

Applicant's Exhibit E-4

BUCKS COUNTY  
FIXED NUCLEAR FACILITY INCIDENT SUPPORT PLAN  
FOR  
INCIDENTS AT THE LIMERICK GENERATING STATION



NUCLEAR REGULATORY COMMISSION

Docket No. 50-352-353-01 Official Exh. No. E-4

In the matter of LIMERICK

Staff \_\_\_\_\_ IDENTIