will continually update the County on plant status and accident related information. The MDE, along with the support of County, State, private, and Federal agencies will continue to monitor the accident and provide updates on the accident status. The MEMA and the Dorchester County EOC will continually keep each other informed of the situation.

Figure 1-1 graphically represents the interaction of the agencies in assessing the situation.

#### **3.5.2.2 Notification and Communication**

If an accident occurs at CCNPP, which requires County response, the CCNPP Site Area Emergency Coordinator will notify Dorchester County of the situation via the CCNPP Hot Line. A CEG radio is provided for backup. During normal working hours, the call would be received in the County EOC by the EM Director. At all other times, the call would be received by the County Communications Center (911) which would then promptly notify the EM Director.

The Dorchester EM will then initiate the notification of key and support County, private, and State agencies within the County. The MEMA and the plume zone counties will routinely keep each other and CCNPP informed on the situation and as new developments occur. See Table 1-1 for primary and alternate methods of communication between emergency facilities.

#### **3.5.2.3 Command and Coordination**

The CCNPP Site Area Emergency Coordinator will establish liaison and coordinate CCNPP off-Site Area Emergency response with that of the County and State in accordance with the CCNPP Emergency Response Plan and the Maryland REP.

The Governor is in overall command of State agencies, State resources, and the State's emergency response. County operations will be under the overall direction and control of the President of the Board of County Council.

The County EM Director will provide overall coordination of County, private, and State agencies having functions in the County REP and will coordinate requests for all assistance from these agencies. If assistance is not available locally, the requests will be forwarded to the MEMA. Any assistance, when rendered to the County, will come under the operational Control of the County.

Each State and private agency having functional responsibility in the County REP and each responsible County agency will provide a representative to the County EOC at the direction of the County EM Director. These representatives will have authority to commit the local resources of the agency represented and speak on behalf of the head of that agency. Each agency will ensure that arrangements are in place to provide 24-hour per day representation at the County EOC.

Figure 1-2 represents the Command and Coordination function of the County Emergency Response Operations.

#### 3.5.2.4 **Protective Actions**

The Secretary, MDE will contact the Dorchester County Health Officer and advice of the recommended or directed Protective Actions. Additionally, when the MEMA is informed of the recommendations or directives of the Secretary, MDE, or Governor, it will contact the EM Director. In the absence of such recommendations or directives, the Presidents of the Board of County Council have the authority to initiate Protective Actions. Protective Actions should be based on information and recommendations from CCNPP. Whenever these Protective Actions occur, the County will keep the Accident Assessment Center and the State EOC informed of the situation. In any event, the EM Director will then assure overall coordination of County Protective Action operations.

Figure 1-3 represents the organization of the County for Protective Actions. Each Protective Action is summarized below.

#### **Take Shelter**

The EM Director will assure overall coordination of support agencies in notifying the affected population to seek shelter. The Sherriffs Department is the key county agency for Take Shelter.

### Notification of the Public

The EM Director will cause the Public Notification System to be activated. Dorchester County EM is a support County agency for Take Shelter. The Sheriff, Maryland State Police, and Cambridge Police Department will assist TIVFC in notifying the public of the need to seek shelter. The Natural Resources Police will assist in notifying boaters on affected waterways.

### **Thyroid Protection (Potassium Iodide)**

The EM Director will assure overall coordination of support agencies in notifying the affected population to ingest potassium iodide (KI). The Dorchester County Health Department is the key county agency for Thyroid Protection.

### Notification of the Public

The EM Director will cause the Public Notification System to be activated. The Dorchester County Health Department is the key County agency for Thyroid Protection. The Sheriff and Maryland State Police will assist in notifying the public of the need to ingest KI. The Natural Resources Police will assist in notifying boaters on affected waterways

### **Evacuation**

The EM Director will assure overall coordination of key and support agencies in notifying the affected public to evacuate and in providing transportation assistance. The Dorchester EM is the key County agency for Evacuation.

### Notification of the Public

Federal regulation (10CFR 50, Appendix E) requires that nuclear power stations provide local municipalities with the capability of providing an alert signal to the population on the area wide basis throughout the 10 mile EPZ, within 15 minutes. The purpose of the alert signal is to notify the public to tune to their local Emergency Alert System (EAS) radio or television station for information and instructions.

In compliance with this regulation, the Constellation Energy Company has had a radio activated siren system installed in the 10 mile EPZ. The sirens are under the operational control of the three plume zone counties. In Dorchester County, the sirens may be simultaneously activated from 0 to 10 miles.

The sirens in Dorchester County may be activated only by the EM Director, or his/her designee, for any of the following reasons:

1. A Site Area Emergency is declared; or
2. A General Emergency is declared without any prior announcement; or
3. For testing purposes; or
4. In the judgment of the EM Director, the public should be altered for any reason to tune in to the local EAS Station for information or instructions.

In the event of any emergency at CCNPP, EAS radio stations would be activated and would provide information and instructions for Dorchester county residents:

The EM Director will cause the Public Notification System to be activated. The Taylors Island Volunteer Fire Company will assist the Sheriff in notifying the public of the situation and the evacuation procedures utilizing prepared messages. These messages will be consistent with the accident classification and instruct the public of the necessary Protective Actions and designated assembly areas. The Maryland State Police-Barrack I will also assist in notifying the public. The Department of Natural Resources Police will assist in notifying boaters on affected waterways. Notification of the affected public will be assured by mobile public address systems or personal contact.

#### Transportation of Evacuees

The Board of Education will provide drivers and buses to travel pre designated routes within the County to pick up evacuees requiring transportation. Students will be relocated to evacuation centers beyond the 10 mile EPZ. Students attending schools outside of the plume zone, but who live within the plume zone, will also be transported to Reception Centers. The Board of Education and County Department of Public Works will assist in transportation of evacuees from assembly areas to reception centers. The Natural Resources Police will also assist in providing water transportation for special areas which must be evacuated.

#### Reception Centers

The Board of Education will prepare schools within the County designated as reception centers to receive evacuees. The EM Director will notify evacuation support centers if additional facilities are required.

### Impediments to Evacuation

Circumstances may dictate the need for extraordinary speed in the removal of impediments to evacuation. For this reason, Dorchester County will, if practicable, preposition personnel, equipment, and materials along evacuation routes and at traditional congestion areas. Extraordinary measures may be necessary in order to permit the uninterrupted flow of evacuation traffic.

### Access Control

The EM Director will assure overall coordination of key and support agencies in controlling access into the affected area and exiting traffic. The Sheriff's Office is the key agency for Access Control. The Maryland State Police Barrack I and County Department of Public Works will assist by providing personnel to man pre-designated access and traffic control points. The State Highway Administration will provide road barricades, flashing signals, and traffic cones to supplement County resources. The State Highway Administration will also print signs identifying specific evacuation routes and other signs as requested. The Natural Resources Police will assist in restricting boats from affected waterways.

Only authorized officials and emergency workers will be permitted beyond access control points. Authorization for entry into controlled areas will be coordinated between the County EM Director and the CCNPP Emergency Director.

### Food, Water, Milk and Livestock Feed Control

The EM Director will assure overall coordination of County support in controlling food, water, milk, and livestock feed supplies which may have become contaminated. The DHMH is the key agency for Food, Water, Milk and Livestock Feed Control. The County Health Department will coordinate Food, Water, Milk, and Livestock Feed Control operations at the local level.

### Analysis

The State AAC will determine whether the supplies are suitable for animal and human consumption with regards to possible radioactive contamination above acceptable limits, the DHMH will coordinate with State and County support agencies to ensure that these products are removed or restricted from the public market until it has been determined that they are again safe for consumption.

### Control

The DHMH will ensure that contaminated milk supplies and contaminated food supplies including produce, and aquatic and game animals, are kept from the public. The DHMH will also ensure that public water supplies which have become contaminated are shutoff or are designated for critical use (e.g., fire fighting) only. The Department of Agriculture will ensure that animals are removed from pasture and placed on alternate feed supplies. The State Highway Administration will provide transportation of alternate feed supplies for livestock taken off pasture. The Natural Responce Police will control harvesting of contaminated fin fish.

### 3.5.2.5 **Parallel Actions**

The EM Director will assure overall coordination of the County Parallel Actions operations and coordinate State support to the County. Figure 1-5 represents the County organization for Parallel Actions. Each Parallel Action is summarized below.

#### **Emergency Medical Services**

The EM Director will assure overall coordination of key and support agencies in Emergency Medical Services. The Dorchester Emergency Medical Service (EMS) is the key County agency and will coordinate support agencies in providing assistance as requested.

#### **Transportation**

The Dorchester EMS will coordinate emergency transportation of the injured.

#### **Treatment**

Dorchester General Hospital will provide emergency first aid personnel and supplies. The American Red Cross will also provide emergency first aid at the evacuation centers. MEIMSS will provide support assistance, if necessary.

#### **Radiation Exposure Control**

Emergency Management is the key County agency for Radiation Exposure Control and will coordinate County, State, Federal and private support agencies.

The Radiological Officer will contact the MEMA for additional dosimeters and monitoring equipment. The Radiological Officer will ensure that sufficient trained radiation monitors are available at the county EOC, and monitoring and decontamination centers (see Table 1-5 for locations). Additional trained personnel may be provided through MDE, MEMA and DHMH.

#### **Personnel Exposure Control**

County and its support State, Federal, and private agency emergency workers entering controlled areas must first report to a pre-established dosimetry distribution point. Information on the location of these distribution points may be obtained by contacting the County EOC. Emergency workers must be issued dosimeters and monitoring equipment and be briefed on the accident status and recommended stay time prior to entering controlled areas. The County Health Department is responsible for the administration of potassium iodide to emergency workers in accordance with MDE policy and procedures.

#### Personnel Monitoring

Emergency workers exiting controlled areas will report to radiological monitoring centers to be checked for contamination. Evacuees will be monitored for contamination at reception centers. The County Health Department, Taylor's Island Volunteer Fire Department and trained volunteers will assist in the monitoring of public and emergency workers. The County Health Department is responsible for recording public and emergency worker radiation exposure. Public and emergency worker exposure records will be submitted to the MDE by the County Health Department when complete.

#### Decontamination

The Rescue Fire Company will assist in the decontamination of evacuees, emergency workers, and equipment and materials. Dorchester General Hospital will also assist in the decontamination of emergency workers.

#### **Law Enforcement and Crime Prevention**

The EM Director will assure overall coordination of key and support agencies in maintaining law and order. The Sheriff's Office is the key agency and will be supported by the Cambridge City Police and the Maryland State Police Barrack I with assistance as requested.

#### **Mass Care**

The EM Director will assure overall coordination of key and support agencies in mass care operations. The Department of Social Services is the key County agency and will coordinate the operations of support agencies in providing mass care to the County.

#### Reception Centers

At the direction of the EM Director, reception centers within the County, and in evacuation support counties as needed, will be readied to receive evacuees. The Board of Education will provide food supplies and volunteer personnel for evacuation centers. The County Health Department will provide public health nurses for consulting and evaluating health problems and administering first aid at the reception centers. The State Department of Housing and Community Development will identify housing and mobile homes that would be available if evacuation is required for an extended period of time. The American Red Cross and the Salvation Army will also support operation at the reception centers.

#### Funding

The State Office of the Comptroller of the Treasury will, upon official written request from MEMA or at the direction of the Governor, allocate funds to the County to ensure that mass care functions and the Parallel Actions will be adequately provided.

#### **Return**

The Secretary, MDE, will notify the County Health Officer when radiation levels are such that it is safe to return to the affected area. Additionally, when MEMA is informed by the Secretary, MDE, it will notify the EM Director. The EM Director will coordinate the County, State, Federal, and private agencies, which have operational functions within the County, to ensure a safe and orderly return of the evacuees. Dorchester EM is also the key County agency for Return.

#### Notification to the Public

The public will be notified that it is safe to return to the affected area and of any special procedures to be followed by new announcements over radio or television and in newspapers.

#### Traffic Control

The Sheriff's Office, Maryland State Police Barrack I and the Highway Department will assist the Sheriff in traffic control.

#### Transportation of Evacuees

The Board of Education and the County Department of Public Works will provide transportation assistance as requested.

### **3.5.2.6 Public Information**

In the event of an accident at CCNPP, the Public Information Officer (PIO) will implement the County's Emergency Public Information Program. This program will assure that accurate and

timely information is provided to the public in the event of a radiological emergency.

The PIO, located at the County EOC, will be in charge of local public announcements. The PIO will have access to all necessary information and will report on the radiological emergency and county emergency operations. The PIO has the responsibility to deliver to the public comprehensive public announcements on a regular basis. The PIO will make all reasonable attempts to coordinate public information announcements with the State PIO and will utilize local public media in the implementation of public announcements.

#### 4.0 **SPECIAL CONCERNS**

In the event of a radiological emergency at CCNPP, certain facilities/area will require attention in regard to the implementation of Protective Actions and Parallel Actions. The public will be asked to aid neighbors who are handicapped, impaired, or with special needs requiring special attention.

A listing of handicapped or special needs citizens residing within the CCNPP plume zone is maintained by the EM Director and is on file in the EOC. The Dorchester County Public Schools System maintains a listing of all handicapped students that need special transportation. This information is available to the Transportation Supervisor in time of emergency.

Special Concerns procedures are detailed in the assigned responsible agency(ies) Standard Operating Procedures and/or Implementing Procedures.

Special procedures and detailed instructions to the public for each special concern are contained in public information pamphlets. These pamphlets are jointly developed by the state, respective plume zone county, and CCNPP and are updated and distributed on an annual basis. The only Special Concerns for Dorchester County are identified below.

##### Campgrounds

Taylor's Island Family Campground  
Bay Shore Road, Taylor's Island

Tideland Park Campgrounds  
Slaughter Creek, Taylor's Island

Air Traffic Control will be handled at the State/Federal level.

## 5.0 **PLAN TESTING AND MAINTENANCE**

### 5.1 **Scenarios**

Dorchester EM is responsible for assisting the MEMA in the overall development of drill and exercise scenarios, and in making arrangements for official observers.

### 5.2 **Drills**

All drills will be conducted by the EM Director and evaluated by qualified officials.

#### 5.2.1 Communications Drills

Overall Coordination drills is the responsibility of the EM Director. Communications with State and County agencies within the Plume Exposure Zone will be tested monthly. Communications between CCNPP and the State and County EOCs will be tested quarterly.

#### 5.2.2 Medical Emergency Drills

The Country Emergency Medical Services will participate in bi-annual medical emergency drills with Dorchester General Hospital. The Maryland Institute for Emergency Medical Services Systems may assist in conduct of the annual medical emergency drill.

#### 5.2.3 Radiological Monitoring Drills

The EM Director will assist the MDE and the MEMA in the development and conduct of radiological monitoring drills. County and State agencies having Accident Assessment responsibilities will participate fully in actual drills. Radiological monitoring drills may be incorporated in the biennial exercise.

### 5.3 Exercises

At least once every two years, Dorchester EM, in conjunction with the MEMA and CCNPP, will prepare and conduct an emergency response exercise of the REP.

### 5.4 Training

All training will be in accordance with Annex Q, Radiological Emergency Plan.

#### 5.4.1 Emergency Worker Training

A training program will be established by Dorchester EM to prepare the responsible County agencies for dealing with radiological emergencies.

County training will be the responsibility of Dorchester EM. Provisions for periodic retraining (at least once annually) will be central to the Training Program.

#### 5.4.2 Public Information Training

The EM Director is responsible for the overall coordination of the public information training program within the County.

### 5.5 Critique

Official observers from County, State, private and/or Federal agencies will observe and critique the required exercises and drills

### 5.6 Plan Maintenance

Maintenance of the Dorchester County REP will be the responsibility of the County EM Director. Table 1-4 identifies by title, the individual in each agency assigned the responsibility for the maintenance and updating of their agency's sections of the REP and their respective SOPs. These individuals are also responsible for notifying the EM Director of any changes within their organizations which may require revision to the REP. Telephone numbers and staff assignments will be updated at least quarterly. These updates will be distributed to all required organizations.

As a minimum, an annual review and updating of emergency plans will be made, preferable in conjunction with the exercises. Substantive changes proposed by any County organization must be approved by the Board of County Council. Any changes made will be sent by the County EM Director who will then inform MEMA. The MEMA will then incorporate any changes that apply to the State plan Annex Q and submit revisions to the County EM Director (for issuance to County users of the REP) and to State users of the County Plan.

Formal changes and revised pages will be dated and marked to show where changes have been made and will be distributed by MEMA. The MEMA will annually review the REP to ensure that the plans are current. Spot EM audits will be conducted periodically to insure compliance with the REP. Disclosure of noncompliance will result in notification to the agency head involved.

### 5.7 **Equipment Maintenance**

The County EM Director is responsible for equipment inventory, inspection, operational checks, and maintaining records. Equipment provided by CCNPP will be maintained and calibrated by CCNPP.

## 6.0 **SUMMARY PROCEDURES**

Implementing Procedures, Call Lists, and Standard Operating Procedures exist for County, State, and private agencies with assigned responsibility in the County's emergency operations. This section summarizes each agency's responsibilities and role according to the six basic planning functions.

Dorchester County agencies summarized are:

Dorchester County Council; include County Manager

Emergency Management Agency

Sheriff's Office

Taylor's Island Volunteer Fire Company

Health Department

Board of Education

Department of Public Works

Department of Social Services

Cambridge City Police

American Red Cross

Maryland State Police-Barrack I

Department of Natural Resources – Natural Resources Police

Dorchester General Hospital

Farm Service Agency – USDA

Dorchester Emergency Medical Service (EMS)

## 6.1 County Council

### 6.1.1 Accident Assessment

The President of the County Council is in overall command of County operations for Accident Assessment in the event of an accident at Calvert Cliffs Nuclear Power Plant (CCNPP).

The Council will constantly monitor the accident status. In the absence of any recommendations or directives from the Secretary, MDE, or Governor, the Council will consult with the County Health Officer and the County Emergency Management (EM) Director to determine appropriate Protective Actions and Parallel Actions.

### 6.1.2 Notification and Communication

The President of the Council or alternate, will be notified of an accident at CCNPP by telephone call from the EM Director.

The notification will be verified according to Standard Operating Procedures. The President of the Council will then notify the other Commissioners by telephone. Work and home telephone numbers are available for 24-hour notification. The president of the Council will report to the County Emergency Operations Center (EOC) to direct County emergency response operations.

### 6.1.3 Command and Coordination

The President of the Council is in overall command of the County emergency response operations and will establish liaison with the Governor's Office through MEMA. The Council, from the County EOC, will maintain communications with County agencies by radio and telephone.

### 6.1.4 Protective Actions

The Council will oversee EM and the key County and support agency operations in the implementation of Protective Actions necessary to ensure public health and safety.

### 6.1.5 Parallel Actions

The Council will direct EM overall coordination and the key County and support agencies operations in the implementation of Parallel Actions necessary to ensure public health and safety.

### 6.1.6 Public Information

The EM PIO, under the direction of the Council is the designated Public Information Officer (PIO) for the county. The PIO will implement the County Emergency Public Information Program to keep the public informed of the situation. The County PIO will keep the State PIO informed of all news releases.

## 6.2 Emergency Management Agency (EM)

### 6.2.1 Accident Assessment

Dorchester EM is overall coordinating agency for County support of Accident Assessment.

Dorchester EM, along with support agencies, will monitor accident status and coordinate County resources in support of the MDE accident assessment.

The MEMA will keep Dorchester EM informed of the Protective Actions recommended or Directed by the Governor or the Secretary, Department of the Environment (MDE). In the absence of any recommendations or directives, the EM Director will consult with the County Health Officer in order to provide the County Council with recommendations on Protective Actions to be taken.

### 6.2.2 Notification and Communication

The EM Director or alternate, will be notified of an accident at CCNPP by the CCNPP dedicated line or from the Dorchester County Communications Center (24-hour coverage, 9-1-1). Radio frequencies and work and home telephone numbers are provided for 24-hour notification. Following completion of an Accident Report Form, the notification will be verified according to Standard Operating Procedures.

After receiving notification, the EM Director or designee will notify the appropriate County department heads and will activate the County Emergency Operations Center (EOC). A call list of telephone numbers and radio frequencies is available for 24-hour notification.

Dorchester EM will utilize radios, telephones and ECOMM located in the County EOC as the primary communicant for the county emergency response. The radio communication of the County Communications Center (9-1-1) provides additional communications capabilities.

### 6.2.3 Command and Coordination

The EM Director or alternate, is in charge of the County EOC under the overall command of the County Council. The EM Director is responsible for assuring the continuity of the necessary personnel and material resources needed to equip the County EOC for continuous (24-hour) operations for a protracted period. The EM Director will also ensure that each agency having representation at the County EOC is prepared to provide representatives on a 24-hour per day basis. The EM Director or alternate will also coordinate the County and the State emergency response with MEMA. County agency's request for support will be made through Dorchester EM.

#### 6.2.4 Protective Actions

The EM Director or designee, under the command of the County Council, is responsible for the overall coordination of the implementation of Protective Actions.

A listing of support agencies is presented in Table 1-2, Agency Responsibility Matrix.

##### Take Shelter

Dorchester EM will coordinate County take shelter operations with Sherriffs Department which is the key County agency for Take Shelter. Working with the Sherriffs Department and agency representatives, Dorchester EM will ensure that public notification to all segments of the transient and resident population is successfully implemented by means of commercial, radio and/or television, public address systems, siren warnings, reverse 911, telephone, and personal contact, as is needed. The EM Director will also ensure that the public is aware of the recommended take shelter actions.

##### Thyroid Protection (Potassium Iodide – KI)

Dorchester EM will coordinate County thyroid protection operations with the County Health Department which is the key agency for thyroid protection for the general public. Working with the Health Department agency representatives, Dorchester EM will ensure that public notification to all segments of the transient and resident population is successfully implemented by means of commercial, radio and/or television, public address systems, siren warnings, reverse 911, telephone, and personal contact, as is needed. The EM Director will also ensure that the public is aware of the recommended thyroid protection actions.

##### Evacuation

Dorchester EM will coordinate evacuation operations and is the key County agency for evacuation. Working with the agency representatives, Dorchester EM will ensure that public notification to all segments of the transient and resident population is successfully implemented by means of commercial, radio and/or television, public address systems, siren warning, reverse 911, telephone, and personal contact as needed. The EM Director will ensure that designated areas are evacuated in a timely and orderly fashion, and that Reception Centers and Mass Care Centers are activated to receive evacuees.

##### Access Control

Dorchester EM will coordinate the County access control operations with the Sheriff's Office, the key agency for Access Control. Working with the support agency representatives, the EM

Director will ensure that all affected areas are clearly designated and access to these areas is adequately controlled.

#### Food, Water, Milk, and Livestock Feed Control

Dorchester EM will assure overall coordination of the County food, water, milk, and livestock feed control operations. The EM Director will rely on the advice, the directives, and the capabilities provided by the key agency, the Department of Health and Mental Hygiene (DHMH). Working with county support agencies and under the director of the DHMH, the EM Director, or designee, will ensure that contaminated food, water, milk, and livestock feed are restricted from consumption and that alternate supplies are available.

### 6.2.5 Parallel Actions

Dorchester EM, under the command of the County Council, is responsible for the implementation and the overall coordination of Parallel Actions.

#### Emergency Medical Services

The EM Director will maintain communications with the Dorchester EMS, the key County agency, to ensure that the Emergency Medical Services are maintained.

#### Radiation Exposure Control

The EM Director will coordinate the County radiation exposure control operations with the Radiological Officer. The Radiological Officer will ensure that dosimeters are available for emergency worker use, that adequate exposure record keeping capabilities exist for emergency workers and the public, and that decontamination facilities are supplied and manned with trained personnel.

#### Law Enforcement and Crime Prevention

The EM Director will coordinate the County law enforcement and crime prevention operations of the key agency, the Sheriff's Office to ensure the maintenance of civil order.

#### Mass Care

The EM Director will coordinate the mass care operations of the key County agency, the Department of Social Services, in the implementation and coordination of mass care operations.

## Return

The EM Director will coordinate County return operations and is the key County agency for return operations. The MDE, through the MEMA, will notify the EM Director when radiation levels are such that it is safe to return to the affected area. The EM Director, working with County agency representatives, will ensure that proper notification and transporting of evacuees back to their residences are carried out in an orderly fashion.

### 6.2.6 Public Information

All media requests for information must be forwarded to the County PIO. Any assistance requested by the County PIO will be provided.

## 6.3 **Sheriff's Office**

### 6.3.1 Accident Assessment

The Sheriff's Office has no assigned responsibility in this function.

### 6.3.2 Notification and Communication

The Sheriff's Department will be notified of an accident at the Calvert Cliffs Nuclear Power Plant (CCNPP) by radio or telephone from the County Communications Center (24-hour coverage – 9-1-1). Following completion of appropriate log entries, the notification will be verified according to Standard Operation Procedures. After receiving notification the Sheriff or alternate will then authorize a department call-up by radio or telephone commensurate with the severity of the accident. Work and home telephone numbers are provided for 24-hour coverage. Communication with Sheriff's Office personnel will be maintained by radio or telephone.

### 6.3.3 Command and Coordination

The Sheriff or alternate, the Chief Deputy, will be in charge of the Sheriff's Office emergency response operations and coordinate activities with the Maryland State Police-Barrack I from the County Emergency Operations Center (EOC). Initial requests for assistance will be directed through the County EOC. The Sheriff is responsible for ensuring that the Sheriff's Office is properly staffed for 24-hour per day operation and that adequate resources are available.

#### 6.3.4 Protective Actions

The Sheriff's Office is a support agency for Take Shelter and Evacuation. The Sheriff's Office is a key agency for Access Control.

##### Take Shelter

The Sheriff's Office will provide public notification for take shelter operations. Police vehicles, equipped with public address systems, using pre-established procedures, will be utilized to notify the public of take shelter procedures.

##### Thyroid Protection

The Sheriff's Office will provide public notification for thyroid protection. Police vehicles, equipped with public address systems, using pre-established procedures, will be utilized to notify the public of the procedures.

##### Evacuation

The Sheriff and support agencies will provide traffic control and public notification for evacuation operations. Police vehicles, equipped with public address systems and implementing pre-established procedures will be utilized to notify the public of evacuation procedures to ensure an orderly evacuation.

The Sheriff will coordinate the activities of the support agencies for public notification during an evacuation operation. Other support agencies providing transportation during evacuation will be coordinated by the EM Director.

A listing of support agencies is presented in Table 1-2, Agency Responsibility Matrix.

##### Access Control

The Sheriff is the key County agency in access control operations, access control points and roadblocks, and will coordinate the access control activities of the support agencies.

#### 6.3.5 Parallel Actions

The Sheriff's Office is the key agency for Law Enforcement and Crime Prevention and for Return.

##### Law Enforcement and Crime Prevention

The Sheriff is the key agency and will coordinate the support agencies in law enforcement and crime prevention operations and maintain civil order during and after the emergency.

##### Return

The Sheriff will support the County EM during return operations by providing traffic control and assisting with public notification of return procedures to evacuees.

#### 6.3.6 Public Information

All media requests for information must be forwarded to the County PIO. Any assistance requested by the County PIO will be provided.

### 6.4 **Taylor's Island Volunteer Fire Company**

#### 6.4.1 Accident Assessment

The Taylor's Island Volunteer Fire Company has no assigned responsibility for this function.

#### 6.4.2 Notification and Communication

The Chief, TIVFC will be notified of an accident at Calvert Cliffs Nuclear Power Plant (CCNPP) by telephone or radio call from the County Communications Center (9-1-1). Work and home telephone numbers and radio frequencies are provided for 24-hour notification. After receiving notification, the 9-1-1 Director or designee will, commensurate with the severity of the accident, notify the appropriate TIVFC personnel by tone dispatch system and/or telephone call. County Fire and Rescue Coordinator will represent TIVFC in the EOC operations.

#### 6.4.3 Command and Coordination

TIVFC by-laws have established a chain of command of company officers for coordination of its activities. The Company representative may represent TIVFC at the County EOC, if appropriate. The Fire Chief is responsible for ensuring that the Taylor's Island Volunteer Fire Company is properly staffed for 24-hour per day operation and that adequate resources are available.

#### 6.4.4 Protective Actions

The TIVFC is the support agency for Take Shelter and for Evacuation.

##### Take Shelter

The TIVFC is the support agency in take shelter operations. They will assist the Sheriff's Department by notifying the public utilizing mobile or fixed public address or alert systems, of take shelter procedures. The TIVFC will be supported by local fire, rescue, and emergency medical services personnel which are coordinated by the County Fire and Rescue Coordinator.

### Thyroid Protection

The TIVFC is the support agency in thyroid protection operations. They will assist the Sheriff's Department by notifying the public utilizing mobile or fixed public address or alert systems, of the procedures. The TIVFC will be supported by local fire, rescue, and emergency medical services personnel which are coordinated by the County Fire and Rescue Coordinator.

### Evacuation

The TIVFC will support the County EM and Sheriff's Department in evacuation operations by notifying the public through utilization of mobile or fixed public address or alert systems, of evacuation procedures. The TIVFC will be supported by local fire, rescue, and emergency medical services.

#### 6.4.5 Parallel Actions

The TIVFC will support the Dorchester EMS for Emergency Medical Services and is a support agency for Radiation Exposure Control.

### Emergency Medical Services

The TIVFC is the Support County agency for Emergency Medical Services Operations, will utilize County Fire and Rescue Coordinator to direct the utilization of local and mutual aid ambulances and fire and rescue emergency medical services in providing emergency medical care.

A listing of support agencies is presented in Table 1-2, Agency Responsibility Matrix.

### Radiation Exposure Control

The TIVFC will support the County EM in radiation exposure control operations by monitoring public and emergency worker exposure and aiding in the decontamination of evacuees, emergency workers, equipment and materials.

#### 6.4.6 Public Information

All media requests for information must be forwarded to the County PIO. Any assistance requested by the County PIO will be provided.

### 6.5 **Health Department**

#### 6.5.1 Accident Assessment

The Health Department is a support agency for Accident Assessment.

The Health Officer will be kept informed of the accident status by the County Emergency Management (EM) Director. In the absence of any protective action recommendations or directives from the Governor or Secretary of the Environment, the Health Officers will consult with the EM Director in order to provide the Council of County Council with recommendations or Protective Actions to be taken. The County Health Department will provide the collection of samples as requested by the State Department of the Environment (MDE).

#### 6.5.2 Notification and Communication

The Health Officer or alternate, the Director of Environmental Health, will be notified of an accident at CCNPP by telephone call from the EM Director or designee. Work and home telephone numbers are provided for 24-hour notification.

#### 6.5.3 Command and Coordination

The Health Officer or alternate, the Director of Environmental Health will be in charge of the Health Department's emergency response operations. The Health Officer or alternate will represent the Health Department at the County Emergency Operations Center (EOC). The Health Officer is responsible for ensuring that the Health Department is properly staffed for 24-hour per day operation and that adequate resources are available.

#### 6.5.4 Protective Actions

The Health Department is the lead agency for Thyroid Protection and will provide potassium iodide for the general public at a location designated by the Emergency Management director if warranted. The Health Department is a support agency to the DHMH for Food, Water, Milk, and Livestock Feed Control.

##### Thyroid Protection

The Health Department will assist the EM Director in determining the need for potassium iodide to the general public and will provide potassium iodide to the general public at a location designated by the EM Director.

##### Food, Water, Milk, and Livestock Feed Control

The Health Department will assist in the control and disposition of food, water, milk, and livestock feed supplies as directed by the DHMH.

#### 6.5.5 Parallel Actions

##### Radiation Exposure Control

The Health Department will support the radiation exposure control operations of the County EM. If necessary, potassium iodide will be administered to emergency workers under the direction of the County Health Officer. The Health Department will maintain records of emergency worker's exposures. Public and emergency worker exposure records will be submitted by the County Health Department to the MDE when complete.

##### Mass Care

The Health Department will support the mass care operations of the Department of Social Services and will coordinate County medical services during the emergency. The Health Department will direct public health nurses to assist in administering first aid and routine nursing services.

#### 6.5.6 Public Information

All media requests for information must be forwarded to the County PIO. Any assistance requested by the County PIO will be provided.

### 6.6 **Board of Education**

#### 6.6.1 Accident Assessment

The Board of Education has no assigned responsibility for this function.

#### 6.6.2 Notification and Communication

The Superintendent of Schools or alternate, the Assistant Superintendent, will be notified of an accident at CCNPP by telephone from Dorchester County Emergency Management (EM). Work and telephone numbers are provided for 24-hour notification.

After receiving notification, schools will be notified as necessary. (Private schools will be notified by the EM Director by telephone.)

#### Command and Coordination

The Superintendent of Schools or alternate, the Assistant Superintendent, will be in charge of the Board of Education emergency response operations. The Superintendent of Schools or alternate will represent the Board of Education at the County Emergency Operations Center (EOC). The Superintendent of Schools is responsible for ensuring that the Board of Education is properly staffed for 24-hour per day operation and that adequate resources are available.

#### 6.6.4 Protective Actions

The Board of Education is a support agency for Evacuation.

##### Evacuation

The Board of Education will support the EM in evacuation operations by providing school buses for evacuation transportation and availing specified schools for use as evacuation centers.

#### 6.6.5 Parallel Actions

The Board of Education is a support agency for Mass Care and for Return.

##### Mass Care

The Board of Education will support the Department of Social Services in mass care operations by availing school facilities to the evacuees and providing volunteer personnel at these facilities (see Attachment 9, TAB B for facility names and locations).

##### Return

The Board of Education will support the County EM in return operations by providing transportation to evacuees to return to their homes.

#### 6.6.6 Public Information

All media requests for information must be forwarded to the County PIO. Any assistance requested by the County PIO will be provided.

### **County Department of Public Works**

#### 6.7.1 Accident Assessment

The County Department of Public Works has no assigned responsibility for this function.

#### 6.7.2 Notification and Communication

The Director of Public Works or alternate, County Engineer, will be notified of an accident at CCNPP by telephone call from Dorchester County Emergency Management (EM). Work and home telephone numbers are provided for 24-hour notification. Communications will be maintained with the County Department of Public Works personnel by telephone or radio.

#### 6.7.3 Command and Coordination

The Director or alternate, the County Engineer, will be in charge of the County Department of Public Works emergency operations. Upon request, the County Engineer or designee will represent County Department of Public Works at the County Emergency Operations Center (EOC). The County Engineer is responsible for ensuring that the County Department of Public Works is properly staffed for 24-hour per day operation and that adequate resources are available.

#### 6.7.4 Protective Actions

The County Department of Public Works is a support agency for Evacuation and Access Control.

##### Evacuation

The County Department of Public Works will support the EM in evacuation operation by providing emergency transportation for evacuees, if necessary.

##### Access Control

The County Department of Public Works will support the Sheriff's Office in access control operations by providing road barricades and personnel to man traffic control points.

#### 6.7.5 Parallel Actions

The County Department of Public Works is a support agency for Return.

### Return

The County Department of Public Works will support the County EM in return operations by providing transportation and traffic control assistance as requested.

#### 6.7.6 Public Information

All media requests for information must be forwarded to the County PIO. Any assistance requested by the County PIO will be provided.

### 6.8 **Department of Social Services**

#### 6.8.1 Accident Assessment

The Department of Social Services has no assigned responsibility for this function

#### 6.8.2 Notification and Communication

The Director, Department of Social Services, or alternate, Supervisor, will be notified of an accident at the CCNPP by telephone call from the Dorchester County Emergency Management (EM) Director. Work and home telephone numbers are provided for 24-hour notification. After receiving notification, the Department key personnel will be notified by telephone call. Work and home phone numbers are available for 24-hour notification.

#### 6.8.3 Command and Coordination

The Director, Department of Social Services, or alternate, is in charge of the Department of Social Services emergency response operations. The Director or designee will represent the Department at the County Emergency Operations Center (EOC). Requests for additional mass care personnel will be made by the Director to the State Department of Human Resources. The Director is responsible for ensuring that the Department of Social Services is properly staffed for 24-hour per day operation and that adequate resources are available.

#### 6.8.4 Protective Actions

The Department of Social Services has no assigned responsibility for this function.

#### 6.8.5 Parallel Actions

The Department of Social Services is the key County agency for Mass Care.

### Mass Care

The Department of Social Services, as the key County agency for mass care operations, will be responsible for the coordination of food, clothing, and other necessary resources for evacuees and others affected by the accident until such time as American Red Cross personnel become available to assume that responsibility. The Department will be supported in mass care operations by available American Red Cross personnel, the County Health Department, and the Board of Education.

#### 6.8.6 Public Information

All media requests for information must be forwarded to the County PIO. Any assistance requested by the County PIO will be provided.

### 6.9 **Dorchester General Hospital**

#### 6.9.1 Accident Assessment

The Dorchester General Hospital has no assigned responsibility for this function.

#### 6.9.2 Notification and Communication

The Hospital Administrator or alternate, the Assistant Administrator, will be notified of an accident at CCNPP by telephone by the Dorchester Emergency Management (EM) Director. The Administrator will be notified of an accident at CCNPP involving injury to personnel by telephone from CCNPP. Telephone numbers for 24-hour notification are provided. Following notification of an accident at CCNPP, the Administrator will telephone call-up lists. Work and home telephone numbers are provided for 24-hour notification. On-duty hospital personnel will be notified over the hospital public address system. The administrator will maintain communications with the Dorchester County Emergency Operations Center (EOC) by radio or telephone.

#### 6.9.3 Command and Coordination

The Hospital Administrator or alternate, the Assistant Administrator, will be in charge of Dorchester General Hospital emergency response operation. The Hospital Administrator is responsible for ensuring that Dorchester General Hospital is properly staffed for 24-hour per day operation and that adequate resources are available.

#### 6.9.4 Protective Actions

Dorchester General Hospital has no assigned responsibility for this function.

#### 6.9.5 Parallel Actions

Dorchester General Hospital is a support agency for Emergency Medical Services and for Radiation Exposure Control.

##### Emergency Medical Services

Dorchester General Hospital will support the Dorchester EMS in emergency medical services operations by establishing a triage to sort and allocate treatment to emergency patients.

##### Radiation Exposure Control

Dorchester General Hospital will support the County EM in radiation exposure control operations by administering potassium iodide to emergency workers as directed by the County Health Officer. Dorchester General will also decontaminate and medically treat injured emergency workers.

#### 6.9.6 Public Information

All media announcements should be coordinated with the County PIO prior to their release.

### 6.10 **American Red Cross**

#### 6.10.1 Accident Assessment

The American Red Cross has no assigned responsibility for this function.

#### 6.10.2 Notification and Communication

The American Red Cross Director or alternate, the Vice Chairman or the Disaster Chairman, will be notified of an accident at CCNPP by telephone call from the Dorchester County Emergency Management (EM) Director (24-hour notification is possible through and answering service). After receiving notification, the American Red Cross volunteers will be contacted by telephone call or public announcements. Work and home telephone numbers are provided for 24-hour notification.

#### 6.10.3 Command and Coordination

The American Red Cross Director or alternate is in charge of the American Red Cross emergency operations services from the County Emergency Operations Center (EOC). The Director is responsible for ensuring that the American Red Cross is properly staffed for 24-hour per day operations and that adequate resources are available.

The Regional American Red Cross Chapter will receive assistance from the National American Red Cross as necessary.

#### 6.10.4 Protective Actions

The American Red Cross has no assigned responsibility for this function.

#### Parallel Actions

The American Red Cross is as support agency for Mass Care.

#### Mass Care

The American Red Cross will support the mass care operations of the Department of Social Services by providing volunteers to man and administer aid at evacuation centers until adequate American Red Cross personnel become available to assume management of the evacuation center. The American Red Cross will obtain food, and supplies for evacuation centers, if necessary, following declaration that a state of emergency exists.

#### 6.10.6 Public Information

All media releases should be coordinated with the County PIO prior to their release.

### 6.11 **Maryland State Police-Barrack I**

#### 6.11.1 Accident Assessment

The Maryland State Police-Barrack I is a support agency for Accident Assessment. The Maryland State Police-Barrack I will support the accident assessment operations by providing transportation and communication for field monitoring teams and equipment, as necessary.

#### 6.11.2 Notification and Communication

The Maryland State Police-Barrack I Duty Officer will be notified of an accident at CCNPP by radio, telephone, or intercom from the Dorchester County Communications Center (24-hour coverage 9-1-1). Following appropriate log entries the accident message will be verified according to Standard Operating Procedures. After receiving notification, the Duty Officer will then notify the Barrack Commander or alternate by radio, telephone, or beeper. The Barrack Commander will initiate a departmental call-up commensurate with the severity of the incident. On-duty personnel will be notified by the Duty Officer by telephone or radio. Communications will be maintained with the County Emergency Operations Center (EOC) and Maryland State Police personnel by radio.

### 6.11.3 Command and Coordination

The Barrack Commander or alternate will be in charge of the Maryland State Police-Barrack I emergency operations and coordinate activities with the County Sheriff from the County EOC. Initial requests for assistance will be made through established routine channels. If additional assistance is required, the request will be directed through the Dorchester County Emergency Management (EM) Director. The Barrack Commander is responsible for ensuring that the Maryland State Police-Barrack I is properly staffed for 24-hour per day operation and that adequate resources are available.

### 6.11.4 Protective Actions

The Maryland State Police-Barrack I is a support agency for Take Shelter, Evacuation and for Access Control.

#### Take Shelter

The Maryland State Police-Barrack I will support the Sherriffs Department in take shelter operations by dispatching police vehicles equipped with public address systems to inform the public of take shelter procedures.

#### Thyroid Protection

The Maryland State Police-Barrack I will support the Sherriffs Department in thyroid protection operations by dispatching police vehicles equipped with public address systems to inform the public of the procedures.

#### Evacuation

The Maryland State Police-Barrack I will support the County EM in evacuation operations by dispatching traffic control and police vehicles equipped with public address systems to notify the public of evacuation procedures.

#### Access Control

The Maryland State Police-Barrack I will support the Sheriff's Department in access control operations by providing personnel and vehicles to establish roadblocks and man designated access control points.

A listing of support agencies is presented in Table 1-2, Agency Responsibility Matrix.

### 6.11.5 Parallel Actions

The Maryland State Police-Barrack I is a support agency for Law Enforcement and Crime Prevention and for Return.

### Law Enforcement and Crime Prevention

The Maryland State Police-Barrack I will support the Sheriff's Department in law enforcement and crime prevention operations by providing personnel and equipment to maintain civil order during and after the emergency

A listing of support agencies is presented in Table 1-2, Agency Responsibility Matrix.

### Return

The Maryland State Police-Barrack I will support the County EM in return operations by providing traffic control.

#### 6.11.6 Public Information

All media requests for information must be forwarded to the County PIO. Any assistance requested by the County PIO will be provided.

### **6.12 Dept. of Natural Resources – Natural Resources Police**

#### 6.12.1 Accident Assessment

The Natural Resources Police is a support agency for Accident Assessment. The Natural Resources Police will conduct on-water field monitoring and provide transportation over waterways for field monitoring teams if necessary.

#### 6.12.2 Notification and Communication

The Natural Resources Police Duty Officer will be notified of an accident at CCNPP by telephone or radio from the Dorchester Emergency Management (EM) Director or County 9-1-1 Center (24-hour coverage). Following appropriate log entries, the accident message will be verified according to Standard Operating Procedures. After receiving notification, the Duty Officer will notify the Regional Commander or alternate by radio or telephone. The Regional Commander will initiate a department call-up commensurate with the severity of the accident. On-duty personnel will be notified by the Duty Officer by radio and off-duty personnel will be notified by telephone or radio. Communications will be maintained with the County Emergency Operations Center (EOC) and Natural Resources Police personnel by radio.

#### 6.12.3 Command and Coordination

The Regional Commander will be in charge of the Natural Resources Police emergency operations and coordinate agency activities with the County EOC. Requests for assistance will be made through established routine channels. If additional assistance

is required, the request will be directed through the Department of Natural Resources representative at the State EOC. The Regional Commander is responsible for ensuring that the Natural Resources Police is properly staffed for 24-hour per day operation and that adequate resources are available.

#### 6.12.4 Protective Actions

The Natural Resources Police is a support agency for Take Shelter, Evacuation and for Access Control.

##### Take Shelter

The Natural Resources Police will support the EM in take shelter operations by notifying pleasure and commercial craft in the waters surrounding CCNPP. The Natural Resources Police will provide take shelter notification information to the mariners by public address systems from boats and/or motor vehicles, by personal contact, or by VHF or citizen's band radio. The Natural Resources Police will also provide boat transportation for evacuees from special areas, if necessary.

##### Evacuation

The Natural Resources Police will support the EM in evacuation operations by notifying pleasure and commercial craft in the waters surrounding CCNPP. The Natural Resources Police will provide evacuation notification information to the mariners by public address systems from boats and/or motor vehicles, by personal contact, or by VHF or citizen's band radio. The Natural Resources Police will also provide boat transportation for evacuees from special areas, if necessary.

##### Access Control

The Natural Resources Police will support the Sheriff's Office in access control by restricting the access to small craft along waterways through the establishment and maintenance of access control panels.

### 6.13 **Cambridge City Police**

#### 6.13.1 Accident Assessment

The Cambridge City Police has no assigned responsibility for this function.

#### 6.13.2 Notification and Communication

Cambridge City Police Communications will be notified of an accident at CCNPP by the County 9-1-1. Cambridge City Police Communications is the back up for Notification and Communication and will notify County EM by radio, telephone or personal contact. Work and home telephone numbers are provided

for 24-hour notification. Cambridge City Police will be notified by radio, pager, telephone or personal contact.

#### 6.13.3 Command and Coordination

The Chief of Police or police Major will be in charge of CPD emergency operations and will coordinate activities with Sheriff's Office and MSP-Barrack I from the County EOC. Initial requests for assistance will be made through routine channels. Additional requests for assistance, if necessary, will be directed to County EM. The Chief of Police is responsible for ensuring that CPD is properly staffed for 24-hour per day operations and that adequate resources are available.

#### 6.13.4 Protective Actions

The Cambridge City Police is a support agency to Take Shelter, Evacuation and for Access Control.

##### Take Shelter

The Cambridge City Police will support the Sherriffs Department in take shelter operations by providing police vehicles equipped with public address systems to inform and instruct the public on take shelter procedures.

##### Thyroid Protection

The Cambridge City Police will support the Sherriffs Department in thyroid protection operations by providing police vehicles equipped with public address systems to inform and instruct the public on the procedures.

##### Evacuation

The Cambridge City Police will support the EM in evacuation operations by assisting with traffic control and utilizing police vehicles equipped with public address systems to notify the police of evacuation procedures.

##### Access Control

The Cambridge City Police will support the Sheriff's Office in access control operations by providing personnel and vehicles to establish roadblocks and man designated access control points.

#### 6.13.5 Parallel Actions

The Cambridge City Police is a support agency for Law Enforcement and Crime Prevention.

## Law Enforcement and Crime Prevention

The Cambridge City Police will support the Sheriff's Office in law enforcement and crime prevention operations by providing personnel and equipment to maintain civil order during and after an emergency.

### 6.13.6 Public Information

All media requests for information must be forwarded to the County PIO. Any assistance requested by the County PIO will be provided.

## **6.14 Farm Service Agency – USDA**

### 6.14.1 Accident Assessment

The Farm Service Agency is a support agency for Accident Assessment. The Farm Service Agency will assist State and Federal personnel in identifying and contacting farms and food processors necessary.

### 6.14.2 Notification and Communication

The Farm Service Agency County Executive Director Officer will be notified of an accident at CCNPP by telephone or radio from the Dorchester Emergency Management (EM) Director or County 9-1-1 Center (24-hour coverage). Following appropriate log entries, the accident message will be verified according to Standard Operating Procedures. Communications will be maintained with the County Emergency Operations Center (EOC) and Farm Service Agency personnel by telephone or radio.

### 6.14.3 Command and Coordination

The Executive Director will be in charge of the Farm Service Agency emergency operations and coordinate agency activities with the County EOC. Requests for assistance will be made through established routine channels. If additional assistance is required, the request will be directed through the Farm Service Agency representative at the State EOC.

### 6.14.4 Protective Actions

The Farm Service Agency is a support agency for Take Shelter, Evacuation and for Access Control.

#### Take Shelter

The Farm Service Agency will support the EM in take shelter operations by notifying farmers and food processors surrounding CCNPP. The Farm Services Agency will provide take shelter

notification information by telephone, personal contact, or by VHF or citizen's band radio..

#### Evacuation

The Farm Service Agency will support the EM in evacuation operations by notifying farmers and food processors surrounding CCNPP. The Farm Service Agency will provide evacuation notification information by telephone, personal contact, or by VHF or citizen's band radio.

#### Access Control

The Farm Service Agency has no assigned responsibility for access control.

### **6.15 Dorchester County emergency Medical Service (EMS)**

#### 6.15.1 Accident Assessment

Dorchester EMS has no assigned responsibility for this function.

#### 6.15.2 Notification and Communication

The Chief, Dorchester EMS will be notified of an accident at Calvert Cliffs Nuclear Power Plant (CCNPP) by telephone or radio call from the County Communications Center (9-1-1). Work and home telephone numbers and radio frequencies are provided for 24-hour notification. After receiving notification, the 9-1-1 Director or designee will, commensurate with the severity of the accident, notify the appropriate EMS personnel by tone dispatch system and/or telephone call. County EMS Coordinator will represent Dorchester EMS in the EOC operations.

#### 6.15.3 Command and Coordination

The EMS Coordinator is responsible for ensuring that the Dorchester EMS is properly staffed for 24-hour per day operation and that adequate resources are available.

#### 6.15.4 Protective Actions

Dorchester EMS is the support agency for Take Shelter and for Evacuation.

#### Take Shelter

Dorchester EMS is the support agency in take shelter operations. They will assist the Sherrifs Department by notifying the public utilizing mobile or fixed public address or alert systems, of take shelter procedures. Dorchester EMS will be supported by local fire, rescue, and emergency medical services personnel which are coordinated by the County Fire and Rescue Coordinator.

### Thyroid Protection

Dorchester EMS is the support agency in thyroid protection operations. They will assist the Sherrifs Department by notifying the public utilizing mobile or fixed public address or alert systems, of the procedures. Dorchester EMS will be supported by local fire, rescue, and emergency medical services personnel which are coordinated by the County Fire and Rescue Coordinator.

### Evacuation

Dorchester EMS will support the County EM and Sherriffs Department in evacuation operations by notifying the public through utilization of mobile or fixed public address or alert systems, of evacuation procedures. Dorchester EMS will be supported by local fire, rescue, and emergency medical services.

#### 6.15.5 Parallel Actions

Dorchester EMS is the key agency for Emergency Medical Services and is a support agency for Radiation Exposure Control.

### Emergency Medical Services

The Dorchester EMS is the key County agency for Emergency Medical Services Operations and will utilize County Fire and Rescue Coordinator to direct the utilization of local and mutual aid ambulances and fire and rescue emergency medical services in providing emergency medical care.

A listing of support agencies is presented in Table 1-2, Agency Responsibility Matrix.

### Radiation Exposure Control

Dorchester EMS will support the County EM in radiation exposure control operations by monitoring public and emergency worker exposure and aiding in the decontamination of evacuees, emergency workers, equipment and materials.

#### 6.15.6 Public Information

All media requests for information must be forwarded to the County PIO. Any assistance requested by the County PIO will be provided.

## 7.0 COUNTY RESOURCES

A complete list of County resources is contained in the Dorchester County Resources Manual. Should the County require additional resources, requests will be made by the EM Director or contiguous Counties in accordance with mutual aid agreements to the State through the State EOC.

**TABLE 1-1****EMERGENCY FACILITY COMMUNICATION**

This table identifies the primary and alternate methods of communication between Dorchester County EOC and other emergency facilities which may be activated in response to an emergency at CCNPP.

<u>FACILITY/ ORGANIZATION</u>	<u>CONTACT</u>	<u>METHOD OF COMMUNICATION</u>
<u>State EOC</u>		
MEMA	1. MJOC  2. Alternate	1. NAWAS 2. MCD Radio 3. Radio Relay 4. Commercial Telephone 5. Internet
<u>Calvert EOC</u>		
EMA 1.	Director 2. Alternate Director	1. NAWAS 2. Commercial Telephone 3. Radio 4. Internet
<u>St. Mary's EOC</u>		
EMA 1.	Director 2. Deputy 3. Director	1. NAWAS 2. Commercial Telephone 3. Radio 4. Internet
<u>Accident AssessmentCenter</u>		
MDE	1. RHP Personnel	1. Commercial Telephone 2. Dedicated Line Telephone to EOF 3. CEG Radio 4. Internet
<u>CCNPP Emer. Oper. Facility</u>		
CEG	1. Emergency Coordinator	1. Dedicated Line Telephone 2. CEG Radio
<u>Media Center</u>		
CEG	1. Public Information Support Manager	1. Commercial Telephone



TABLE 1-2  
**DORCHESTER COUNTY**  
 AGENCY RESPONSIBILITY MATRIX

AGENCY	PROTECTIVE ACTIONS							PARALLEL ACTIONS						
	ACCIDENT ASSESSMENT	NOTIFICATION AND COMMUNICATION	COMMAND AND COORDINATION	THYROID PROTECTION	TAKE SHELTER	EVACUATION	ACCESS CONTROL	FOOD, WATER, MILK, AND LIVESTOCK FEED CONTROL	EMERGENCY MEDICAL SERVICES	RADIATION EXPOSURE CONTROL	LAW ENFORCEMENT AND CRIME PREVENTION	MASS CARE	RETRUN	PUBLIC INFORMATION
BOARD OF COUNTY COMMISSIONERS COUNTY ADMINISTRATOR	CMD	CMD	CMD	CMD	CMD	CMD INIT	CMD INIT	CMD INIT	CMD	CMD	CMD	CMD	CMD	S
PUBLIC INFORMATION OFFICER	PI 1A	PI 1A	PI 1A	PI	1A	PI 1A	PI 1A	PI 1A	PI 1A	PI 1A	PI 1A	PI 1A	PI 1A	KEY
EMERGENCY MANAGEMENT	COORD S, 3A	COORD KEY	COORD	COORD	KEY	COORD	COORD	COORD	COORD	COORD KEY	COORD	COORD	COORD KEY	S
SHERIFF	2A, 2B	S		1B, 1C	1B, 1C	KEY 1B, 1C	KEY				KEY		S	S
EMS		S	S	1B, 1C	1B, 1C	1B, 1C		KEY	4A, 4B 6A, 6B, 6C					S
TAYLORS IS. VFC				1B, 1C				S	4A, 4B 6A, 6B, 6C					
HEALTH DEPARTMENT	3B			KEY				S	5		S			S
BOARD OF EDUCATION						2A					S	2A		S
PUBLIC WORKS						2A	S					S		S
DEPARTMENT OF SOCIAL SERVICES											KEY			S
DOR. GEN. HOSPITAL								S	6B					S
AMERICAN RED CROSS											5			S
MSP – BARRACK I	2A, 2B			1B, 1C	1B, 1C	1B, 1C	S			S		S		S
DNR-NRP	2A, 2B, 3A			1B, 1C	1B, 1C	1B, 1C	S							S
MDE	KEY			INIT	INIT	INIT		INIT					INIT	S
DHMH	S, 3A							KEY						S
DEPT. OF GEN. SERVICES										4A, S		S		S
RADIOLOGICAL OFFICER										3A, 4A, 4B, 4C, 6A, 6B, 6C				S

**Notes**

CMD - Overall Command  
 COORD - Overall Coordination  
 PI - Public Information  
 KEY - Key Agency  
 S - Support Key Agency  
 INIT - Initiating Agency

**Support Agency Functions**

1A - Initial Public Notification via Radio or TV  
 1B - Initial Public Notification via Mobile and/  
 or Fixed Public Address or Alert System  
 1C - Initial Public Notification via Direct Contact  
 2A - Provide Transportation  
 2B - Provide Communications

3A - Field Monitoring  
 3B - Provide Sampling  
 4A - Monitor Evacuee Exposure  
 4B - Monitor Emergency Worker Exposure  
 4C - Monitor Equipment and Materials

5 - Keep Records/Submit Reports  
 6A - Decontamination of Evacuees  
 6B - Decon of Emergency Workers  
 6C - Decon of Equipment and Materials

**TABLE 1-3**  
**DORCHESTER COUNTY**  
**FUNCTIONAL RESPONSIBILITY AND KEY INDIVIDUALS LISTING**

<b><u>Function</u></b>	<b><u>Key Agency</u></b>	<b><u>Individual</u></b>	<b><u>Individual</u></b>
<u>Accident Assessment</u>	Department of the Environment	Secretary	Assistant Secretary
<u>Protective Actions</u>			
Take Shelter	Emergency Management.	Director	Asst Director
Thyroid Protection	Health Department.	Health Officer	Dir. Env. Health
Evacuation	Emergency Management	Director	Alt. Director
Access Control	Sheriff's Office	Sheriff	Chief Deputy
Food, Water, Milk, and Livestock Feed	Health Department (County Operations) Dept. Health &	Health Officer Secretary	Dir. Environmental Health/Deputy
Control	Mental Hygiene (State Operations)		Secretary
<u>Parallel Actions</u>			
Emergency Medical Services	Dorchester EMS	Fire & Rescue Coordinator	Alt. Fire and Rescue Coordinator
Radiation Exposure Control	Emergency Management	Director	Alt. Director
Law Enforcement and Crime Prevention	Sheriff's Office	Sheriff	Chief Deputy
<u>Function</u>			
Mass Care	Department of Social Services	Director	Asst. Director
Return	Emergency Management	Director	Alt. Director
<u>Public Information</u>	Emergency Management	EMPIO	Alternate

TABLE 1-4

EMERGENCY PLAN MAINTENANCE RESPONSIBILITY

<u>AGENCY</u>	<u>RESPONSIBLE INDIVIDUAL</u>
Board of Commissioners	Director of Emergency Management
Emergency Management Agency	Director of Emergency Management
Sheriff's Office	Sheriff
Taylor Island Volunteer Fire Company	Fire Chief
Health Department	Health Officer
Board of Education	Superintendent of Schools
County Department of Public Works	County Engineer
Department of Social Services	Director
Dorchester General Hospital	Administrator
American Red Cross	Chapter Chairman
Maryland State Police-Barrack I	Barrack Commander
Natural Resources Police	Assistant Chief, Marine Division
Cambridge City Police	Chief
Farm Service Agency – USDA	Executive Director
Dorchester EMS	EMS Coordinator

TABLE 1-5

RADIOLOGICAL MONITORING AND DECONTAMINATION CENTERS

EVAUEES

The following Assembly Areas will be equipped to monitor evacuees for radiological contamination. They will also be equipped to perform decontamination if necessary.

Maple Elementary School  
5225 Egypt Road  
Cambridge, Maryland

or

Cambridge-South Dorchester High School  
2475 Cambridge By-Pass  
Cambridge, Maryland

EMERGENCY WORKERS, EQUIPMENT AND MATERIALS

The following facility will be equipped to monitor emergency workers, equipment, and materials for radiological contamination and will be equipped to perform decontamination as necessary:

Maple Elementary School  
5225 Egypt Road  
Cambridge, Maryland

VEHICLES

The following area will be equipped to monitor vehicles for radiological contamination and will be equipped to perform decontamination as necessary.

Egypt Road Park  
Egypt Road (Across the highway from Maple Elementary School) Cambridge, Maryland

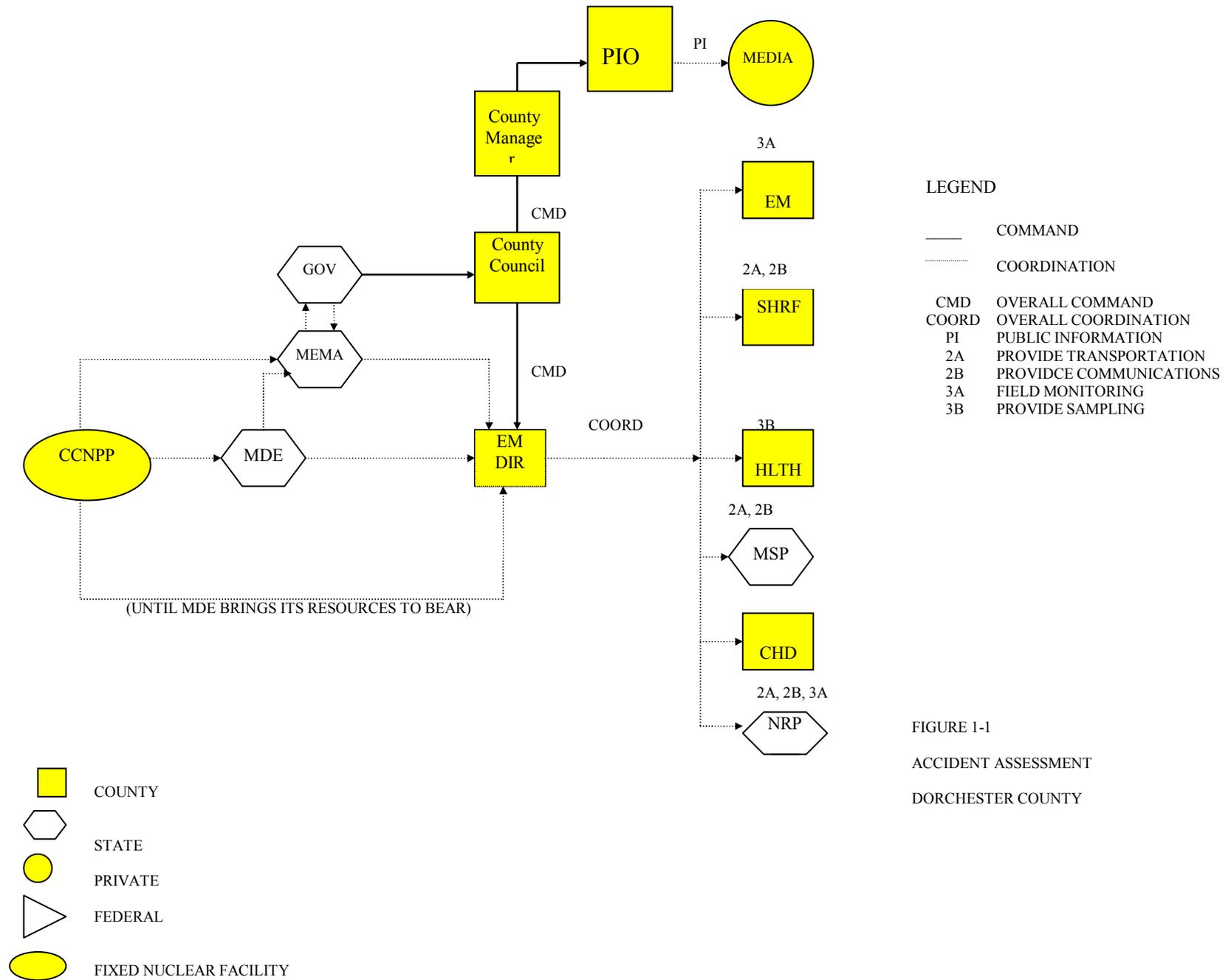
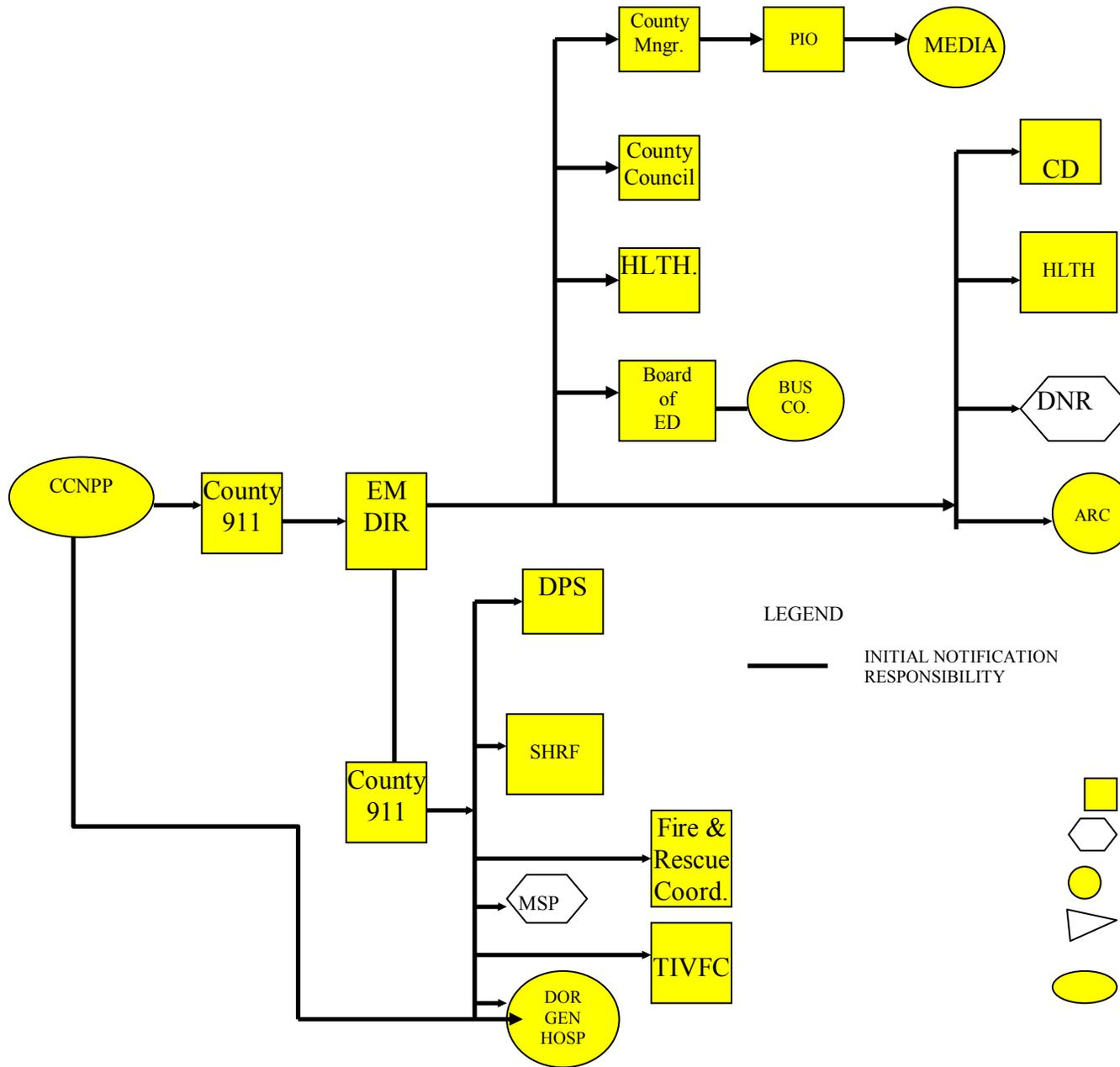


FIGURE 1-1  
 ACCIDENT ASSESSMENT  
 DORCHESTER COUNTY

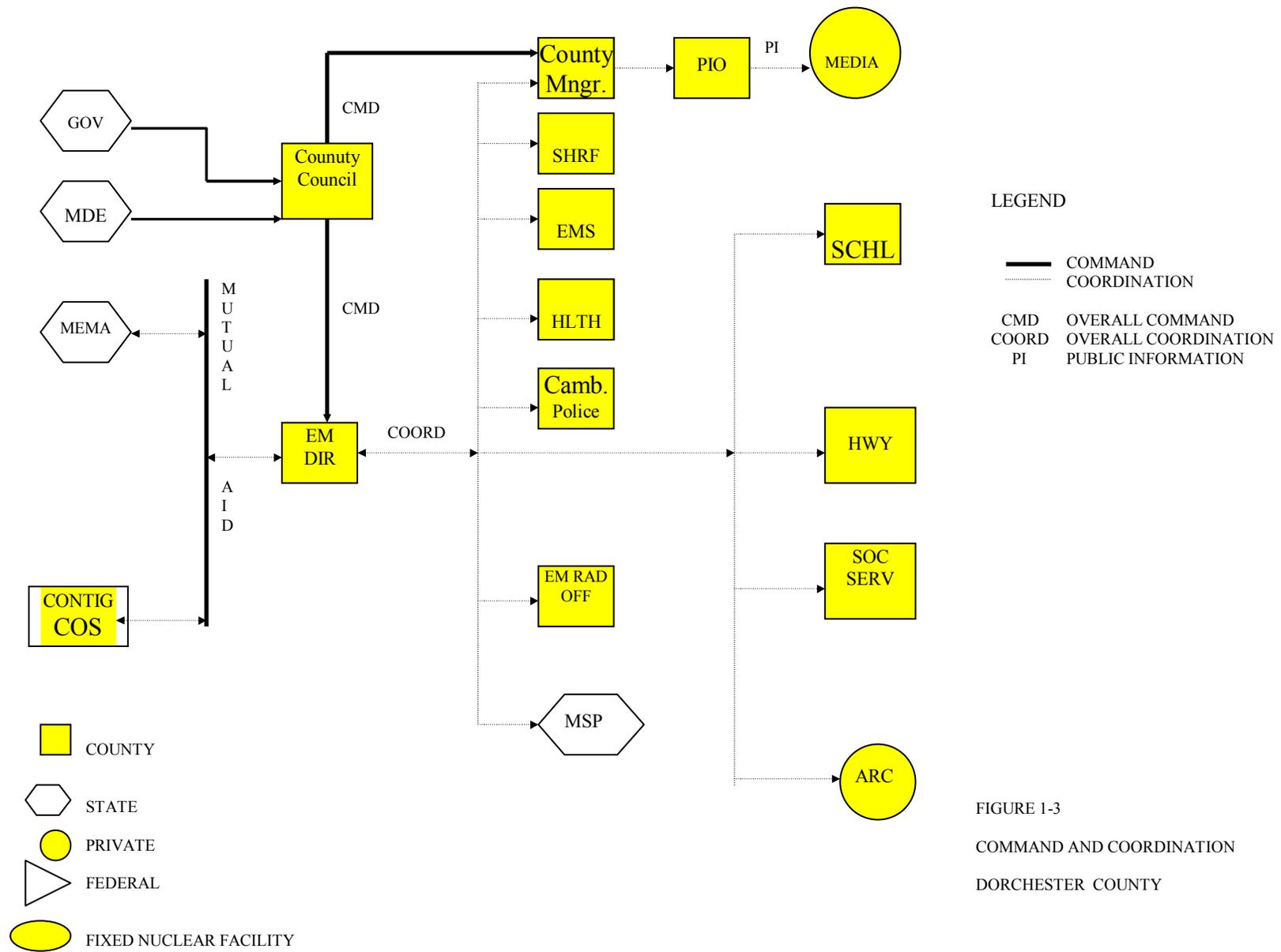


LEGEND  
 ——— INITIAL NOTIFICATION RESPONSIBILITY

FIGURE 1-2  
 INITIAL NOTIFICATION  
 DORCHESTER COUNTY

- COUNTY
- STATE
- PRIVATE
- FEDERAL
- FIXED NUCLEAR FACILITY

(INCIDENT INVOLVING INJURY TO PERSONNEL ONLY)



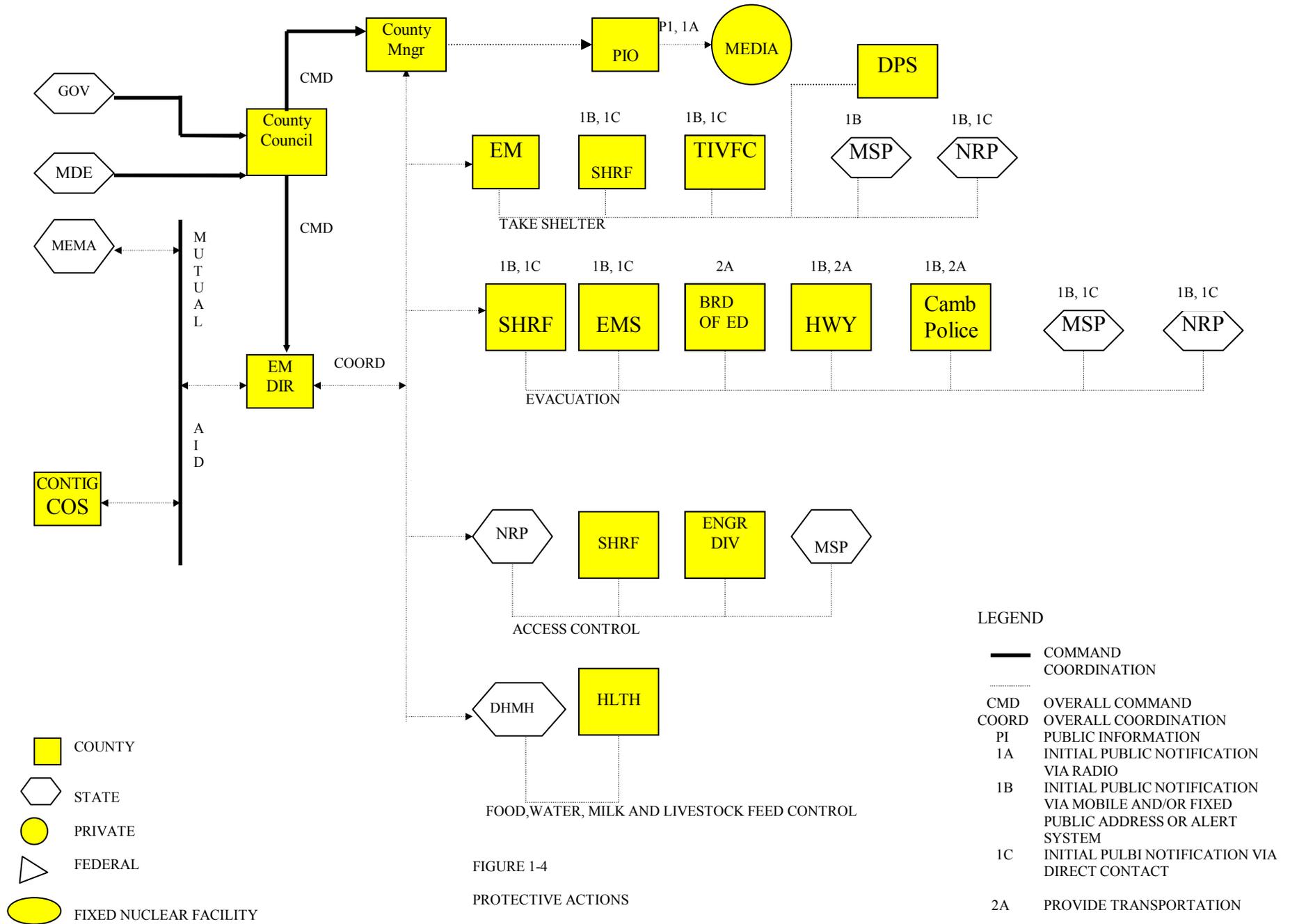
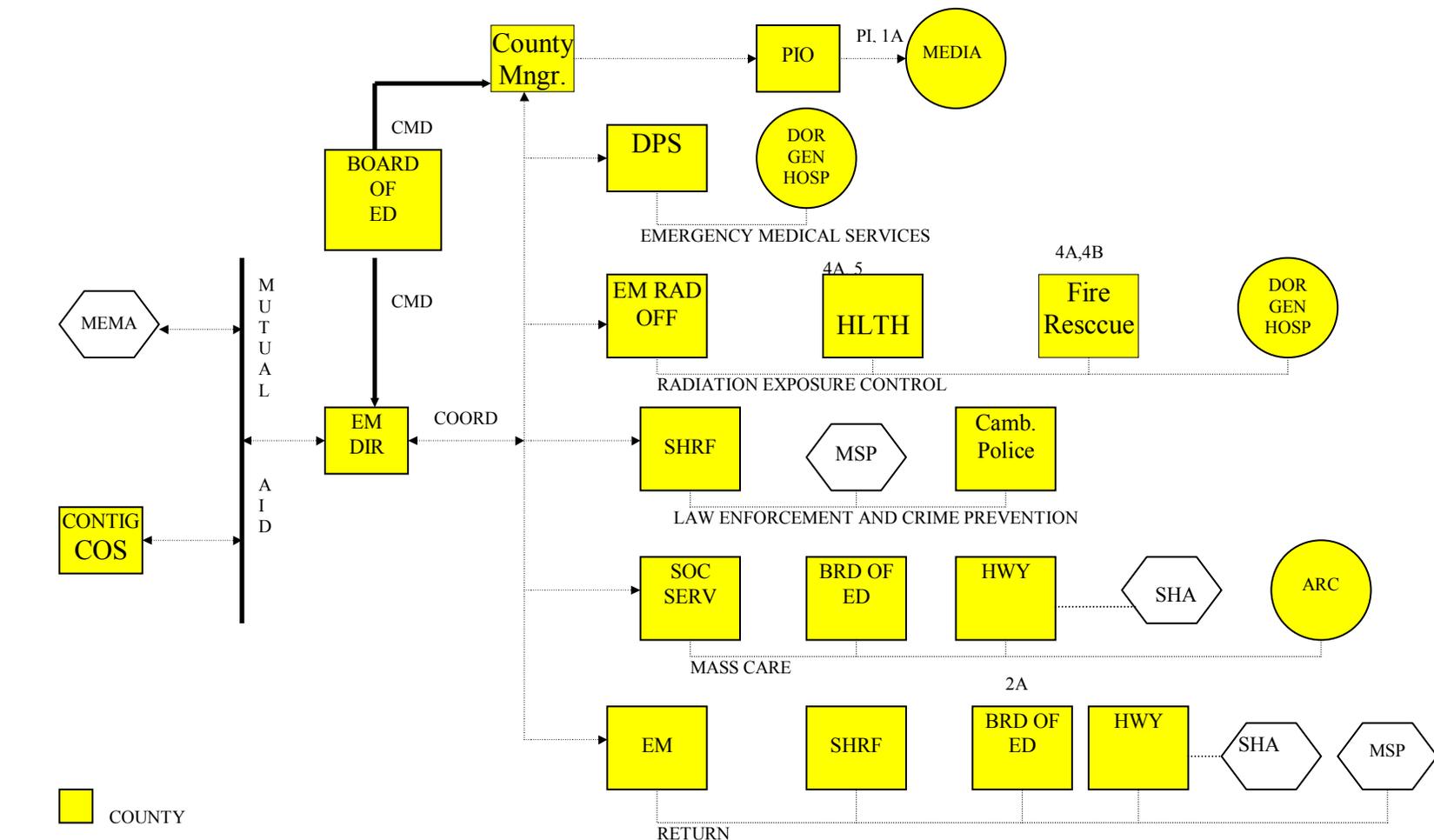


FIGURE 1-4

PROTECTIVE ACTIONS

DORCHESTER COUNTY



COUNTY

STATE

PRIVATE

FEDERAL

FIXED NUCLEAR FACILITY

FIGURE 1-5  
PARALLEL ACTION  
DORCHESTER COUNTY

LEGEND

— COMMAND  
..... COORDINATION

- CMD OVERALL COMMAND
- COORD OVERALL COORDINATION
- PI PUBLIC INFORMATION
- 1A INITIAL PUBLIC INFORMATION VIA RADIO OR TV
- 2A PROVIDE TRANSPORTATION
- 4A MONITOR EVACUEE EXPOSURE
- 4B MONITOR EMERGENCY WORKER EXPOSURE
- 5 KEEP RECORDS/SUMMIT REPORTS
- 6A DECONTAMINATION OF EVACUEE
- 6B DECON. OF EMERGENCY WORKER EXPOSURE
- 6C DECON OF EQUIP. AND MATERIAL

TO: State and County Departments and Agencies Having Functions in The  
Dorchester County REP

**SUBJECT: IMPLEMENTATION OF THE COUNTY RADIOLOGICAL  
EMERGENCY PLAN (REP) FOR CALVERT CLIFFS NUCLEAR  
POWER PLANT**

1. REFERENCES

- a. NUREG-0654-FEMA REP-1, Rev.1
- b. Annex Q (Maryland REP).

2. SCOPE

This memo is aimed to those County, State and Private Departments and Agencies having functions in the County Plan.

3. PURPOSE

The purpose is to outline the manner in which assigned functions are implemented and coordinated. It also provides requirements common to two or more organizations within the County.

4. CONCEPTS

- a. Implementation of the County REP is keyed either upon order (See Paragraph 8.f below) or to the four accident classifications (whichever occurs first) which are listed below in increasing order of severity:
  - (1.) Unusual Event
  - (2.) Alert
  - (3.) Site Area Emergency
  - (4.) General Emergency
- b. Activation of the County EOC is commensurate with the emergency class declared by CCNPP.

<u>Emergency Class</u>	<u>Level of Action</u>	<u>County Representative</u>
Unusual Event	None	None Required
Alert	Partial	Partial (as deemed necessary)
Site Area Emergency	Full	All*
General Emergency	Full	All*

\* County, State and Private Departments/Agencies having functions in the County REP will provide EOC representatives.

c. The six REP functions will be implemented according to the REP or when directed by the official listed in Paragraph 8.f.

- (1.) Accident Assessment - The State REP designates the Maryland Department of Environment (MDE) as having the primary or key role in Accident Assessment. Dorchester County will conduct additional field radiological monitoring in support of its own Accident Assessment. The Accident Assessment (Field Monitoring) SOP provides for specific details.
- (2.) Notification and Communications - Notification from CCNPP will be received by the 24-hour operated Central Communications Control via a dedicated "hotline" telephone connecting the EOC with the plant. A radio backup system will be used in case the landline system fails.

Initial notification fanout will be commensurate with the emergency class declared by CCNPP (See EOC SOP). Each organization having a function in the County REP will include in its own SOP's its fanout notification procedures.. Home and business telephone numbers are listed for all persons designated to receive a notification. Verification will be by callback unless secured tele-communications systems are used in transmitting the notification, or by voice recognition. Communications are discussed further in Paragraph 7.

- (3.) Command and Coordination - See Paragraph 8 below for detail on Direction and Control within the County.
- (4.) Protective Actions - Based on the information and recommendations from CCNPP, data from County and State field monitoring teams and recommendations or directives from the Governor or Secretary MDE, it may become necessary for the county to implement one or more Protective Actions. These include Take Shelter, Thyroid Protection, Evacuation, Access Control, and Food, Water, Milk and Livestock Feed Control. See Dorchester REP, for a discussion of each Protective Action. Additionally, Food, Water, Milk and Livestock Feed Control are further discussed in Annex Q, Ingestion Zone Operations.
- (5.) Parallel Actions - Soon after implementation of the Protective Actions, it may be necessary to initiate "parallel" efforts. These Parallel Actions include Emergency Medical Service, Radiation Exposure Control, Law Enforcement and Crime Prevention, Mass Care, and Return. See Dorchester REP, for a discussion of each Parallel Action.

- (6.) Public Information - While Protective and Parallel Actions are keyed to circumstances which may develop probably after the General Emergency is declared, the County Public Information Program may have to be activated earlier in time, either at the Alert or Site Area Emergency Notification level. See Public Information SOP for details.

## 5. RADIATION EXPOSURE CONTROL

Emergency Workers will not be allowed into controlled areas unless they have complied with the provisions of sub-paragraphs 5.a, 5.b, and 5.c below.

- a. All emergency workers must first check in at the Dorchester County EOC.
- b. Each emergency worker will obtain the following:
  - (1.) Direct reading dosimeters (DRD) or electronic personnel dosimeter (EPD))
  - (2.) A permanent dosimeter (TLD) - one for each emergency worker.
  - (3.) Radiation Exposure Records.
- c. Before departing on a mission, each emergency worker will:
  - (1.) Obtain the latest information of expected dose rates, stay times and other precautions.
  - (2.) Obtain and take Potassium Iodide (KI) as ordered by the County Health Officer.
  - (3.) Make sure that he or she has available or is equipped with a radio receiver which will allow receipt of information which may be critical to his/her health while in controlled areas. Transceivers are strongly recommended.
  - (4.) Protective clothing as necessary.
- d. Upon completion of a mission, the emergency worker:
  - (1.) Reports back, with the vehicle and equipment used, to the designated Reception Area or to original issue point, as appropriate.
  - (2.) Is checked for possible contamination and undergoes decontamination, if necessary. The vehicle and equipment will also be monitored and, if necessary, decontaminated.

- (3.) Turns in issued equipment and;
- (4.) Insures that his/her radiation exposure is recorded.
- (5.) Be informed if any further exposure is allowable.
- e. See Health Department SOP (Attachment #8) for conditions on allowable doses.
- f. The Calvert Cliffs Nuclear Power Plant, State and Federal personnel will make their own arrangements for providing personnel with the necessary dosimetry, radiation exposure records and information.

## 6. LOGISTICS AND SUPPLY

The County Emergency Management Director will provide guides as requested by any organization from outside the County.

- a. Normal supply procedures will apply. All requests for resources support, manpower, equipment, materials or food, will be directed to the County EOC, Attention: EMA Director or Alternate, who is responsible for coordination to insure uninterrupted provision of needed resources on a 24-hour basis.
- b. The Emergency Management Director may then either use local resources, forward the request to the State EOC, if local resources are inadequate, or request help from an unaffected contiguous county through the Local Mutual Aid Agreement (See Annex Z to State Disaster Assistance Plan for lists of jurisdictions that have ratified the LMAG).
- c. Normal procedures for refueling government-owned and emergency vehicles will apply.
- d. Private gasoline stations will be asked to stay open on a 24-hour basis, if circumstances dictate that an evacuation is necessary or imminent, or there is a need for round-the-clock refueling.
- e. Normal facilities for eating will be utilized. If necessary, the Emergency Management Agency Director or Alternate will ask eating establishments to stay open beyond normal working hours in order to accommodate emergency workers and EOC shift personnel. Or, circumstances may dictate the establishment of locations where food may be obtained, e.g. the high schools' cafeterias. Times and locations will be announced if this occurs.

- f. Federal Agencies and Federally contracted organizations requested by the County to provide off-site assistance will, as a condition to support, be required to furnish their own resources, including, but not limited to, transportation, personnel, lodging and communications. Local resources may be utilized, if available, but it is assumed that these will be exhausted.

7. COMMUNICATIONS

- a. Normal communications systems and procedures will apply. Primary means: Telephone within County and from County to other jurisdictions and the State EOC, Reisterstown. Secondary means: Existing radio systems. See Dorchester REP, for communications between emergency facilities.
- b. County EOC representatives occupy a table upon which are located unlisted telephones. Numbers will be provided at the time of emergency.
- c. The County Health Officer in the County EOC, Cambridge, will have available an unlisted telephone permitting quick contact with the Accident Assessment Center.
- d. Details concerning interface with communications of Federal off-site response organizations will be worked out with those organizations' advance parties prior to the arrival of the main parties in the County and the commencement of their operations. Details as to frequencies, call signs and Net Control System (NCS) will then be published and distributed.
- e. For rumor "hotline" see Paragraph 10 below.
- f. Telephone numbers for County agencies and State and private agencies operating within the County are listed in the EOC SOP.

8. DIRECTION AND CONTROL

- a. Line of succession to the Head of Government is as follows:
  - (1) President, County Council
  - (2) Vice-president, County Council
  - (3) Remaining members of the County Council by alphabetical order.
- b. Overall direction and control (including coordination of resource requests and utilization) will be from the County Emergency Operations Center (EOC), 829 Fieldcrest Road, Cambridge, Maryland.

- c. Alternate EOC will be at the City of Cambridge EOC, unless circumstances dictate otherwise.
  - d. County Official in charge of EOC and over-all coordination:
    - (1) County Emergency Management Agency Director
    - (2) County Alternate Emergency Management Agency Director.
    - (3) County Public Safety Director
  - e. County Official who is the principal spokesperson for the County Government is the President, Board of County Council; Alternate County Council, designated by the President of the Board of County Council.
  - f. Protective and Parallel Actions will be implemented on order of any of the following:
    - (1) Governor of the State of Maryland
    - (2) Secretary, Maryland Department of the Environment
    - (3) President, County Council, Dorchester County.
  - g. Control maps are available at the County EOC.
  - h. All personnel and emergency workers who reside within the 10-mile radius plume zone will insure, before reporting for duty, that their families are familiar with Protective Actions that may be directed by the County or State Government and that they have the capability of taking those actions.
9. RECORDS AND REPORTS
- a. All records of expenditures, message tapes, copies of messages, reports, overtime records, journals and other record of the accident must be retained, safeguarded and made available by the holder as/or until otherwise directed by the President, County Council of Dorchester County.
  - b. Status reports are due at the County EOC as directed. Negative reports are required.
10. RUMOR CONTROL
- A Rumor Control "hotline" will be established when the Site or General Emergency is declared. The hotline phone number will be released to local news media for dissemination to the public by the PIO at the time of the emergency.
11. These implementing instructions are effective for further planning immediately upon receipt and for implementation upon order or receipt of a particular accident notification, whichever occurs first.

\_\_\_\_\_/\_\_\_\_\_  
President                      Date  
County Council

Note: The REP/SOP was signed by Glenn L. Bramble on 5/9/95

DISTRIBUTION:

Councilmembers (1 each, total 5)  
County Manager (1)  
County Emergency Management Director (1)  
Radiological Officer (1)  
County Health Officer (1)  
Sheriff (1)  
Taylors Island Vol. Fire Company (1)  
Cambridge Police Department (1)  
Department of Public Works (1)  
Board of Education (2) (Transportation & Facilitator offices)  
Director, Dept. of Social Services (1)  
Director, American Red Cross, Dorchester Chapter (1)  
Maryland State Police (2) (Barracks Commdr & Cambridge Office)  
Dept. of National Resources Police (1)  
County Agricultural Agent (1)  
State EOC, Reisterstown, MD (1)  
Dorchester County EOC (6)  
State Fire Marshal for Dorchester County (1)  
CEG Calvert Cliffs Nuclear Power Plant (1)  
Dorchester General Hospital (1)  
Maryland Defense Force (1)  
Farm Service Agency – USDA (1)  
Dorchester EMS (1)

Total: 34

DORCHESTER COUNTY

**AGENCY STANDARD OPERATING PROCEDURES LISTING**

Attachment 1	County Council
Attachment 2	Emergency Operating Center
Attachment 3	Accident Assessment
Attachment 4	Radiation Exposure
Attachment 5	Public Information
Attachment 6	Sheriff's Office
Attachment 7	Taylor's Island Volunteer Fire Company
Attachment 8	County Health Department
Attachment 9	Board of Education
Attachment 10	Department of Public Works
Attachment 11	Department of Social Services
Attachment 12	Cambridge City Police
Attachment 13	American Red Cross, Dorchester Chapter
Attachment 14	Maryland State Police - Barrack "I"
Attachment 15	DNR-Natural Resources Police
Attachment 16	Dorchester General Hospital
Attachment 17	Farm Service Agency
Attachment 18	Dorchester EMS

**Attachment #1**

**DORCHESTER COUNTY**

**COUNTY COUNCIL**

**STANDARD OPERATING PROCEDURES**

**1.0 RESPONSIBILITIES**

The responsibilities of the County Council are outlined in the Dorchester County REP.

**2.0 COMMAND AND COORDINATION**

2.1 The President of the Council or alternate, as clarified in County Resolution 40, is in overall command of the County emergency response operations. He/she will establish liaison with the Governor's office through the State Emergency Management Agency (MEMA).

2.2 The President will notify and coordinate, or cause same, with the State EOC, contiguous County EOC's, and CCNPP of any contemplated/implemented protective and parallel actions, and changes thereto.

**3.0 IMPLEMENTATION**

This section identifies the pre-planned response to each emergency class declared by CCNPP. The accident classes are: Unusual Event, Alert, Site Area Emergency and General Emergency. Each of these classes require notification of applicable off-site agencies and support groups, and mobilization of the applicable portion of the emergency organization to cope with the emergency and continue the accident assessment function. The accident classes are defined below:

**Unusual Event** - The Unusual Event class provides for the notification of site occurrences in which a degradation of either nuclear fuel, reactor coolant system, or containment building has occurred and resulted in a plant unit being placed in a lower mode of operation as required by technical specifications. The incident is classified as a Unusual Event only if the event is a minor one and no releases of radioactive material requiring off-site response or monitoring are expected unless further degradation of safety systems occurs. Events in this class are selected based on a potential to degenerate to a more severe situation.

**Alert** - The Alert is classified as a condition where a degradation of either the nuclear fuel, the reactor coolant system, or the containment building has occurred and resulted in a plant unit being placed in a lower mode of operation as required by the technical specifications and combined with a radiological effluent release that could cause projected doses of 0.01 rem (CDE+CEDE) whole body at the site boundary.

The Alert class includes emergency situations that are expected to be minor in nature, but where it has been deemed prudent to notify some off-Site Area Emergency participants and mobilize a portion of the emergency organization. Because of the nature of the Alert class, (limited releases of radioactive material), off-site mobilization and assessment actions may be initiated to assure that emergency personnel are readily available to respond if the situation becomes more serious, to perform confirmatory radiation monitoring, if required, and to provide off-site personnel with off-site information as necessary. When an Alert has been declared by CCNPP, the EM Director may partially activate the EOC and the public may be notified .

**Site Area Emergency** - The Site Area Emergency class includes accident conditions in which actual or likely major failures of plant functions required for the protection of site personnel and the general public occur. The Site Area Emergency is classified as a condition where a degradation of either the nuclear fuel, the reactor coolant system, or the containment building has occurred. This results in a plant unit being placed in a lower mode of operation as required by the technical specifications and could cause a projected dose, at the protected area fence, equal to or greater than 0.1 rem (CDE+CEDE) to the whole body or 0.5 rem (CDE) to the thyroid. Although immediate protective actions are not automatically required, declaration of a Site Area Emergency will set into motion all personnel on-site and off-site that would be required to perform actions up to and including the evacuation of an on-site area. All monitoring teams that provide information required by the Site Area Emergency Coordinator will be dispatched. The Site Area Emergency class includes accidents which have a significant radiation release potential. Consideration will be given to issuing a Proclamation of a State of Emergency. (See Tabs A and A-1).

**General Emergency** - The highest class of emergency is the General Emergency. This classification includes accident conditions where a degradation of either the nuclear fuel, the reactor coolant system, or the containment building has occurred and results in a plant unit being placed in a lower mode of operation as required by the technical specifications. Any of the aforementioned may cause a projected dose at the site boundary of equal to or greater than 1.0 rem (CDE+CEDE) to the whole body or 5.0 rem (CDE) to the thyroid. The General Emergency warning indicates that predetermined protective actions for the public may have to be implemented, provides continuous assessment of information from plant and off-site agencies, and initiates additional measures as may be necessary due to actual or potential releases.

3.1 **Unusual Event** - No response required.

3.2 **Alert**

3.2.1 The President of the County Council, or his/her designee, upon notification from the County EMA Director, will report to the County EOC.

- 3.2.2 The President, or his/her designee, may direct County Central Warning to sound the CCNPP sirens to alert the public to tune in the local EAS station.
- 3.2.3 The President, or his/her designee, will review and release the EAS messages to the PIO for broadcast, as appropriate.

3.3 **Site Area Emergency**

- 3.3.1 Take the actions under 3.2, if not already accomplished.
- 3.3.2 Consider undertaking the appropriate actions after reviewing all available information and recommendations.
- 3.3.3 Consider the necessity of issuing a Proclamation of a State of Emergency after reviewing County capabilities to respond to the situation.

3.4 **General Emergency**

- 3.4.1 Same as Site Area Emergency

4.0 **NOTIFICATION AND COMMUNICATION**

4.1 **Initial Notification**

- 4.1.1 Upon notification of an emergency, verify the authenticity and content of the message by return call to the Emergency Management Director.
- 4.1.2 The President of the Council will ensure notification of all the other Commissioners.

4.2 **Communications**

- 4.2.1 Communications with other Councilmembers will be by commercial telephone.
- 4.2.2 Communications with the EOC will be by commercial telephone.
- 4.2.3 Communications with contiguous County EOC's will be by CCNPP direct hot-line phone, NAWAS, commercial telephone, State computer net, or by radio.

5.0 **ACCIDENT ASSESSMENT**

The President of the Council, or designee, is in overall command of County operations for accident assessment status. In the absence of any recommendations or directives from the Secretary, Maryland Department of the Environment (MDE), or the Governor, the Board will consult with the County Health Officer and the County Emergency Management Director to determine appropriate Protective Actions and Parallel Actions.

6.0 **PROTECTIVE ACTIONS**

The Council will oversee EMA and key County and support agency operations in the implementation of Protective Actions necessary to ensure public health and safety. These actions may consist of Take Shelter, Evacuation, Thyroid Protection, Access Control and Food, Water, Milk and Livestock Feed Control measures as may be recommended by the EOC staff members, Secretary, MDE, or the Governor.

7.0 **PARALLEL ACTIONS**

The Council will direct the EMA for overall coordination and the key County and support agencies operations in the implementation of Parallel Actions necessary to ensure public health and safety. These Parallel Actions include Emergency Medical Services, Radiation Exposure Control, Law Enforcement and Crime Prevention, Mass Care and Return.

8.0 **PUBLIC INFORMATION**

The EMA Public Information Officer, under the command of the Board, is the designated PIO for the County. The PIO will implement the County Public Information Program to keep the public informed of the situation. The Public Information Program is contained in the Public Information SOP (Attachment #5) which contains sample news releases and media contact numbers. The PIO will keep the State, Calvert County and St. Mary's County PIO's informed of all news releases.

9.0 **SOP REVIEW AND UPDATING**

The EMA Director will coordinate, review and update this SOP as required.

Tab A

Proclamation of a State of Emergency Form

**PROCLAMATION**

WHEREAS, I, (1) \_\_\_\_\_ (2) \_\_\_\_\_

\_\_\_\_\_ (have been advised and informed - have ascertained by personal observation and inspection), that as a result of (3) \_\_\_\_\_

\_\_\_\_\_ in the area(s) of (4) \_\_\_\_\_

there (has - have) been widespread injuries to persons - great loss of human life - vast destruction of property - a threat of danger to residents, food, livestock and water - in said area(s); NOW THEREFORE, I do hereby proclaim pursuant to the authority invested in me by (5) \_\_\_\_\_

\_\_\_\_\_ that a State of Emergency exists in (6) \_\_\_\_\_

GIVEN Under My Hand and (7) \_\_\_\_\_  
in (8) \_\_\_\_\_  
this (9) \_\_\_\_\_ day of (10) \_\_\_\_\_  
at (11) \_\_\_\_\_ In the Year of our Lord (12) \_\_\_\_\_

Tab A - State of Emergency Proclamation - cont.

Page 2

/s/ \_\_\_\_\_

(13) \_\_\_\_\_

SEAL

(14) \_\_\_\_\_

ATTEST:

/s/ \_\_\_\_\_

(15) \_\_\_\_\_

(16) \_\_\_\_\_

TAB A-1

**INSTRUCTIONS FOR COMPLETION OF FORM FOR PROCLAMATION OF AN EMERGENCY**

A. Blanks should be filled in as follows:

- (1) Name of official making the proclamation.
- (2) Title of official making proclamation; e.g., President of the County Council.
- (3) Cause of disaster, e.g., incident at Calvert Cliffs Nuclear Power Plant - hurricane of great and violent force - tornado, etc.
- (4) Affected political or geographic area.
- (5) Source of authority to make proclamation, e.g., Constitution and the Laws of the State of Maryland.
- (6) Political or geographic area involved.
- (7) Seal to be attached; e.g., County Seal.
- (8) Place where proclamation is being made; e.g., Cambridge, MD.
- (9) Day of proclamation.
- (10) Month of proclamation.
- (11) Time of day of proclamation.
- (12) Year of proclamation.
- (13) Same as (1). Printed or typed.
- (14) Same as (2). Printed or typed.
- (15) Name of attesting official. Printed or typed.
- (16) Title of attesting official. Printed or typed.

B. Select appropriate language from with-in the parentheses.

Tab B

NOTIFICATION LIST

List maintained in EOC

**Attachment #2**

**DORCHESTER COUNTY**

**EMERGENCY OPERATIONS CENTER**

**STANDARD OPERATING PROCEDURE**

**1.0 RESPONSIBILITIES**

The responsibilities of the County Emergency Management Agency are outlined in the Dorchester County REP. EMA is the overall coordinating agency for County agency actions.

**2.0 COMMAND AND COORDINATION**

- 2.1 The EMA Director, designated alternate EMA Director or the Director of Public Safety is in charge of the County emergency response operations, subject to the direction of the President of the County Council. The Director is responsible for ensuring that the agency is properly staffed and sufficient personnel are available for 24-hour operations for a protracted period.
- 2.2 Normal procedures will be utilized for obtaining necessary resources. When County resources become exhausted, requests for additional resources will be made to the Director, MEMA, in Reisterstown, Maryland.
- 2.3 A record of activities shall be kept during the emergency. A record of man-hours expended and other costs shall be maintained and submitted to the State Director at MEMA at the end of the emergency. Receipts will be provided.
- 2.4 The EMA Director will ensure coordination and notification of contiguous counties; Secretary, MDE; State EOC; and CCNPP of any implemented or completed public information activities, protective and parallel actions, and changes thereto.

**3.0 IMPLEMENTATION**

This section identifies the pre-planned response to each emergency class declared by CCNPP. Refer to Dorchester REP, Annex P to County Emergency Operations Plan, for a description of each emergency class.

**3.1 Unusual Event**

- 3.1.1 The EOC is **NOT** activated.
- 3.1.2 The EMA Director will implement Unusual Event notification fan-out, (Tab A) with telephone number listing (Tab D).

3.2 **Alert**

- 3.2.1 The EMA Director will implement the Alert notification fan-out, (Tab B), with telephone number listing (Tab D).
- 3.2.2 The County EOC may be fully or partially activated.
- 3.2.3 Notify the RDO to have field monitoring teams on standby.
- 3.2.4 The EMA Director, or designee, may activate the warning system sirens, when directed by the County Council.
- 3.2.5 Notify the PIO to implement the Public Information Program. (See Attachment #5).
- 3.2.6 Notify RDO to prepare to move radiation exposure equipment (TLD's, DRD's, and radiological instruments) and records to assembly areas for emergency workers.
- 3.2.7 EMA Director informs Calvert County and St. Mary's County EMA Directors of actions taken.

3.3 **Site Area Emergency**

- 3.3.1 The EMA Director will implement the Site Area Emergency notification fanout (Tab B).
- 3.3.2 The County EOC will fully activate.
- 3.3.3 Notify RDO to move radiation exposure instruments and records to assembly areas for emergency workers.
- 3.3.4 Notify RDO to brief and dispatch ground monitoring teams. (See Accident Assessment and Radiation Exposure Control SOP's).
- 3.3.5 Notify PIO to continue the Public Information Program.
- 3.3.6 Activate the rumor control staff to prepare for informational calls.
- 3.3.7 Notify RDO and County Health Officer to implement Radiation Exposure Control procedures.
- 3.3.8 The County EMA Director and EOC staff may implement Protective and Parallel Actions on the order of the Governor, the Secretary of MDE or the President, County Council. (See Tab I)
- 3.3.9 EMA Director informs Calvert County and St. Mary's County EMA Directors and State EOC of actions taken.

3.4 **General Emergency**

- 3.4.1 The EMA Director will implement the General Emergency notification fan-out (Tab B).
- 3.4.2 The County EOC will fully activate.
- 3.4.3 The EMA Director will keep the State EOC informed of developments.
- 3.4.4 A State liaison to the County EOC should arrive.
- 3.4.5 Radiation Exposure Control SOP will to be in effect.
- 3.4.6 The Public Information Program will continue.
- 3.4.7 The EMA Director and EOC staff will implement Protective and Parallel Actions as directed by the Secretary-MDE or the County Council. (See Tab I)
- 3.4.8 Consideration will be given to establishing Access Control Points.
- 3.4.9 Consideration will be given to issuing a Declaration of Emergency when any Protective or Parallel action is implemented.
- 3.4.10 Reception Centers and Mass Care Centers will be kept informed of evacuation progress.
- 3.4.11 Requests for assistance and emergency funding will be submitted to State EOC as required.
- 3.4.12 The EMA Director will assure that the RDO plots and reports readings from ground monitoring teams to MEMA and MDE (through State Liaison Officer).
- 3.4.13 The EMA Director will assure that the County Health Officer, or his designee, issues Potassium Iodide (KI) as required to all emergency workers at Assembly Areas (130 milligrams once a day, not to exceed 10 days), if conditions warrant potential usage.
- 3.4.14 The EMA Director will assure that the Sheriff sets up Access Control points and instructs personnel to permit access only to authorized individuals properly equipped with self-protection equipment, dosimeters, Radiation Exposure forms and radio-equipped vehicles capable of maintaining contact with County EOC. Other EOC staff will be reminded to advise their emergency workers of these restrictions. Exception: CCNPP Personnel.
- 3.4.15 The EMA Director will ensure that the County Health Officer has established communications with MDE, AAC.

3.4.16 The EMA Director informs Calvert and St. Mary's EMA Directors of actions taken.

#### 4.0 **NOTIFICATION AND COMMUNICATION**

##### 4.1 **Initial Notification**

- 4.1.1 The County 9-1-1 Center is the key agency for notification and communication.
- 4.1.2 Upon notification of any emergency from CCNPP over the dedicated phone, complete the Initial Accident Report Form provided by CCNPP or similar form.
- 4.1.3 County 9-1-1 and/or the EMA Director will contact agencies at Tab A or B as appropriate for the emergency class.
- 4.1.4 Dorchester County's siren warning system is in place and operational. It will be used as the primary means of notification of the public. The system is tested on a regular basis. The tone controlled activation equipment is located in the EOC, located with the EMA at 829 Fieldcrest Road, Cambridge, Maryland. Back-up route alerting occurs at each A&N sequence if a siren indicates it did not activate.

##### 4.2 **Communication**

- 4.2.1 Communications with agency personnel will be by routine channels (commercial telephone).
- 4.2.2 Communications with field monitoring teams are by Fire and Rescue and State Police radio nets.
- 4.2.3 All other communications with County agencies, contiguous counties and State agencies are by commercial telephone, ECOMM, NAWAS, or radio as shown in Dorchester REP, Emergency Facility Communications.
- 4.2.4 Communications with the public is through WCEM AM/FM and WCEI, the local EAS stations, and the news media. (See Attachment #5.)
- 4.2.5 Rumor Control for the public is provided through the County EMA office.
- 4.2.6 See Tab H for radio frequencies of State and Local agencies.

## 5.0 **ACCIDENT ASSESSMENT**

- 5.1 The EMA Director maintains contact with the RDO to obtain the most current field monitoring data and CCNPP data and recommendations.
- 5.2 The EMA Director maintains contact with the County Health Officer to obtain the most current data and recommendations from the Maryland Department of the Environment (MDE).
- 5.3 The EMA Director maintains contact with the Maryland Emergency Management Agency Operations Group to obtain recommendations from the Governor or the Secretary, MDE, regarding Protective and Parallel Actions.
- 5.4 The EMA Director evaluates the data and/or recommendations to aid him/her in making recommendation to the County Council. Tabs E, F, and G, attached to this SOP, aid in making the decision to Take Shelter, Thyroid Protection or Evacuation. Other Protective and Parallel Actions are initiated as appropriate to the foregoing decision.
- 5.5 Under the direction of the County Council, the EMA Director activates the appropriate key County, State and private departments and agencies. The key agency activates the support agencies as needed.

## 6.0 **PROTECTIVE ACTIONS**

### 6.1 **Take Shelter**

When the decision is made to Take Shelter, the EMA Director takes the following actions:

- 6.1.1 Informs the EOC staff of the decision and directs the appropriate agencies to initiate the required actions.
- 6.1.2 Provides specific information to the PIO for use in preparing public information releases. Review the news releases. Submit the announcement to the Board of County Council for approval to be broadcast over the Emergency Alert System (EAS).
- 6.1.3 If the warning sirens have not been sounded prior to the decision, they are now activated.
- 6.1.4 Coordinate decision with Maryland Emergency Management Agency (MEMA), and contiguous counties using TAB 1, Protective Action Decision Alert and Notification Coordination.

## **6.2 Thyroid Protection**

The decision for the general public to ingest KI will normally be done in conjunction with Take shelter or Evacuation. When the decision is made to implement Thyroid Protection, the EMA Director takes the following actions:

- 6.1.1 Informs the EOC staff of the decision and directs the appropriate agencies to initiate the required actions.
- 6.1.2 Provides specific information to the PIO for use in preparing public information releases. Review the news releases. Submit the announcement to the County Council for approval to be broadcast over the Emergency Alert System (EAS).

## **6.3 Evacuation**

The coordination activities in the EOC are the same as for Take Shelter. In addition, the following actions are also taken:

- 6.3.1 Maintain periodic contact with MEMA.
- 6.3.2 Coordinate the resources of various key and support agencies.
- 6.3.3 Insure that evacuation routes are passable through evaluation of current road conditions and any potential impediments (snow, ice, flooding, construction, bridges) and coordinate actions of key and support agencies.
- 6.3.4 All residents in the plume zone area needing transportation to the reception center at Maple Elementary School will meet at the Taylors Island Volunteer Fire Company facility. Residents needing transportation to the Taylors Island Volunteer Fire Company will be advised via EAS to call the EOC for assistance.
- 6.3.5 The Department of Social Services, County Health Department and Board of Education will provide assistance in identifying handicapped people or people with special needs. This information will be made available to the Transportation Supervisor in time of an emergency. There will be an ongoing process to compile and maintain this information in current files by the above designated agencies.

## **6.4 Access Control**

The EMA Director will maintain contact with the Sheriff to assure that Access Control is performed and maintained in accordance with the Sheriff's SOP (Attachment #6).

6.5 **Food, Water, Milk and Livestock Feed Control**

When the control and replacement of the above commodities is determined necessary by the Secretary, MDE, the following actions are taken by the EMA Director:

- 6.5.1 Inform the EOC staff of the decision and direct the appropriate agencies to initiate any required actions.
- 6.5.2 Provide specific information as received from MDE to the PIO for use in preparing public information announcements. Read the news release, submit the announcement to the County Council for approval to be broadcast over the Emergency Alert System (EAS) and to release to other news media.
- 6.5.3 In coordination with State and Local agencies, arrange for the replacement of contaminated commodities.

7.0 **PARALLEL ACTIONS**

7.1 **Emergency Medical Services**

The EMA Director will maintain communications with the Dorchester EMS and County Fire and Rescue Coordinators to assure that the Emergency Medical Services are maintained.

7.2 **Radiation Exposure Control**

The EMA Director coordinates Radiation Exposure Control with the following actions:

- 7.2.1 Maintains and safeguards, in the EOC, Radiological Monitoring and dosimetry equipment for distribution by the RDO.
- 7.2.2 Assures that the RDO coordinates the distribution of Radiological Monitoring and self-protection equipment and Radiation Exposure record forms.
- 7.2.3 Makes available to the RDO any and all information pertaining to the possible health effects on emergency personnel in the plume zone and individuals providing assistance in decontamination actions.
- 7.2.4 Assures that the County Health Officer maintains on file the radiation exposure records of emergency personnel and the public sector.

- 7.2.5 Assures that the RDO establishes and activates decontamination procedures.
- 7.2.6 Assures that contaminated materials are collected and disposed of in accordance with MDE guidelines.

7.3 **Law Enforcement**

The EMA Director assures that the Sheriff and support law enforcement agencies act in a concerted effort to maintain law and order and prevent crime in affected areas.

7.4 **Mass Care**

The EMA Director takes the following actions:

- 7.4.1 Assures that the Department of Social Services and Red Cross are notified to activate the Mass Care center and that the center is adequately staffed and stocked.
- 7.4.2 Maintains a file of all evacuees in order to answer inquires.

7.5 **Return**

The EMA Director takes the following actions:

- 7.5.1 Considers return announcement from MDE and MEMA, consults with EOC staff, evaluates overall situation, and makes recommendation to the County Council for their approval to return.
- 7.5.2 Announces to the EOC staff that approval to return has been authorized by the County Council and directs appropriate agencies to initiate required actions.
- 7.5.3 Provides specific information to the PIO for use in preparing public information releases. Reviews news release and submits announcements to the County Council for approval to be broadcast over EAS and to be published in other media.
- 7.5.4 Notifies MEMA, CCNPP and contiguous counties of decision and when return operations commence and when accomplished.

8.0 **PUBLIC INFORMATION**

The EMA Director takes the following actions:

- 8.1 Provides the PIO with copies of incoming and outgoing messages.

- 8.2 Briefs the PIO periodically, or as required, with current information pertaining to EOC operations and CCNPP status.

9.0 **TRAINING**

- 9.1 The EMA Director coordinates training with MEMA and other organizations for emergency response personnel during the pre-emergency phase.
- 9.2 The EMA Director supervises and expedites training such as radiological monitoring, decontamination and self-protection procedures.
- 9.3 The EMA Director reviews requirements for further training resulting from information gained during exercises and drills.

10.0 **EXERCISES/DRILLS**

The EMA Director assures exercises/drills are conducted in accordance with the Dorchester County REP, Plan Testing and Maintenance.

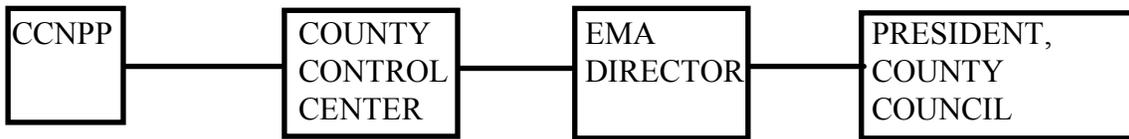
11.0 **SOP MAINTENANCE**

The EMA Director is responsible for maintenance of this SOP on an annual basis, with telephone lists reviewed quarterly.

TAB A

DORCHESTER COUNTY

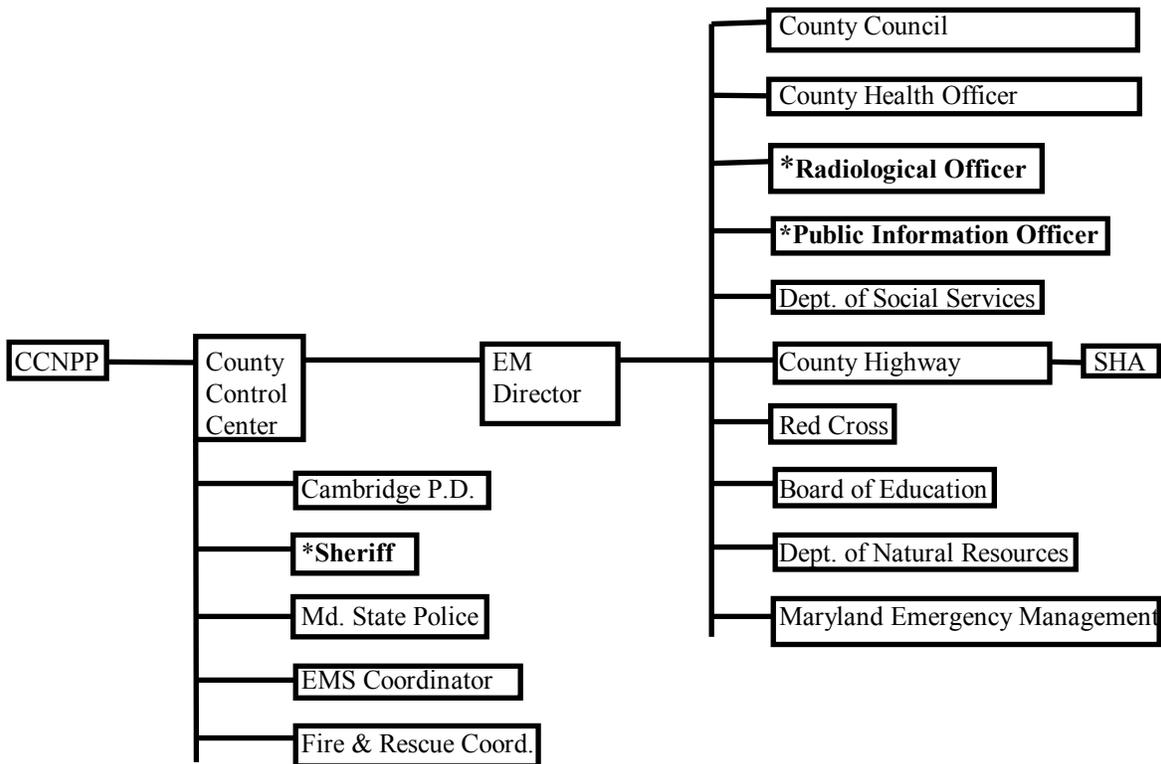
UNUSUAL EVENT NOTIFICATION



TAB B

DORCHESTER COUNTY

**ALERT, SITE AREA EMERGENCY OR GENERAL EMERGENCY  
NOTIFICATION**



\* Agency Representatives who report to EOC for Partial Activation

Tab C  
**CALVERT CLIFFS INITIAL NOTIFICATION FORM**

Use CCNPP ERPIP 3.0 Attachment 3, Initial Notification Form

**TAB D**  
**TELEPHONE CALL LIST**

List maintained in EOC

TAB E

EVACUATION TIME ESTIMATES

(See Current Evacuation Time Estimate for CNPP Maintained in EOC)



**TAB H****RADIO FREQUENCIES AND BUSINESS TELEPHONE NUMBERS**

**NOTE:** EOC Communications Center has radio capabilities with all the following agencies:

<b><u>AGENCY</u></b>	<b><u>FREQUENCY</u></b>	<b><u>BUSINESS PHONE</u></b>
Maryland Emergency Management Agency	143.040 Mhz	410/517-3600 1-877-636-2872
Calvert Cliffs Nuclear Power Plant	153.44000 800 Mhz	410/495-5201/5202
<b>County Central Warning</b>	800 Trunk System	410/228-2222
<b>Sheriff's Office</b>	800 Trunk System	410/228-4141
<b>County Highway</b>	800 Trunk System	410-228-2920
<b>County Health Department</b>	800 Trunk System	410/228-3223
<b>Board of Education</b>	158.754 Mhz	410/228-4747
<b>County Planning &amp; Zoning</b>	800 Trunk System	410/228-3234

**Note:** All systems in **bold** type are on the new County 800 Mhz Rad

**TAB I**  
**Protective Action Decision**  
**Alert and Notification**  
**Coordination**

**Purpose**

Coordination of Protective Action Orders, Siren Activation and EAS Message dissemination for incidents at the Calvert Cliffs Nuclear Power Plant.

When a Protective Action has been agreed upon by appropriate Maryland Organizations then:

- 1.) Ensure MEMA, Sec.-MDE, and Calvert, St. Mary's and Dorchester County Directors are concurrently on a conference line or separate phone line.

Sec.-MDE _____	St. Mary's _____
Calvert _____	Dorchester _____
MEMA _____	

- 2.) Inform the Secretary-MDE that agencies are prepared to implement the Protective Action Order.
- 3.) Coordinate the action of sirens and EAS message.

The Secretary-MDE has issued a Protective Action Order at _____	(Insert Time)	T
Sound the Sirens * at ( + 10 Minutes)	_____	T 2
*Simulate for exercise	(Insert Time)	
Activate EAS Message * ( + 3 Minutes)	_____	T 2 +
3		
*Simulate for exercise	(Insert Time)	

- 4.) Confirm Siren Activation and EAS Broadcast.
- 5.) Send facsimile of this report to all coordinating agencies.

**Attachment #3**

DORCHESTER COUNTY  
**ACCIDENT ASSESSMENT**  
(FIELD MONITORING)

**1.0 PURPOSE**

To establish responsibilities and procedures for Accident Assessment and for field monitoring of radioactive plume in Dorchester County.

**2.0 RESPONSIBILITY**

The County Radiological Defense Officer (RDO) is responsible for the organization, training, direction and field operation of the County Radiological Monitoring teams. The RDO is assisted during 24-hour operations by the Assistant RDO.

**3.0 CONDITIONS AND PRE-REQUISITES**

- 3.1 Trained personnel will be designated to function as radiological monitors. Each team will consist of two monitors.
- 3.2 Field monitoring teams will be assigned predesignated fixed monitoring (survey) points by the County Radiological Defense Officer (RDO) as described in Tab B.
- 3.3 Monitoring equipment for the County radiological monitoring teams will be provided at the County EOC by the RDO or his designee. CDV 777-1R instrument and Eberline E-520 or PIC 6 survey meters, direct-reading dosimeters (DRD) and permanent dosimeters (TLD) will be stored at the Dorchester County Emergency Operations Center (EOC) for distribution. See Tab C for a list of monitoring equipment.
- 3.4 The field monitoring teams will utilize the appropriate procedures as described in Tab D.
- 3.5 Each field monitoring team will be issued the following equipment before leaving on a mission:
  - Survey Meter, E-520 or PIC 6 or CDV-700 or equivalent.
  - Direct Reading Dosimeter (for each team or team member).
  - TLD (one for each team member).
  - Radiation Exposure Record (one for each team member).
  - Monitoring Forms; and
  - Protective Clothing (as required for each team member).
- 3.6 Each team member will be issued the thyroid radioprotective drug, Potassium Iodide(KI), The KI should only be ingested when directed by the County Health Officer or designee, and recorded on the Radiation Exposure Record (Tab E).
- 3.7 The Radiation Exposure Control SOP will be in effect during monitoring missions.

- 3.8 Milk, soil and vegetation sampling will be conducted by the Maryland Department of the Environment (MDE).

#### 4.0 **IMPLEMENTATION**

This section identifies the pre-planned response to each emergency class declared by CCNPP. Refer to the Dorchester REP, for a description of each emergency class.

##### 4.1 **Unusual Event**

No actions required.

##### 4.2 **Alert**

- 4.2.1 RDO reports to the County EOC.

- 4.2.2 RDO notifies field monitoring team personnel to standby.

##### 4.3 **Site Area Emergency and General Emergency**

- 4.3.1 RDO notifies field monitoring team personnel to report to the County Emergency Operations Center.

- 4.3.2 RDO briefs field monitoring team personnel on the situation using Tab D and known prevailing conditions, assigns team missions (Tab B), and dispatches teams as required.

- 4.3.3 The RDO will evaluate the data reported by the field monitoring teams; post on EOC situation map; and advise the EM Director on the radiological situation in the County.

- 4.3.4 The RDO will report any field monitoring data, positive or negative, to the MDE Accident Assessment Center.

#### 5.0 **TRANSPORTATION**

Personal transportation and emergency transportation vehicles (fire and rescue, Maryland State Police, Sheriff's Office, State/County Health, etc.) will be utilized. Agencies will be called upon to provide support vehicles for assignment by the EOC on a needed basis.

#### 6.0 **COMMUNICATIONS**

The following types of communications systems will be used as indicated:

- 6.1 EOC to Reception/Mass Care Center: telephone, police radio, fire and rescue radio and messengers.

- 6.2 EOC to/from Field Monitoring Teams as available:

Fire & Rescue Radio	County Highway Radio
Telephone	Radio (REACT net)
Messengers	Police Radio

6.3 The EOC will keep all operations personnel advised of communications systems in service and specify the priority for use.

7.0 **RECORDS**

A record of activities shall be kept during the emergency. A record of man-hours expended and other costs shall be maintained and submitted to the County Emergency Management Director at the end of the emergency.

8.0 **TRAINING**

The County RDO and field monitoring teams will maintain technical proficiency through training as advised by the EM Director.

9.0 **SOP REVIEW AND UPDATING**

The RDO is responsible for maintenance of this SOP on an annual basis, with personnel and telephone lists reviewed quarterly or more frequently as changes occur.

TAB A	Radiological Monitor Call List
TAB B	Established Survey Points (Directions for Location)
TAB B1	Survey Point Map
TAB C	Radiological Equipment Listing
TAB D	Field Monitoring Procedures
TAB E	Radiation Exposure and KI Record
TAB F	Survey Point Dose Rate Form

**TAB A**

**RADIOLOGICAL MONITOR CALL LIST**

List maintained in EOC

**TAB B**

**ESTABLISHED SURVEY POINTS**

(Directions for Locations)

**POINT #41** - Carpenters Marina & Campground, east side of Bay Shore Rd.

**POINT #42** - Second (northern) intersection of Hoopers Neck Road and Bay Shore Road coming from the village of Taylors Island.

**POINT #43** - Firehouse, past bridge on Taylors Island Road (Rt. 16) going west toward the village of Taylors Island.

**POINT #44** - Access Control Point at Smithville Road and Rt. 16.

**POINT #45** - House at the end of the bridge at the intersection of Punch Island Road and the bridge coming from Robinson Neck Road.

**POINT #46** - House at right turn bend at the southern end of Robinson Neck Road.

**POINT #47** - First building on left on Meekins Neck Road past intersection of Meekins Neck Road and Hoopers Island Road (Rt. 335).

Refer to "CEG Emergency Response Plan 10-Mile Radius Emergency Planning Zone Map" or "Radiological Monitoring Points for Calvert Cliffs Nuclear Power Plant" for detailed maps and directions to these survey points.

**TAB C****RADIOLOGICAL EQUIPMENT LISTING**

<u>Number</u>	<u>Description</u>
6	CDV Monitoring Kits (County EOC)
2	E-520 Eberline m/R instruments w/probe (CEG)
2	PIC-6B Instruments (CEG)
6	RaDDose Inspector (County EOC)
10	CDV-742 Dosimeters (0-200 R range) (Lifesaving missions only)
55	CDV 730 Dosimeters (0-20 R range)
60	RAD – 60 Electronic Dosimeters
55	TLD's (film badges - CEG)
8	Dosimeter chargers w/batteries
1	Portal Monitor

**PROTECTIVE DEVICES**

1,400 doses Potassium Iodide (KI) stored and maintained at the County Health Department

100 pair of disposable overalls - County EOC

100 pair of disposable booties - County EOC

## **TAB D**

### **FIELD MONITORING PROCEDURES**

#### **A. OBJECTIVE**

The purpose of this section is to describe field measurement for determining the extent of any potential off-site radiological consequences resulting from the releases of radioactivity occurring during emergency conditions at a nuclear power plant.

#### **B. DISCUSSION**

Survey and analytical methods presented herein provide for the collection of measured data to augment:

1. Correlation of projected releases by MDE with actual field measured data.
2. Monitoring of plume and ingestion pathways to determine what Protective Actions are necessary to protect the population-at-risk.

#### **C. GENERAL**

1. Obtain and check operation of the field monitoring equipment. Verify calibration and perform a source check prior to use. All field monitoring data must be recorded on the attached Monitoring Form.
2. The following equipment is recommended for each field monitoring team:
  - a. Eberline E-520 with HP-270 G. M. Detector or PIC 6. If not available, the CDV instruments sets will be used.
  - b. Direct-reading dosimeter, EPD or 0 - 20R or equivalent for each person.
  - c. Permanent Dosimeters (TLD's).
  - d. Radiation Exposure and KI Record Form.
  - e. Protective clothing (coveralls, gloves, boots, tape,) if required.
3. Obtain Potassium Iodide (KI) for use as directed by the County Health Officer.
4. Communications equipment (i.e., radio in vehicle). Establish communications with County Emergency Communications Center prior to departure to ensure radios are operational. Report team arrival at the pre designated survey point and readings obtained to the RDO.

**-NOTE-****(Plume Dispersion Dynamics)**

Radioactivity release(s) from a plant can travel no faster than the wind carrying it, so due consideration must be given to assure the monitoring of locations at the proper times. If the release is accompanied by a large heat release, the plume may rise, disperse and settle unpredictably. Also, it is likely that wind direction will meander rather than be straight. With these characteristics in mind, the monitoring team(s) should monitor throughout the routes searching out the maximum exposure rate/concentration.

D. **PROCEDURES FOR CONDUCTING GAMMA RADIATION EXPOSURE RATE MONITORING**

**-NOTE-**

Use E-520/HP-270 or PIC 6 instrument up to 200 mR/hr, if available. If not use the CDV-777-1R instrument set. Above 200 m/Rhr use the CDV-700.

1. Use the Survey Point Maps with the pre designated survey points to locate areas to be surveyed.
2. Vehicular Survey
  - a. If roadway vehicle is used, drive to the locations to be surveyed and initiate survey.

**-NOTE-**

Continuously observe readings on survey meters while enroute to preselected survey locations. Meters should be kept on legs while enroute, with speaker on and beta shield closed. At point of highest reading or at the preselected monitoring site, take both open window and closed window readings outside of vehicle at three feet and 3 inches above ground level. Record readings on the "Survey Point Dose Rate form", Tab E.

Communicate data to the County EOC. Repeat this procedure in each of the areas to be monitored. If, in the course of travel to the pre-selected survey point, a reading is noted which is higher than those found in the pre-selected monitoring locations, communicate it to the EOC before proceeding with any other task.



**Attachment #4**  
**DORCHESTER COUNTY**  
**RADIATION EXPOSURE CONTROL**  
**STANDARD OPERATING PROCEDURES**

Attachment 4 - 1 Emergency Personnel Exposure Control Procedures

Attachment 4 - 2 Personnel Decontamination Monitoring Procedures

Attachment 4 - 3 Radiological Personnel Decontamination Procedures

Attachment 4 - 4 Decontamination of Equipment Procedures

Attachment 4 - 5 Administration of Radioprotective Drugs

Attachment 4 - 6 Radiological Ingestion Exposure Pathway

## **EMERGENCY PERSONNEL EXPOSURE CONTROL**

### **1.0 RESPONSIBLE INDIVIDUAL**

The County RDO is responsible for:

- 1.1 Briefing emergency personnel on exposure limits.
- 1.2 Informing emergency personnel entering known or potential radiation areas of possible health effects of such actions.
- 1.3 Distribution of appropriate dosimetry to emergency personnel.
- 1.4 Insuring accurate exposure records are maintained by emergency personnel.
- 1.5 Reviewing and revising the SOP at a minimum of once annually.

### **2.0 CONDITIONS AND PRE-REQUISITES**

Know expected radiation fields prior to dispatching personnel.

### **3.0 ACTIONS AND LIMITATIONS**

- 3.1 Inform emergency personnel of the following exposure guidelines:
  - 3.1.1 Emergency worker planned exposure should be maintained with 1 rem.
  - 3.1.2 Planned exposures above 1 rem must be approved by the County Health Officer.
  - 3.1.3 Control exposure of emergency team members to 5 rem whole body dose except for lifesaving missions.
- 3.2 Brief personnel to be engaged in lifesaving actions in a radiation area to the following:
  - 3.2.1 In emergency situations that require personnel to search for and remove injured persons, or to prevent conditions that would probably injure personnel a planned dose shall not exceed 25 rem to the whole body.
- 3.3 Administration of Radioprotective Drugs
  - 3.3.1 When directed by the County Health Officer, a thyroid blocking agent will be administered to all emergency personnel such as police, officers, fireman, physicians, nurses, ambulance drivers, paramedical personnel and radiation monitors at the assembly areas before entering the plume zone .

- 3.4 Brief personnel on probably high radiation exposure effects including the following:
- 3.4.1 25 rem whole body in 1 day - no physiological changes are likely to be observed.
  - 3.4.2 25 to 100 rem whole body - no impairment likely but some physiological changes, including possible temporary blood changes may occur. Medical observations would be required after exposure.
  - 3.4.3 150 to 400 rem whole body - some physical impairment possible. Some lethal exposures possible.

### CAUTION

### **ONLY THE COUNTY HEALTH OFFICER CAN AUTHORIZE EMERGENCY WORKERS TO RECEIVE DOSES IN EXCESS OF THOSE IN SECTION 3.1.**

- 3.5 If exposures in excess of those given in Step 3.1 are anticipated:
- 3.5.1 Women capable of reproduction **shall not** take part.
  - 3.5.2 Other things being equal, volunteers above the age of 45 should be selected whenever possible for the purpose of avoiding unnecessary somatic effects.
  - 3.5.3 Internal exposure should be minimized by the use of the best available respiratory protection and contamination should be controlled by the use of protective clothing.
  - 3.5.4 Exposures under the conditions of Steps 3.1 and 3.2 shall be limited to once in a lifetime.
  - 3.5.5 Persons receiving radiation doses at or near maximums as listed in Step 3.2 should avoid procreation for a few months.
- 3.6 Personnel dosimetry will be issued at worker assembly areas as follows:
- 3.6.1 Issue emergency workers who may be called upon to perform lifesaving actions one 0-20 R or 0-50 R direct-reading dosimeter, and one 0-200 R DRD, TLD and a dosimetry-KI report form. EPD's may be used instead of the DRDs.
  - 3.6.2 Issue emergency workers who may be called upon to receive exposures approaching the 25 rem exposure limit, one 0-20 R or 0-50 R direct reading dosimeter and 0-100 R, or 0-200R DRD, a TLD, and a dosimetry-KI report form. EPD's may be used instead of the DRDs.

**NOTE:** Verify that DRD's are reading zero at time of issue.

- 3.6.3 Dosimeters are to be worn in the pocket of an outer garment from the time of issue until the worker is dismissed from duty or when the RDO says dosimetry is no longer necessary. In no case should the TLD be worn by more than one person since there is no way of ascertaining later how much of the dose recorded on the TLD was received by each individual, if more than one person was involved.
  - 3.6.4 For practical purposes each Roentgen registered on either of the direct-reading dosimeters is to be interpreted to mean that the worker has received a corresponding number of rem, e.g., reading of 5 R should be interpreted to mean that a 5 rem dose has been received.
  - 3.6.5 Each emergency worker should read the direct-reading dosimeters **at least once every thirty minutes**. The protective action guide for whole body exposure is 5 rem. Therefore, an emergency worker should seek to be replaced or complete the assigned task and then evacuate to a decontamination station for personnel decontamination monitoring before receiving 1 R. For example, a worker whose dosimeter readings indicate that he/she has received 1 R in the last thirty minutes had best take immediate action (i.e., seek replacement or complete the mission and then leave the area) whereas another worker who has steadily accumulated 1 R over three days has a lesser degree of urgency. Emergency workers and supervisors are cautioned that the 5 rem protective action guide is not to be construed to be a "license" to incur radiation exposure unnecessarily. Workers and supervisors should always attempt to keep exposure to a minimum; further, and one individual should not receive a total dose far in excess of other emergency workers if circumstances permit substitution of personnel, termination of the assignment, or other protective action.
- 3.7 Dosimetry and KI Record Keeping
- 3.7.1 Each emergency worker is responsible for completing a Dosimetry-KI Report Form (See Tab A) and for returning the Form, along with the dosimetry, at the termination of his/her services. Each emergency organization shall pass the Form and TLD dosimeters to the RDO. All dosimetry records will be forwarded to the County Health Officer for the purpose of record keeping, analysis, reporting and storage. TLD's will be collected by the CCNPP personnel for lab evaluation and results provided to the County Health Officer.

**TAB A**  
**RADIATION EXPOSURE RECORD**  
**DOSIMETRY -KI REPORT FORM**

**PLEASE PRINT LEGIBLY**

EMERGENCY WORKER'S NAME: \_\_\_\_\_ SOCIAL SECURITY NUMBER: \_\_\_\_\_

HOME ADDRESS: \_\_\_\_\_ EMERGENCY WORKER'S ORG: \_\_\_\_\_

\_\_\_\_\_ EMERGENCY WORKER'S SIG: \_\_\_\_\_

COUNTY: \_\_\_\_\_

LOCATION	0-200 mR OR			RAD 60 Electronic			High Range 0-20R OR 0-100R, 0-200R			TLD
	Low Range	BEFORE	MISSION	SER#	BEFORE	MISSION	SER#	BEFORE	MISSION	
SITE #	SER#	AFTER	TOTAL	SER#	AFTER	TOTAL	SER#	AFTER	TOTAL	SER#
1		mR	mR		R	R		R	R	ISSUED BY:
2		mR	mR		R	R		R	R	DATE:
3		mR	mR		R	R		R	R	
4		mR	mR		R	R		R	R	

**DOSIMETRY INSTRUCTIONS:** READ THE DRD EACH HALF HOUR. DO NOT EXCEED 1 R CUMULATIVE TOTAL. WHEN YOU REACH 1 R, PLEASE NOTIFY YOUR SUPERVISOR FOR INSTRUCTIONS. THE TLD GIVES AN ACCURATE READING OF TOTAL DOSE AND SHOULD BE USED BY ONLY ONE PERSON. FORWARD THE TLD WITH THIS FORM.

**DOSIMETRY - KI FORM DISTRIBUTION:** FORWARD THIS COMPLETED FORM WITH THE TLD THROUGH EMERGENCY MANAGEMENT CHANNELS. WHEN THE DIRECT-READING DOSIMETRY INDICATES TOTAL EXPOSURE OF 1 R OR MORE EXPEDITE DELIVERY. CCNPP WILL FORWARD TO THE INDIVIDUAL AND TO THE COUNTY EMA, THE TLD READING AS WELL AS AN EXPLANATION OF THE READING.

**POTASSIUM IODIDE (KI) RECORD:**

AMOUNT: \_\_\_\_\_ TIME: \_\_\_\_\_ DATE: \_\_\_\_\_

**KI INSTRUCTIONS:** TAKE KI ONLY ON THE DIRECTION OF THE HEALTH DEPARTMENT DIRECTOR. TAKE ONE TABLET (130 MG) ONCE A DAY. IF YOU HAVE ANY ADVERSE REACTION TO THE DRUG, DISCONTINUE USE OF KI AND REPORT TO YOUR SUPERVISOR.

**DECONTAMINATION SCREENING:** UPON COMPLETION OF YOUR MISSION, OR AS DIRECTED, EACH EMERGENCY WORKER IS TO UNDERGO "DECONTAMINATION MONITORING" AT A DECONTAMINATION MONITORING STATION OR A MASS CARE/DECONTAMINATION CENTER.

SCREENING RESULTS \_\_\_\_\_ Mr/hr, MONITORS SIGNATURE \_\_\_\_\_

TAB B

EQUIPMENT ISSUE RECEIPT

I, \_\_\_\_\_ of \_\_\_\_\_  
(Name) (Agency/Department)

have received the following from the Dorchester County Emergency Management & Civil

Defense Agency on \_\_\_\_\_ at \_\_\_\_\_ :  
(date) (time)

\_\_\_\_\_ TLD's \_\_\_\_\_ DRD – Serial Number

\_\_\_\_\_ DRD – Serial Number

\_\_\_\_\_ DRD – Serial Number

\_\_\_\_\_ EPD – Serial Number

\_\_\_\_\_ Dosimeter Charger

\_\_\_\_\_ Potassium Iodide  
Tablets

\_\_\_\_\_ E-520 Radiation Detector \_\_\_\_\_  
or equivalent (serial no.) (serial no.)

\_\_\_\_\_ PIC-6B Radiation Detector \_\_\_\_\_  
or equivalent (serial no.) (serial no.)

\_\_\_\_\_ Other Detector \_\_\_\_\_  
(serial no.) (serial no.)



## **PERSONNEL CONTAMINATION MONITORING PROCEDURES**

### **1.0 RESPONSIBILITY**

The County radiological monitors that are assigned to the County designated reception centers or mass care centers are responsible for contamination monitoring of personnel and equipment and a record of the contamination surveys will be maintained for each individual.

- 1.1 Contamination monitoring is the process of checking a person or object with a survey meter to ascertain if the person or object is fouled with a radioactive substance.

### **2.0 GENERAL INFORMATION AND ORGANIZATION**

- 2.1 The public will be directed to a Reception Center where each person will be monitored for radiological contamination (only if a contaminating episode has occurred). Each person will be monitored upon arrival.
- 2.2 Personnel monitoring teams will structure the situation so as not to allow contaminated persons and persons not yet monitored to mix with the contamination-free individuals who are already admitted to the "general living" portion of the Reception Center. For example, those persons found to be contaminated will be shuttled to the decontamination area (showers) by a route that will not place them in contact with the contamination-free area; showers used for decontamination will not be used for general use until after they have been properly decontaminated.
- 2.3 The instruments used for this personnel monitoring are the CD V-700 Geiger-Mueller Survey Meter (range: approximately 0.0 to 50 mR/h), Eberline, E-520, or the Inspector EXP. Sufficient numbers of instruments shall be available to allow one meter for each 250 people. Personnel requirements are for one trained monitor for each survey meter, as a minimum.
- 2.4 Radiation monitoring personnel will be responsible for completing a "Personnel Radiological Monitoring Report Form" (See Tab A) for each individual with a reading of 0.10 mR/h or 300 cpm above background or more. The form is to be completed, signed by the monitor at each of the steps (initial monitoring, after first decontamination, after second decontamination, medical referral) in that sequence. Two copies of the form will be produced, one of which will be given to the individual when decontamination is completed or the individual is sent to a medical facility. The other copy will be retained by the County Health Officer.
- 2.5 Persons who do not intend to stay at a Mass Care Center, but who wish to be monitored, are to be extended these services at a Reception Center.

- 2.6 Reception Center Managers are responsible for reporting to the County Emergency Management pertinent information on the results of monitoring. Such information shall include the following cumulative data: number of persons monitored; number of persons found to be contaminated; number of persons decontaminated; number of persons referred to a medical facility (for radiation decon/treatment); the highest reading (above 0.10 mR/h) on any particular individual; any unusual or particularly notable findings. The County Emergency Management is responsible for consolidating this information and reporting it to the Maryland Emergency Management Agency.

### 3.0 **PROCEDURES FOR MONITORS**

- 3.1 Monitors performing radiological monitoring of people should set up the portal monitor in accordance with manufacturer's instructions. If the portal monitor alarm sounds, monitors should proceed with the following steps:
- 3.1.1 Check the operability of the instrument.
    - 3.1.1.1 Install batteries in instrument as per Instruction and Maintenance Manual.
    - 3.1.1.2 Perform source check to verify that instrument responds to a radiation source.

**NOTE:** Check source is provided on right panel of some instrument case. Otherwise use the CS-137 source supplied by the RDO.
    - 3.1.1.3 Use Open Window readings when performing radioactive contamination surveys.
  - 3.1.2 If no speaker is available on the meter, then attach the headphone because this allows the monitor to observe the position of the probe and better control it while monitoring. The headphone responds more quickly to changes in radiation level than the meter does.
  - 3.1.3 Place the probe in a light plastic bag, or cover of light-weight material, to prevent contamination. This is desirable, but not mandatory.
  - 3.1.4 Select a reception location for conducting the monitoring operation. Precautions must be taken to prevent contamination of the area.
  - 3.1.5 Periodically determine the background radiation level of the location where the monitoring is to take place. If the meter indication is above background radiation with the probe shield closed, find a better location that will bring the meter indication as low as possible. This might be done by selecting a different location.
  - 3.1.6 Have person stand with arms and legs apart.

- 3.1.7 Place the probe about 2 inches from the head, being careful not to touch the person.
- 3.1.8 Move the probe downward on one side of the neck, the collar, the shoulder, arm, wrist, hand, underarm, armpit, side of the body, side of the leg, around the cuff and shoe, including the bottom of the shoe. Then monitor the inside of the leg from the cuff to the groin and continue the procedure on the other side of the body (See Tab B).

**NOTE:** Pay particular attention to face, hands, and feet (shoes).

- 3.1.9 Monitor the front and back of the body.
  - 3.1.10 Record the information on the Personnel Radiological Monitoring Report Form (See Tab A).
  - 3.1.11 Assure that individuals found to be contaminated are decontaminated (1). Refer to Personnel Decontamination Procedures.
  - 3.1.12 Monitor the individual after decontamination to determine that the contamination has been removed. Repeat decontamination procedures, if contamination still remains.
- (1) A person is considered CONTAMINATED if there is a reading of 0.10 mR/hr Or 300 cpm above background or more. Do not confuse background radiation with your readings; contamination would be apparent by a sustained increase on the visual meter (Selector Switch on X 1 range), and also be a marked increase in the audible indication from the headphone. The audio response makes it possible to practically pinpoint any hot spots on the individual.

### 3.2 THYROID GLAND SCREENING CHECK

- 3.2.1 In addition to the steps outline in 3.1 immediately above, emergency workers are to be screened for thyroid gland uptake of radioiodine.
- 3.2.2 The thyroid uptake screening procedures are as follows:
  - 3.2.2.1 The CD V-700 or equivalent is to be used as the screening detector for thyroid uptake or radioiodine.

**CAUTION:** The individual being checked must be free of any contamination before this procedure is to be implemented.
  - 3.2.2.2 Monitors performing the thyroid screening uptake procedure should follow these steps:
    - 3.2.2.2.1 Check the operability of the instrument

- 3.2.2.2.2 Ask the person being screened for his/her copy of the Dosimetry-KI Report Form(emergency workers should have this form in their possession).
- 3.2.2.2.3 If necessary, check the person for external contamination following the Personnel Decontamination Monitoring Procedures.
- 3.2.2.2.4 Put the probe with the shield closed across the front of the neck just below the larynx (Adam's Apple). See Tab D.
- 3.2.2.2.5 If the reading is greater than or equal to 0.1 mR/hr, refer the individual to the appropriate medical facility for evaluation.
- 3.2.2.2.6 If the reading is less than 0.1 mR/hr, no further action is necessary.
- 3.2.2.2.7 Record the data on the Dosimetry-KI Report Form and sign in the appropriate place (Tab E).

3.3 Monitors performing radiological monitoring of vehicles and equipment should follow these steps:

**NOTE:** For the purposes of this procedure, contamination levels of equipment and vehicles are measured in counts-per-minute when using the Eberline Model E-520 Survey Meter.

- 3.3.1 Instrument readings are made on the counts-per-minutes scale (lower scale on instrument face) for equipment and vehicle surveys.
- 3.3.2 Determine background count rate as follows:
  - 3.3.2.1 Hold the probe away from possible sources of radiation.
  - 3.3.2.2 Read the "background count rate" from the lower scale of the instrument.
  - 3.3.2.3 Record the background count rate on Tab C , Equipment Contamination Survey Sheet.
- 3.3.3 Hold the probe with shield open one to two inches from the item to be surveyed. Scan the object with the probe while watching meter response.
- 3.3.4 Pay close attention to those areas that are most likely to have come in contact with radioactive contamination, i.e., tires, hood, roof, and other

areas where airborne contamination would likely settle. Remember instrument readings are taken on counts-per-minute scale.

- 3.3.5 It may be necessary to change instrument range selector performing surveys on highly contaminated equipment. Meter readings must be multiplied by range selection to obtain correct measurements.
- 3.3.6 If contamination levels are found in excess of 0.10 mR/hr or 300 cpm, decontamination is required. (Refer to Decontamination Procedures).
- 3.3.7 Record all survey results on Tab C, Equipment Contamination Survey Sheet.

**TAB A**  
**PERSONNEL DECONTAMINATION MONITORING REPORT FORM**  
Page 1 of 2

NAME of person monitored \_\_\_\_\_

Vehicle Make, Model, License Number \_\_\_\_\_

SOCIAL SECURITY NUMBER \_\_\_\_\_

ADDRESS \_\_\_\_\_

FIRST Radiological Monitoring

Monitor's Signature X \_\_\_\_\_

Mass Care Center \_\_\_\_\_

Survey Meter Serial # \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

SECOND Radiological Monitoring – to be completed after person has undergone decontamination proceedings including acquiring radiologically “clean” clothing.

Monitor's Signature X \_\_\_\_\_

Mass Care Center \_\_\_\_\_

Survey Meter Serial # \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

THIRD Radiological Monitoring – to be completed after person has undergone decontamination proceedings a second time

Monitor's Signature X \_\_\_\_\_

Mass Care Center \_\_\_\_\_

Survey Meter Serial # \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Note: The action level for decontamination is 0.10 mR/hr or 300 cpm above background (sustained increase on the visual meter reading and an increase in the audible indication).

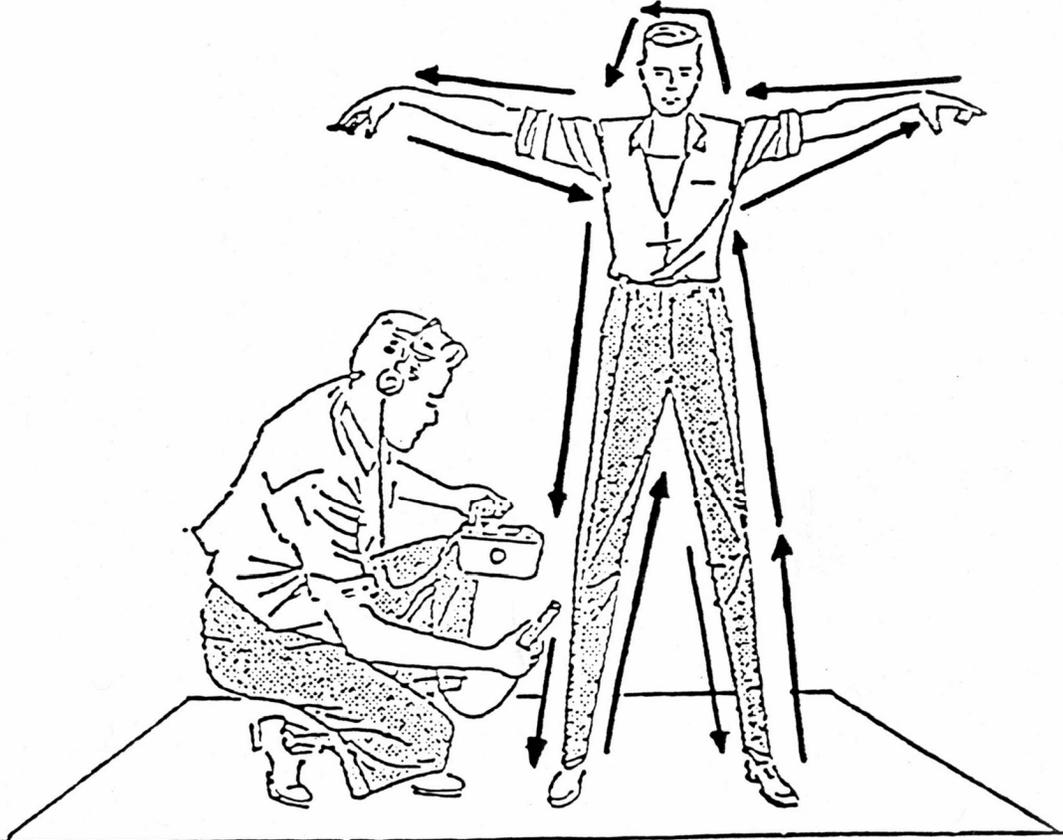
**TAB A**  
**PERSONNEL DECONTAMINATION MONITORING REPORT FORM**  
Page 2 of 2

ANATOMY MONITORING	FIRST MONITORING	SECOND MONITORING	THIRD
Head	mR/hr	mR/hr	mR/hr
face	mR/hr	mR/hr	mR/hr
neck	mR/hr	mR/hr	mR/hr
rt. shoulder	mR/hr	mR/hr	mR/hr
rt. arm	mR/hr	mR/hr	mR/hr
rt. hand	mR/hr	mR/hr	mR/hr
rt. side	mR/hr	mR/hr	mR/hr
rt. outside leg	mR/hr	mR/hr	mR/hr
rt. foot	mR/hr	mR/hr	mR/hr
rt. inside leg	mR/hr	mR/hr	mR/hr
groin	mR/hr	mR/hr	mR/hr
lt. Inside leg	mR/hr	mR/hr	mR/hr
lt. outside leg	mR/hr	mR/hr	mR/hr
lt. side	mR/hr	mR/hr	mR/hr
lt. hand	mR/hr	mR/hr	mR/hr
lt. arm	mR/hr	mR/hr	mR/hr
lt. shoulder	mR/hr	mR/hr	mR/hr
Chest	mR/hr	mR/hr	mR/hr
stomach	mR/hr	mR/hr	mR/hr
Back	mR/hr	mR/hr	mR/hr
buttocks	mR/hr	mR/hr	mR/hr

Medical Referral – subject individual sent to \_\_\_\_\_ hospital for decontamination and/or treatment at (time/am/pm) \_\_\_\_\_ pm (date) \_\_\_\_\_.

Decontamination Chief's Signature X \_\_\_\_\_ Form  
distribution: Original to County Emergency Management Agency; copy to person monitored.

**TAB B**  
**ILLUSTRATION - PERSONNEL MONITORING**



PERSONNEL MONITORING

**TAB C****EQUIPMENT/VEHICLE CONTAMINATION SURVEY DATA SHEET**

NAME: \_\_\_\_\_

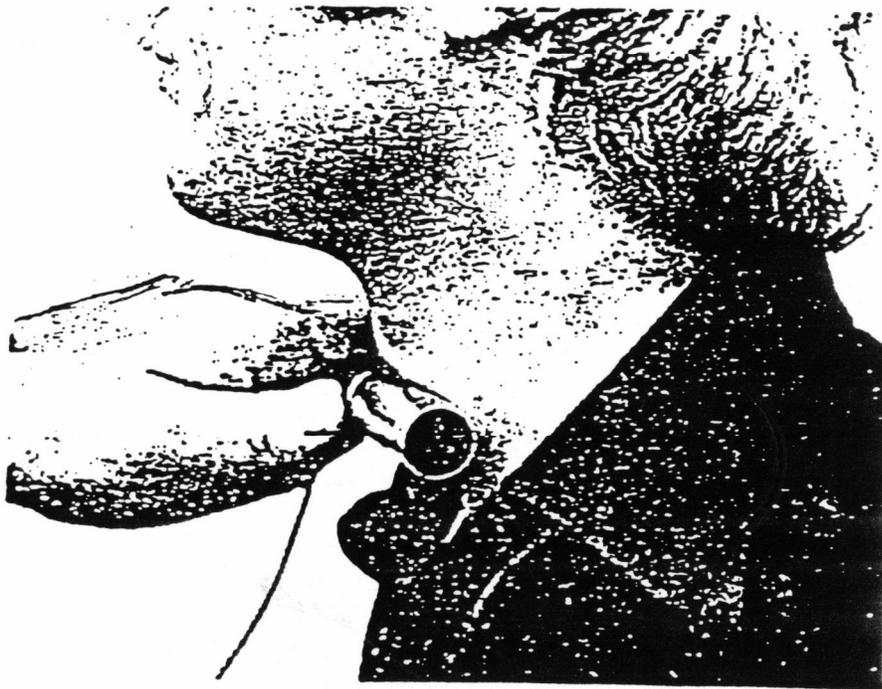
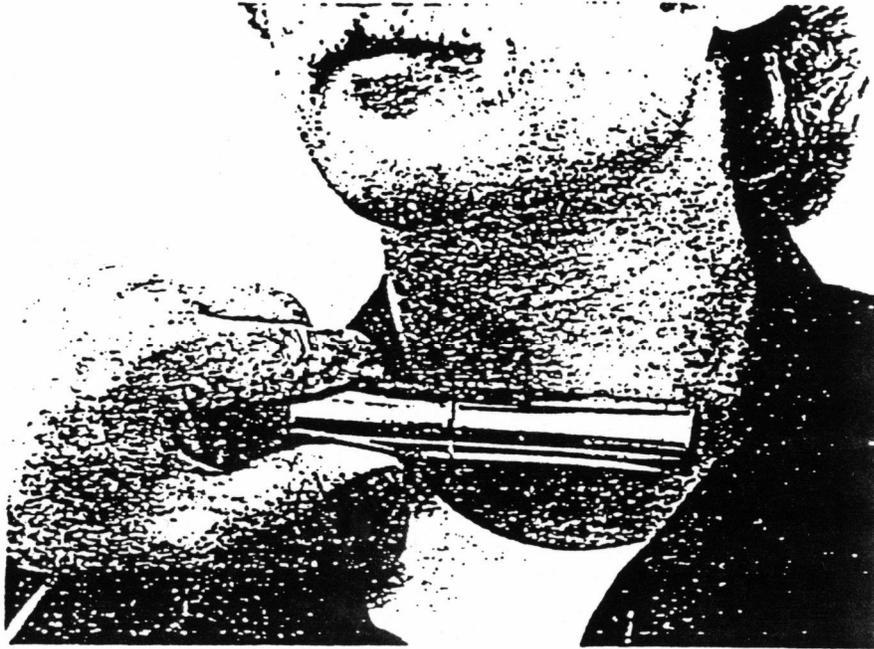
ADDRESS: \_\_\_\_\_

ITEMS SURVEYED: \_\_\_\_\_

SURVEY INSTRUMENT: \_\_\_\_\_ BACKGROUND COUNT RATE:  
\_\_\_\_\_

INITIAL SURVEY		FINAL SURVEY	DISPOSITION
Location	Count Rate (cpm)		

**TAB D**  
Front and side Views Showing Correct  
Placement of Probe To Detect Thyroid Contamination



F  
6

## **RADIOLOGICAL PERSONNEL DECONTAMINATION PROCEDURES**

### **1.0 OBJECTIVE**

The radiological decontamination procedures described are the methods for decontamination of an emergency worker or member of the public, such as an evacuee.

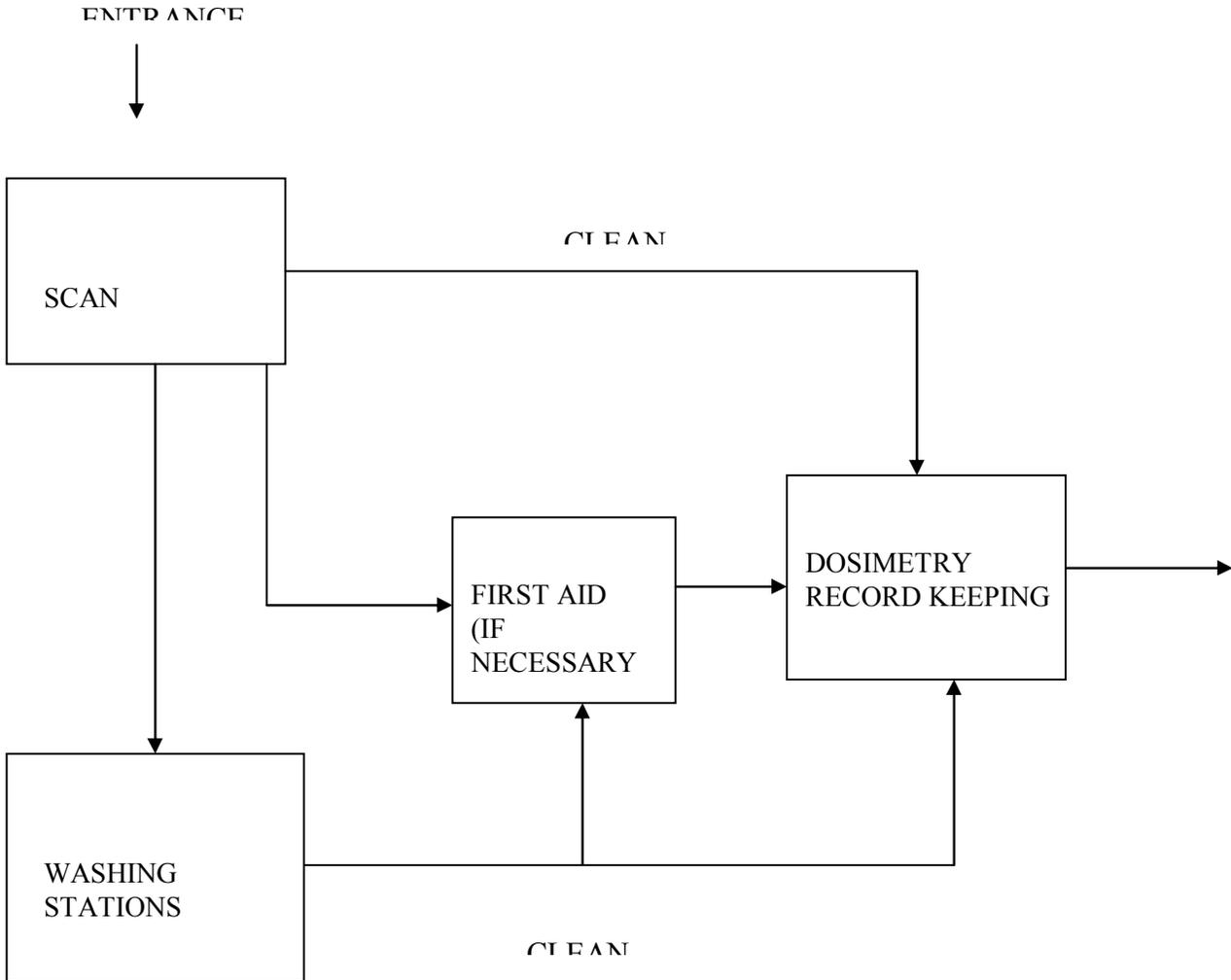
### **2.0 PERSONNEL DECONTAMINATION PROCEDURES**

- 2.1 Establish a personnel decontamination facility area. (See Tab A, which illustrates a typical facility.)
- 2.2 Treat serious injuries first and contamination later. A blanket may be used to prevent the spread of contamination, if transport to a hospital is necessary. Survey the transporting vehicle after its use and decontaminate as necessary.
- 2.3 Contaminated persons should be cleansed with soap and warm water, i.e., a thorough shower will most likely be sufficient. Special emphasis should be placed on any specific spots found to be contaminated in the monitoring process. Also special attention should be given to the hair, hands, and fingernails. Personnel decontamination methods are described in Tab B.
- 2.4 After thorough cleansing, the individual should be monitored again to check the results. If some contamination still remains, cleansing can be complete again with a mild abrasive soap. If monitoring after the second thorough cleansing indicates that the contamination is still present, the individual should be sent to the nearest medical facility that is capable of treating contaminated persons.
- 2.5 Care should be taken that persons who are decontaminated do not become recontaminated by dressing in contaminated clothing (the clothing they were wearing or possible other clothes brought by them). If the individual does not have contamination-free clothing of his/her own, then clean clothing should be issued the individual until such time as his/her clothing can be decontaminated.

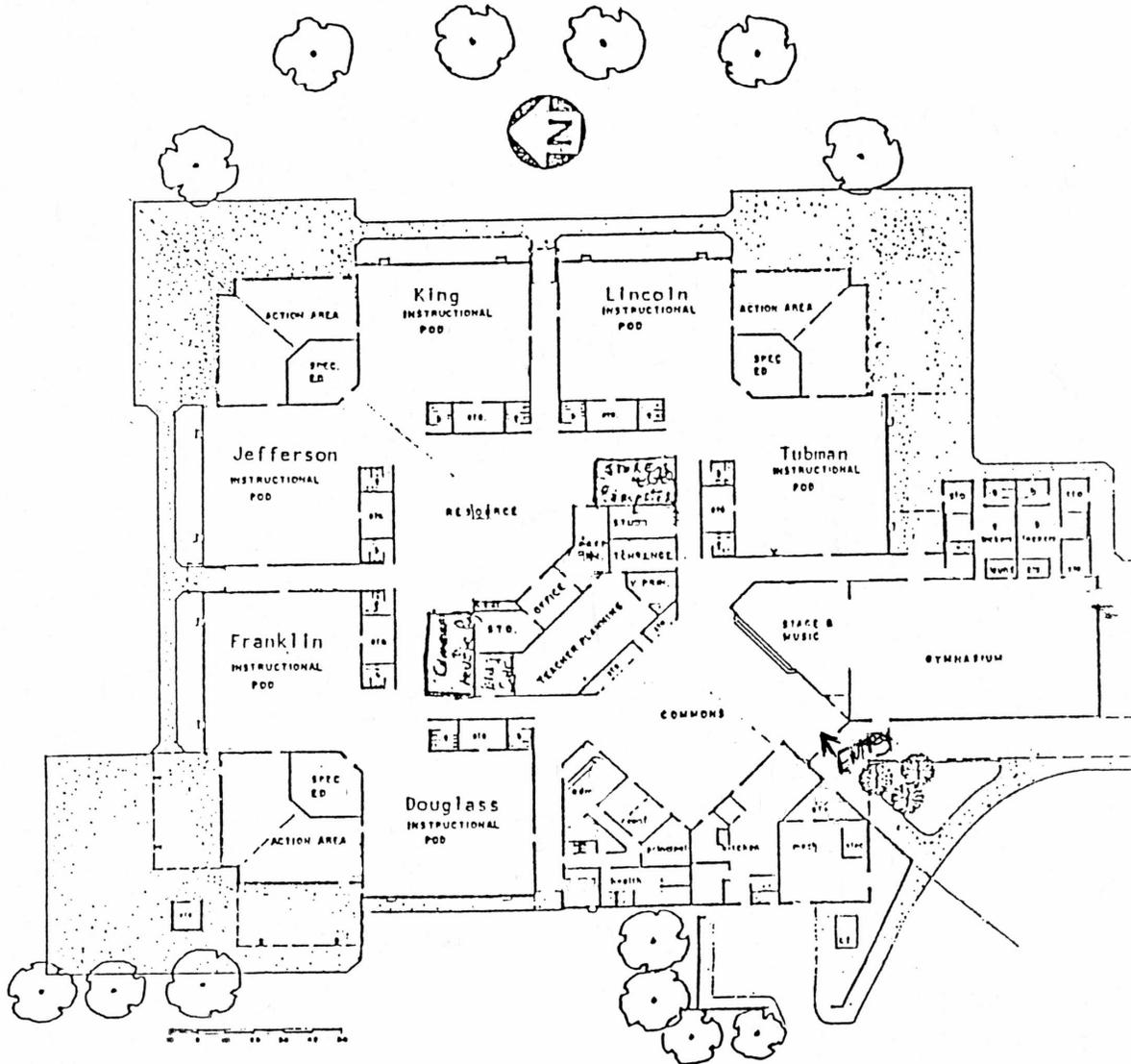
### **3.0 CLOTHING DECONTAMINATION PROCEDURES**

- 3.1 Articles which are machine-washable should be laundered with a conventional detergent, line dried in a contamination-free area or machine dried, and retained until they can be monitored as a decontamination check. Highly contaminated clothing should be stored in the same manner as prescribed for contaminated wastes (see Attachment 4-4) and the Maryland Department of the Environment should be consulted for instruction as to method of decontamination or disposal. Water repellent items may be scrubbed with water and detergent, and retained until monitored.
- 3.2 The County Emergency ManagementI is responsible for arranging for a laundry facility dedicated to washing of contaminated clothing.

**TAB A**  
**Page 1 of 2**  
**FLOW DIAGRAM FOR PERSONNEL DECONTAMINATION FACILITY**



**TAB A**  
**Page 2 of 2**  
**FLOW DIAGRAM FOR PERSONNEL DECONTAMINATION FACILITY**



**TAB B****PERSONNEL DECONTAMINATION METHODS**

<u>Body Surface</u>	<u>Method*</u>	<u>Technique</u>
Skin & Hair	Warm Water	Rinse thoroughly.
Skin & Hair	Mild soap and water	Wash 2-3 minutes, do not scrub with brush
Skin	Mild detergent soft brush & water	Use light pressure with heavy lather. Use care not to scratch or erode the skin. If contamination is local, use cotton swabs dipped in thick mixture of detergent and water. Remove using clean swabs. If contamination is widespread, use shower.

The following methods of decontamination will only be performed under proper medical supervision.

Skin	Titanium dioxide & water	Apply to contaminated area in thick, moist paste. Allow thick paste to remain for 2 minutes. Wash with soap and water.
Skin	Potassium permanganate 4% solution.	Paint contaminated area 3 times allowing each application to dry. Remove skin discoloration with 4% of sodium bisulfite.
Skin	1% solution of phosphoric or oxalic acid or Borax	Use light pressure with a soft brush or sponge and take care not to erode the skin.
Hair	Tide or other detergent	Wash hair, rinse thoroughly, repeat.
Eyes, Ears, Nose & Mouth	Flushing	Roll back the eyelid, flush with large large amounts of water. Use isotonic irrigants, if available.
Wounds	Flushing	If bleeding is not profuse, wash the wound with large amounts of water and spreadedges to stimulate bleeding. If bleeding is profuse, stop bleeding first, clean the edges of wound, and bandage. Remove any remaining surface contamination by one of the first three cleaning methods mentioned above. A qualified physician may remove internal contamination in a proper medical setting later.

**NOTE:** \*Begin with the first listed method and then proceed step by step to the more severe method, as necessary.

## DECONTAMINATION OF EQUIPMENT

### 1.0 **OBJECTIVE**

This procedure describes the measures to be used to reduce radioactive contamination levels on equipment

### 2.0 **CONCEPT**

- 2.1 Complete decontamination procedures as often as necessary to achieve the recommended levels as specified in State of Maryland Radiological Emergency Plan, Annex Q (0.10 mR/h above background) or NRC Regulatory Guide 1.86 (See Table attached as Tab A)
- 2.2 The methods available for decontamination are varied and no one method is applicable in all instances. The factors which limit or affect the methods chosen for decontamination are listed below:
- The weather at time of the incident.
  - The magnitude of the contamination.
  - The type of contaminant
  - The decay rates of the contaminant.
  - The physical characteristics of the surface of object contaminated.
  - The hazard to the operators.
  - Economic considerations.
  - Environmental consequences.
  - Physical location of the contaminated object.
  - Waste containment capacity.
- 2.3 Common methods of decontamination, once this route is decided upon, include washing or hosing, steam lancing, chemical abrasives, motorized street flushing, sand blasting, vacuuming, sweeping, scraping, bulldozing, and grading. Selection of the method to be used will be made and supervised by an individual properly trained in these decontamination methods.
- 2.4 Decontamination facilities should have available a minimum of the following resources:
- 2.4.1 Separate shower rooms and dressing areas.
- 2.4.2 Washing solutions, clean clothing and laundry supplies.
- 2.4.3 Protective clothing such as disposable uniforms, gloves, booties and respirators for facility personnel.

- 2.4.4 Dosimetry equipment such as pocket dosimeters, TLD's, and charging units.
- 2.5 Establish an equipment decontamination facility area. Se Tab B, which illustrates a typical facility.
  - 2.5.1 The physical shape and size of existing facilities will be the limiting factor in placement of decontamination, monitoring and record-keeping stations within the facility. Two main guidelines should be used in determining the placement and layout of a facility.

2.5.1.1 **Simplicity**

The flow of traffic and people should be straight-line whenever possible. Turns, separations, barriers, and intersections should be utilized to distinguish individual activities or stations. Traffic cones, tables, chairs, ropes, railing, etc., can be used to mark off patterns of movement. Multiple lanes indicating similar activities will aid in the movement of large groups of personnel. Contaminated personnel should be able to be rapidly identified and moved along to decontamination stations without delay and cross contamination of others.

2.5.1.2 **Isolation**

Once contaminated personnel or vehicles have been identified by radiation monitoring technicians they should be isolated immediately without entering clean areas. Sign indicating contaminated and clean areas as well as dose recording locations, decontamination areas, and flow of traffic should be placed in conspicuous locations. Tab B indicates the suggested flow pattern for personnel and vehicles at a decontamination facility. It should be understood that the decontamination of the equipment and personnel should be ideally performed at one location. Limiting factors such as availability of parking may be prohibited. The establishment of a decontamination facility for the exclusive purpose of handling vehicles and equipment may be necessary when combined facilities are not available. The use of open fields, fire training grounds, and paved parking lots as locations separate from personnel decontamination stations may be the most practical choice. They usually provide good drainage for large volumes of water. Emergency personnel will have to be shuttled from this location when they need decontamination.

3.0 **DECONTAMINATION PROCEDURS FOR SUPPLIES, INTSTRUMENTS, AND EQUIPMENT**

- 3.1 All items should be monitored first to determine the extent and area of contamination by thoroughly going over the object with a CDV-700 probe of equivalent about 2 inches from the surface. Decontamination of these articles is generally accomplished by wiping and/or washing to the extent necessary to remove the radio contaminants. Decontamination of automobile vehicles can be accomplished by normal washing.
- 3.2 At the reception area, monitoring teams will initially direct their efforts to the evacuees. When time permits, the monitoring teams will monitor the vehicles of the evacuees where they are parked. Generally, external monitoring of vehicles will be sufficient; however, inside monitoring will also be done for those vehicles found to be externally contaminated and those vehicles used by persons found to be contaminated.
- 3.3 Radioactive decontamination is achieved by use of soap and water as in any cleansing process.
- 3.4 While wearing rubber or plastic gloves, wash contaminated area with soap and warm water being very careful not to spread contamination over areas not previously contaminated.

**NOTE:** Any materials used in decontamination must be collected for proper disposal. Place in plastic bags until such time as authorized personnel make arrangements for disposal.

- 3.5 Upon completion of decontamination effort, re-survey equipment/vehicle.
- 3.6 If survey results indicate contamination levels above acceptable levels given in Tab A, repeat steps 3.3 and 3.4.
- 3.7 When contamination survey indicates acceptable levels, complete Tab C, Equipment Contamination Survey Data Sheet.
- 3.8 Record survey results on Tab C.
- 3.9 If levels are above 0.10 mrem/hr, the equipment/vehicle must be detained until complete decontamination can be accomplished.

4.0 **DISPOSAL OF CONTAMINATED WASTE**

- 4.1 As described above, clothing and similar materials as well as miscellaneous equipment and vehicles can be decontaminated. This capability precludes the assemblage of a large amount of contaminated material for disposal by special handling; however, where cleaning materials and other items cannot be decontaminated or remain contaminated after decontamination, special handling is necessary.
  
- 4.2 Contaminated waste materials should be packaged in a plastic bag, tied securely at the top, and placed in a metal container with a snug-fitting lid (garbage can). The metal container(s) should then be stored in a locked room that is not used for any other purpose. Radioactive signs should be posted on the entrance door. Accumulation of contaminated waste materials and the need for disposal should be reported to the County EM.

TAB C

EQUIPMENT CONTAMINATION SURVEY DATA SHEET

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

ITEM SURVEYED: \_\_\_\_\_

SURVEY INSTRUMENT: \_\_\_\_\_ BACKGROUND READING: \_\_\_\_\_

<u>INITIAL SURVEY</u>	<u>FINAL SURVEY</u>	<u>DISPOSITION</u>
Location/Reading (mrem/hr)	Reading (mrem/hr)	
1.		
2.		
3.		
4.		
5.		

## ADMINISTRATION OF RADIOPROTECTIVE DRUGS

### 1.0 GENERAL

- 1.1 The Department of Health and Mental Hygiene (DHMH) and the Maryland Department of Environment (MDE) have developed policies on the use, administration, distribution and storage requirements for Potassium Iodide (KI). For more detailed information, see DHMH letter to County Health Officer. (See Tab A)
- 1.2 Iodine accumulates in the thyroid gland which is located at the front base of the neck just below the larynx (Adam's Apple). Radioactive iodine is no different, i.e., it will accumulate in the thyroid gland in high concentration. Taking KI will have the effect of saturating the thyroid gland with iodine so that radioiodine (radioactive iodine) will not lodge there in a large quantity. Hence, KI lessens the risk to the thyroid gland. A unit of Thyro-block consists of 2 tablets of 130 mg. in size; the dose is one tablet per day. (See Tab B)
- 1.3 The toxicity level of KI is very low and dangers in taking this drug are considered to be minimal. Nonetheless, individuals should not take more than the recommended dose. Although side effects to KI are unlikely because of the low dose and the short time period it will be taken, some side effects are possible--the side effects may include: skin rashes, swelling of the salivary glands, "iodism" (metallic taste), burning mouth and throat, sore teeth and gums, cold symptoms and sometimes gastrointestinal symptoms. A few people (estimated 1 in 50,000) may have an allergic reaction with more serious symptoms. These symptoms could be: elevated temperature, joint pains, swelling of the face and body, and at times, severe shortness of breath which requires immediate medical attention.
- 1.4 The effectiveness of KI as a blocking agent is greatest if administered before the time of exposure to radio iodine, but some exposure saving can be obtained by administration shortly after exposure. Information on Thyro-block is included as an attachment.
- 1.5 The likely consequences of emergency worker's exposure to radiation during a fixed nuclear site incident follow:
  - 1.5.1 Emergency workers engaging in life saving activities will not be affected by radiation sickness if whole body exposure PAG (25 rem) is not exceeded.(\*1) The emergency worker is not risking his life until about 200 rem is exceeded.
  - 1.5.2 Some representative dose-effect relationships in man for whole body irradiation within a short period of time (24 hours) are:

<u>Effect</u>	GAMMA Dose (rem)
Minimal dose detectable by chromosome analysis. No readily detectable blood changes.	5-25
Temporary sterility	50
Minimal acute dose readily detectable in a specific individual, e.g., blood count changes.	50-75
Minimal acute dose likely to produce vomiting in about 10% of the people exposed.	75-125
Acute dose likely to produce transient disability and clear blood changes.	150-200
Median lethal dose for a short single exposure.	300
Lethal exposure	800

(\*1) Manual of Protective Action Guides and Protective Actions for Nuclear Incidents, EPA 400-R-92-001.

1.5.3 EPA Protective Action guides for thyroid dose is 25 rem for emergency workers. Maryland has implemented a 10 rem limit for thyroid exposure. There is no specific upper limit for live-savings activities. No upper limit is given for thyroid exposure since, in the extreme case, complete thyroid loss might be an acceptable penalty for a life saved. However, this should not be necessary if respirators and/or thyroid protection for rescue personnel are available.

## 2.0 **IMPLEMENTATION**

- 2.1 The administration of KI as a blocking agent will be as directed by the County Health Officer during an emergency at a nuclear power plant.
- 2.2 Approximately 1400 doses of KI, tablet form, will be initially located at the Dorchester County Health Department.
- 2.3 The County Health Officer will insure that the KI doses are properly stored in a secure location with the County Health Department facility and will maintain shelf-life records.
- 2.4 All emergency personnel (police, fire and rescue personnel, radiological field monitors, medical personnel, etc.) who are administered KI will be thoroughly briefed by the County Health Officer, or his designated representative, before each mission.

- 2.5 Emergency personnel will be provided a Radiation Exposure Record Form (Tab C) and the KI record will be completed before each mission. Upon completion of the mission, the report will be returned to the County Health Officer. The County Health Officer, or designated representative, will review the form and maintain it on file.

### 3.0 **RADIATION EXPOSURE CONTROL**

#### 3.1 **Potassium Iodide**

The use of stable iodide as a protective action for emergency workers has been recommended by the Environmental Protection Agency (EPA). When a projected thyroid dose is greater than 10 rem, the administration of KI as a blocking agent should be considered. Its administration must be accordance with the State of Maryland Health Laws and be under the direction of State or County medical officials. The Secretary of Department of Environment (MDE) or the Deputy State Health Officers are responsible for the release of potassium iodide for use in an emergency. The County Health Officer will brief emergency workers on the limitations and direction for administration of potassium iodide (KI) prior to their departure. The Secretary of Department of the Environment or the Deputy State Health Officers shall make the determination for continued daily use of KI (130 milligram per day, per person, up to 10 days). When KI is to be administered, single doses of 130 milligram (1 tablet) are to be administered to effected individuals prior to responding to an emergency or within two hours of exposure. If it is impossible to administer KI within two hours of exposure, administration beyond this period will still reduce the biological half-life of radio iodine.

Supplies of KI (in tablet form) are located at the Emergency Operations Center (EOC) in Calvert and St. Mary's County and at the Dorchester County Health Department in Dorchester County. Approximately 1400 doses of KI are located at the above-stated locations. A stock of approximately 5000 doses of standard solution of potassium iodide (SSKI) is maintained in the pharmacy at Calvert Memorial Hospital in Prince Frederick, Maryland for support of local emergency team workers. Standard solution potassium iodide is administered at the rate of two or three drops of SSKI in a glass of water, in lieu of 130 milligram tablets. In the event of the depletion of existing governmental supplies, the request for the use of stock (SSKI) at the Calvert Memorial Hospital must be coordinated through a Deputy State Health Officer with the Secretary of Health and Mental Hygiene (DHMH).

The shelf-life for potassium iodide is currently considered three years from the date of manufacture. Shelf-life records will be maintained at each storage location. The Deputy State Health Officer will maintain the shelf-life record in each respective plume zone county.

## **RADIOLOGICAL INGESTION EXPOSURE PATHWAY**

### **I. Purpose:**

To establish procedures for providing radiological protection in the ingestion exposure pathway around commercial nuclear plants (reactors).

### **II. Situation and Assumptions:**

#### **A. Situation:**

1. Dorchester County can expect to be subjected to a radiological hazard in the event of an accident causing a radioactive release at Calvert Cliffs Nuclear Power Plant.
2. Radioactive gases/particle releases are expected to be carried downwind from the plant.

#### **B. Assumptions:**

1. A radioactive release of gases/particles may occur in quantities ranging from insignificant to those requiring implementation of established protective actions such as food, water, milk, and livestock feed control.
2. County resources are available to support the responsibilities contained herein.
3. The Ingestion Exposure Pathway will normally be limited to a 50 mile radius extending from the affected reactor.

### **III. Concept of Operations:**

Dorchester County will coordinate emergency actions necessary to combat the radioactive hazard in the local affected area. Upon declaration by the power plant of a **General Emergency Classification** of emergency action, the Dorchester County Emergency Operations Center (EOC) will be activated and staffed commensurate with ingestion zone responsibilities. Upon EOC activation, communications will be established with the State EOC and other State agencies as necessary. The State Departments of Environment and Health, utilizing Dorchester County assistance as necessary, will conduct radiological sampling, analysis and interdiction operations. Dorchester County will be the primary source of information for its residents. Procedures governing Alert and Warning, Communications, Direction and Control, Evacuation and Shelter, Mass Care and Public Information are addressed separately as annexes in the County Emergency Operations Plan.

A. Pre-Emergency Preparedness:

The following actions will be taken by Dorchester County Emergency Management Agency:

1. Develop and maintain Radiological Ingestion Exposure Pathway Annex to the County Emergency Operations Plan (EOP).
2. Maintain and revise a county resource and telephone notification list. Lists shall be updated on a quarterly basis.
3. Encourage responsible individuals to attend annual training.
4. Coordinate the participation of Dorchester County personnel, having ingestion pathway exposure responsibilities, in state or county directed exercises conducted to evaluate procedures contained in this SOP.
5. Coordinate local Agricultural Extension Service development and maintenance of farm and food lists located in the county.

B. Emergency Situation:

This phase should occur with adequate advance warning allowing sufficient time for Dorchester County to prepare. Upon receiving verified information that Calvert Cliffs Nuclear Power Plant has declared a **General Emergency**, the following actions will be taken:

1. Implement Emergency Operations Center staff notification procedures (contained in Emergency Operations Plan).
2. Activate and staff the Emergency Operations Center (EOC), to include as a minimum, Emergency Management & CDA Director, Health Officer, Radiological Officer, Agricultural Extension Representative, and Public Information Officer (PIO), as directed by County Council or other designated elected official.
3. Confirm communications are operational at a minimum with State EOC, Ingestion Pathway Coordinating Center (IPCC).
4. Formulate and disseminate public information releases as dictated by the situation.
5. Provide support personnel from local assets to assist state monitoring and sampling teams as required.
6. Request periodic updated radiation level status from State.
7. Maintain status of local radiation levels reported by monitors.

8. Implement protective actions as directed by State EOC or local authorities as outlined in Annex A (Direction and Control) of the EOP.
9. Establish Rumor Control Program.
10. Maintain Emergency Operations Center in operational status until notification by State EOC or local authority as outlined in Annex A (Direction and Control) of the EOP.

C. Recovery

1. Continue to monitor conditions throughout the County.
2. Coordinate damage assessment activities with local extension agents.
3. Terminate acquisition of alternate supplies of food, water, milk, and livestock feed when local supplies are released for normal use.

IV. **Organization and Responsibilities**

A. Organization

The Emergency Management Agency, in conjunction with the County Health Department, the County Radiological Defense Officer, the County Public Information Officer, and the County Farm Service Agency, will have the responsibility to coordinate Local, State and Federal response activities and to assist in the implementation of protective actions and public information in the County.

B. Responsibilities

1. Local

a) County Council

- (1) The President, County Council, or his/her designee, is in overall command of the County emergency operations.
- (2) In the event of an accident at Calvert Cliffs Nuclear Power Plant affecting Dorchester County, the President, County Council, will oversee ingestion zone actions as coordinated by the County Emergency Management Agency Director.
- (3) Directs the activation and staffing of the County Emergency Operations Center.

- b) County Emergency Management Director.  
  
Will perform or coordinate completion of actions detailed under Section III of this SOP, Concept of Operations.
- c) County Health Officer  
  
Will perform the actions detailed under Concept of Operations of this SOP, Section III.B.5,6 and 7, and assist the County Emergency Management Director with other actions as requested.
- d) County Radiological Defense Officer  
  
Will perform the actions detailed under Concept of Operations of this SOP, Section III.B.5, 6 and 7, and assist the County Emergency Management Director with other actions as requested.
- e) County Farm Service Agent  
  
Will perform the actions detailed under Concept of Operations of this SOP, Section III. B.9, C.3, and assist the County Emergency Management Director with other actions as requested.
- f) County Public Information Officer  
  
Will perform the actions detailed under Concept of Operations of this SOP, Section B. III.4 and assist the County Emergency Management Director with other actions as requested.

2. State

- a) Maryland Emergency Management Agency (MEMA)  
  
MEMA will assure overall Statewide coordination of food, water, milk, and livestock feed control operations. MEMA will notify affected Counties and contiguous states, as necessary.
- b) Department of Health and Mental Hygiene (DHMH)  
  
The DHMH is responsible for the analysis of food, water, milk, and livestock feed samples and will utilize the personnel and vehicles of the support agencies to accomplish its assigned tasks. The DHMH (through its subdivisions) will ensure that all truck and dairy farms, and milk processing centers are controlled to prohibit public consumption, if necessary.

c) Department of the Environment (MDE)

MDE will initiate the State's Ingestion Pathway Emergency Response through the determinations of the State Accident Assessment Center (AAC) and the Ingestion Pathway Coordinating Center (IPCC). MDE is responsible for State protective action decision making, and insuring that potable water supplies are controlled to prohibit public consumption, if necessary.

d) Tidal Fisheries Division, Dept. of Natural Resources (TFD/DNR)

The TFD of the DNR, under the direction of DHMH, will support in controlling the harvesting of contaminated shellfish. TFD personnel and equipment will be deployed to provide samples of shellfish and fin fish for DHMH analysis.

e) Maryland Department of Agriculture (MDA)

The MDA will support the DHMH by prohibiting the use of land for pasture, by quarantining animals or plants, and by prohibiting the sale and distribution of contaminated food, if deemed necessary by the DHMH.

f) State Highway Administration, Dept. of Transportation (SHA/DOT).

The SHA of DOT will, in coordination with the MDA, provide transportation of alternate feed supplies for livestock taken off pasture, if necessary.

g) Maryland Military Dept./National Guard (MMD/NG)

The MMD/NG will support the DHMH and MDE in food, water, milk, and livestock feed control operations by providing sampling at military installations, as requested.

3. Federal

Federal response to be provided by the Federal Radiological Monitoring and Assessment Plan (FRMAP) and Federal Radiological Emergency Response Plan (FRERP) is summarized in the State Radiological Emergency Plan (Annex Q).

V. Administration and Logistics

A. Records

A record of activities shall be kept during the emergency. A record of man-hours expended and other costs shall be maintained and submitted to the MEMA Director at the end of the emergency. Receipts will be provided.

B. Reports

Reports prepared from personnel exposure records will be submitted to the Director of MEMA at the conclusion of the emergency.

VI. **Plan Development and Maintenance**

This plan (SOP) is developed and maintained by the County Emergency Management and Civil Defense Agency. All persons or agencies with operational functions or responsibilities will develop and maintain procedures for performing these functions in accordance with those assigned responsibilities and will participate in any necessary training or exercises.

VII. **Definition of Terms**

See State Radiological Emergency Plan, Annex Q.

VIII. **Authority and References**

A. Authority

See State Radiological Emergency Plan, Annex Q.

B. References

See State Radiological Emergency Plan, Annex Q.

**Attachment #5****DORCHESTER COUNTY****PUBLIC INFORMATION****STANDARD OPERATING PROCEDURES****1. PURPOSE**

To plan dissemination of information to the public to ensure that complete, accurate, and authorized information is released through an organized means. This is to avoid misinformation, dispel rumors, and more practically, to provide the information necessary to assist the general public in protecting themselves and their property from possible harm/further harm.

**2.0 RESPONSIBILITY**

The responsibilities of the Dorchester County Emergency Management Agency Public Information Program are delineated in the Dorchester REP. In the event of an accident at CCNPP, the Public Information Officer (PIO), will implement the County's Emergency Public Information Program.

**3.0 IMPLEMENTATION**

The following procedures will be used in implementing the Public Information function of the Dorchester County Radiological Emergency Plan (REP):

- 3.1 Upon notification from the EMA Director of activation of the EOC, the Public Information Officer will report to that location.
- 3.2 The Emergency Alert System (EAS) will be implemented by the EMA Director in accordance with the local EAS procedures. The Public Information Officer, or alternate, will contact the EAS and other radio and television stations (Tab A) by telephone during the early phases of an Alert and subsequent events. Sample news releases are attached (See Tab B). Notification of Take Shelter or Evacuation will be re-broadcast as needed. The County name and area(s) affected are to be clearly identified in all public information releases.
- 3.3 Subsequent to the notification of an Alert, but prior to the activation of the media center in Calvert County, the PIO will provide news releases and briefings to members of the media assembled at the Dorchester County Sheriff's Office/Detention Center Training Room, 829 Fieldcrest Road, Cambridge, Maryland. As an alternative, briefings may be conducted in the County Council meeting room (Room 110) or other suitable location as may be designated.

- 3.4 Upon activation of the Media Center in Calvert County, periodic news releases will be prepared in the County EOC for out-of-County use which will be provided to the State PIO at the News Media Center. The PIO will contact the State PIO by phone. County PIO personnel will thoroughly brief replacements upon completion of duty.
- 3.5 EAS message information to be given to the public should include:
  - 3.5.1 Positive identification of Dorchester County as the government giving the information.
  - 3.5.3 Identify the facility experiencing the emergency, emergency classification and current status of conditions.
  - 3.5.4 The possibility that protective actions may need to be taken with reference to published emergency information.
  - 3.5.5 A closing statement asking the affected population to stay tuned for special news broadcast.
- 3.5 Follow up Special News Broadcast (SNB) information given to the public should include:
  - 3.6.1 Identify the community or geographic area affected by the incident/accident, (i.e., roads, highways, streams, and waterways) by Protective Action Zones for Calvert County (Reference TAB B).
  - 3.6.2 Specific instructions with regard to protective measures to be taken by residents of the affected area(s).
- 3.5 Periodic briefings will be conducted by the PIO and may include a representative of the County Council. Information to be given to the public will include:
  - 3.5.1 Positive identification of Dorchester County as the government giving the information.
  - 3.5.2 The community or geographic area affected by the incident/accident, using roads, highways, steams, waterways, i.e., the Protective Actions Zones, reference Tab C.
  - 3.5.3 The name of the facility experiencing the emergency and the time the incident/accident began.
  - 3.5.4 Description of the type of emergency and the nature of the hazard, particularly, in terms of potential risk, or absence thereof, to the affected populace.
  - 3.5.5 Instructions with regard to specific protective measures to be taken by residents of the affected area(s) and their pets.

4.0 **SOP MAINTENANCE**

The PIO has overall responsibility to review and update his/her SOP annually. Phone numbers will be reviewed and updated quarterly.

5.0 **RECORDS**

A record of activities and copies of all news releases will be kept during the duration of the emergency.

**TAB A**

**Radio Stations**

List maintained in the EOC

**Television Stations**

List Maintained in the EOC

**Local Newspapers**

List Maintained in the EOC

**MEMA Public Information Officer**

Phone numbers maintained in EOC

**Facsimile PIO Contacts**

List Maintained in EOC

**TAB B**

**INDEX OF NEWS RELEASES, EAS MESSAGES  
AND SPECIAL NEWS BROADCAST**

**News Release**

- Tab B-1 Alert Phase Public Announcement
- Tab B-2 Site Area Emergency Phase Public Announcement
- Tab B-3 General Emergency Phase Public Announcement

**EAS Message**

Emergency Alert System Message (precedes all Special News Broadcasts) - Page 9

**Special News Broadcast**

- Tab B-4 Initial Notification: Public Take Shelter
- Tab B-5 Initial Notification Public Ingest Potassium Iodide
- Tab B-6 Initial Notification: Public Evacuation
- Tab B7 Additional Protective Actions
- Tab B-8 Ingestion Pathway Announcement
- Tab B-9 Ingestion Pathway Instructions for Farm Animals
- Tab B-10 Ingestion Pathway Emergency Protective Actions - General
- Tab B-11 Ingestion Pathway Protective Actions - Food Stuffs

**NEWS RELEASE**

For Immediate Release

TAB B-1

**This is / This is Not An Exercise Message**

ALERT PHASE PUBLIC ANNOUNCEMENT

The President of the County Council has announced that Calvert Cliffs Nuclear Power Plant declared an **Alert** at \_\_\_\_\_. The reason for the Alert is \_\_\_\_\_

State and County emergency action agencies in Dorchester County have been notified of the Alert. Field monitoring teams have been alerted to standby as a precaution in case they are needed. The County Emergency Operations Center is on standby awaiting further development.

The public is advised that **no** precautionary measures need to be taken at this time.

**(REPEAT)**

Further announcements on the status of this **Alert** will be made over local stations.

**FOR MORE INFORMATION CALL: 410-228-6988. (REPEAT)**

#####

#####

Authority for news release: \_\_\_\_\_

Contact Person \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
(Name) (Title) (Phone)

**This is / This is Not An Exercise Message**

**NEWS RELEASE**

For Immediate Release

TAB B- 2

**This is / This is Not An Exercise Message**

SITE AREA EMERGENCY PHASE PUBLIC ANNOUNCEMENT

The President of the County Council has announced that Calvert

Cliffs Nuclear Power Plant declared a **Site Area Emergency** at \_\_\_\_\_.

The

reason for the **Site Area Emergency** is

\_\_\_\_\_

\_\_\_\_\_

(Give plant's reason for actual or likely major failure)

State and County emergency actions agencies in Dorchester County have been notified of the Site Area Emergency. Field Assessment Teams will be/have been dispatched to the area to assess levels of radiation within ten (or other distance) miles of the Plant. The State and County Emergency Operations Centers have been fully activated and other emergency personnel are being/have been alerted to standby status.

The public is advised to stay tuned to this station for further details.

Further announcements on the status of this **Site Area Emergency** will be made over local stations.

**FOR MORE INFORMATION CALL: 410-228-6988 (REPEAT)**

#####

#####

Authority for news release: \_\_\_\_\_

Release made by \_\_\_\_\_ / \_\_\_\_\_

**This is / This is Not An Exercise Message**

**NEWS RELEASE**  
For Immediate Release

**Tab B-3**

**This is / This is Not An Exercise Message**

GENERAL EMERGENCY PHASE PUBLIC ANNOUNCEMENT

The President of the County Council has announced that Calvert Cliffs Nuclear Power Plant declared a **General Emergency** at \_\_\_\_\_. The reason for the **General Emergency** is \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
(Give plant's reason for actual or imminent substantial core degradation or melting with potential for loss of containment integrity)

All State and County emergency action and support agencies in Dorchester County have been notified and the Emergency Operations Center in Cambridge is fully activated. The public is advised to stay tuned to this station for further details.

\_\_\_\_\_  
(REPEAT preceding paragraph and this one as a unit before going on.)

Further announcements on the status of this **General Emergency** will be made over location stations.

**FOR MORE INFORMATION CALL: 410-228-6988 (REPEAT)**

#####

#####

Authority for news release \_\_\_\_\_

Release made by \_\_\_\_\_ / \_\_\_\_\_

**This is / This is Not An Exercise Message**

RELEASE #: \_\_\_EAS# \_\_\_  
TIME: \_\_\_\_\_

Time of Broadcast: \_\_\_\_\_

**This is / This is Not An Exercise Message**

**EMERGENCY ALERT SYSTEM MESSAGE**

This is an Emergency Alert System announcement concerning an emergency at the Calvert Cliffs Nuclear Power Plant. The Emergency Management division of Dorchester County with the authority of the County Council issues the following message.

A \_\_\_\_\_ Emergency was declared by the Calvert Cliffs Nuclear Power Plant at  
*Site / General*  
\_\_\_\_\_ hours.

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*No Release of radiation has occurred / There is a potential for the release of radiation / A release of radiation is in progress.*

Protective Actions may need to be implemented in Dorchester County. Refer to the Calvert Cliffs Emergency Information Booklet or inside back cover of the phone book for details. Stay tuned to this station for a special news broadcast that will have additional information and any protective action instructions for the public. This concludes the emergency broadcast.

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**This is / This is Not An Exercise Message**

Special News Broadcast  
For Immediate Release

TAB B-4

SNB # \_\_\_\_\_

**This is / This is Not An Exercise Message**

**INITIAL NOTIFICATION: PUBLIC TAKE SHELTER**

This is an important Bulletin from the Dorchester County Emergency Management

Agency. AT \_\_\_\_\_ AM/PM \_\_\_\_\_ an accident occurred at the Calvert Cliffs  
(Date)

Nuclear Power Plant.

There \_\_\_\_\_ a release of radioactive materials to the  
(Has been/ Is a potential for)

environment.

To ensure your safety, the \_\_\_\_\_ has Issued a  
precautionary order for the residents of Taylor’s Island, Smithville and residents On Meekins Neck  
Road, Smithville Road, (North of Beaver Dam Creek), and Route 16, (West of Parsons Creek), to  
remain in your homes with all doors and windows closed and outside ventilation turned off until  
otherwise notified. Tie a white cloth on your front door so that officials will know that you have  
been notified. Stay tuned to this station for further information.

**REPEAT AS NEEDED**

RUMOR CONTROL: **410-228-6988. THAT'S 410-228-6988!**

#####  
Authority for news release \_\_\_\_\_

Release made by \_\_\_\_\_ / \_\_\_\_\_  
(Name) (Title)

**This is / This is Not An Exercise Message**

Special News Broadcast  
For Immediate Release

TAB B-5

SNB # \_\_\_\_\_

**This is / This is Not An Exercise Message**

**POTASSIUM IODIDE**  
**SPECIAL NEWS BROADCAST**

TO ENSURE YOUR SAFETY, THE \_\_\_\_\_ HAS ISSUED  
A PRECAUTIONARY

(OFFICIAL)

ORDER FOR RESIDENTS OF

\_\_\_\_\_  
(DESCRIBE GEOGRAPHICAL AREA & COMMUNITIES)

WHO HAVE AVAILABLE POTASSIUM IODIDE TO INGEST ONE DOSE AT THIS TIME.

REMEMBER THAT POTASSIUM IODIDE ONLY PROTECTS THE THYROID GLAND.

ADDITIONAL PROTECTIVE ACTIONS MAY BE WARRENTED. CITIZENS WHO DO NOT

HAVE POTASSIUM IODIDE AVAULABLE WILL BE PROVIDED ONE DOSE AT THE

DESIGNATED RECEPTION CENTER. STAY TUNED TO THIS RADIO STATION FOR

FURTHER INFORMATION.

**REPEAT AS NEEDED**

**This is / This is Not An Exercise Message**

Special News Broadcast  
For Immediate Release

TAB B-6

SNB # \_\_\_\_\_

**This is / This is Not An Exercise Message**

**INITIAL NOTIFICATION: PUBLIC EVACUATION**

This is an important bulletin from the Dorchester County Emergency Management Agency.

At \_\_\_\_\_ am/pm today (or give date) an accident occurred at the Calvert Cliffs Nuclear Power

Plant. There \_\_\_\_\_ a release of radioactive materials to  
(has been/is a potential for)

the environment.

To ensure your safety the \_\_\_\_\_ has ordered a precautionary evacuation. Residents of Taylor's Island, Smithville, and residents on Meekins Neck Road, Smithville Road (North of Beaver Dam Creek), and Route 16 (West of Parsons Creek) are requested to go to the Cambridge- South Dorchester High School utilizing State Route 16 through Church Creek, Maryland.

**REPEAT AS NEEDED**

Residents and travelers in these areas should follow directions of Local and State authorities. Shelter, food and medical services will be available at the reception/mass care center. Clothing should be brought in a suitable carrier. Also, you should bring blankets and a sleeping bag to the center with you.

Students of South Dorchester K-8 who reside in the Taylor's Island area will be brought directly to Cambridge-South Dorchester High School. Students of Cambridge-South Dorchester High School who reside in the Taylor's Island area will remain at CSDHS.

**(Continued on next page)**

Special News Broadcast- Cont.  
Public Evacuation

-2-

Residents of \_\_\_\_\_  
(Describe area/counties & communities)  
are **not**, I repeat, are **not** required to evacuate but are requested to remain in their homes  
(If appropriate)  
with all doors and windows closed and ventilation turned off until otherwise notified. Tie  
(If appropriate)  
a white cloth on your front door so that officials will know that you have been notified.  
(If appropriate)  
Stay tuned to this station for further information.

**REPEAT AS NEEDED**

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Authority for news release \_\_\_\_\_.

Release made by \_\_\_\_\_ / \_\_\_\_\_  
(Name) (Title)

**This is / This is Not An Exercise Message**

Special News Broadcast  
For Immediate Release

TAB B-7

SNB # \_\_\_\_\_

**This is / This is Not An Exercise Message**

ADDITIONAL PROTECTIVE ACTIONS

The Dorchester County Council has been advised by the Secretary, Maryland Department of the Environment, that, due to an incident which occurred at the Calvert Cliffs Nuclear Power Plant on \_\_\_\_\_, MDE is directing that the following protective actions be instituted:

- Sheltering of farm animals within the 10-mile plume zone area of the Calvert Cliffs Nuclear Power Plant. This area includes all of Taylor’s Island, portions of Hoopers Neck and Smithville Road.
- All shipping lanes in the Chesapeake Bay within a \_\_\_\_ mile radius of the power plant (from *(points north)* \_\_\_\_\_ to *(points south)* \_\_\_\_\_) are closed until further notice.
- According to the FAA, air traffic will be restricted within a \_\_\_\_ mile radius of the plant until further notice.

Stay turned to your local radio station for or call 410-228-6988 for further information.

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Authorized by \_\_\_\_\_ Date \_\_\_\_\_

Released by \_\_\_\_\_ / \_\_\_\_\_  
(Name) (Title)

**This is / This is Not An Exercise Message**

Special News Broadcast  
For Immediate Release

TAB B-8

SNB # \_\_\_\_\_

**This is / This is Not An Exercise Message**

INGESTION PATHWAY ANNOUNCEMENT

Date \_\_\_\_\_

Time \_\_\_\_\_

From: Dorchester County Emergency Management Agency

Dorchester County officials were advised at \_\_\_\_\_(time) today by the Maryland Emergency Management Agency that an accident at the Calvert Cliffs Nuclear Power Plant has occurred.

At \_\_\_\_\_(time), Dorchester County was advised that a release of radioactive materials (is possible / is occurring) at the Calvert Cliffs Nuclear Power Plant.  
*choose one*

Portions of Dorchester County are located within the 10 mile potential evacuation zone for Calvert Cliffs. The areas within the 10-mile zone are: all of Taylor's Island, Smithville, and residents on Meekins Neck Road, Smithville Road (North of Beaver Dam Creek), and Route 16 (West of Parsons Creek). County residents living outside those areas are advised that there is no need for them to consider evacuating or taking shelter.

There is some concern about the possibility of contamination of food, water, milk and/or livestock feed supplies in Dorchester County. State environmental monitoring and sampling teams are currently in the County testing for the possibility of radioactive contamination of foodstuffs. At the present time, there is no indication of contamination of Dorchester County food or water supplies, and no action is required by County residents.

**(Continued on next page)**

Ingestion Pathway cont.

-2-

If this situation should change, residents will be advised by the Emergency Alert System radio bulletins, which may be received locally by keeping your radio tuned to WCEM AM/FM (Cambridge) or WCEI (Easton).

The Dorchester County Emergency Operations Center is fully operational and in constant communication with the State Emergency Operations Center in Reisterstown, Maryland. This status will be maintained for the duration of the emergency.

**Additional information to follow.**

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Authority for news release \_\_\_\_\_.

Release made by \_\_\_\_\_ / \_\_\_\_\_  
(Name) (Title)

**This is / This is Not An Exercise Message**

Special News Broadcast  
For Immediate Release

TAB B-9

SNB # \_\_\_\_\_

**This is / This is Not An Exercise Message**

**INGESTION PATHWAY INSTRUCTIONS FOR FARM ANIMALS**

Dorchester County Officials were advised at \_\_\_\_\_(time) today by the Maryland Department of the Environment that, in order to help prevent or minimize contamination of food products following an incident at the Calvert Cliffs Nuclear Power Plant, the following Preventive Protective Actions should be initiated by the farming community as soon as possible:

Put your animals, especially dairy cows, on protected or stored feed and water. Grain stored in a permanent storage bin or hay in a barn or ensilage in a covered silo can be considered protected. Haystacks in open fields can be protected by covering them with a tarpaulin before a radioactive release has been detected. If livestock consume contaminated feed and water, some of the contamination will be absorbed into their bodies and could then enter the human food supply through meat, meat products and milk.

If no protected or stored feed is available, animals could survive for a time on water alone. Water from a covered or deep well, tank, cistern, or freely running spring would be safe for livestock. Water in an open pond could be contaminated and should be tested before it is used.

State officials may come to your farm to take milk, feed and water samples for laboratory analysis. If dairy products are found to be contaminated, State and County officials will recommend specific methods to deal with this problem.

**(Continued on next page)**

Special News Broadcast  
Farm Animals - cont.

- 2 -

At the present time, these are preventative measures only. If this situation should change, residents will be advised by the Emergency Alert System radio bulletins, which may be received locally by staying tuned to, WCEM AM/FM(Cambridge) or WCEI (Easton).

The Dorchester County Emergency Operations Center is operational and in constant communication with the State Emergency Operations Center in Reisterstown. This status will be maintained for the duration of the emergency.

**Rumor Control telephone number is: 410-228-6988.**

(Repeat as necessary)

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Authority for news release \_\_\_\_\_

Release made by \_\_\_\_\_ / \_\_\_\_\_  
(Name) (Title)

**This is / This is Not An Exercise Message**

Special News Broadcast  
For Immediate Release

TAB B-10

SNB # \_\_\_\_\_

**This is / This is Not An Exercise Message**

**INGESTION PATHWAY EMERGENCY PROTECTIVE ACTIONS - GENERAL**

Dorchester County Officials have been advised by the Maryland Department of the Environment that a release of radioactive materials occurred at the Calvert Cliffs Nuclear Power Plant at \_\_\_\_\_(time) on \_\_\_\_\_(date) which has resulted in the contamination of some agricultural products in parts of the County. Members of the farming community are advised to take the following Emergency Protective Actions as appropriate:

- When you go outside, wear clothing that covers all portions of the body, similar to what you would wear when applying pesticides; for example, coveralls or long-sleeved shirt, long pants, boots, gloves, etc.
- Wear a respirator, protective mask, or place a folded (preferably dampened) cloth over your mouth and nose when working outside to prevent the inhalation of radioactive materials.
- Remove outer clothing before going indoors.
- Delay the slaughter of animals until advised it is safe to do so by appropriate health or agriculture officials.
- Do not use fresh milk from dairy animals, fresh garden vegetables, or eggs from within the Ingestion Exposure Pathway Emergency Planning Zone until you are told it is safe to do so by health or agriculture officials.
- Do not engage in dust-producing activities such as cultivating, disking, bailing, or harvesting.

**(Continued on next page)**

Special News Broadcast  
Protective Actions - General - cont. - 2 -

- Do not process or distribute agricultural products until they have been sampled by state officials and found to be free of contamination.
- Do not transport or market food products from Dorchester County until advised it is safe to do so by health officials.
- Fish and game should not be harvested for fund until further notice.

For more information, contact the Farm Service Agency office at 410-228-5696 or the County Emergency Operations Center at 410-228-1818.

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Authority for news release \_\_\_\_\_

Release made by \_\_\_\_\_ / \_\_\_\_\_  
(Name) (Title)

**This is / This is Not An Exercise Message**

Special News Broadcast  
For Immediate Release

TAB B-11

SNB # \_\_\_\_\_

**This is / This is Not An Exercise Message**

**INGESTION PATHWAY PROTECTIVE ACTIONS - FOOD STUFFS**

Dorchester County Officials have been advised by the Maryland Department of the Environment that a release of radioactive materials which occurred at the Calvert Cliff's Nuclear Power Plant at \_\_\_\_\_(time) on \_\_\_\_\_(date) has resulted in the possible contamination of some food products in Dorchester County. Residents are advised to take the following Emergency Protective Actions as appropriate:

- Fruits and Vegetables: Wash, scrub, peel or shell locally grown fruits and vegetables, including potatoes, beets, etc., to remove surface contamination.
- Poultry & Poultry Products: Poultry raised outdoors, especially those kept for egg production should be tested by State officials. Poultry raised indoors and given protected feed and water are not likely to be affected.
- Fish and Aquatic Life: Fish and other aquatics raised in ponds should not be harvested unless State officials have tested samples and found that they are safe.
- Grains: If grains are permitted to grow to maturity, most contamination will probably be removed by the wind and rain. Laboratory tests will determine if grain is safe to use.
- Honey: Honey and bee hives will need to be tested by State officials if radioactivity is detected in the area.

For more information, contact the Farm Services Agency at 410-228-5696 or the County

**(Continued on next page)**

Ingestion Pathway -Food Stuffs , cont. -2-

Emergency Operations Center at 410-228-1818.

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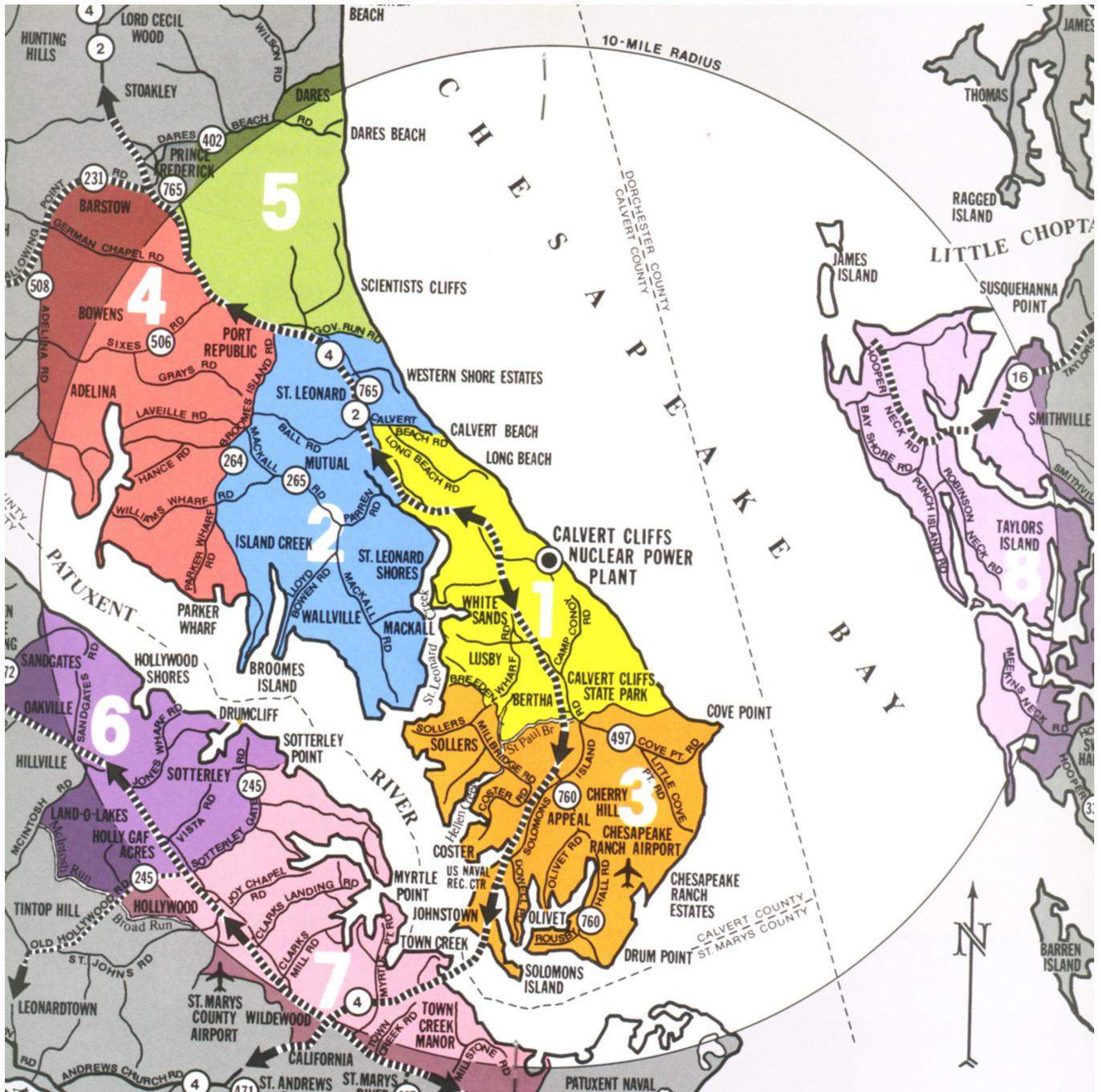
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Authority for news release \_\_\_\_\_

Release made by \_\_\_\_\_ / \_\_\_\_\_  
(name) (title)

**This is / This is Not An Exercise Message**

TAB C



**Attachment #6**  
**DORCHESTER COUNTY**  
**SHERIFF'S OFFICE**

STANDARD OPERATING PROCEDURES

**1.0 RESPONSIBILITIES**

- 1.1 The responsibilities of the Sheriff's Office are outlined in the Dorchester REP. The Sheriff's Office is the key agency for Access Control and Law Enforcement and Crime Prevention and is supported in this action by the Cambridge Police Department, Maryland State Police - Barrack I, and the County Highway Division of the Department of Public Works.
- 1.2 Further responsibilities of the Sheriff's Office include the following:
  - 1.2.1 Support initial notification through mobile public address systems and support initial notification of the public through direct contact.
  - 1.2.2 Function as a key agency to Emergency Management Agency (EMA) for Evacuation and Return..

**2.0 COMMAND AND COORDINATION**

- 2.1 The Sheriff or his alternate, the Chief Deputy Sheriff, is in charge of the emergency response operations. The Sheriff is responsible for ensuring that the agency is properly staffed and sufficient resources available for 24-hour operations for a protracted period.
- 2.2 Normal procedures will be utilized for obtaining necessary resources. When these resources become exhausted, requests for additional resources will be made to the EMA Director through the EOC representative.
- 2.3 A record of activities shall be kept during the duration of the emergency. A record of man-hours expended and other costs shall be maintained and submitted to the EMA Director at the end of the emergency. Receipts will be provided.

**3.0 IMPLEMENTATION**

This section identifies the pre-planned response to each emergency class declared by CCNPP. Refer to Dorchester REP (Annex P of County EOP) for a description of each emergency class.

**3.1 Unusual Event**

No response required.

3.2 **Alert**

3.2.1 Upon notification by the Dorchester County EMA Director, or his/her designee, of an Alert at the CCNPP, the Sheriff, or his designee, will report to the Dorchester County EOC.

3.2.2 The Sheriff's Office dispatcher will notify all other personnel of the emergency, upon authority from the Sheriff or Chief Deputy Sheriff.

3.3 **Site Area Emergency**

3.3.1 If the situation at the CCNPP facility escalates to a Site or General Emergency, the Sheriff, or his designee, may direct the establishment of Access Control Points and road blocks as shown in Tab D.

3.3.2 Notify EOC representative to report to County EOC.

3.3.3 Notify all other personnel to report to the Dorchester County Sheriff's Office for briefing and possible assignment.

3.4 **General Emergency** - Same as for Site Area Emergency.

4.0 **NOTIFICATION AND COMMUNICATION**

4.1 **Initial Notification**

Upon notification of an emergency,

4.1.1 Verify the authenticity and content of the message by return call to the County Central Warning (410-228-2222) or source of notification.

4.1.2 Notify the Sheriff or Chief Deputy Sheriff.

4.1.3 At the direction of the Sheriff, initiate a call-up of all off-duty personnel. (Current roster of personnel and home phone numbers is maintained at the dispatcher's desk.)

4.2 **Communications**

4.2.1 Communications with Sheriff's personnel will be by commercial telephone and radio.

4.2.2 Communications with the EOC will be by commercial telephone, or by radio net.

## 5.0 **PROTECTIVE ACTIONS**

**CAUTION:** BEFORE DISPATCHING ANY PERSONNEL, CHECK WITH THE RDO ON THE STATUS OF THE EMERGENCY. IF RADIATION HAS BEEN RELEASED, MAKE SURE ALL EMERGENCY WORKERS ARE BRIEFED ON EXPECTED DOSE RATES AND STAY TIMES. MAKE SURE EACH EMERGENCY WORKER IS ISSUED A DIRECT-READING DOSIMETER, TLD, AND RADIATION EXPOSURE RECORD AND THAT EACH TEAM HAS RADIO COMMUNICATIONS TO THE COUNTY EMERGENCY COMMUNICATIONS CENTER.

### 5.1 **Take Shelter**

- 5.1.1 At the direction of the EMA Director, and in conjunction with other agencies, aid in notification of the public to Take Shelter by use of mobile public address systems and personal contact.
- 5.1.2 Packets with route assignments and a "Protective Action" message provided by the County EMA Director are maintained by the Sheriff's Office and in the County EOC for distribution at time of deployment from assembly areas.
- 5.1.3 Road blocks are established to prevent access to the area as part of the Take Shelter action. Access control points are shown in Tab D.

### 5.2 **Thyroid Protection**

- 5.2.1 At the direction of the EMA Director, and in conjunction with other agencies, aid in notification of the public to Thyroid Protection by use of mobile public address systems and personal contact.
- 5.2.2 Packets with route assignments and a "Protective Actions" message provided by the County EMA Director are maintained by the Sheriff's Office and in the County EOC for distribution at time of deployment from assembly areas.

### 5.3 **Evacuation**

- 5.3.1 The Sheriff will support the County EMA in Evacuation operations.
- 5.3.2 Upon request of the EMA Director, the Sheriff's Office, assisted by the County Highway Division (DPW), Cambridge Police Department, MSP Barrack I and Natural Resource Police, will dispatch vehicles equipped with public address systems to areas specified by the EMA Director to notify residents to leave the area.
- 5.3.3 The Sheriff will initiate Access Control (see 5.4 of this SOP) to prevent entry into the affected areas and to provide timely

evacuation, assisted by MSP Barrack I and Cambridge Police Department on land and DNR Marine Police on waterways. Barriers will be provided by the County Highway Division (DPW) and, if needed, the State Highway Administration.

5.3.4 The Sheriff will request the Superintendent of Schools or the County Highway Division (DP) to provide vehicles to move those without transportation. Requests for transportation of non-ambulatory citizens will be made to the Fire and Rescue Coordinator.

5.3.5 Packets with route assignments and an "Evacuation" message provided by the County EMA Director are maintained by the Sheriff's Office and in the County EOC for distribution at time of deployment from assembly areas. Possible route assignments are listed in Tab C. The Department of Natural Resources maintains navigation charts for designating evacuation areas on water.

#### 5.4 **Access Control**

5.4.1 Access Control points will be determined in the area to be restricted as announced by the EMA Director. Packets with Stationary Posts listed are maintained by the Sheriff's Office and in the County EOC for distribution at time of deployment from assembly areas.

5.4.2 Control points will be manned by the Sheriff's Office personnel assisted by MSP Barrack I and Cambridge Police Department personnel and vehicles. Barricades will be provided by the County Highway Division (DPW) and State Highway Administration, as requested and specified by the Sheriff.

5.4.3 Access to affected areas on waterways will be under the direction of the Sheriff and carried out by the Department of Natural Resources personnel in boats.

#### 6.0 **PARALLEL ACTIONS**

6.1 Law Enforcement and Crime Prevention will be achieved by the Sheriff's Office, supported by the MSP Barrack I and Cambridge Police Department, using established procedures to prevent looting, vandalism, and other incidents.

#### 6.2 Return

The Sheriff will support the EMA Director in ensuring an orderly flow of traffic back into the area. Roadblocks will be removed and sufficient staff will be retained to handle criminal and motor vehicle complaints in the area.

#### 7.0 **PUBLIC INFORMATION**

All media requests for information will be forwarded to the County PIO. Any information requested by the County PIO will be provided by the Sheriff.

8.0 **TRAINING**

The Sheriff will assure that his personnel will avail themselves of required training as arranged for by the EMA Director.

9.0 **EXERCISES AND DRILLS**

The Sheriff will cooperate with the EMA Director by participating in scheduled exercises and drills.

10.0 **SOP MAINTENANCE**

The Sheriff will review and update this SOP as a minimum of once annually. Telephone lists will be reviewed for possible revision at least once each quarter.

TAB A

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TAB -B  
**Sheriff's Office Key Personnel**

Office Phone: 410-228-4141

List maintained in EOC

An updated personnel roster, with home phone numbers, is available at the Dispatcher's desk with 24-hour access capability.

A list of available equipment is maintained at the Sheriff's Office.

**TAB C****NOTIFICATION ROUTE ASSIGNMENT FOR TAKE SHELTER/EVACUATION**

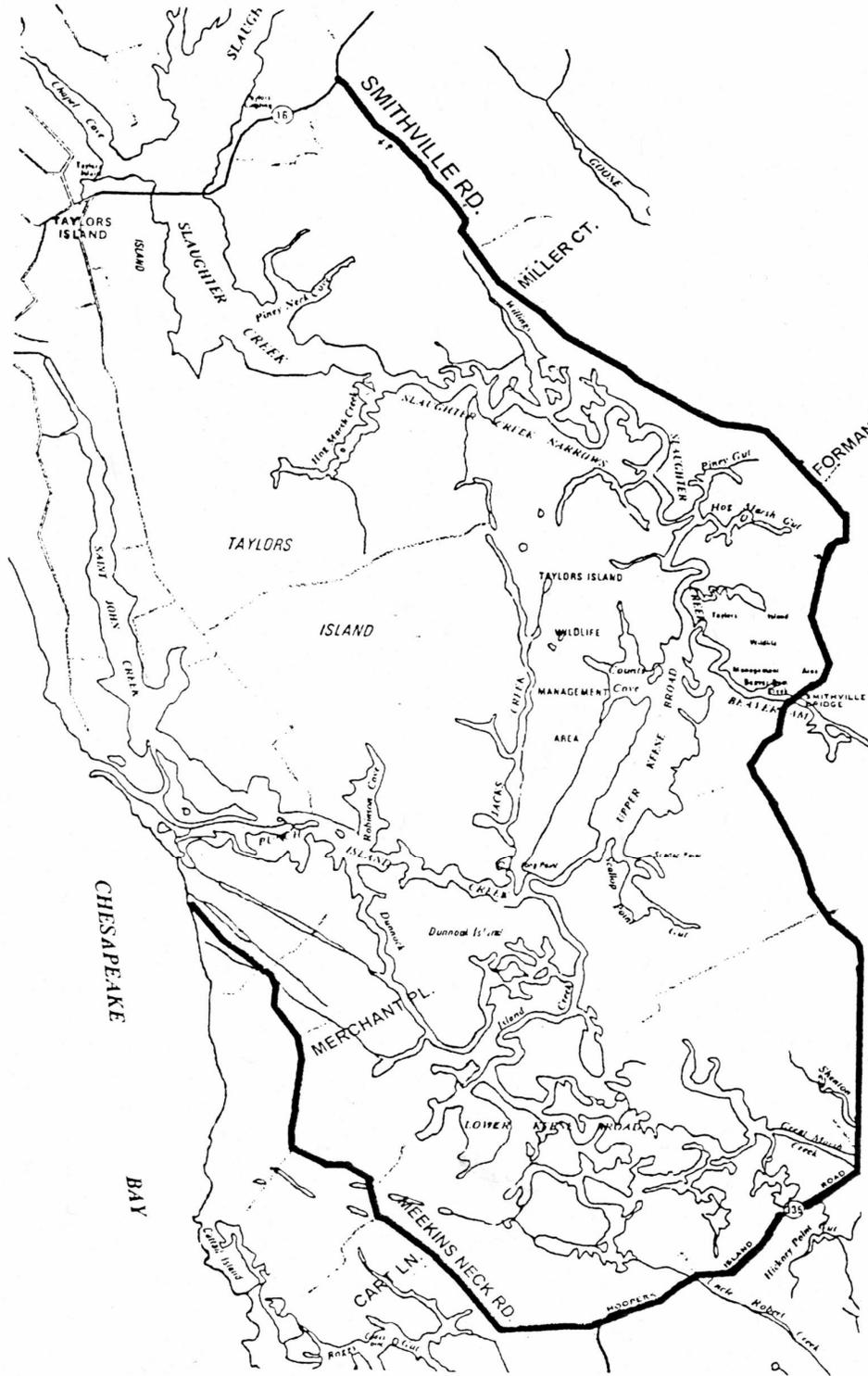
As a result of the pending emergency, you have been assigned a route to notify all civilian personnel of the emergency. The attached maps show the various routes to be assigned. Your mission is to announce over your public address system that there is an emergency at Calvert Cliffs Nuclear Power Plant (CCNPP) and that residents should tune in local television or radio stations for further information.

The test of your message is as follows:

**ATTENTION: THERE IS AN EMERGENCY AT CALVERT CLIFFS  
NUCLEAR POWER PLANT. TUNE IN LOCAL TELEVISION OR RADIO  
STATIONS FOR MORE INFORMATION PROTECTING YOUR  
SAFETY. I REPEAT, THERE IS AN EMERGENCY AT CALVERT  
CLIFFS NUCLEAR POWER PLANT. TUNE IN LOCAL TELEVISION  
OR RADIO STATIONS FOR MORE INFORMATION PROTECTING  
YOUR SAFETY.**

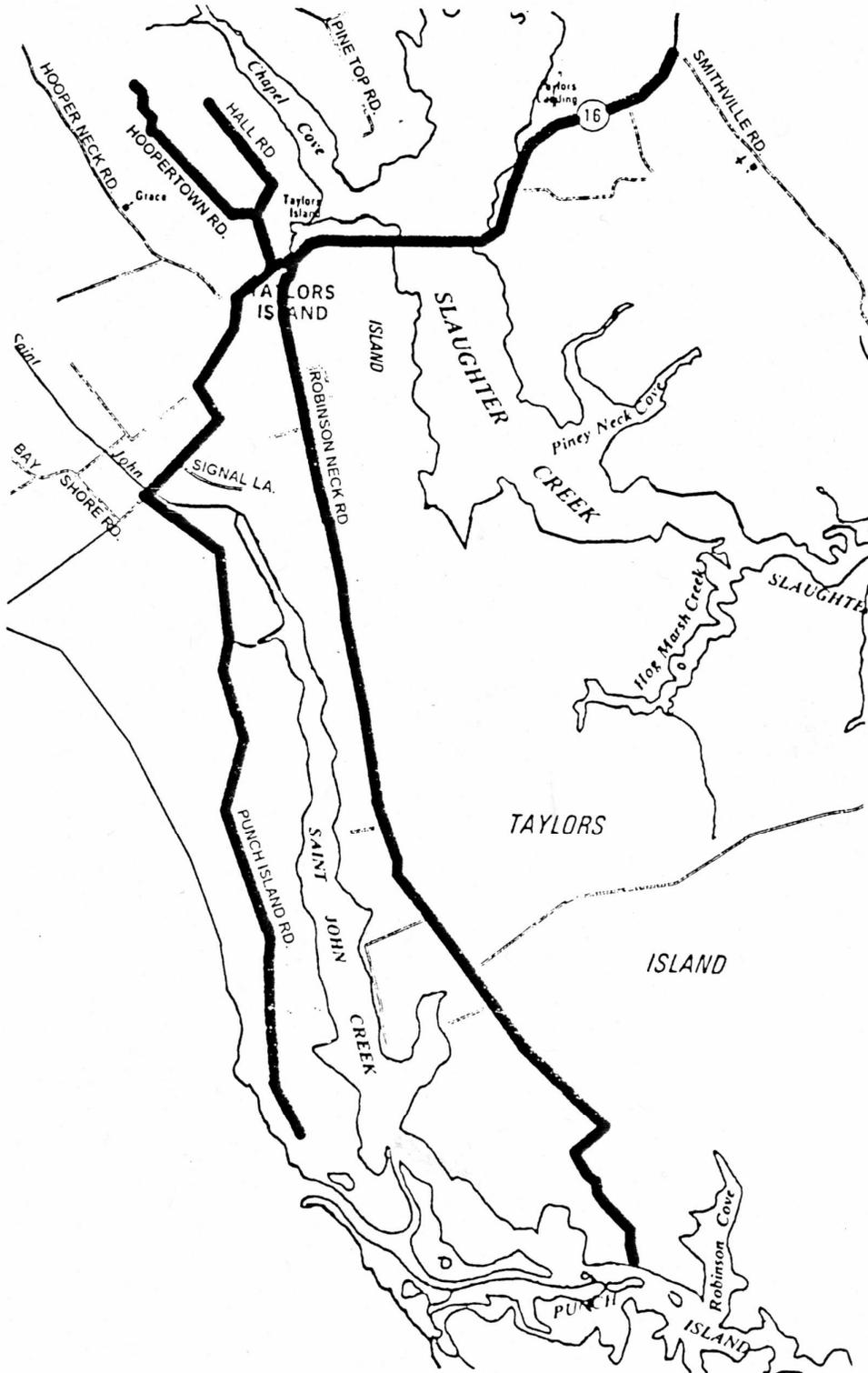
**Drive slowly** so that the entire message may be heard by residents within audible range.

### TAB C-1 Notification Route A

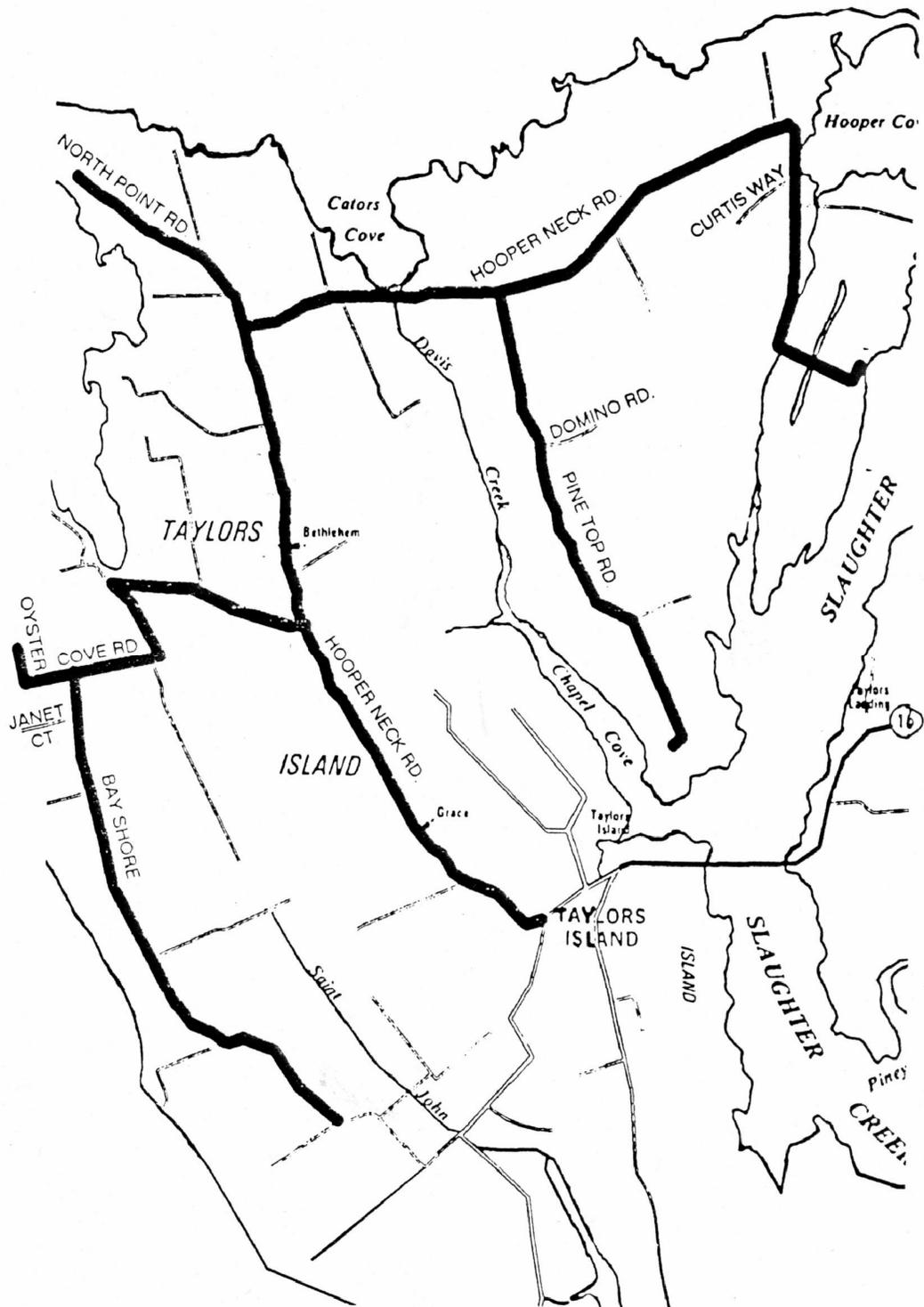


TAB C-2

Notification Route **B**



**TAB C-3**  
**Notification Route C**



**TAB D****ASSIGNMENTS FOR ACCESS CONTROL/LAW ENFORCEMENT AND  
CRIME PREVENTION**

As a result of the pending emergency, you have been assigned a certain Access Control Point. Access Control Points are described in Tab D-2.

When **Take Shelter** is in effect, civilian personnel and emergency workers will be allowed to enter the controlled area after being notified of the precautions to be taken. A prepared message is attached (Tab D-1).

When **Evacuation** is in effect, only emergency workers will be allowed into the controlled area. They **must** be equipped with self-protection dosimeters and two-way radio communications capability.

**TAB D-1****NOTIFICATION: ACCESS CONTROL TO AREA**

**INSTRUCTIONS:** MESSAGE TO BE USED BY OFFICIALS AT ACCESS CONTROL POINTS WHEN NOTIFYING THE PUBLIC THAT A TAKE SHELTER ORDER HAS BEEN GIVEN FOR THE CONTROLLED AREA.

"AN ACCIDENT OCCURRED AT THE CALVERT CLIFFS NUCLEAR POWER PLANT. ACCESS TO \_\_\_\_\_ IS LIMITED TO OFFICIAL PERSONNEL AND \_\_\_\_\_ (Describe area) IS LIMITED TO OFFICIAL PERSONNEL AND RESIDENTS WHO MUST RETURN TO THEIR HOMES. ALL RESIDENTS OF THIS AREA HAVE TAKEN SHELTER WITHIN THEIR HOMES. NON-RESIDENTS ARE ADVISED TO USE AN ALTERNATE ROUTE." (NOTE: EXPLAIN ALTERNATE ROUTES AVAILABLE.) IF ACCESS IS PERMITTED, THE VEHICLE DRIVER WILL BE TOLD: " WHEN DRIVING IN THE AFFECTED AREA YOU ARE REQUESTED TO KEEP YOUR CAR WINDOWS AND VENTS CLOSED. ONCE ARRIVING AT HOME, REMAIN INSIDE WITH ALL DOORS AND WINDOWS CLOSED AND VENTILATION TURNED OFF UNTIL OTHERWISE NOTIFIED. **TIE A WHITE CLOTH OR TOWEL ON YOUR FRONT DOOR** SO THAT THE EMERGENCY MANAGEMENT OFFICIALS WILL KNOW THAT YOU HAVE BEEN NOTIFIED. STAY TUNED TO LOCAL RADIO/TELEVISION STATIONS FOR MORE INFORMATION."

**TAB D-2**

**ACCESS CONTROL POINTS, MASS CARE & RECEPTION CENTERS**

ACCESS CONTROL POINTS

A-1 - Rt. 16 and Slaughter Creek Bridge (only road-entry onto Taylors Island, Maryland.)

A-2 - Rt. 16 and Smithville Road intersection.

A-3 - Rt. 16 and Rt. 335 intersection at Church Creek, Maryland. (Near Church Creek Post Office.)

A-4 - Rt. 335 and Smithville Road. (Near House Point and south of Hip Roof Road and Smithville Road intersection.)

A-5 - Rt. 16 and Maple Dam Road intersection. (Near entrance to Cambridge-South Dorchester High School.)

A-6 - Rt. 335 and Rt. 336 intersection at Gootee's Marina.

MASS CARE CENTER

Cambridge-South Dorchester High School  
2475 Cambridge Beltway  
Cambridge, Md. 21613

CSDHS is located on Cambridge Bypass (Rt. 16) between Maple Dam Road and Egypt Road, Cambridge, Maryland.

RECEPTION CENTER

Maple Elementary School  
5225 Egypt Road  
Cambridge, MD 21613

VEHICLE DECONTAMINATION

Egypt Road Park (Across from the Maple Elementary School)  
Egypt Road, Cambridge, MD. 21613

**Attachment #7****DORCHESTER COUNTY****TAYLORS ISLAND VOLUNTEER FIRE COMPANY  
(FIRE RESCUE & EMS)****STANDARD OPERATING PROCEDURES****1.0 RESPONSIBILITIES**

The responsibilities of the Taylors Island Volunteer Fire Company are outlined in the Dorchester REP. The Fire Company is the key agency for Emergency Medical Services supported by Dorchester General Hospital and various County agencies. The Fire Company is a support agency for Take Shelter, Evacuation and Radiation Exposure Control.

**2.0 COMMAND AND COORDINATION**

- 2.1 The County Fire and Rescue Coordinator, or his designated alternate, is in charge of the emergency response operations. The Coordinator is responsible for ensuring that the agency is properly staffed and sufficient resources available for 24-hour operations for a protracted period.
- 2.2 Normal procedures will be utilized for obtaining necessary resources. When these sources become exhausted, request for additional resources will be made to the EMA Director.
- 2.3 A record of activities shall be kept during the duration of the emergency. A record of man-hours expended and other costs shall be maintained and submitted to the EMA Director at the end of the emergency. Receipts will be provided.

**3.0 IMPLEMENTATION**

This section identifies the pre-planned response to each emergency class declared by CCNPP. Refer to Dorchester REP (Annex P of County Emergency Operations Plan) for a description of each emergency class.

**3.1 Unusual Event**

No response required.

**3.2 Alert**

County 9-1-1 Center will notify the Fire and Rescue Coordinator to standby.

### 3.3 **Site Area Emergency**

Upon notification by the Dorchester County Emergency Management Agency, or his/her designee, of a Site Area Emergency at the CCNPP, the Fire and Rescue Coordinator will report to the Dorchester County EOC.

### 3.4. **General Emergency**

Same as for Site Area Emergency.

## 4.0 **NOTIFICATION AND COMMUNICATION**

### 4.1 **Initial Notification**

Upon notification of an emergency,

4.1.1 The Fire and Rescue Coordinator may, if the caller is unknown to him, verify the authenticity and content of the message by calling the County 9-1-1 Center (Phone: 410-228-2222) or the County EOC (Phone: 410-228-1818).

4.1.2 The Coordinator will direct County 9-1-1 Center to notify appropriate Fire Chiefs, who will notify their personnel to standby. (Tab B)

### 4.2 **Communications**

4.2.1 Communications with fire personnel will be by routine channels.

4.2.2 Communications with the EOC will be by radio and commercial telephone. See Tab C for telephone numbers and Tab D for radio frequencies.

## 5.0 **PROTECTIVE ACTIONS**

**CAUTION:** BEFORE DISPATCHING ANY PERSONNEL, CHECK WITH RDO ON THE STATUS OF THE EMERGENCY. IF RADIATION HAS BEEN RELEASED, MAKE SURE ALL EMERGENCY WORKERS ARE BRIEFED ON EXPECTED DOSE RATES AND STAY TIMES. MAKE SURE EACH EMERGENCY WORKER IS ISSUED A DIRECT-READING DOSIMETER, A TLD, RADIATION EXPOSURE RECORD, AND THAT EACH TEAM HAS RADIO COMMUNICATIONS TO THE COUNTY COMMUNICATIONS CENTER.

### 5.1 **Take Shelter**

Taylor's Island Volunteer Fire Company (TIVFC) is the support organization on Take Shelter.

- 5.1.1 TIVFC will assist in notifying the public of Take Shelter procedures and actions by utilizing alert systems, mobile public address systems and by direct contact, if necessary.
- 5.1.2 Mobile public address systems or direct contact will be supported by the Sheriff's Office, MSP-Barrack I, Cambridge City Police, and Department of Natural Resources Police. (DNR).

## 5.2 **Thyroid Protection**

Taylor's Island Volunteer Fire Company (TIVFC) is a support organization on Thyroid Protection Shelter.

- 5.1.1 TIVFC will assist in notifying the public of Thyroid Protection procedures and actions by utilizing alert systems, mobile public address systems and by direct contact, if necessary.
- 5.1.2 Mobile public address systems or direct contact will be supported by the Sheriff's Office, MSP-Barrack I, Cambridge City Police, and Department of Natural Resources Police. (DNR).

## 5.3 **Evacuation**

The TIVFC will support the County EMA in evacuation operations.

- 5.3.1 TIVFC, as a support organization, will notify the public of evacuation procedures actions by utilizing alert systems and by utilizing the mobile public address systems and by direct contact.
- 5.3.2 Mobile public address systems or direct contact will be supported by the Sheriff's Office, County Highway Division (DPW), Cambridge City Police, MSP-Barrack I and DNR Marine Police.
- 5.3.3 Additional equipment and personnel may be assigned to assist by the County Fire and Rescue Coordinator, under a mutual-aid agreement between County fire companies.

## 6.0 **PARALLEL ACTIONS**

### 6.1 **Emergency Medical Services**

- 6.1.1 TIVFC is the key county organization for Emergency Medical Services operations.
- 6.1.2 TIVFC will provide emergency ambulance services as required. Additional equipment and personnel may be assigned to assist by the County Fire and Rescue and EMS Coordinator, under a mutual-aid agreement between County fire companies.

- 6.1.3 Dorchester General Hospital will provide Emergency Medical Assistance in accordance with the Dorchester General Hospital Disaster Plan. Contaminated patients may be treated at Dorchester General Hospital or be evacuated to Calvert Memorial Hospital or Upper Chesapeake Medical Center (Harford County) if necessary.

## 6.2 **Radiation Exposure Control**

See Radiation Exposure Control SOP ( Attachment #4).

- 6.2.1 TIVFC is a support organization for Radiation Exposure Control.
- 6.2.2 TIVFC will support the County RDO in monitoring emergency worker exposure.
- 6.2.3 At the request of the County Radiological Officer (RDO), the Fire and Rescue Coordinator will organize personnel and equipment for monitoring and decontamination of personnel and equipment involved in the emergency response. Assembly will be at the Maple Elementary School. (See Tab F)
- 6.2.4 At the request of the County RDO, the Fire and Rescue Coordinator will organize monitoring teams, equipment, and necessary decontamination equipment for the evacuee's Reception Area at Maple Elementary School. (See Tab F)

## 7.0 **PUBLIC INFORMATION**

All media requests for information must be forwarded to the County PIO. Any information requested by the County PIO will be provided.

## 8.0 **TRAINING**

The Chief of Taylors Island Volunteer Fire Company will request that the volunteer personnel avail themselves of required training as arranged by the EMA Director.

## 9.0 **EXERCISES AND DRILLS**

Taylors Island Volunteer Fire Company will cooperate with the EMA Director by participating in scheduled exercises and drills.

## 10.0 **SOP MAINTENANCE**

The Chief of Taylors Island Volunteer Fire Company and the County Fire and Rescue Coordinator will review for possible revision, this SOP at a minimum of once annually. Telephone lists will be reviewed for possible revision at least once quarterly.

**TAB A**

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**TAB B**

**EMERGENCY CALL LIST**

**TAYLORS ISLAND VOLUNTEER FIRE COMPANY**

(List Maintained in the EOC)

A roster of active members of Taylors Island VFC is maintained at the fire company office. Members may also be contacted via County 9-1-1 Center radio net through scanners in some members homes.

Additional assistance may be obtained from Hoopers Island, Madison, and Church Creek Volunteer Fire Companies by contacting the County 9-1-1 Center.

**TAB C**  
**TELEPHONE CALL LIST**  
**(List Maintained in the EOC)**

**TAB D****NOTIFICATION ROUTE ASSIGNMENT FOR TAKE SHELTER/EVACUATION**

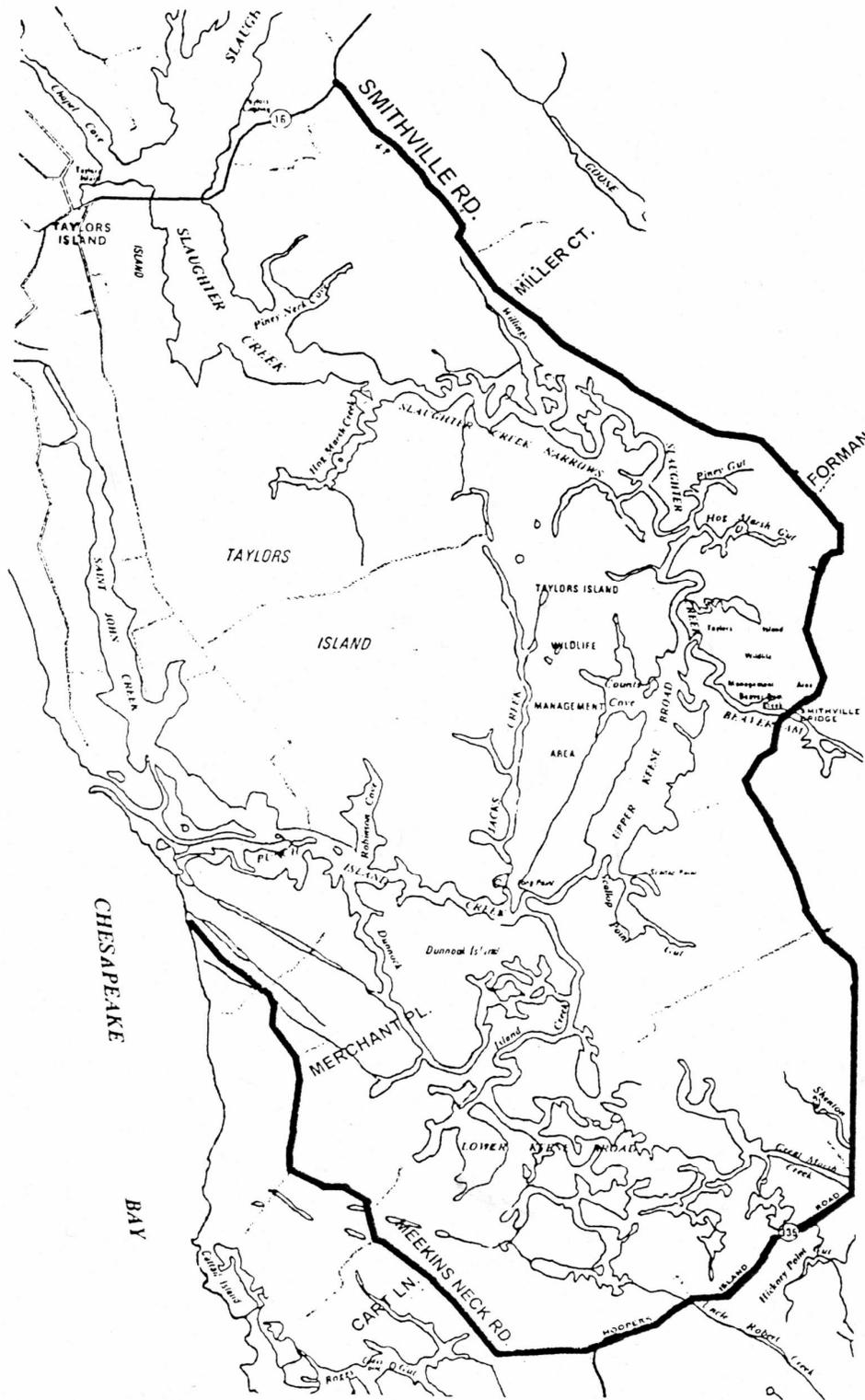
As a result of the pending emergency, you have been assigned a route to notify all civilian personnel of the emergency. The attached maps show the various routes to be assigned. Your mission is to announce over your public address system that there is an emergency at the Calvert Cliffs Nuclear Power Plant (CCNPP) and that residents should tune in local television or radio stations for further information.

The text of your message is as follows:

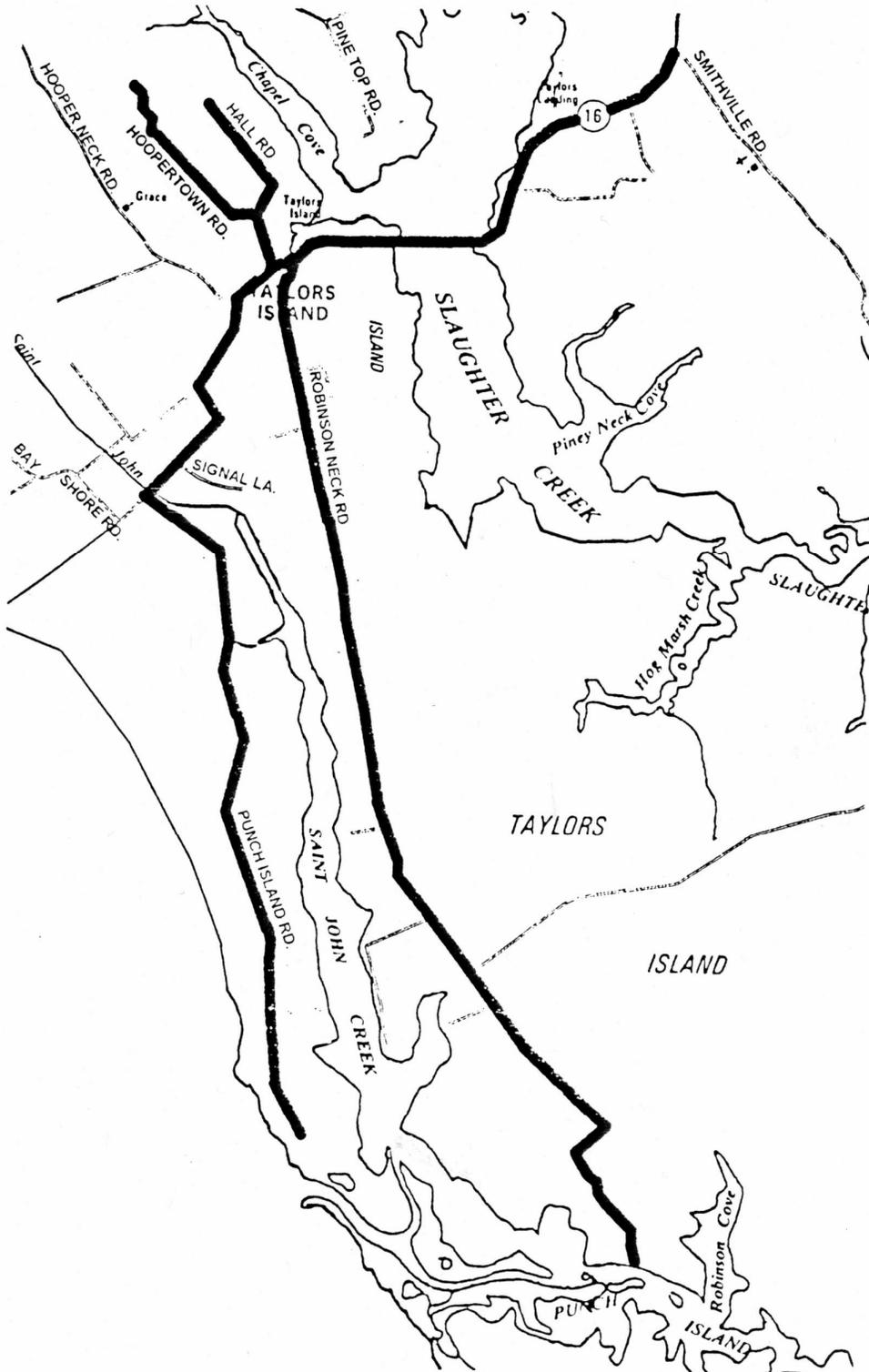
**ATTENTION: THERE IS AN EMERGENCY AT CALVERT CLIFFS  
NUCLEAR POWER PLANT. TUNE IN LOCAL TELEVISION OR  
RADIO STATIONS FOR MORE INFORMATION PROTECTING YOUR  
SAFETY. I REPEAT, THERE IS AN EMERGENCY AT CALVERT  
CLIFFS NUCLEAR POWER PLANT. TUNE IN LOCAL TELEVISION  
OR RADIO STATIONS FOR MORE INFORMATION PROTECTING  
YOUR SAFETY.**

**Drive slowly** so that the entire message may be heard by residents within audible range.

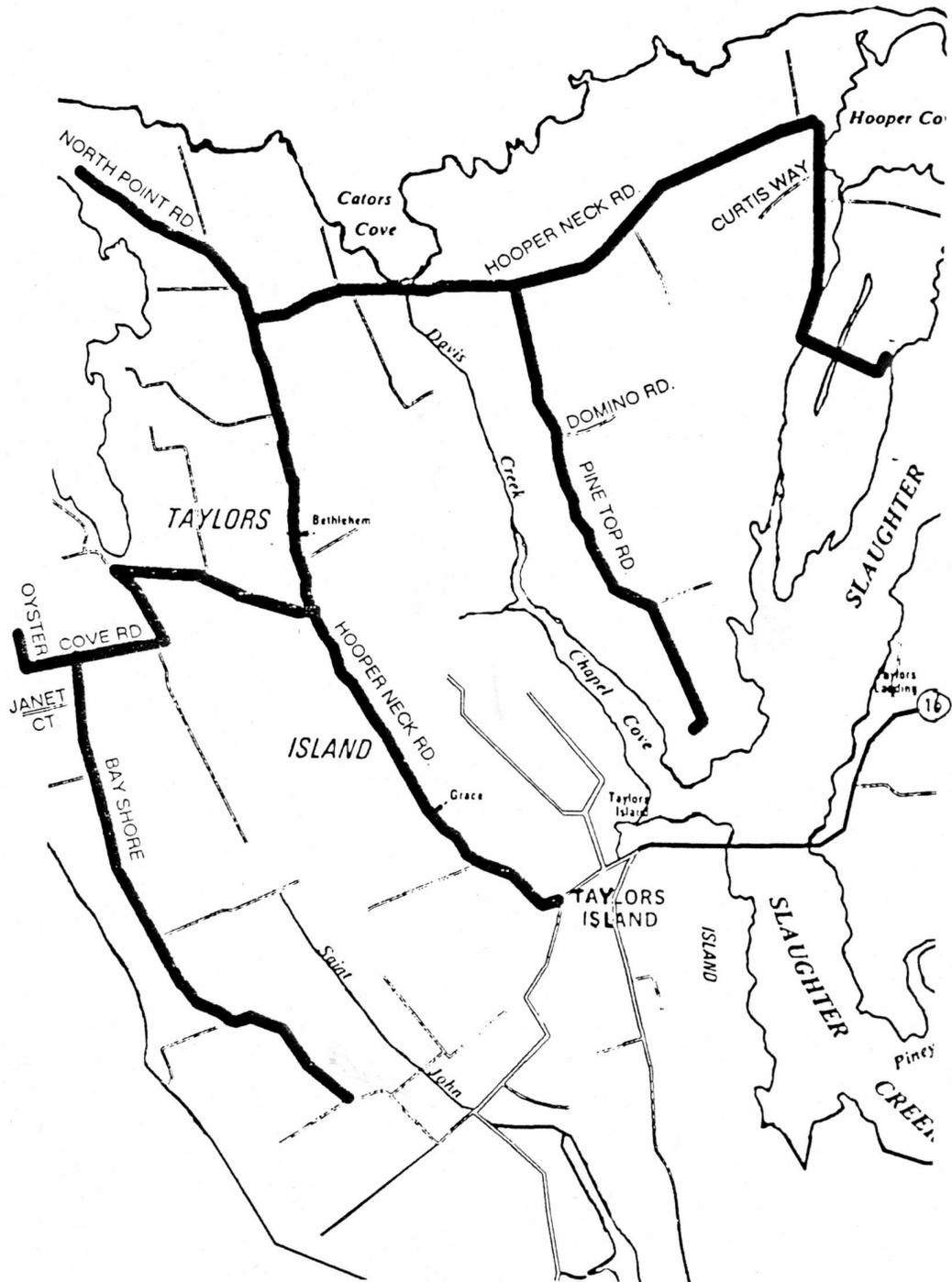
### TAB D-1 Notification Route A



**TAB D-2**  
**Notification Route B**



**TAB E-3**  
**Notification Route D-3**



**TAB E****DORCHESTER COUNTY****RADIOLOGICAL MONITORING AND DECONTAMINATION CENTERS****EVACUEES**

The following Reception Areas will be equipped to monitor evacuees for radiological contamination. They will also be equipped to perform decontamination as necessary.

Maple Elementary School  
5225 Egypt Road  
Cambridge, Maryland

**MASS CARE**

Cambridge-South Dorchester High School  
2475 Cambridge By-Pass  
Cambridge, Maryland

**EMERGENCY WORKERS, EQUIPMENT AND MATERIALS**

The following facility will be equipped to monitor emergency workers, equipment, and materials for radiological contamination and will be equipped to perform decontamination as necessary:

Maple Elementary School  
5225 Egypt Road  
Cambridge, Maryland

**VEHICLES**

The following area will be equipped to monitor vehicles for radiological contamination and will be equipped to perform decontamination as necessary.

Egypt Road Park  
Egypt Road (Across the highway from Maple Elementary School)  
Cambridge, Maryland



**Attachment #8**  
**DORCHESTER COUNTY**  
**HEALTH DEPARTMENT**

STANDARD OPERATING PROCEDURES

1.0 **RESPONSIBILITIES**

The responsibilities of the Dorchester County Health Department are outlined in the Dorchester REP. The Health Department is a support agency for Accident Assessment; Food, Water, Milk, Livestock Feed Control; Radiation Exposure Control, Mass Care, and Public Information.

2.0 **COMMAND AND COORDINATION**

2.1 The County Health Officer or alternate, the Director, Environmental Health, is in charge of the emergency response operations. The County Health Officer is responsible for ensuring that the agency is properly staffed and sufficient resources are available for 24-hour operations for a protracted period.

2.2 Normal procedures will be utilized for obtaining necessary resources. When these resources become exhausted, request for additional resources will be made to the EMA Director through the County Health Department EOC representative.

2.3 A record of activities shall be kept during the emergency. A record of man-hours expended and other costs shall be maintained and submitted to the EMA Director at the end of the emergency. Receipts for all expenditures will be provided.

2.4 All County Health personnel who reside within the 10-mile radius plume zone will insure, before reporting to duty, that their families fully understand what actions they may have to take when directed to do so by the County government and that they are capable of doing so.

3.0 **IMPLEMENTATION**

This section identifies the pre-planned response to each emergency class declared by CCNPP. Refer to Dorchester REP for a description of each emergency class.

3.1 **Unusual Event**

No response required.

3.2 **Alert**

3.2.1 The EMA Director will notify EOC representative (County Health Officer) to standby.

3.2.2 The County Health Officer, or alternate, will notify all other personnel of the emergency. (Tab B)

### 3.3 **Site Area Emergency**

3.3.1 The County Health Officer will report to County EOC.

3.3.2 Notify all other personnel to report to the County Health Office for briefing and possible assignment. (Tab B)

### 3.4 **General Emergency -** Same as for Site Area Emergency

## 4.0 **NOTIFICATION AND COMMUNICATION**

### 4.1 **Initial Notification**

Upon notification of an emergency by the EMA Director,

4.1.1 Verify the authenticity and content of the message by return call to the official who made the notification call or the County EOC (410-228-1818).

4.1.2 Notify the County Health Officer (410-228-3223).

4.1.3 At the direction of the County Health Officer, initiate a call up of all off-duty personnel. (See Tab B for listing of key names and telephone numbers.)

### 4.2 **Communications**

4.2.1 Primary communications with agency personnel will be by telephone. Department radio communications will be the secondary means.

4.2.2 Communications with the EOC will be by commercial telephone or 800 mgHz radio.

4.2.3 Communications with the Maryland Department of the Environment Accident Assessment Center (AAC) in Baltimore will be by commercial telephone (unlisted number) in the County EOC.

## 5.0 **ACCIDENT ASSESSMENT**

The Health Department is a support agency for Accident Assessment. The Health Officer will be kept informed of the accident status by the County Emergency Management Agency (EM) Director. The Health Officer will be located at the EOC and will assist the County Council in the interpretation of radiological data as provided by the Radiological Health Program, Maryland Department of the Environment (MDE). *In the absence of any Protective Action Recommendations or directives from the Governor or Secretary, MDE, the Health Officer will consult with the EMA Director in order to provide the Board of County Council with recommendations on Protective Actions to be taken.* The Health

Department will provide personnel and equipment for the collection of samples as requested by the MDE.

## 6.0 **PROTECTIVE ACTIONS**

**CAUTION:** BEFORE DISPATCHING ANY PERSONNEL, CHECK WITH THE RDO ON THE STATUS OF THE EMERGENCY. IF RADIATION HAS BEEN RELEASED, MAKE SURE ALL EMERGENCY WORKERS ARE BRIEFED ON EXPECTED DOSE RATE AND STAY TIMES. MAKE SURE EACH EMERGENCY WORKER IS ISSUED A DIRECT-READING DOSIMETER, A TLD, RADIATION EXPOSURE RECORD, AND THAT EACH TEAM HAS RADIO COMMUNICATIONS TO THE COUNTY COMMUNICATIONS CENTER.

### 6.1 **Thyroid Protection**

The County Health Department is the lead agency in ensuring potassium iodide is available to the general public. The Health Department, assisted by the Emergency Management Agency will provide KI tablets at a designated location for members of the general population if required.

### 6.2 **Food, Water, Milk, and Livestock Feed Control**

The County Health Department is the support agency to the MDE for Food, Water, Milk, and Livestock Feed Control. The Health Department will assist in the control and disposition of food, water, milk and livestock feed supplies as requested by the MDE.

## 7.0 **PARALLEL ACTIONS**

The Health Department is a support agency for Radiation Exposure Control and for Mass Care.

### 7.1 **Radiation Exposure Control**

7.1.1 The Health Department will maintain the emergency worker exposure records. The RDO will forward all dosimetry records to the County Health Officer for the purpose of record keeping, analysis, reporting and storage. The County Health Officer will retain all original copies and be the permanent office of record of the completed forms. The records of individuals are to be kept confidential. (See Radiation Exposure Control SOP, Attachment #4.)

7.1.2 The County Health Officer may authorize emergency worker exposure in excess of those limits contained in reference listed above. The County Health Officer is responsible for maintaining emergency personnel exposure as low as possible, for maintaining emergency personnel exposure records, informing personnel of possible health effects to personnel

entering known or potentially high radiation areas where those personnel are expected to receive greater than one (1) rem of exposure.

7.1.3 The County Health Officer will authorize the administration of Potassium Iodide (KI) to the emergency worker as this action is deemed necessary. See Tab C for detailed procedures on administering KI.

7.1.4 The Health Department will monitor emergency worker and evacuee exposure. See Tab D for detailed procedures.

## 7.2 **Mass Care**

The County Health Department will support the key agency for Mass Care, the County Department of Social Services. Public Health Nurses will be provided to each evacuation center which has been opened by the County for the receipt of evacuees. The Public Health Nurses will be available in the Center at all times for the purpose of administering first-aid and routine nursing services.

## 8.0 **PUBLIC INFORMATION**

All media requests for information will be forwarded to the County PIO. Any information requested by the County PIO will be provided.

## 9.0 **TRAINING**

The County Health Officer will assure that personnel avail themselves of required training programs by State and Local governments to prepare them in dealing with emergencies at CCNPP.

## 10.0 **EXERCISES AND DRILLS**

The Health Department will participate in exercises and drills at least annually.

## 11.0 **SOP MAINTENANCE**

The County Health Officer has overall responsibility to review and update this SOP at least annually. Telephone lists will be reviewed and updated quarterly.

**TAB A**

DORCHESTER COUNTY HEALTH DEPARTMENT NOTIFICATION PLAN

EOC Notification

(410-228-1818)

(List maintained in the EOC)

\*Updated rosters of personnel, along with addresses and home phone numbers are maintained at the County Health Department office.

**TAB B**

STAFFING FOR RADIOLOGICAL AND GENERAL EMERGENCIES

(List maintained in the EOC)

EMERGENCY MANAGEMENT EOC:

1-410-228-1818

ENVIRONMENTAL HEALTH:

HEALTH DEPARTMENT -MAIN BUILDING

**Further back-up and support as assigned by Nursing Designee**

## TAB C

### ADMINISTRATION OF RADIOPROTECTIVE DRUGS

#### 1. GENERAL

- 1.1 The Maryland Department of the Environment (MDE) has developed policies on the use, administration, distribution and storage requirements for Potassium Iodide (KI)
- 1.2 Iodine accumulates in the thyroid gland which is located at the front base of the neck just below the larynx (Adam's Apple). Radioactive iodine is no different, i.e., it will accumulate in the thyroid gland in high concentration. Taking KI will have the effect of saturating the thyroid gland with iodine so that radioactive iodine (radioactive iodine) will not lodge there in a large quantity. Hence, KI lessens the risk to the thyroid gland. A unit of KI consists of 2 tablets of 130 mg. in size; the dose is one tablet per day. (See Tab B to Attachment #4-5)
- 1.3 The toxicity level of KI is very low and dangers in taking this drug are considered to be minimal. Nonetheless, individuals should not take more than the recommended dose. Although side effects to KI are unlikely because of the low dose and the short time period it will be taken, some side effects are possible--the side effects may include: "iodism" (metallic taste), burning mouth and throat, sore teeth and gums, cold symptoms and sometimes gastrointestinal symptoms. A few people (estimated 1 in 50,000 may have an allergic reaction with more serious symptoms. These symptoms could be: elevated temperature, joint pains, swelling of the face and body, and at times, severe shortness of breath which requires immediate medical attention.
- 1.4 The effectiveness of KI as a blocking agent is greatest if administered before the time of exposure to radio iodine, but some exposure saving can be obtained by administration shortly after exposure.
- 1.5 The likely consequences of an emergency worker's exposure radiation during a fixed nuclear site incident follow:
- 1.5.1 Emergency workers engaging in life savings activities will not be affected by radiation sickness if the whole body exposure PAG (25 rem) is not exceeded. (\*1) The emergency worker is not risking his life until about 200 rem is exceeded.
- 1.5.2 Some representative dose effect relationships in man for whole body irradiation with a short period of time (24 hours) are: (\*2)

<u>Effect</u>	<u>Gamma Dose (rem)</u>
Minimal dose detectable by	5 - 25

chromosome analysis. No readily detectable blood changes.

Temporary sterility. 50

Minimal acute dose readily detectable in a specific individual, e.g., blood count changes. 50 - 75

Minimal acute dose likely to produce vomiting in about 10% of people so exposed. 75 - 125

Acute dose likely to produce transient disability and clear blood changes. 150 - 200

Median lethal dose for a short single exposure. 300

Permanent sterility 800

**NOTE:** (\*1) Manual of Protective Action Guides and Protective Actions for Nuclear Incidents, EPA 400-R-92-001.

(\*2) NCRP No. 39, Basic Radiation Protection Criteria.

1.5.3 EPA Protective Action guides for thyroid dose is 25 rem for emergency workers. Maryland has implemented a 10 rem thyroid dose limit. There is no specific upper limit for life savings activities. No specific upper limit is given for thyroid exposure since, in the extreme case, complete thyroid loss may be an acceptable penalty for a life saved. However, this should not be necessary if respirators and/or thyroid protection for rescue personnel are available.

## 2.0 **IMPLEMENTATION**

- 2.1 The administration of KI as a blocking agent will be as directed by the County Health Officer during an emergency at a nuclear power plant.
- 2.2 Supplies of Potassium Iodide (KI) tablets will be stored at the County Health Department to be disseminated to assembly area (County Emergency Operations Center).
- 2.3 The County Health Officer will insure that the KI doses are properly stored in a secure location and maintain shelf-life records.
- 2.4. All emergency personnel (police, fire and rescue personnel, radiological field monitors, medical personnel) who are administered KI will be thoroughly briefed by the Health Officer or his designated representative before each mission.
- 2.5 Emergency personnel will be provided a Radiation Exposure Record Form (Tab C-1) and the KI record will be completed before each mission. Upon

completion of the mission, the report will be returned to the Health Officer. The Health Officer or designated representative will review the form and maintain on file.

### 3.0 **RADIATION EXPOSURE CONTROL**

#### 3.1 **Potassium Iodide**

The use of stable iodide as a protective action for emergency workers has been recommended by the Environmental Protection Agency. When a projected thyroid dose is greater than 10 rem, the administration of KI as a blocking agent should be considered. Its administration must be in accordance with the State of Maryland Health Laws and be under the direction of State or County medical officials. The Secretary, MDE, or the Deputy State Health Officers are responsible for the release of Potassium Iodide for use in an emergency. The County Health Officer will brief emergency workers on the limitations and direction for administration of Potassium Iodide (KI) prior to their departure. The Secretary, MDE, or the Deputy Health Officers shall make determination for continued daily use of KI. (130 milligram, per day, per person, up to 10 days).

When KI is to be administered, single doses of 130 milligram (1 tablet) are to be administered to effected individuals prior to responding to an emergency or within two hours of exposure. If it is impossible to administer KI within two hours of exposure, administration beyond this point will still reduce the biological half-life of radio iodine.

Supplies of KI (in tablet form) are located at the Emergency Operating Center (EOC) in Calvert and St. Mary's County and at the Dorchester County Health Department in Dorchester County. Approximately 1400 doses of KI are located at the above stated locations. A stock of approximately 5000 doses of standard solution of Potassium Iodide (SSKI) is maintained in the pharmacy at Calvert Memorial Hospital in Prince Frederick, Maryland for support of local emergency team workers. Standard solution Potassium Iodide is administered at the rate of two or three drops of SSKI in a glass of water in lieu of 130 milligram tablets. In the event of the depletion of existing governmental supplies, the request for the use of stock (SSKI) at the Calvert Memorial Hospital must be coordinated through a Deputy State Health Officer with the Secretary, MDE.

Shelf-life records will be maintained at each storage location. The Deputy State Health Officer will maintain the shelf-life record in each respective plume zone county.

**Attachment #9**  
**DORCHESTER COUNTY**  
**BOARD OF EDUCATION**

STANDARD OPERATING PROCEDURES

**1.0 RESPONSIBILITIES**

The responsibilities of the Board of Education are outlined in the Dorchester REP. The Board of Education is a support agency for Evacuation, Mass Care, Return, and Public Information.

**2.0 COMMAND AND COORDINATION**

- 2.1 The Superintendent of Schools, or designated alternate is in charge of the emergency response operations. The Superintendent is responsible for ensuring that the agency is properly staffed and sufficient resources are available for 24-hour operations for a protracted period.
- 2.2 Normal procedures will be utilized for obtaining necessary resources. When these resources become exhausted, requests for additional resources will be made to the EMA Director through the EOC representative.
- 2.3 A record of activities shall be kept during the emergency. A record of manhours expended and other costs shall be maintained and submitted to the EMA Director at the end of the emergency. Receipts will be provided.

**3.0 IMPLEMENTATION**

This section identifies the pre-planned response to each emergency class declared by Calvert Cliffs Nuclear Power Plant (CCNPP). Refer to Dorchester REP (Annex P to County Emergency Operations Plan) for a description of each general class.

**3.1 Unusual Event**

No response required.

**3.2 Alert**

- 3.2.1 The EMA Director will notify EOC representatives to standby.
- 3.2.2 The Superintendent or the designee will notify all other personnel of emergency as deemed necessary (Tab B).

**3.3 Site Area Emergency**

- 3.3.1 The EOC representatives will report to the County EOC.
- 3.3.2 The Transportation Supervisor will notify appropriate personnel to have necessary buses report to the Dorchester County EOC to obtain instructions and radiological equipment. (Tab B)

3.3.3 The Schools Facilitator will notify personnel to be ready to open Cambridge-South Dorchester High School and Maple Elementary School, if necessary. (Tab A).

3.4 **General Emergency** - Same as for Site Area Emergency

#### 4.0 **NOTIFICATION AND COMMUNICATION**

##### 4.1 **Initial Notification**

Upon notification of an emergency by the County EMA Director,

4.1.1 The Transportation Manager may, if the caller is unknown to him, verify the authenticity and content of the message by return call to EMA, (Phone: 228-1818).

4.1.2 The Transportation Manager will notify the Superintendent.

4.1.3 At the direction of the Transportation Manager or designee will initiate a call up of all off-duty personnel (See Tab A and B for listing of names and telephone numbers).

##### 4.2 **Communications**

4.2.1 Communications with agency personnel will be by routine channels.

4.2.2 Communications with the EOC will be by commercial telephone and radio.

#### 5.0 **PROTECTIVE ACTIONS**

**CAUTION:** BEFORE DISPATCHING ANY PERSONNEL, CHECK WITH THE RDO ON THE STATUS OF THE EMERGENCY. IF RADIATION HAS BEEN RELEASED, MAKE SURE ALL BUS DRIVERS ARE BRIEFED ON EXPECTED DOSE RATES AND STAY TIME. MAKE SURE EACH EMERGENCY WORKER IS ISSUED A DIRECT-READING DOSIMETER, A TLD, RADIATION EXPOSURE RECORD, AND THAT EACH TEAM HAS RADIO COMMUNICATIONS TO THE COUNTY COMMUNICATIONS CENTER.

## 5.1 **Evacuation**

- 5.1.1 If the situation escalates to a General Emergency and evacuation is imminent, information packets for those areas to be evacuated (based on information provided by the EMA Director or his/her designee), and dosimeters will be distributed to the bus drivers at the bus assembly area.
- 5.1.2 Upon notification from the County EMA Director, the assigned buses for those designated areas will be dispatched. Vehicles with lifts for handicapped individuals will be dispatched, if necessary (See Tab B).
- 5.1.3 Evacuees will be transported by assigned buses to the Reception Center at Maple Elementary School to be monitored for possible radioactive contamination prior to transporting evacuees to the Mass Care Center at Cambridge-South Dorchester High School.
- 5.1.4 The Transportation Manager will procure a list of those persons handicapped or in need of special transportation from the EMA Director to supplement listing of school-aged persons with special needs maintained by the Board of Education.
- 5.1.5 Should evacuation of the EPZ occur during school hours, Cambridge-South Dorchester High students residing in the affected area will remain at the school following close of regular school day. Students at South Dorchester K-8 who reside in the affected area will be transported directly to Cambridge-South Dorchester High School.
- 5.1.6 When assigned mission is completed, drivers will report to the decontamination area at the Maple Elementary School for further instructions and personal dosimeter readings will be checked and recorded. Personnel and equipment will be checked for contamination and decontamination, if necessary.

## 6.0 **PARALLEL ACTIONS**

### 6.1 **Mass Care**

If an evacuation is imminent or has been ordered, personnel of the school designated as the Mass Care Center will open the schools and support the Department of Social Services by providing food service for evacuees (See Tab C).

## 6.2 **Return**

Bus transportation will be provided as needed to return evacuees to their homes. Directions on when and where evacuees may be returned will come from EMA.

## 7.0 **PUBLIC INFORMATION**

All media requests for information must be forwarded to the County Public Information Officer (PIO). Any information requested by the County PIO will be provided.

## 8.0 **TRAINING**

The Superintendent of Schools will assure that assigned personnel avail themselves of required training as arranged by the EMA Director.

## 9.0 **EXERCISES**

The Board of Education will cooperate with the EMA Director by participating in scheduled drills and exercises.

## 10. **SOP MAINTENANCE**

The Superintendent of Schools will review for possible revision this SOP at a minimum of once annually. Telephone lists will be reviewed for possible revision at least once quarterly.

**Tab A**

EVACUATION OF TAYLORS ISLAND IN THE EVENT OF A NUCLEAR  
INCIDENT  
AT THE CALVERT CLIFFS NUCLEAR POWER PLANT

CONTACT LIST

(List Maintained in the EOC)

**Tab B**

TRANSPORTATION CONTACTS

(List maintained in the EOC)

A list of all school bus contractors, along with phone numbers, is maintained at the Board of Education office.

A list of students who are handicapped and/or have special needs is also maintained at the Board Office.

**Tab C****FOOD SUPPLY AND DISTRIBUTION****I. Initial Phase**

Assessment of available food supply.

**II. Recovery Phase**

- A. Estimate numbers of persons to be fed and for what length of time.
- B. Begin actual preparation and distribution of meals to those in the mass care centers.
  - 1. Establish and post meal times.
  - 2. Establish and post meal areas.

**III. Personnel**

- A. Food Service Manager
  - 1. Coordinate food supply.
  - 2. Coordinate food preparation, distribution and cleanup.
- B. Cook
  - 1. Plan meals.
  - 2. Assist and supervise in meal preparations.
- C. Distribution and Cleanup
  - 1. Food distribution to feeding areas.
  - 2. Cleanup of feeding areas.

**Tab C-1**

The Cafeteria Manager at Cambridge South Dorchester High School has compiled two days menus utilizing USDA donated foods. Based on current inventory and what is available in the Board warehouse, quantities are available to feed between 300 – 400 persons.

First Day

## Breakfast

Sausage Patty  
Applesauce  
Buttered Toast

## Lunch

Turkey Soup  
Peanut Butter and crackers  
Applesauce

## Dinner

Shepherds Pie  
Mashed Potatoes w/Gravy  
Mixed Vegetables  
Biscuit

Second Day

## Breakfast

Fruit Juice  
Toasted Cheese Sandwich

## Lunch

Peanut Butter w/Jelly Sandwich  
Vegetarian Beans  
Pear Cup

## Dinner

Meatloaf  
French Fires w/Catsup  
Green Beans  
Bread w/Butter

DORCHESTER COUNTY**COUNTY PUBLIC WORKS DEPARTMENT**

## STANDARD OPERATING PROCEDURES

**1.0 RESPONSIBILITIES**

The responsibilities of the Director Department of Public Works are outlined in the Dorchester REP (Annex P to the County EOP). The Department of Public Works is a support agency for Evacuation, Access Control, Mass Care, Return, and Public Information.

**2.0 COMMAND AND COORDINATION**

2.1 The Director of the Department of Public Works, or his alternate, the County Engineer, is in charge of the emergency response operations. The Director Department of Public Works is responsible for ensuring that the agency is properly staffed and sufficient resources are available for 24-hour operations for a protracted period.

2.2 Normal procedures will be utilized for obtaining necessary resources. When these sources become exhausted, request for additional resources will be made to the EMA Director through the EOC representative.

2.3 A record of activities shall be kept during the emergency. A record of man-hours expended and other costs shall be maintained and submitted to the EMA Director at the end of the emergency. Receipts will be provided.

**3.0 IMPLEMENTATION**

This section identifies the pre-planned response to each emergency class declared by CCNPP. Refer to Dorchester REP for a description of each emergency class.

**3.1 Unusual Event**

No response required.

**3.2 Alert**

3.2.1 The County EMA Director will notify EOC representative (Highway Manager or alternate) to standby.

3.2.2 The Director Department of Public, or alternate, will notify all other personnel of the emergency.

3.2.3 The Director Department of Public, or alternate, will notify the Resident Maintenance Engineers Office, State Highway Administration, Cambridge, Maryland (Phone: 410-228-4977) of the emergency.

### 3.3 **Site Area Emergency**

- 3.3.1 The County EMA Director will notify EOC representative to report to County EOC.
- 3.3.2 The EOC representative will notify all other personnel to standby for possible assignment.
- 3.3.3 The Director Department of Public, or alternate, will notify the Resident Maintenance Engineers Office, State Highway Administration, Cambridge, Maryland (Phone: 410-228-4977) of the emergency.
- 3.3.4 The EOC representative will notify Animal Control (Humane Society of Dorchester County: 410-228-3090).

### 3.4 **General Emergency** - Same as for Site Area Emergency

## 4.0 **NOTIFICATION AND COMMUNICATION**

### 4.1 **Initial Notification**

Upon notification of an emergency,

- 4.1.1 The Director Department of Public may, if the caller is unknown to him, verify the authenticity and content of the messages by return call to the EMA Director (Phone: 410-228-1818).
- 4.1.2 At the direction of the Director Department of Public or alternate, initiate a call up of all off-duty personnel (See Tab B).
- 4.1.3 Personnel will be provided from:
- (1) The other divisions of the County Highway Department.
    - Airport
    - Buildings and grounds
    - Landfill
    - Mosquito Control

### 4.2 **Communications**

- 4.2.1 Communications with agency personnel will be by routine channels.
- 4.2.2 Communications with the EOC will be by commercial telephone and radio. (See Tab C for County radio frequencies and Tab D for telephone numbers.)

## 5.0 **PROTECTIVE ACTIONS**

**CAUTION:** BEFORE DISPATCHING ANY PERSONNEL, CHECK WITH THE RDO ON THE STATUS OF THE EMERGENCY. IF RADIATION HAS BEEN RELEASED, MAKE SURE ALL EMERGENCY WORKERS ARE BRIEFED ON EXPECTED DOSE RATES AND STAY TIMES. MAKE SURE EACH EMERGENCY WORKER IS ISSUED A DIRECT-READING DOSIMETER, A TLD, A RADIATION EXPOSURE RECORD, AND THAT EACH TEAM HAS RADIO COMMUNICATIONS TO THE COUNTY COMMUNICATIONS CENTER.

### 5.1 **Access Control**

5.1.1 The Highway Department will support the Sheriff's Office in Access Control operations by maintaining road accessibility (snow removal, disabled vehicle removal, etc.) and support in the establishment of road barricades and maintenance of control points by providing access control equipment and personnel. (See Tab E, Access Control Point Locations.)

5.1.2 Additional equipment and personnel, and/or informational sign boards, may be requested from the State Highway Administration Resident Engineer at the local maintenance garage, 2954 Handley Road, Cambridge, Maryland. (Phone: 410-228-4977)

### 5.2 **Evacuation**

The Highway Department will support the EMA Director in Evacuation operations during inclement weather by providing personnel and equipment to remove snow from roads and as necessary, assist in the notification of evacuation procedures, or use department vehicles to evacuate inhabitants.

## 6.0 **PARALLEL ACTIONS**

### 6.1 **Mass Care**

The Highway Department will support the Department of Social Services in Mass Care operations by providing personnel and vehicles to pick up and transport foods and supplies to Cambridge-South Dorchester High School Mass Care Center.

### 6.2 **Return**

The Highway Department will support the EMA Director in Return by providing transportation and assisting in traffic control as required.

**7.0 PUBLIC INFORMATION**

All media requests for information shall be forwarded to the County Public Information Officer (PIO). Any information requested by the County PIO will be provided.

**8.0 TRAINING**

The County Highway Manager will assure that his personnel will avail themselves of required training as arranged for by the EMA Director.

**9.0 EXERCISES AND DRILLS**

The County Highway Manager will cooperate with the EMA Director by participating in scheduled drills and exercises.

**10.0 SOP MAINTENANCE**

The County Highway Manager will review for possible revision this SOP at a minimum of once annually. Telephone lists will be reviewed for possible revision at least once quarterly.

**TAB A**

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**Tab B**

**DORCHESTER COUNTY HIGHWAY ALERT PLAN**

In case of after-hour or weekend need of assistance, by Sheriff, Emergency Management or other public agencies in Dorchester County, the following persons should be contacted.

Their names are listed in order of call assistance, if necessary. More than one call may be required until contact is made.

List maintained in the EOC.

All of the above have keys to equipment and tools, and are authorized to act, in the absence of the Director.

It will be helpful to all, if accurate information can be obtained at time of the call. This will prevent committing unnecessary equipment and manpower, and cost.

**TAB C****RADIO FREQUENCIES AND BUSINESS TELEPHONE NUMBERS**

**NOTE:** EOC Communications Center has radio capabilities with all the following agencies:

<b><u>AGENCY</u></b>	<b><u>FREQUENCY</u></b>	<b><u>BUSINESS PHONE</u></b>
Maryland Emergency Management Agency	143.040 Mhz	410/517-3600 1-877-636-2872
Calvert Cliffs Nuclear Power Plant	153.44000 800 Mhz	410/495-5201/5202
<b>County Central Warning</b>	800 Trunk System	410/228-2222
<b>Sheriff's Office</b>	800 Trunk System	410/228-4141
<b>County Highway</b>	800 Trunk System	410-228-2920
<b>County Health Department</b>	800 Trunk System	410/228-3223
<b>Board of Education</b>	158.754 Mhz	410/228-4747
<b>County Planning &amp; Zoning</b>	800 Trunk System	410/228-3234

**Note:** All systems in **bold** type are on the new County 800 Mhz Rad

**TAB D**  
**TELEPHONE CALL LIST**

List maintained in the EOC

**TAB E****LOCATION OF ACCESS CONTROL POINTS, MASS CARE/RECEPTION CENTERS**MASS CARE CENTER

Cambridge-South Dorchester High School  
2475 Cambridge Beltway  
Cambridge, Md. 21613

CSDHS is located on Cambridge Beltway (Rt. 16) between Maple Dam Road and Egypt Road, Cambridge, Maryland.

ACCESS CONTROL POINTS

A-1 - Rt. 16 and Slaughter Creek Bridge (only road-entry onto Taylors Island, Maryland).

A-2 - Rt. 16 and Smithville Road intersection.

A-3 - Rt. 16 and Rt. 335 intersection at Church Creek, Maryland. (Near Church Creek Post Office.)

A-4 - Rt. 335 and Smithville Road (Near House Point and south of Hip Roof Road and Smithville Road intersection.)

A-5 - Rt. 16 and Maple Dam Road intersection. (Near entrance to Cambridge-South Dorchester High School.)

A-6 - Rt. 335 and Rt. 336 intersection at Gootee's Marina, Golden Hill.

RECEPTION CENTER (for personnel decontamination)

Maple Elementary School  
5225 Egypt Road  
Cambridge, MD. 21613

VEHICLE DECONTAMINATION LOCATION

Egypt Road Park (Across from Maple Elementary School)  
Egypt Road, Cambridge, MD.

**Attachment #11****DORCHESTER COUNTY****DEPARTMENT OF SOCIAL SERVICES****STANDARD OPERATING PROCEDURES****1.0 RESPONSIBILITIES**

The responsibilities of the Department of Social Services are outlined in the Dorchester REP. The Department of Social Services is the key agency for Mass Care and is supported in this action by the American Red Cross, the County Health Department, the Board of Education and the County Highway Department. (NOTE: Annex Q, State of Maryland REP for Nuclear Power Plants, designates the Red Cross as key agency for Mass Care for the State; however, in 1982, the Dorchester County Council stated that this function, in Dorchester County, would remain under the Department of Social Services until American Red Cross Teams could arrive in the County and assume this responsibility.) The Department of Social Services will support the Public Information Program by providing information on Mass Care operations.

**2.0 COMMAND AND COORDINATION**

2.1 The Director, Department of Social Services, or alternate, the Supervisor of Public Assistance, is in charge of emergency response operations. The Director is responsible for ensuring that the department's emergency operations is properly staffed and sufficient resources are available for 24-hour operations for a protracted period.

2.2 Normal procedures will be utilized for obtaining necessary resources. When these sources become exhausted, requests for additional resources will be made to the EMA Director through the EOC representative.

2.3 A record of activities shall be kept during the duration of the emergency. A record of man-hours expended and other costs shall be maintained and submitted to the EMA Director at the end of the emergency. Receipts will be provided.

**3.0 IMPLEMENTATION**

This section identifies the pre-planned response to each emergency class declared by CCNPP. Refer to Dorchester REP for a description of each emergency class.

**3.1 Unusual Event**

No response required.

**3.2 Alert**

3.2.1 The County EMA Director notifies the Director, or alternate, of the emergency and to standby.

3.2.2 The Director, or alternate, will inform all other necessary personnel.

3.3 **Site Area Emergency**

3.3.1 Upon notification by the Dorchester County EMA Director or his/her designee, of a Site Area Emergency at CCNPP, the Director or alternate will report to the County Emergency Operations Center (EOC).

3.3.2 Notify all other personnel to report to Department of Social Services office for briefing (Tab C).

3.4 **General Emergency** - Same actions as for Site Area Emergency.

4.0 **NOTIFICATION AND COMMUNICATIONS**

4.1 **Initial Notification**

Upon notification of an emergency,

4.1.1 Verify the authenticity and content of the message, if caller is unknown to Director, by return call to the EM office (Phone: 410- 228-1818).

4.1.2 At the direction of the Director or Supervisor, initiate a call up of all assigned off-duty personnel (Tab B).

4.2 **Communications**

4.2.1 Communications with agency personnel will be by routine channels (commercial telephone).

4.2.2 Communications with the County EOC may be by:

1. Telephone
2. Police vehicle mobile radio
3. CB radio; or
4. Messenger

5.0 **PARALLEL ACTIONS**

5.1 **Mass Care**

If the emergency situation at CCNPP escalates and the County Council; or the Secretary, Department of the Environment; or the Governor; direct evacuation, the Director, Department of Social Services will operate the County Mass Care Center as directed by the EMA Director.

- 5.1.1 In the event evacuation is directed or imminent, the Social Service representative in the EOC will request the Board of Education representative in the EOC to have the Cambridge-South Dorchester High School opened for use as a mass care center. At this time, the Social Service representative will also notify the in-charge mass care personnel, who, in turn will contact their staff personnel and volunteers and have them report to the assigned mass care center.. The Social Services representative will keep the EMA Director informed of shelter status. The EMA Director will advise the Emergency Management Directors of Talbot and Wicomico Counties if any additional help is needed.
- 5.1.2 The Social Services representative in the EOC, in cooperation with his/her staff, ARC, County Health personnel and Board of Education food service personnel will determine the type and amount of equipment and supplies needed. (e.g., cots, blankets, medical and sanitation supplies, food.) Requests for resources needed beyond County capabilities will be referred to the EMA Director for direction.
- 5.1.3 Reception areas and the Mass Care Center are as listed and depicted in Tabs E and F.
- 5.1.4 Social Services personnel will perform functions as outlined in Tabs G through K. The designated Mass Care Director will contact his/her staff, who will then report to the Mass Care Center.
- 5.1.5 The registration supervisors, along with the Red Cross representative, will:
  - 5.1.5.1 Register all evacuees using ARC-Evacuation Center Registration Form (Tab D).
  - 5.1.5.2 Assign the evacuee to the Mass Care Center.
  - 5.1.5.3 The staff will maintain records of all evacuees; one (1) copy will accompany the person to the Mass Care Center, one (1) copy will be maintained at the Reception Area, one (1) copy goes to the EOC, and one (1) copy to ARC. The copy accompanying the person to the Mass Care Center will be given to the person in charge of the Center who will maintain it for identification and location of evacuees.
- 5.1.6 The Department of Public Works will provide transportation for food supplies.

**6.0 PUBLIC INFORMATION**

6.1 Social Services will provide the following information to the PIO:

- a) Location of reception areas
- b) Location of mass care center
- c) Telephone numbers of mass care center
- d) Procedure for locating evacuees
- e) Statistical data as to the number of mass care centers open and number of evacuees.

6.2 All media requests for information must be forwarded to the County PIO. Any information requested by the County PIO will be provided.

**7.0 EXERCISES AND DRILLS**

Social Services will participate in exercises and drills at least annually.

**8.0 TRAINING**

Social Services personnel will attend training programs provided by State and Local governments to prepare them for dealing with emergencies at CCNPP.

**9.0 SOP MAINTENANCE**

The Director, Social Services, has overall responsibility to review and update this SOP at least annually. Telephone lists will be reviewed and updated quarterly.

**TAB A**

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**TAB B**

Dorchester County Department of Social Services

List Maintained in the EOC

**TAB C****MASS CARE CENTER/SHELTER OPERATIONS****REGISTRATION PROCEDURES**

- I. Upon notification that an emergency Mass Care Center/Shelter must be set up, the Operations Officer will proceed to the designated location and confer with the Mass Care Center/Shelter Director.
- II. If the emergency involves the possibility of radioactive contamination, a site will be selected in the vicinity of the mass care center/shelter where evacuees can be monitored for contamination. If contaminated, the evacuee will be directed to an area where he can undergo decontamination. When the evacuee is determined to be clean, the back of his or her hand will be marked for easy identification. The mark may be an X made with a black felt-tip marker or by designated hand stamp. The evacuee will then be directed to the mass care center/shelter entrance.
- III. The Mass Care Center/Shelter Director and the Operations Officer will select a door through which all evacuees will enter the mass care center/shelter to be registered. All other doors will be secured. The Mass Care Center/Shelter Director will see to it that all staff manning the mass care center/shelter and those stations involving monitoring and decontamination be notified as to which door evacuees are to enter the mass care center/shelter.
- IV. The Mass Care Center/Shelter Director will insure that communications exist between the registration desk and any outside monitoring stations.
- V. As evacuees enter the mass care center/shelter, they will be registered by mass care center/shelter staff at tables set up at the entrance of the mass care center/shelter. Registration forms will be completed on each family entering the mass care center/shelter. If members of a family are injured, they will be referred to the Health Nurse on duty for screening. If a radiological emergency exists, individuals who have not been certified as 'clean' will be requested to return to the monitoring stations to be certified. Under no circumstances will they be allowed to enter the mass care center/shelter until certification has been completed. A police officer should be stationed at the registration desk to insure security of the mass care center/shelter. Bus drivers and other individual providing transportation from the evacuated area must also be certified as being 'clean' before they are allowed to enter the mass care center/shelter.
- VI. After registration is completed, the family will be assigned to an area within the mass care center/shelter. They will also be informed as to the location of the dining area and when the next meal will be served.
- VII. No evacuee will be allowed to leave the mass care center/shelter without first passing by the registration desk. Mass Care Center/Shelter staff working at the registration desk will enter on the registration form when the evacuee left the shelter. It will also be noted on the form that the evacuee was counseled as to whether or not it was safe to return home.

**TAB D**

**AMERICAN RED CROSS  
MASS CARE REGISTRATION FORM**

SPEEDJET® MOORE BUSINESS FORMS, INC., E

**American Red Cross**

Family Last Name			
Names	Age	Medical Problem • Killed • Injured • Hospitalized	Referred to Nurse
Man			
Woman (Include Maiden Name)			
Children in Home			
Family Member not in Shelter (Location if Known)			

SHELTER MASTER FILE

**DISASTER SHELTER REGISTRATION**

Shelter Location	
Shelter Telephone No.	Date of Arrival
Predisaster Address and Telephone No.	

I  do,  do not, authorize release of the above information concerning my whereabouts or general condition.

Signature \_\_\_\_\_

Date Left Shelter \_\_\_\_\_  
Time Left Shelter \_\_\_\_\_

Postdisaster Address and Telephone Number
---

**AMERICAN RED CROSS FORM 5972 (5-79)**

**TAB E****DORCHESTER COUNTY RECEPTION AREA**

<b><u>County/Facility</u></b>	<b>Distance from CCNPP (<u>Miles</u>)</b>	<b><u>Directions</u></b>
<b><u>Dorchester County</u></b>		
Maple Elementary School 5225 Egypt Road Cambridge, Maryland	20	North on Rt. 16 to Egypt Road
Upon the request of Dorchester County evacuees may be directed to report to the following Reception Areas outside of Dorchester County:		
<b><u>Talbot County</u></b>		
Easton High School Rt. 50 Easton, Maryland	30	North on Rt. 16 to Rt.50; North on Rt. 50
<b><u>Wicomico County</u></b>		
Wicomico Civic Center Glen Avenue & Civic Avenue Salisbury, Maryland	45	North on Rt. 16 to Rt. 50; South on Rt. 50 to Salisbury

**TAB E-1**

**LOCATION OF MASS CARE CENTER AND ACCESS CONTROL POINTS**

**Mass Care Center:**

Cambridge-South Dorchester High School  
2475 Cambridge Beltway  
Cambridge, Maryland

**Access Control Points:**

- A-1 Rt. 16 and Slaughter Creek Bridge (only road-entry onto Taylors Island, MD.)
- A-2 Rt. 16 and Smithville Road Intersection
- A-3 Rt. 16 and Rt. 335 intersection at Church Creek, MD. (Near Church Creek Post Office)
- A-4 Rt. 335 and Smithville Road (Near House Point and south of Hip Roof Road and Smithville Road intersection).
- A-5 Rt. 16 and Maple Dam Road intersection (Near entrance to Cambridge-South Dorchester High School).
- A-6 Rt. 335 and Rt. 336 intersection at Gootee's Marina, Golden Hill.

### TAB E-2 County Map

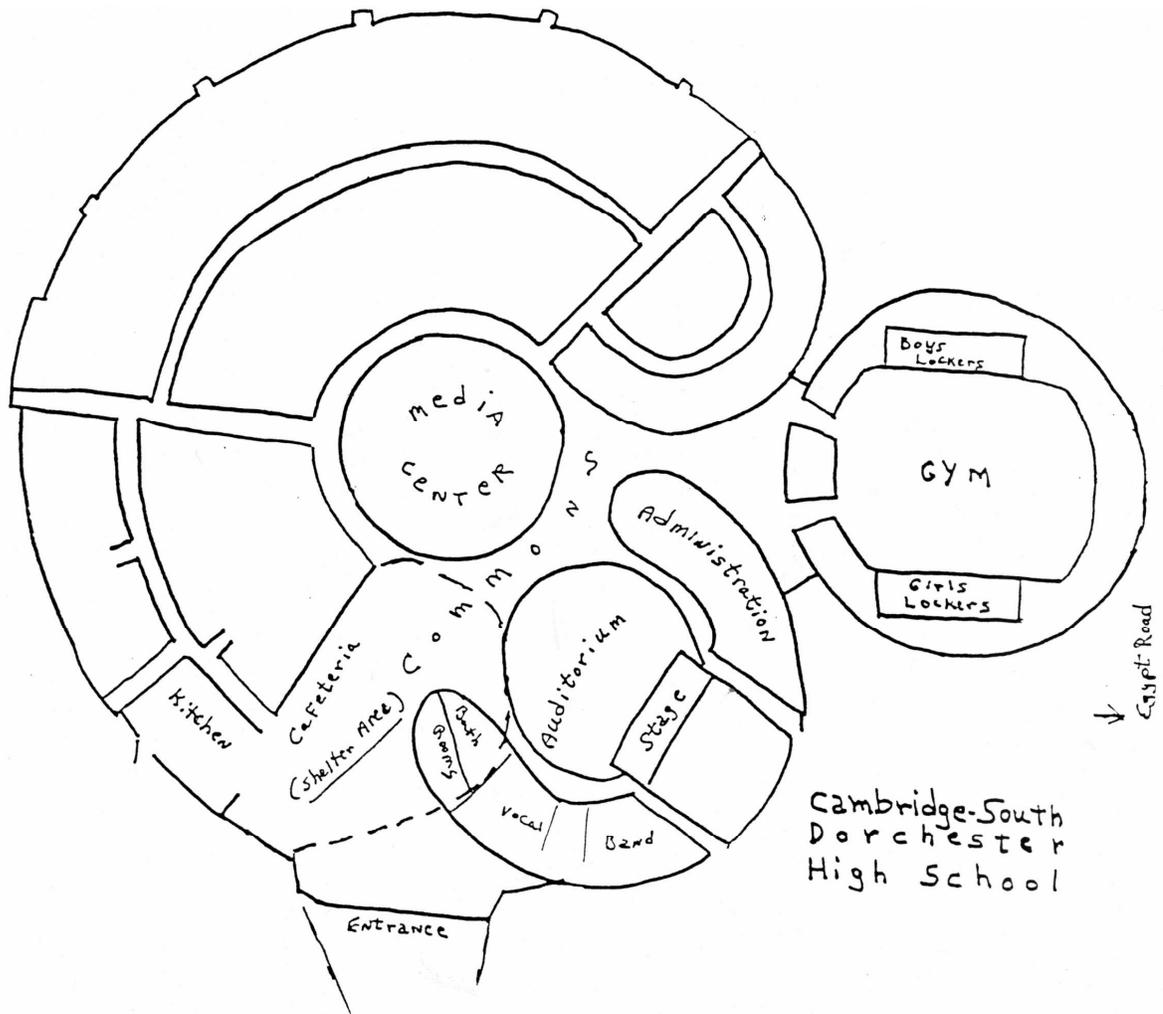


#### RECEPTION AREA/MASS CARE CENTER

1. Reception Area – Maple
2. Dorchester High School

Map of Reception Area and Mass Care Center for Dorchester County Evacuees.

### TAB F Cambridge South Dorchester High School



**TAB G****JOB DESCRIPTIONS**

**Mass Care (Shelter) Director** - Overall administrative responsibility for the operation of the mass care/shelter program. Coordination between mass care centers/shelters. Coordination with Red Cross and other units operating under the disaster program. Press relations (see Attachment #6 of this SOP). Reporting to the Director of Social Services.

**Operations Officer** - Immediate supervision of the running of the mass care center/shelter, including registration, clerical staff, runners, and mass care/shelter workers. Responsibility to see that citizens are properly housed and cared for.

**Food Service Officer** - Overall supervision of the procurement of food supplies, preparation of meals and distribution in accordance with the provisions of Annex D, IV.B. of the County Emergency Operations Plan.

Board of Education food service personnel, and other assigned personnel, will prepare meals and assist with distribution.

**Alternate** - Assume the duties of the Operations Officer, if necessary. Becomes Operations Officer if more than one mass care center/shelter is needed.

**Registration Workers** - Screen citizens as to emotional distress, need for first-aid, or missing relatives. Completion of registration form. Assignment to shelter area.

**Clerical** - Filing of registration forms in alphabetical order. Answering telephones if in operation. Giving out information on names of those registered at the shelter(s).

**Runners** - Outreach. Carrying messages to other mass care centers/shelters or units if there is no other form of communication.

**Mass Care/Shelter Workers** - Pick up people at registration desk and take them to their assigned areas. Aid families in being settled. Workers who are social workers will be assigned by Operations Officer to counsel families who have a lot of members or are in distress.

Flexibility will be maintained in job assignments allowing transfer of personnel to meet changing conditions at the mass care center/shelter. Transfer of personnel will be the responsibility of the Operations Officer.

**TAB H**  
**Dorchester County**  
**Social Service Plan (Excerpts)**

- H. Director, Dorchester County Department of Social Service Maryland Department of Human Resources.
1. Establish liaison with the local representatives of the Red Cross, Salvation Army, and other relief organizations to provide assistance to victims.
  2. In coordination with the Red Cross, operate shelters of mass care and provide emergency registration, inquiry and shelter management assistance.
  3. Provide for the procurement of food and other supplies for victims in coordination with the Red Cross.
- C. The Red Cross and other disaster assistance organizations will coordinate the procurement of mass care needs as beds, bedding clothing, food and eating utensils.

Red Cross or other disaster relief agencies operating mass care or emergency shelter facilities will compile lists of missing persons reported by concerned evacuees in their facilities and provide the lists to the EOC at the earliest possible time.

The Red Cross, in keeping with its charter obligation, will provide mass care, shelter and individual emergency assistance to evacuees. Other private disaster relief agencies will assist in such operations in accordance with prior agreements or voluntary offers accepted by the County or State governments or agencies.

The Director of Disaster Services, ARC of DelMarva Peninsula, Red Cross, is the liaison to the County EOC and representative for the development and implementation of disaster preparedness and relief plans. He will exercise his responsibilities in accordance with established Red Cross procedure.

**TAB H**  
**Dorchester County**  
**Social Service Plan (Excerpts)**

Shelter

The Red Cross intends to use schools as temporary shelters for disaster victims. The ARC of DelMarva Peninsula Chairman will, in coordination with the Director, (LCO), select, man and equip the shelters. The Red Cross Chairman may request the LCO to supply cots, blankets, and other necessary equipment in small quantities from State Civil Defense stockpiles. LDSS may be requested to recruit personnel to perform tasks necessary to the functioning of the shelter and to support the Red Cross efforts with any other aid requested, including provision of trained social workers and volunteers. The Red Cross will provide meals for both victims and workers. In the disaster area, without cost to any governmental body. Food for meals may be provided by local purchase, procurement from State or Federal Institutions, or from the U. S. Department of Agriculture's surplus supplies. The Director, LDSS, may be requested to recruit volunteers to aid in cooking and food distribution and to provide any additional aid requested.

It is a general Red Cross policy that the acquisition of food, medical supplies (below) and other commodities will usually be by purchase from local stores instead of wholesale outlets in order to bolster the overall economy of the affected area.

The Red Cross will provide emergency medical first aid service by trained personnel at all shelters which it maintains.

The Red Cross will provide necessary clothing and personal comfort items to disaster victims at shelter. Emergency clothing may also be provided through corporation with the Salvation Army, and Federal, State and County agencies. An additional function of the Red Cross is to register those housed in temporary shelters so that relatives, representatives of governmental agencies and others

**TAB H**  
**Dorchester County**  
**Social Service Plan (Excerpts)**

concerned my be apprised of their safety. The Director, LDSS, may be requested to provide personnel, particularly counselors and others skilled in working with large numbers of people to assist in registration procedures.

In coordination with the Red Cross, local housing authority, real estate boards and other appropriate agencies, develop and maintain cognizance of resources usable as temporary housing. In periods of emergency or disaster, and during the period of recovery, the mission of the State Department of Human Resources, (DHR), and LDSS and the American National Red Cross, the Salvation Army, and other voluntary assistance agencies is to assure that individuals affected are provided immediate and continual assistance to minimize hardship and suffering. The objectives of Individual Assistance are to promulgate procedures and utilize capabilities relating to various programs of shelter, feeding, medical assistance, counseling (employment, psychological, welfare, legal, etc.) and financial assistance.

**TAB I**  
**FOOD SUPPLY AND DISTRIBUTION**

I. Initial Phase

Assessment of available food supply.

II. Recovery Phase

A. Estimate the numbers of persons to be fed and for what length of time.

B. Begin actual preparation and distribution of meals to those in the mass care centers/shelters.

1. Establish and post regular meal times.

2. Establish and post meal areas.

III. Personnel

A. Food Service Officer

In cooperation with the Board of Education Food Service Manager and Red Cross, coordinate food supply, preparation, distribution and cleanup.

B. Cooks

Food services personnel from the schools will be available to plan meals and assist in the preparation of the meals.

C. Distribution and Cleanup

1. Food distribution to feeding areas.

2. Cleanup of feeding areas.

**TAB J**

The Cafeteria Manager at Cambridge South Dorchester High School has compiled two days menus utilizing USDA donated foods. Based on current inventory and what is available in the Board warehouse, quantities are available to feed between 300 – 400 persons.

**Menus available at the ARC**

**TAB K**

**SPECIAL INSTRUCTIONS**

1. No firearms allowed in mass care centers.
2. No alcoholic beverages allowed in mass care centers.
3. Smoking is not allowed in any County building.
4. Pets will not be allowed in mass care centers.

**Attachment #12****DORCHESTER COUNTY****CITY OF CAMBRIDGE POLICE DEPARTMENT (CPD)****STANDARD OPERATING PROCEDURES****1.0 RESPONSIBILITIES**

The responsibilities of the Cambridge Police Department are outlined in the Dorchester REP (Annex P to the County EPOP). The Cambridge Police Department is a support agency for Take Shelter, Evacuation, Access Control, Law Enforcement and Crime Prevention, and Public Information.

**2.0 COMMAND AND COORDINATION**

2.1 The Chief of Police, or alternate, is in charge of the emergency response operations. The Chief of Police, or alternate, is responsible for ensuring that the agency is properly staffed and sufficient resources available for 24-hour operations for a protracted period.

2.2 Normal procedures will be utilized for obtaining necessary resources. When these resources become exhausted, request for additional resources will be made to the EM Director through the EOC representative.

2.3 A record of activities shall be kept during the duration of the emergency. A record of man-hours expended and other costs shall be maintained and submitted to the EM Director at the end of the emergency. Receipts will be provided.

**3.0 IMPLEMENTATION**

This section identifies the pre-planned response to each emergency class declared by CCNPP. Refer to the Dorchester REP for a description of each emergency class.

**3.1 Unusual Event**

No response required.

**3.2 Alert**

3.2.1 The Cambridge Police Department Dispatcher will notify EOC representative (Chief or Major) to standby.

3.2.2 At the direction of the Chief, or alternate, the dispatcher will notify all other personnel of the emergency.

**3.3 Site Area Emergency**

3.3.1 The Chief, or alternate, will report to the County EOC.

3.3.2 The Dispatcher will, at the direction of the Chief or alternate, notify all other personnel to report to Cambridge Police Department for briefing and possible assignment.

3.4. **General Emergency** - Same as for Site Area Emergency.

#### 4.0 **NOTIFICATION AND COMMUNICATION**

##### 4.1 **Initial Notification**

4.1.1 The Cambridge Police Department is the back-up agency for notification and communication.

4.1.2 Upon notification of an emergency, the Dispatcher will complete the Initial Accident Report Form.

4.1.3 The Dispatcher will verify the authenticity and content of the message by return call to source of notification, if necessary.

4.1.4 The Dispatcher will notify the County EMA or Emergency Services Director.

4.1.5 At the direction of the Chief of Police, or alternate, the Major, dispatcher will initiate a call up of all off-duty department personnel. .

##### 4.2 **Communications**

4.2.1 Communications with agency personnel will be by routine channels.

4.2.2 Communications with the EOC (County and City) will be by commercial telephone and radio (See Tab C for listing of County radio frequencies and telephone numbers.

#### 5.0 **PROTECTIVE ACTIONS**

**CAUTION:** BEFORE DISPATCHING ANY PERSONNEL, CHECK WITH COUNTY RDO ON THE STATUS OF THE EMERGENCY. IF RADIATION HAS BEEN RELEASED, MAKE SURE ALL EMERGENCY WORKERS ARE BRIEFED ON EXPECTED DOSE RATES AND STAY TIMES. MAKE SURE EACH EMERGENCY WORKER IS ISSUED A DIRECT-READING DOSIMETER, A TLD, A RADIATION EXPOSURE RECORD AND THAT EACH TEAM HAS RADIO COMMUNICATIONS TO THE COUNTY COMMUNICATIONS CENTER.

##### 5.1 **Take Shelter**

5.1.1 The Cambridge Police Department is a support agency for Take Shelter.

5.2 **Thyroid Protection**

5.2.1 The Cambridge Police Department is a support agency for Thyroid Protection actions for the general public.

5.3 **Evacuation**

5.3.1 Cambridge Police Department will support County EMA in Evacuation operations.

5.3.2 At the direction of the EMA Director, and in conjunction with TIVFC, assist in notification of the public by utilizing the alert systems, and providing traffic control as appropriate. (See Tabs D and E).

5.4 **Access Control**

5.4.1 Cambridge Police Department will support the Dorchester County Sheriff's Office in Access Control.

5.4.2 At the direction of the Sheriff's Office, CPD will provide personnel and vehicles to assist in manning Access Control Points (See Tab E).

6.0 **PARALLEL ACTIONS**

6.1 Law Enforcement and Crime Prevention

6.1.1 Cambridge Police Department, at the direction of the Sheriff's Office, will provide additional personnel and equipment to maintain civil order.

6.1.2 Cambridge Police Department will support the Dorchester County Sheriff's Office for Law Enforcement and Crime Prevention as required.

7.0 **PUBLIC INFORMATION**

All media requests for information must be forwarded to the County PIO. Any assistance requested by the County PIO will be provided.

8.0 **EXERCISES AND DRILLS**

Cambridge Police Department will participate in exercises and drills at least annually.

9.0 **TRAINING**

Cambridge Police Chief will assure that his personnel will avail themselves of required training as arranged for by the EM Director.

10.0 **SOP MAINTENANCE**

Cambridge Police Chief will review for possible revision this SOP at a minimum of once annually. Telephone lists will be reviewed for possible revision at least quarterly.

**TAB A**

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**TAB B**

**CITY OF CAMBRIDGE POLICE DEPARTMENT**

List maintained in the EOC

**Note:** A call list of agency personnel is maintained in the City EOC/County Central Warning. Call up of personnel will be initiated by instruction of one of the above key personnel.

**TAB C****RADIO FREQUENCIES AND BUSINESS TELEPHONE NUMBERS**

**NOTE:** EOC Communications Center has radio capabilities with all the following agencies:

<b><u>AGENCY</u></b>	<b><u>FREQUENCY</u></b>	<b><u>BUSINESS PHONE</u></b>
Maryland Emergency Management Agency	143.040 Mhz	410/517-3600 1-877-636-2872
Calvert Cliffs Nuclear Power Plant	153.44000 800 Mhz	410/495-5201/5202
<b>County Central Warning</b>	800 Trunk System	410/228-2222
<b>Sheriff's Office</b>	800 Trunk System	410/228-4141
<b>County Highway</b>	800 Trunk System	410-228-2920
<b>County Health Department</b>	800 Trunk System	410/228-3223
<b>Board of Education</b>	158.754 Mhz	410/228-4747
<b>County Planning &amp; Zoning</b>	800 Trunk System	410/228-3234

**Note:** All systems in **bold** type are on the new County 800 Mhz Rad

**TAB D****ASSIGNMENTS FOR ACCESS CONTROL/LAW ENFORCEMENT AND  
CRIME PREVENTION**

As a result of the pending emergency, you have been assigned a certain Access Control Point. Access Control Points are described in Tab E-2.

When Take Shelter is in effect, civilian personnel and emergency workers will be allowed to enter the controlled area after being notified of the precautions to be taken. A prepared message is attached (See Tab E-1).

When Evacuation is in effect, only emergency workers will be allowed into the controlled areas. They must be equipped with self-protection dosimetry and two-way radio communication capability.

**TAB E-1****NOTIFICATION: ACCESS CONTROL TO AREA**

INSTRUCTIONS: MESSAGE TO BE USED BY OFFICIALS AT ACCESS CONTROL POINTS WHEN NOTIFYING THE PUBLIC THAT A "TAKE SHELTER" ORDER HAS BEEN GIVEN FOR THE CONTROLLED AREA.

"AN ACCIDENT OCCURRED AT THE CALVERT CLIFFS NUCLEAR POWER PLANT. ACCESS TO \_\_\_\_\_ IS LIMITED TO OFFICIAL  
(Describe Area)

PERSONNEL AND RESIDENTS WHO MUST RETURN TO THEIR HOMES. ALL RESIDENTS OF THIS AREA HAVE TAKEN SHELTER IN THEIR HOMES. NON-RESIDENTS ARE ADVISED TO USE AN ALTERNATE ROUTE." (NOTE: EXPLAIN ALTERNATE ROUTES AVAILABLE.)

IF ACCESS IS PERMITTED, THE DRIVER WILL BE TOLD: "WHEN DRIVING IN THE AFFECTED AREA, YOU ARE REQUESTED TO KEEP YOUR CAR WINDOWS AND VENT CLOSED. ONCE ARRIVING AT HOME, REMAIN INSIDE WITH ALL DOORS AND WINDOWS CLOSED AND VENTILATION TURNED OFF UNTIL OTHERWISE NOTIFIED. TIE A CLOTH OR TOWEL ON YOUR FRONT DOOR SO THAT EMERGENCY MANAGEMENT OFFICIALS WILL KNOW THAT YOU HAVE BEEN NOTIFIED. STAY TUNED TO LOCAL RADIO AND TELEVISION STATIONS FOR MORE INFORMATION."

**TAB E-2**

**LOCATION OF ACCESS CONTROL POINTS AND MASS CARE CENTER**

MASS CARE CENTER

Cambridge-South Dorchester High School  
2475 Cambridge Beltway  
Cambridge, Md. 21613

CSDHS is located on Cambridge Beltway (Rt. 16) between Maple Dam Road and Egypt Road.

ACCESS CONTROL POINTS

A-1 - Rt. 16 and Slaughter Creek Bridge (only road-entry onto Taylors Island, Maryland).

A-2 - Rt. 16 and Smithville Road intersection.

A-3 - Rt. 16 and Rt. 335 intersection at Church Creek, Maryland. (Near Church Creek Post Office).

A-4 - Rt. 335 and Smithville Road (Near House Point and south of Hip Roof Road and Smithville Road intersection).

A-5 - Rt. 16 and Maple Dam Road intersection (Near entrance to Cambridge-South Dorchester High School).

A-6 - Rt. 335 and Rt. 336 intersection at Gootee's Marina, Golden Hill.

**Attachment #13****DORCHESTER COUNTY****AMERICAN RED CROSS****STANDARD OPERATING PROCEDURES****1.0 RESPONSIBILITIES**

The responsibilities of the American Red Cross are outlined in the Dorchester REP. The American Red Cross is a support agency to the County Department of Social Services for Mass Care and Public Information. (See NOTE:, Paragraph 1.0, Attachment #11, Department of Social Services.)

**2.0 COMMAND AND COORDINATION**

- 2.1 The Chapter Chairman or alternate, the Assistant Chapter Chairman, is in charge of the emergency response operations. The Chapter Disaster Chairman is responsible for ensuring that the agency is properly staffed and sufficient resources are available for 24-hour operations for a protracted period.
- 2.2 Normal procedures will be utilized for obtaining necessary resources. When these resources become exhausted, request for additional resources will be made to the EM Director through the EOC representative.
- 2.3 A record of activities shall be kept during the duration of the emergency. A record of man-hours expended and other costs shall be maintained and submitted to the EMA Director at the end of the emergency. Receipts will be provided.

**3.0 IMPLEMENTATION**

This section identifies the pre-planned response to each emergency class declared by CCNPP. Refer to Dorchester REP for a description of each emergency class.

**3.1 Unusual Event**

No response required.

**3.2 Alert**

- 3.2.1 The Chapter Chairman will notify the EOC representative (Disaster Chairman) to standby.
- 3.2.2 The Chapter Chairman will notify all other personnel of the emergency.

**3.3 Site Area Emergency**

- 3.3.1 Chapter Chairman will notify EOC representative to report to County EOC.

3.3.2 Chapter Chairman will notify all other personnel to report to Dorchester Chapter Headquarters, 5510 West Shore Drive, (Eastern Shore Hospital Center) Cambridge, MD. for briefing and possible assignment.

3.4 **General Emergency** - Same as for Site Area Emergency

#### 4.0 **NOTIFICATION AND COMMUNICATION**

##### 4.1 **Initial Notification**

Upon notification of an emergency,

4.1.1 Verify the authenticity and content of the message by return call to Dorchester County EMA (phone: 228-1818) or by voice recognition, when appropriate.

4.1.2 Notify the Disaster Chairman (if office secretary takes the Initial Notification).

4.1.3 At the direction of the Disaster Chairman, initiate a call-up list of disaster committee. (See Tab B for key staff.)

##### 4.2 **Communications**

4.2.1 Communications with the agency personnel will be by routine channels (Commercial telephone).

4.2.2 Communications with EOC will be by commercial telephone.

#### 5.0 **PARALLEL ACTIONS**

##### 5.1 **Mass Care**

American Red Cross is a support agency for the Department of Social Services in Mass Care. (See Tab C for details.)

#### 6.0 **PUBLIC INFORMATION**

The ARC will coordinate with the Department of Social Services who will provide information on Mass Care activities to the County PIO.

#### 7.0 **TRAINING**

ARC personnel will attend training programs by State and Local governments to prepare them in dealing with emergencies at CCNPP.

#### 8.0 **EXERCISES AND DRILLS**

The ARC will participate in exercises and drills at least annually.

#### 9.0 **SOP MAINTENANCE**

The ARC Chapter Chairman has overall responsibility to review and update this SOP at least annually. Telephone lists will be reviewed and updated quarterly.

TAB A

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**TAB B**

**AMERICAN RED CROSS - DORCHESTER CHAPTER**

List maintained in the EOC.

**TAB C**  
**Dorchester County**  
**Emergency Operations Plan (Excerpts)**

- H. Director, Dorchester County Department of Social Service, Maryland Department of Human Resources.
1. Establish liaison with the local representatives of the Red Cross, Salvation Army, and other relief organizations to provide assistance to victims.
  2. In coordination with the Red Cross, operate shelters of mass care and provide emergency registration, inquiry and shelter management assistance.
  3. Provide for the procurement of food and other supplies for victims in coordination with the Red Cross.

- D. The Red Cross and other disaster assistance organizations will coordinate the procurement of mass care needs as beds, bedding clothing, food and eating utensils.

Red Cross or other disaster relief agencies operating mass care or emergency shelter facilities will compile lists of missing persons reported by concerned evacuees in their facilities and provide the lists to the EOC at the earliest possible time.

The Red Cross, in keeping with its charter obligation, will provide mass care, shelter and individual emergency assistance to evacuees. Other private disaster relief agencies will assist in such operations in accordance with prior agreements or voluntary offers accepted by the County or State governments or agencies.

The Director of Disaster Services, Dorchester County Chapter, Red Cross, is the liaison to the County EOC and representative for the development and implementation of disaster preparedness and relief plans. He will exercise his responsibilities in accordance with established Red Cross procedure.

**TAB C**  
**Dorchester County**  
**Emergency Operations Plan (Excerpts)**

Shelter

The Red Cross intends to use schools as temporary shelters for disaster victims. The Dorchester County Red Cross Chairman will, in coordination with the Director, (LCO), select, man and equip the shelters. The Red Cross Chairman may request the LCO to supply cots, blankets, and other necessary equipment in small quantities from State Civil Defense stockpiles. LDSS may be requested to recruit personnel to perform tasks necessary to the functioning of the shelter and to support the Red Cross efforts with any other aid requested, including provision of trained social workers and volunteers.

The Red Cross will provide meals for both victims and workers. In the disaster area, without cost to any governmental body. Food for meals may be provided by local purchase, procurement from State or Federal Institutions, or from the U. S. Department of Agriculture's surplus supplies. The Director, LDSS, may be requested to recruit volunteers to aid in cooking and food distribution and to provide any additional aid requested.

It is a general Red Cross policy that the acquisition of food, medical supplies (below) and other commodities will usually be by purchase from local stores instead of wholesale outlets in order to bolster the overall economy of the affected area.

The Red Cross will provide emergency medical first aid service by trained personnel at all shelters which it maintains.

The Red Cross will provide necessary clothing and personal comfort items to disaster victims at shelter. Emergency clothing may also be provided through corporation with the Salvation Army, and Federal, State and County agencies. An

**TAB C**  
**Dorchester County**  
**Emergency Operations Plan (Excerpts)**

additional function of the Red Cross is to register those housed in temporary shelters so that relatives, representatives of governmental agencies and others concerned may be apprised of their safety. The Director, LDSS, may be requested to provide personnel, particularly counselors and others skilled in working with large numbers of people to assist in registration procedures.

In coordination with the Red Cross, local housing authority, real estate boards and other appropriate agencies, develop and maintain cognizance of resources usable as temporary housing. In periods of emergency or disaster, and during the period of recovery, the mission of the State Department of Human Resources, (DHR), and LDSS and the American National Red Cross, the Salvation Army, and other voluntary assistance agencies is to assure that individuals affected are provided immediate and continual assistance to minimize hardship and suffering. The objectives of Individual Assistance are to promulgate procedures and utilize capabilities relating to various programs of shelter, feeding, medical assistance, counseling (employment, psychological, welfare, legal, etc.) and financial assistance.

**Attachment #14****DORCHESTER COUNTY****Maryland State Police**

(SPECIAL ORDER NO. 58-9502 - dated May 18, 1995)

TO: Barrack "I" Personnel, Talbot, Caroline, Dorchester Counties

SUBJECT: Calvert Cliffs Nuclear Power Plant Radiological Emergency Response Plan  
Implementing Procedures

This directive sets forth the procedures to be followed to implement the Maryland Disaster Assistance Plan, Annex Q, and the Dorchester Radiological Emergency Plan for the Calvert Cliffs Nuclear Power Plant.

The type of response required from the Agency will be determined by the classification of the emergency incident as defined as follows:

1. Unusual Event - This classification includes significantly contaminated or severely injured plant personnel that requires off-site emergency treatment, and no releases of radioactive material requiring off-site monitoring are expected.
2. Alert - Events in process which involve an actual or potential degradation of the safety level of the plant. Limited releases of radioactive materials may require off-site monitoring.
3. Site Area Emergency - Events are in process or have occurred involving actual or likely failures of plant functions needed for the protection of the public. Release of radioactive materials requires the dispatch of off-site monitoring and assessment teams.
4. 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 of radioactive materials requires that dispatch of off-site monitoring and assessment teams.

**RESPONSIBILITIES:**

The responsibilities of the Maryland State Police, Barrack "I" are outlined in the Dorchester Radiological Emergency Plan (white 3-ring binder on Lt's bookshelf). The Maryland State Police, Barrack "I" is a support agency for Access Control, Law Enforcement and Crime Prevention, Accident Assessment, Evacuation, Take Shelter and Return.

### ACCIDENT ASSESSMENT:

The Agency will support the Division of Radiation Control by providing surface and/or air transportation for the radiological monitoring survey teams and their equipment. Continuous radio communications between survey teams and State and County Emergency Operations Centers will be maintained during transport.

If a request has been received to transport the DHMH personnel by air transport, the Aviation Division will be notified. If weather or other factors preclude the use of the Aviation Division, DHMH personnel will respond by ground transport. A driver, familiar with the area, will be provided to transport DHMH personnel, if requested.

Directions for location of established survey points and a map showing them can be found at TAB D.

### COMMAND AND COORDINATION:

The Barrack Commander or Alternate is in charge of the local State Police emergency response operations. The Barrack Commander is responsible for insuring that the Agency is properly staffed and sufficient resources are available for 24-hour operations for a protracted period.

Normal procedures will be utilized for obtaining necessary resources. When these resources become exhausted, requests for additional resources will be made with Maryland State Police Headquarters and the County Civil Defense Director through the EOC representative. Agency Commanders will be in charge of MSP operation and coordinate activities with State and Dorchester County EOC's.

During Site and General Emergencies, the following three alternate Headquarters teams will be available for State support at the State EOC providing 24-hour coverage.

1. Chief, Field Operations Bureau, and member of Field Operations Bureau Staff.
2. Chief, Special Operations Bureau, and member of Field Operations Bureau Staff.
3. Chief, Administrative Services Bureau, and member of Field Operations Bureau Staff.

A record of man-hours expended and other costs will be maintained and submitted to the EM Director at the end of the emergency. Receipts shall be provided when available.

### IMPLEMENTATION:

This section identifies the pre-planned response to each emergency class declared by CCNPP. Refer to the Dorchester Radiological Emergency Plan for a description of each emergency class.

Unusual Event:

No response required.

Alert:

The Agency will support the State Radiological Health Program in Accident Assessment.

The Duty Officer is responsible for notifying the Barrack Commander, and a separate message log MSP Form #3 will be completed. (See TAB A.)

The Barrack Commander will notify the Emergency Operations Center representative to stand by. He will order notification of Barrack personnel, including members of the Region Crime Scene Unit. The Barrack Commander will be responsible for notifying the Regional Commander.

Site Area Emergency:

Control Card, IR, will be opened. The Barrack Commander will cause the Dorchester County Emergency Operations Center representative to be notified and to report to the County Emergency Operations Center. The Agency EOC representative is the Cambridge Detachment Supervisor. The alternate representative is a member of the Detachment. Personnel assigned to Dorchester County will be advised to report to the Cambridge Detachment for briefing and possible assignment. (Talbot and Caroline County personnel will simultaneously report to Barrack "I", if necessary.)

Barrack "I" personnel will be prepared to support the County EM Director, County Fire Coordinator and the Sheriff in protective and parallel actions. Barrack personnel to be utilized will report to the EOC, 829 Fieldcrest Road, Cambridge, Maryland phone 410-228-1818, where the County Radiological Defense Officer (RDO) will issue the dosimetry equipment, protective clothing and appropriate logs. If needed, potassium iodide, a thyroid blocking agent, will be issued by the RDO at the direction of the County Health Officer.

General Emergency:

Same as Site Area Emergency.

NOTIFICATION AND COMMUNICATION:Initial Notification:

The Barrack Duty Officer will be notified of an emergency by Dorchester County 911. Upon notification, the Duty Officer will complete a message log, MSP Form

#3, which will be initiated to record all subsequent notifications of Agency personnel and to record activities related to the incident.

The Duty Officer is responsible for notifying the Barrack Commander. The Barrack Commander will notify the Emergency Operations Center representative and will order notification of Barrack personnel, including members of the Regional Crime Scene Unit. The Barrack Commander will be responsible for notifying the Regional Commander.

Verification of authenticity and content of the message may be made by calling County Central Warning (410-228-1818).

#### Communications:

The Agency is responsible to alert key Agency personnel of reported incidents which occur at the Calvert Cliffs Nuclear Power Plant and to initiate a called up commensurate with the severity of the incident. Communications with Agency personnel will be by routine channels. Communications with EOC will be by commercial telephone or radio net. Communications with MSP State EOC representatives will be by commercial telephones. This number will be verified by State EOC representatives upon their activation during Site and General Emergency operations. Alternate communications with the State EOC representative is by MSP radio net. A direct telephone line has been installed from Calvert Cliffs Nuclear facility to MSP Headquarters Tele-Communications Division and direct communications channels exist with the Emergency Operations Centers in Calvert, St. Mary's and Dorchester Counties.

- CAUTION -

BEFORE DISPATCHING ANY PERSONNEL, CHECK WITH THE COUNTY RADIOLOGICAL OFFICER ON THE STATUS OF THE EMERGENCY. IF RADIATION HAS BEEN RELEASED, MAKE SURE ALL EMRGENCY WORKERS ARE BRIEFED ON EXPECTED DOSE RATES EMERGENCY WORKER EXPOSURE LIMITS AND STAY TIMES. MAKE SURE EACH EMERGENCY WORKER IS ISSUED A TLD, DI, DIRECT READING DOSIMETER AND DOSIMETRY ROCORDS AND THAT EACH TEAM HAS RADIO COMMUNICATIONS TO THE COUNTY COMMUNICATIONS CENTER.

#### PROTECTIVE ACTIONS:

##### Take Shelter:

The Agency will support the Taylor's Dorchester EMA in Take Shelter operations by providing police vehicles equipped with public address systems to inform the public of the Take Shelter notice. See TAB B for notification routes that maybe assigned and the test of the message to be broadcast.

Thyroid Protection:

The Agency will support Dorchester EMA in Thyroid Protection operations by providing police vehicles equipped with public address systems to inform the public of the KI notice. See TAB B for notification routes that may be assigned and the text of the message to be broadcast.

Evacuation:

The Agency will support Emergency Management in Evacuation operations by assisting in traffic control and providing police vehicles equipped with public address systems to notify the public of the Evacuation. The County Department of Education will provide buses for transportation from the TIVFC to Cambridge-South Dorchester High School complex.

The Sheriff of Dorchester County will initiate Access Control to prevent entry into the affected areas and to provide timely evacuation, assisted by MSP Barrack "I" and Cambridge Police Department on land and DNR Marine Police on the waterways. Barriers will be provided by the County Highway Department and, if needed, the State Highway Administration.

See TAB B for route assignments and the text of the message to be broadcast. The Department of Natural Resources maintains navigation charts for designating evacuation areas on water.

Access Control:

Access control points will be determined by the area to be restricted as announced by the CD Director. The Agency will support the Sheriff's Department in access control operation by providing personnel and vehicles to establish roadblocks and manned designated access control points.

See TAB C for a map showing access control points and a message for residents entering the controlled area during Take Shelter operations.

PARALLEL ACTIONS:Law Enforcement and Crime Prevention:

The Maryland State Police will provide crime suppression and prevention and will coordinate with local Sheriff's Departments to provide this service to the affected area. State supports for this function will be received from the Department of Natural Resources, Maryland National Guard, and the Office of the Comptroller through the State EOC representative.

Return:

The MSP will support the County Emergency Management Director in coordination with the Sheriff's Office in Return operations by insuring an orderly

flow of traffic back into the area. Support in this function will be received from the County Department of Education and Department of Public Works.

PUBLIC INFORMATION:

All media requests for information will be forwarded to the County and State PIOs. Any information requested by the State and County PIOs will be provided by the installation commander.

TRAINING:

The Barrack Commander will assure that personnel will avail themselves of required training as arranged by the proper authorities.

DEBRIEFING:

MSP EOC personnel will conduct debriefing at the Cambridge-South Dorchester High School. After completing assignment in the plume area, personnel and vehicles will be checked for contamination and dosimetry equipment, protective clothing and logs will be returned to County RDO personnel at the Cambridge-South Dorchester High School. Any contaminated items will be disposed of by the County Fire Coordinator.

SPECIAL ORDER MAINTENANCE:

The Barrack Commander will review this Special Order yearly and make all necessary revisions. Telephone lists will be updated at least quarterly.

It is imperative that Agency personnel are cognizant of the class of emergency, radiation levels and changes in weather.

This Special Order cancels Special Order No. 58-93-05, dated July 12, 1993.

(s) Martin E. Knight - Lieutenant  
Commander - Easton Barrack "I"  
Maryland State Police.



## TAB B

**NOTIFICATION ROUTE ASSIGNMENT FOR TAKE SHELTER/THYROID PROTECTION/EVACUATION**

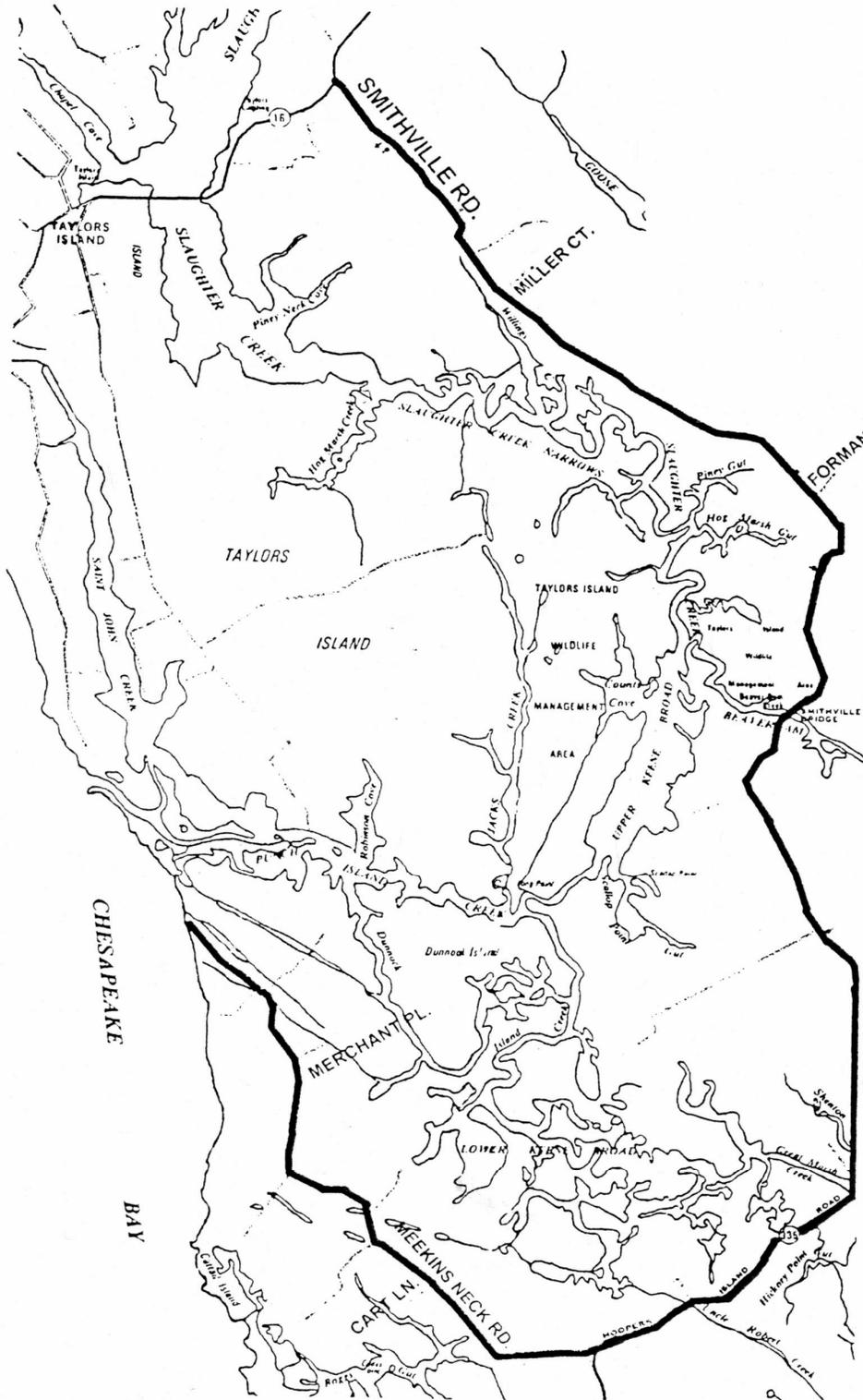
As a result of the pending emergency, you have been assigned a route to notify all civilian personnel of the emergency. The attached maps (Tabs B-1, B-2, and B-3) show the various routes to be assigned. Your mission is to announce over your public address system that there is an emergency at Calvert Cliffs Nuclear Power Plant (CCNPP) and that residents should tune to local television or radio stations for further information.

The text of your message is as follows:

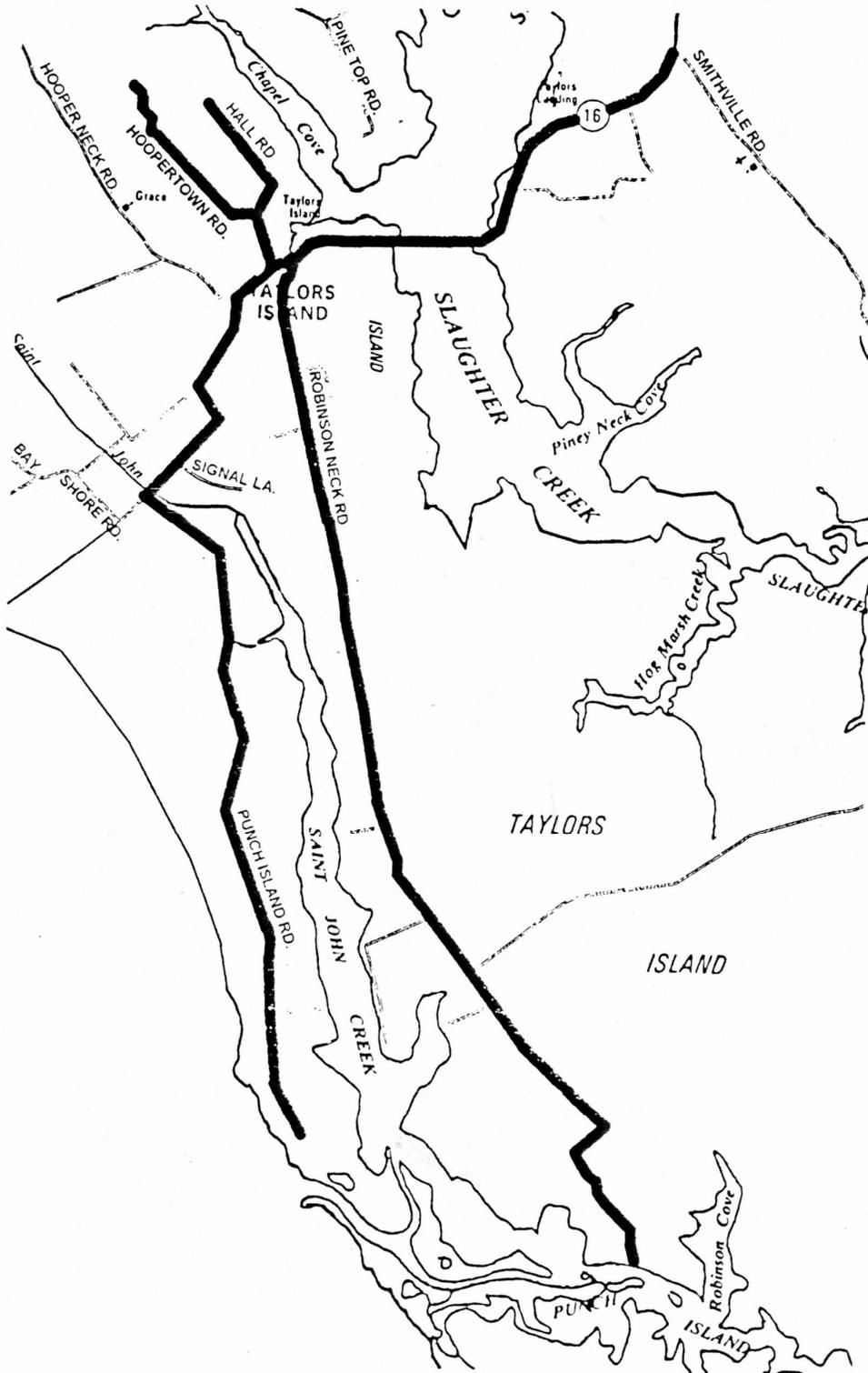
**ATTENTION:** THERE IS AN EMERGENCY AT CALVERT CLIFFS  
NUCLEAR POWER PLANT. TUNE IN LOCAL TELEVISION OR  
RADIO STATIONS FOR MORE INFORMATION PROTECTING YOUR  
SAFETY. I REPEAT, THERE IS AN EMERGENCY AT CALVERT  
CLIFFS NUCLEAR POWER PLANT. TUNE IN LOCAL TELEVISION OR  
RADIO STATIONS FOR MORE INFORMATION PROTECTING YOUR  
SAFETY.

**Drive slowly** so that the entire message may be heard by residents within audible range.

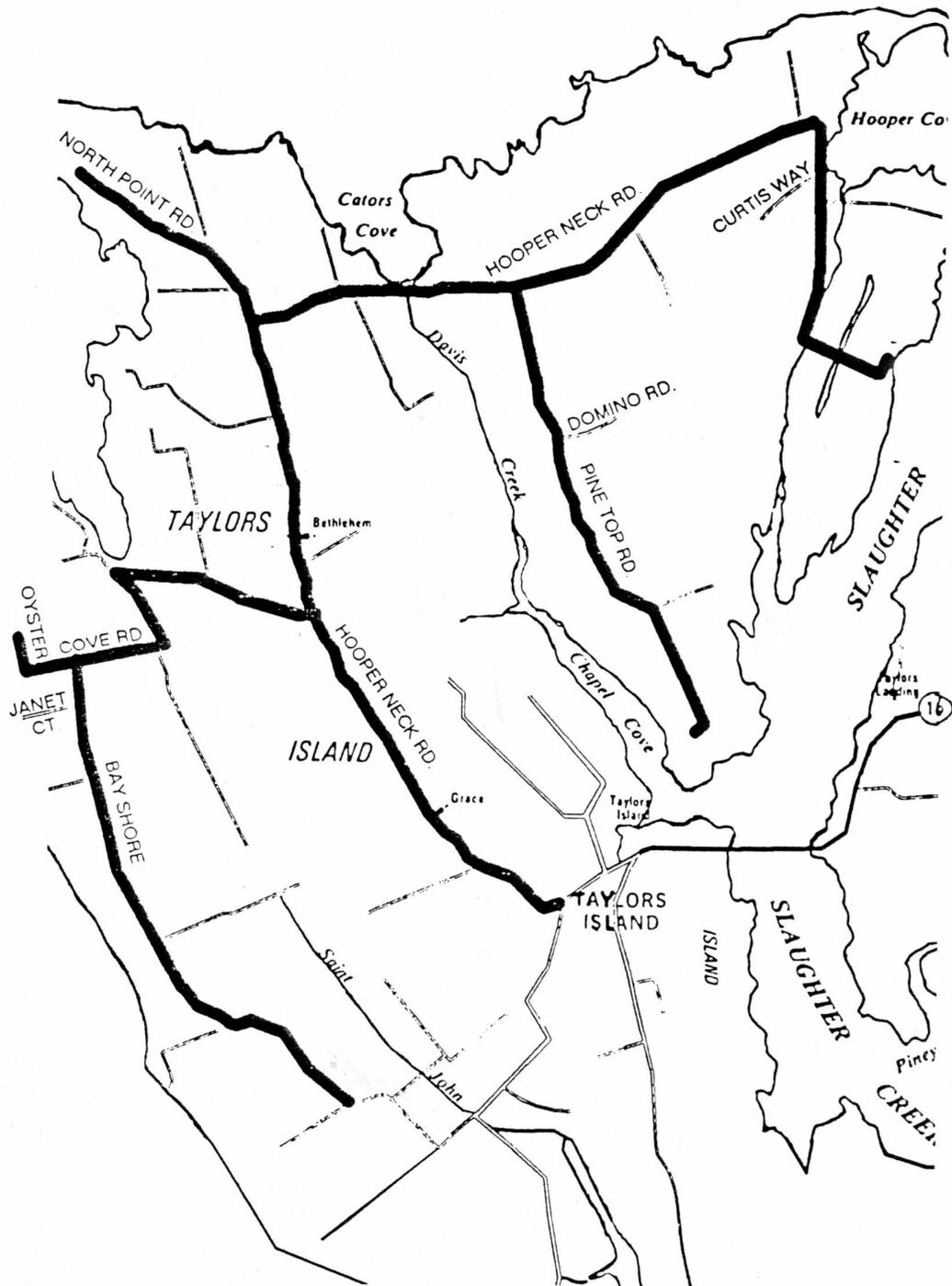
### TAB B-1 Notification Route A



**TAB B-2**  
**Notification Route B**



**TAB B-3**  
**Notification Route C**



**TAB C****ASSIGNMENTS FOR ACCESS CONTROL/LAW ENFORCEMENT AND  
CRIME PREVENTION**

As a result of the pending emergency, you have been assigned a certain Access Control Point. Access Control Points are described in Tab C-2.

When **Take Shelter OR Thyroid Protection** is in effect, civilian personnel and emergency workers will be allowed to enter the controlled area after being notified of the precautions to be taken. A prepared message is attached (Tab C-1).

When **Evacuation** is in effect, only emergency workers will be allowed into the controlled area. They must be equipped with self-protection dosimetry and two-way radio communications capability.

**TAB C-1****NOTIFICATION: ACCESS CONTROL TO AREA**

**INSTRUCTIONS:** MESSAGE TO BE USED BY OFFICIALS AT ACCESS CONTROL POINTS WHEN NOTIFYING THE PUBLIC THAT A TAKE SHELTER ORDER HAS BEEN GIVEN FOR THE CONTROLLED AREA.

"AN ACCIDENT OCCURRED AT THE CALVERT CLIFFS NUCLEAR POWER PLANT. ACCESS TO \_\_\_\_\_ IS LIMITED TO OFFICIAL  
(Describe Area)

PERSONNEL AND RESIDENTS WHO MUST RETURN TO THEIR HOMES. ALL RESIDENTS OF THIS AREA HAVE TAKEN SHELTER WITHIN THEIR HOMES. NON-RESIDENTS ARE ADVISED TO USE AN ALTERNATE ROUTE". ( **NOTE:** EXPLAIN ALTERNATE ROUTES AVAILABLE.)

IF ACCESS IS PERMITTED, THE VEHICLE DRIVER WILL BE TOLD: "WHEN DRIVING IN THE AFFECTED AREA, YOU ARE REQUESTED TO KEEP YOUR CAR WINDOWS AND VENTS CLOSED. ONCE ARRIVING AT HOME, REMAIN INSIDE WITH ALL DOORS AND WINDOWS CLOSED AND VENTILATION TURNED OFF UNTIL OTHERWISE NOTIFIED. TIE A WHITE CLOTH OR TOWEL ON YOUR FRONT DOOR SO THAT THE EMERGENCY MANAGEMENT OFFICIALS WILL KNOW THAT YOU HAVE BEEN NOTIFIED. STAY TUNED TO LOCAL RADIO/TELEVISION STATIONS FOR MORE INFORMATION."

**TAB C-2****ACCESS CONTROL POINTS, MASS CARE & RECEPTION CENTERS**ACCESS CONTROL POINTS

A-1 - Rt. 16 and Slaughter Creek Bridge (only road-entry onto Taylors Island, Maryland).

A-2 - Rt. 16 and Smithville Road intersection.

A-3 - Rt. 16 and Rt. 335 intersection at Church Creek, Maryland. (Near Church Creek Post Office.)

A-4 - Rt. 335 and Smithville Road (Near House Point and south of Hip Roof Road and Smithville Road intersection).

A-5 - Rt. 16 and Maple Dam Road intersection (Near entrance to Cambridge-South Dorchester High School).

A-6 - Rt. 335 and Rt. 336 intersection at Gootee's Marina, Golden Hill.

MASS CARE CENTER

Cambridge-South Dorchester High School  
2475 Cambridge Beltway  
Cambridge, MD. 21613

CSDHS is located on Cambridge Beltway (Rt. 16) between Maple Dam Road and Egypt Road, Cambridge, Maryland.

RECEPTION CENTER

Maple Elementary School  
5225 Egypt Road  
Cambridge, MD 21613

VEHICLE DECONTAMINATION

Egypt Road Park (Across from Maple Elementary School)  
Egypt Road, Cambridge, MD 21613

**TAB D****ESTABLISHED RADIOLOGICAL SURVEY POINTS**

**Point #41** - Taylors Island Family Campground, east side of Bay Shore Road.

**Point #42** - Second (northern) intersection of Hoopers Neck Road and Bay Shore Road coming from the village of Taylors Island.

**Point #43** - Firehouse past bridge on Taylors Island Road (Rt. 16) going west toward the village of Taylors Island.

**Point #44** - Access control point at Smithville Road and Rt. 16.

**Point #45** - House at end of bridge at the intersection of Punch Island Road and the bridge coming from Robinson Neck Road.

**Point #46** - House at right turn bend at the southern end of Robinson Neck Road.

**Point #47** - First building on left on Meekins Neck Road past intersection of Meekins Neck Road and Hoopers Island Road (Rt. 335).

**Attachment #15**  
**DORCHESTER COUNTY**  
**DNR - NATURAL RESOURCES POLICE**  
**STANDARD OPERATING PROCEDURES**

**1.0 RESPONSIBILITIES**

The responsibilities of the Natural Resources Police are outlined in the Dorchester REP. The Natural Resources Police is a support agency for Accident Assessment, Evacuation, Take Shelter, Access Control, and Public Information. Additional support for the above actions and Food Control is provided by other DNR Agencies under the command and coordination of the State EOC DNR representative.

**2.0 COMMAND AND COORDINATION**

- 2.1 The Regional Commander, Upper Eastern Shore, is in charge of the emergency response operations in coordination with the EMA Director. The Regional Commander is responsible for ensuring that the NRP is properly staffed and sufficient resources are available for 24-hour operations for a protracted period.
- 2.2 Normal procedures will be utilized for obtaining necessary resources. When these sources become exhausted, request for additional resources will be made to the Natural Resources representative at the State EOC through the County EOC representative.
- 2.3 A record of activities shall be kept during the duration of the emergency. A record of man-hours expended and other costs shall be maintained and submitted to the County EMA Director at the end of the emergency. Receipts will be provided.

**3.0 IMPLEMENTATION**

This section identifies the pre-planned response to each emergency class declared by CCNPP. Refer to Dorchester REP for a description of each emergency class.

**3.1 Unusual Event**

No response required.

**3.2 Alert**

- 3.2.1 The EMA Director notifies the Regional Commander (EOC representative) to standby.
- 3.2.2 The Regional Commander notifies all other personnel of the emergency.

### 3.3 **SITE AREA EMERGENCY**

3.3.1 The EMA Director notifies the Regional Commander (EOC representative) to provide a person to report to the County EOC.

3.3.2 The Regional Commander notifies all other personnel to report to their boats for assignments.

3.4 **GENERAL EMERGENCY** - Same as for Site Area Emergency.

## 4.0 **NOTIFICATION AND COMMUNICATION**

### 4.1 **Initial Notification**

Upon notification of an emergency,

4.1.1 The Regional Commander, if the caller is unknown to him, will verify the authenticity and content of the message by return call to Dorchester County EMA (Phone: 410-228-1818).

4.1.2 The Regional Commander will initiate a call-up of all off-duty personnel assigned to the Region and Regional Commanders of adjacent Regions.

4.1.3 In order to implement the aforementioned notification process, the Regional Commander will have a current telephone list of NRP personnel which is updated at least quarterly, but more often as required.

### 4.2 **Communications**

4.2.1 Communications with NRP personnel will be the normal channels of telephone and NRP radio.

4.2.2 Communications with the County EOC will be by radio.

## 5.0 **ACCIDENT ASSESSMENT**

5.1 The Natural Resources Police is a support agency for Accident Assessment. The Natural Resources Police will conduct on-water field monitoring and provide transportation over waterways for field monitoring teams, as necessary.

## 6.0 **PROTECTIVE ACTIONS**

The Natural Resources Police is a support agency for Take Shelter, Thyroid Protection, Evacuation, and for Access Control.

**CAUTION:** BEFORE DISPATCHING ANY PERSONNEL, CHECK WITH THE COUNTY RDO ON THE STATUS OF THE EMERGENCY. IF RADIATION HAS BEEN RELEASED, MAKE SURE ALL EMERGENCY WORKERS ARE BRIEFED ON EXPECTED DOSE RATES AND STAY TIMES.

### 6.1 **Take Shelter OR Thyroid Protection**

The Natural Resources Police will support EMA in Take Shelter or Thyroid Protection operations by notifying pleasure and commercial craft in the waters surrounding CCNPP to leave the area. The Natural Resources Police will provide take shelter notification information to the mariners by public address systems from boats and/or motor vehicles, by personal contact, or by VHF or citizens band radio. The Natural Resources Police will also provide boat transportation for evacuees from special areas, if necessary.

6.1.1 Once a decision to "Take Shelter" or "Thyroid Protection" has been made and the areas for this action delineated by the decision authority, the public will be notified by the following means:

- (1) Use of portable address systems to reach camping grounds and marinas.
- (2) Use of vessel-to-vessel notification.

6.1.2 At the same time, Access Control points will be established to segregate the areas wherein the protective actions are being implemented in order to prevent people from entering the affected areas and becoming unnecessarily exposed. Boat patrols will accomplish the same task on the waterways.

### 6.2 **Evacuation**

The Natural Resources Police will support the EMA Director in Evacuation operations by notifying pleasure and commercial craft in the waters surrounding CCNPP. The Natural Resources Police will provide evacuation notification information to the mariners by public address systems from boats and/or motor vehicles, by personal contact, or by VHF or citizen's band radio. The Natural Resources Police will also provide boat transportation for evacuees from special areas, if necessary.

### 6.3 **Access Control**

The Natural Resources Police will support the Dorchester County Sheriff's Office in Access Control operations by restricting the access of small craft

along waterways through the establishment and maintenance of access control patrols.

7.0 **PARALLEL ACTIONS**

The Natural Resources Police has no assigned function for Parallel Actions; however, the Natural Resources Police will provide support to the Sheriff and Maryland State Police, as requested, at the order of the Regional Commander.

8.0 **PUBLIC INFORMATION**

All media requests for information must be forwarded to the County PIO. Any information requested by the County PIO will be provided.

9.0 **TRAINING**

The Regional Commander will assure that personnel avail themselves of required training as provided by the State or Local EMA Director.

10. **EXERCISES AND DRILLS**

Department of Natural Resources will cooperate with the EMA Director by participating in scheduled exercises and drills.

11.0 **SOP MAINTENANCE**

The Regional Commander will review for possible revision, the SOP at a minimum of once annually. Telephone lists will be reviewed at least once quarterly.

**TAB B**

**POINT OF CONTACT**

Department of Natural Resources  
Natural Resources Police  
Upper Eastern Shore Regional Office  
P. O. Box 157  
Queen Anne, MD 21657

Phones: 1-410-364-5366  
1-800-628-9944

**Attachment #16**  
**DORCHESTER COUNTY**  
**DORCHESTER GENERAL HOSPITAL**  
**STANDARD OPERATING PROCEDURES**

**1.0 RESPONSIBILITIES**

The responsibilities of Dorchester General Hospital are outlined in the Dorchester REP. Dorchester General Hospital is a support agency for Emergency Medical Services and Decontamination.

**2.0 COMMAND AND COORDINATION**

See Dorchester General Hospital Disaster Plan.

**3.0 IMPLEMENTATION**

See Dorchester General Hospital Disaster Plan.

**4.0 NOTIFICATION AND COMMUNICATION.**

See Dorchester General Hospital Disaster Plan.

**5.0 PROTECTIVE ACTIONS**

Dorchester General Hospital has no protective actions responsibilities.

**6.0 PARALLEL ACTIONS**

**6.1 Emergency Medical Services**

Dorchester General Hospital will provide Emergency Medical Assistance in accordance with the Dorchester General Hospital Disaster Plan.

**6.2 Decontamination**

Contaminated patients may be treated at Dorchester General Hospital as per the Dorchester General Hospital Disaster Plan or may be evacuated to either Calvert Memorial or Harford Memorial Hospital, if necessary.

**7.0 PUBLIC INFORMATION**

All media requests for information must be forwarded to the County PIO. Any information requested by the County PIO will be provided.

**8.0 TRAINING**

See Dorchester General Hospital Disaster Plan.

**9.0 EXERCISES AND DRILLS**

See Dorchester General Hospital Disaster Plan

## ATTACHMENT #17

**DORCHESTER COUNTY****FSA – FARM SERVICE AGENCY STANDARD OPERATING PROCEDURES****1.0 RESPONSIBILITIES**

The responsibilities of the Farm Service Agency are outlined in the Dorchester County Radiological Emergency Plan. The Farm Service is a support agency for Accident Assessment, Evacuation, Thyroid Protection, Take Shelter, Access Control, and Public Information. Additional support for the above actions and Food Control is provided by the USDA as coordinated and directed by the FSA representative in the State EOC.

**2.0 COMMAND AND COORDINATION**

- 2.1 The Director – FSA or his designee, is in charge of the emergency response operations in coordination with the Director of Emergency Management. The Director is responsible for ensuring that the FSA is properly staffed and sufficient resources available for 24-hour operation for a protracted period.
- 2.2 Normal procedures will be utilized for obtaining necessary resources. When these sources become exhausted, request for additional resources will be made to the USDA or Farm Service representative at the State EOC through the County EOC representative.
- 2.3 A record of activities shall be kept during the duration of the emergency. A record of man-hours expended and other costs shall be maintained and submitted to the County EM Director at the end of the emergency. Receipts will be provided.

**3.0 IMPLEMENTATION**

This section identifies the preplanned response to each emergency class declared by CCNPP.

- 3.1 **Unusual Event** – No response required.
- 3.2 **Alert**
  - 3.2.1 The Dorchester County Communications Center notifies the Director – FSA (EOC representative) to report to the County EOC.
  - 3.2.2 The Director – FSA notifies all other personnel of the emergency.
  - 3.2.3 Prepare and review agriculture advisory press releases with the PIO for potential release.
- 3.3 **Site Area Emergency**
  - 3.3.1 The Dorchester County Communications Center notifies the Director – FSA (EOC representative) to report to the County EOC.

3.3.2 The Director – FSA notifies all other personnel to report to designated emergency worker assembly area for exposure control equipment and briefing.

3.3.3 Notify farms and food processors of protective actions as warranted.

#### 3.4 **General Emergency**

3.4.1 Same as Site Area Emergency.

### 4.0 **NOTIFICATION AND COMMUNICATION**

#### 4.1 **Initial Notifications**

4.1.1 The Director – FSA, may if the caller is unknown to him, verify the authenticity and content of the message by return call to the EOC.

4.1.2 The Director – FSA will initiate a call up of all off-duty personnel assigned to the region and Director – FSA of adjacent Regions

4.1.3 In order to implement the aforementioned notification process, the Director – FSA will have a current telephone list of FSA personnel which is updated at least quarterly, but more often as required.

#### 4.2 **Communications**

4.2.1 Communications with FSA personnel will be the normal channels of telephone.

### 5.0 **ACCIDENT ASSESSMENT**

5.1 The FSA is a support agency for Department of the Environment (MDE) Accident Assessment. The FSA will conduct on-water field monitoring and provide transportation field monitoring or farm sampling teams, as directed by MDE.

### 6.0 **PROTECTIVE ACTIONS**

The FSA is a support agency for Take Shelter, Evacuation, and for Access Control.

#### **-CAUTION-**

**BEFORE DISPATCHING ANY PERSONNEL, CHECK WITH THE RO ON THE STATUS OF THE EMERGENCY. IF RADIATION HAS BEEN RELEASED, MAKE SURE ALL EMERGENCY WORKERS ARE BRIEFED ON EXPECTED DOSE RATES AND STAY TIMES. MAKE SURE EACH EMERGENCY WORKER IS ISSUED DIRECT READING DOSIMETERS, A TLD, RADIATION EXPOSURE RECORD, AND THAT EACH ITEM HAS RADIO COMMUNICATIONS TO THE COUNTY COMMUNICATIONS CENTER.**

## 6.1 **Take Shelter, Thyroid Protection**

The FSA will support the County EM in take shelter and thyroid protection operations by notifying farmers in the affected area. The FSA will provide notification information to the farmers by motor vehicles, by personal contact, or by VHS or citizen's band radio. The FSA will also provide transportation for evacuees from special areas, if necessary.

6.1.1 Once a decision to "Take Shelter" or "Ingest KI" has been made and the areas for this action delineated by the County EM, the public will be notified by the following means:

6.1.1.1 Use of Emergency Alert System (EAS).

6.1.1.2 Use of vehicle public announcement

6.1.2 At the same time, access control points will be established to segregate the areas wherein "take shelter" or "thyroid protection" is being implemented in order to prevent people from entering the effected areas and becoming unnecessarily exposed.

## 6.2 **Evacuation**

The FSA will support the County, EM Director in evacuation operations by notifying farmers in the affected area. The FSA will provide evacuation notification information to the farmers by motor vehicles, by personal contact, or by VHF or citizen's band radio. The FSA will also provide vehicle transportation for evacuees from special areas, if necessary.

## 6.3 **Access Control**

The FSA will support the County Emergency Management in access control operations by restricting the access of small craft along waterways through the establishment and maintenance of access control patrols.

## 7.0 **PARALLEL ACTIONS**

The FSA will provide support as requested, by County Emergency Management for return.

### 7.1 **Return**

7.1.1 The FSA will support the EM Director in return operations

7.1.2 When return operations have been authorized by the County, the farmer's food processors and livestock owners will be informed and Access Control patrols will be secured.

### 7.2 **Re-entry**

7.2.1 The FSA will support the EM Director in re-entry operations

- 7.2.2 When re-entry operations have been authorized by the County, the farmer's food processors and livestock owners will be informed and Access Control patrols will be secured. Workers requiring access to the controlled area will be briefed as emergency workers and follow the guidelines described in Tab A.

8.0 **PUBLIC INFORMATION**

Agricultural advisories will be prepared and reviewed with the PIO. All media request for information must be forwarded to the County PIO in the EOC and the County PIO will be provided information as requested.

9.0 **EXERCISES AND DRILLS**

The FSA will participate in exercises and drills at least once every two years.

10.0 **TRAINING**

The FSA will participate in training programs provided by the State or local government to prepare them in dealings with emergencies at CCNPP.

11.0 **SOP MAINTENANCE**

The Director – FSA has overall responsibility to update this SOP at least annually. Telephone lists will be reviewed and updated at least quarterly or more often if required.

## TAB A

**Farmer Access to the Plume Exposure Pathway EPZ****A. Farmers as Emergency Workers**

Farmers in the plume zone who have livestock and elect to maintain them at their home location are designated as emergency workers when the plume zone area is evacuated. In order for them to function in this capacity, stay in evacuate area, or exit and re-enter the controlled area to care for the livestock, they must be supplied with the following:

1. A means of identification
2. Self-reading dosimeter and TLD
3. A supply of potassium iodide (KI) with instructions for usage
4. A Dosimetry-KI Report Form
5. An update on the incident status at the time the above equipment is issued
6. Allowable stay-times and permissible doses of radiation
7. Instructions on turning in equipment and the exposure record.

**B. Responsibilities of the USDA Representative**

1. The Chairman of the County Emergency Board, or a representative will establish a location easily accessible and known to farmers that is outside the plume zone area (risk area) for distribution of the items required above.
2. The utilization of the form attached and its distribution will be coordinated with the Sheriff's EOC Representative.
3. The supply and distribution of proper dosimetry/KI will be coordinated with the Health Officer.
4. The Chairman of the County Emergency Board or a representative will maintain a file of the Emergency Worker Authorization form.
5. The Chairman, County Emergency Board, will coordinate with the EOC PIO to prepare a message to be broadcast over the Emergency Alert System, instructing the farmers to report to the proper location for receipt of the items indicated above.

**C. Limitation of Access to the Plume Exposure Pathway**

Proper authority will suspend this emergency worker status and the right to be in the plume zone (risk area) if the situation should become serious enough to warrant this action.

TAB A

**EMERGENCY WORKER AUTHORIZATION**

(Name) \_\_\_\_\_

(Address) \_\_\_\_\_, is authorized access to the plume exposure pathway emergency zone (EPZ) for the period extending from (Date) \_\_\_\_\_ (Time) \_\_\_\_\_ to (Date) \_\_\_\_\_ (Time) \_\_\_\_\_. This individual is to be issued dosimetry and KI and is to have access to the controlled area (EPZ) for the exclusive purpose of \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

Location: \_\_\_\_\_  
\_\_\_\_\_

Telephone Number: \_\_\_\_\_

Identification Data:

Height: \_\_\_\_\_ Hair Color: \_\_\_\_\_

Weight: \_\_\_\_\_ MD Dr License No.: \_\_\_\_\_

Radiological Equipment Issued:

DRD Serial No.: \_\_\_\_\_ TLD Serial No.: \_\_\_\_\_

Individual Printed Name and Signature: \_\_\_\_\_

County Representative's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## **Protective Action Guide for Farmers and Food Processors**

This section provides information for farmers and food processors that will assist in the protection of livestock, crops and food products from radiological contamination.

### **A. GENERAL INFORMATION**

1. The Maryland Emergency Management Agency (MEMA), in coordination with licenses, Maryland Department of the Environment (MDE), and other state agencies, will provide specific information following an incident concerning amounts and types of releases. This information will contain available warning time, the probable duration and quantities, and the mix of radiocontaminant discharge. Generally, in a fixed nuclear site incident radioiodine will be the major contaminant, although it is possible that other radiocontaminants also will be released.
2. Experience has shown that the time from the depositing of radioiodine on the pasture to the appearance of significant quantities of radioiodine in cow's milk may be as short as the time lapse between milking (12 hours). It is extremely important, therefore, that actions to minimize milk contamination be taken as early as possible.
3. Several options are available for the protection of the public from exposure to radioiodine through the milk food chain.
  - a. Remove dairy cattle and other milk-producing animals from the pasture in the affected area as soon as possible and provide feed and water from sources that are not contaminated.
  - b. Dispose of contaminated milk; as determined by a sample to be taken by the appropriate state agency.
4. These are suggested priorities for sheltering and feeding farm animals with stored food and water:
  - a. Dairy cattle and other milk-producing animals
  - b. Egg-producing fowl
  - c. Breeding stock
  - d. Other livestock
5. No attempts should be made to evacuate farm animals from the 10-mile or 50-mile EPZ as priority for evacuation will be given to the public.

**Protective Action Guide for Farmers and Food Processors (Cont'd)**

6. A shelter can be a barn, shed, garage, or other building. If these are not available, a roadway underpass or a wooded area is better than no cover at all.
7. Crops that have been harvested before the accident should be covered or put in a covered area, if possible. An emergency supply of water should also be kept in covered containers, e.g. barrels, cisterns and wells.
8. The EAS will broadcast advisories and guidance.

**B. INFORMATION FOR FOOD PROCESSORS**

The primary objective of the food processor must be to prevent the contamination of the public through the processing of contaminated food. The burden of protecting the public from contamination through ingestion of contaminated foods provided by the food processors rests directly on the processors. They must take whatever actions are necessary to ensure that the foods processed for consumption by the public are not contaminated.

**RECOMMENDED PROTECTIVE ACTION FOR FOOD**

- A. Foods stored in the home will virtually always be free of radioactive contamination and therefore suitable for immediate use. This pertains to food stored in a normal manner (i.e., food stored in the refrigerator, cabinets and containers or package), but not necessarily to foods in the open such as fruit, cookies or candy in uncovered dishes. Therefore, unless advised otherwise, the public can assume that no special measures are necessary in preparing stored foods for consumption.
- B. Food not stored indoors or similarly protected, such as garden vegetables, fruit on trees, or food products obtained outside the home after the incident, could be contaminated. Contamination, however, does not render such foods unusable. Most foods can easily be decontaminated by fairly simple food preparation procedures.
- C. In fixed nuclear facility incidents involving the release of radioactive iodine, cows may ingest the contaminant and produce milk with some degree of contamination. Only milk produced after any exposure of the cows to contaminated feed (not milk stored in the home or already packaged milk at the dairy or store) is subject to radioactive iodine contamination.
- D. The following procedures for various food types are generally considered to be effective protective measures in assuring that food is free of contamination and suitable for consumption.

<p>1. Root Crops (potatoes, carrots, etc.)</p>	<p>Thoroughly wash, brush, scrub or peel to remove surface contamination. Root crops are the least susceptible to contamination since the soil protects the edible portion from immediate contamination. Care should be take in digging and storing to prevent contact with contaminated surfaces.</p>
<p>2. Fruits and Vegetables</p>	<p>Thoroughly wash, brush, scrub or peel to remove surface contamination. These food products are susceptible to contamination due to the exposed surface area of the edible portion.</p>
<p>3. Canned or Packaged Foods</p>	<p>Thoroughly clean the surface of the package by washing, vacuuming or using a damp cloth to remove surface contamination prior to opening.</p>
<p>4. Frozen Foods</p>	<p>Frozen foods packaged prior to an incident involving radioactive contamination will be safe as long as they were kept in a freezer. If the surface becomes contaminated, it should be thoroughly cleaned off prior to opening to prevent contaminating the contents.</p>
<p>5. Unpacked Stored Foods</p>	<p>These foods will be safe to eat if outside air has been excluded from the storage area. If the storage area has become contaminated, they may be able to be salvaged by brushing, scrubbing, peeling, etc. This will depend upon the type of food item involved.</p>

**Attachment #18****DORCHESTER COUNTY****Dorchester County Emergency Medical Service (EMS)****STANDARD OPERATING PROCEDURES****1.0 RESPONSIBILITIES**

The responsibilities of the Dorchester County EMS are outlined in the Dorchester REP. The Dorchester County EMS is the key agency for Emergency Medical Services supported by Dorchester General Hospital and various County agencies. The Dorchester County EMS is a support agency for Take Shelter, Evacuation and Radiation Exposure Control.

**2.0 COMMAND AND COORDINATION**

- 2.1 The County EMS Coordinator, or his designated alternate, is in charge of the emergency response operations. The Coordinator is responsible for ensuring that the agency is properly staffed and sufficient resources available for 24-hour operations for a protracted period.
- 2.2 Normal procedures will be utilized for obtaining necessary resources. When these sources become exhausted, request for additional resources will be made to the EMA Director.
- 2.3 A record of activities shall be kept during the duration of the emergency. A record of man-hours expended and other costs shall be maintained and submitted to the EMA Director at the end of the emergency. Receipts will be provided.

**3.0 IMPLEMENTATION**

This section identifies the pre-planned response to each emergency class declared by CCNPP. Refer to Dorchester REP (Annex P of County Emergency Operations Plan) for a description of each emergency class.

**3.1 Unusual Event**

No response required.

**3.2 Alert**

County 9-1-1 Center will notify the EMS Coordinator to standby.

### 3.3 **Site Area Emergency**

Upon notification by the Dorchester County Emergency Management Agency, or his/her designee, of a Site Area Emergency at the CCNPP, the EMS Coordinator will report to the Dorchester County EOC.

### 3.4. **General Emergency**

Same as for Site Area Emergency.

## 4.0 **NOTIFICATION AND COMMUNICATION**

### 4.1 **Initial Notification**

Upon notification of an emergency,

4.1.1 The EMS Coordinator may, if the caller is unknown to him, verify the authenticity and content of the message by calling the County 9-1-1 Center (Phone: 410-228-2222) or the County EOC (Phone: 410-228-1818).

4.1.2 The Coordinator will direct County 9-1-1 Center to notify appropriate Fire Chiefs, who will notify their personnel to standby. (Tab B)

### 4.2 **Communications**

4.2.1 Communications with fire personnel will be by routine channels.

4.2.2 Communications with the EOC will be by radio and commercial telephone. See Tab C for telephone numbers and Tab D for radio frequencies.

## 5.0 **PROTECTIVE ACTIONS**

**CAUTION:** BEFORE DISPATCHING ANY PERSONNEL, CHECK WITH RDO ON THE STATUS OF THE EMERGENCY. IF RADIATION HAS BEEN RELEASED, MAKE SURE ALL EMERGENCY WORKERS ARE BRIEFED ON EXPECTED DOSE RATES AND STAY TIMES. MAKE SURE EACH EMERGENCY WORKER IS ISSUED A DIRECT-READING DOSIMETER, A TLD, RADIATION EXPOSURE RECORD, AND THAT EACH TEAM HAS RADIO COMMUNICATIONS TO THE COUNTY COMMUNICATIONS CENTER.

## 5.1 **Take Shelter**

Dorchester County EMS is the support organization on Take Shelter.

5.1.1 Dorchester County EMS will assist in notifying the public of Take Shelter procedures and actions by utilizing alert systems, mobile public address systems and by direct contact, if necessary.

5.1.3 Mobile public address systems or direct contact will be supported by the Sheriff's Office, MSP-Barrack I, Cambridge City Police, and Department of Natural Resources Police. (DNR).

## 5.2 **Thyroid Protection**

Dorchester County EMS is a support organization on Thyroid Protection Shelter.

5.1.1 Dorchester County EMS will assist in notifying the public of Thyroid Protection procedures and actions by utilizing alert systems, mobile public address systems and by direct contact, if necessary.

5.1.2 Mobile public address systems or direct contact will be supported by the Sheriff's Office, MSP-Barrack I, Cambridge City Police, and Department of Natural Resources Police. (DNR).

## 5.3 **Evacuation**

The Dorchester County EMS will support the County EMA in evacuation operations.

5.3.1 Dorchester County EMS, as a support organization, will notify the public of evacuation procedures actions by utilizing alert systems and by utilizing the mobile public address systems and by direct contact.

5.3.2 Mobile public address systems or direct contact will be supported by the Sheriff's Office, County Highway Division (DPW), Cambridge City Police, MSP-Barrack I and DNR Marine Police.

5.3.3 Additional equipment and personnel may be assigned to assist by the County Fire and Rescue Coordinator, under a mutual-aid agreement between County fire companies.

## 6.0 **PARALLEL ACTIONS**

### 6.1 **Emergency Medical Services**

6.1.1 Dorchester County EMS is the key county organization for Emergency Medical Services operations.

- 6.1.2 Dorchester County EMS will provide emergency ambulance services as required. Additional equipment and personnel may be assigned to assist by the EMS Coordinator, under a mutual-aid agreement between County fire companies.
- 6.1.3 Dorchester General Hospital will provide Emergency Medical Assistance in accordance with the Dorchester General Hospital Disaster Plan. Contaminated patients may be treated at Dorchester General Hospital or be evacuated to Calvert Memorial Hospital or Upper Chesapeake Medical Center (Harford County) if necessary.

## 6.2 **Radiation Exposure Control**

See Radiation Exposure Control SOP ( Attachment #4).

- 6.2.1 Dorchester County EMS is a support organization for Radiation Exposure Control.
- 6.2.2 Dorchester County EMS will support the County RDO in monitoring emergency worker exposure.
- 6.2.3 At the request of the County Radiological Officer (RDO), the EMS Coordinator will organize personnel and equipment for monitoring and decontamination of personnel and equipment involved in the emergency response. Assembly will be at the Maple Elementary School.
- 6.2.4 At the request of the County RDO, the EMS Coordinator will organize monitoring teams, equipment, and necessary decontamination equipment for the evacuee's Reception Area at Maple Elementary School

## 7.0 **PUBLIC INFORMATION**

All media requests for information must be forwarded to the County PIO. Any information requested by the County PIO will be provided.

## 8.0 **TRAINING**

The EMS Coordinator will request that the volunteer personnel avail themselves of required training as arranged by the EMA Director.

## 9.0 **EXERCISES AND DRILLS**

Dorchester County EMS will cooperate with the EMA Director by participating in scheduled exercises and drills.

## 10.0 **SOP MAINTENANCE**

The EMS Coordinator will review for possible revision, this SOP at a minimum of once annually. Telephone lists will be reviewed for possible revision at least once quarterly.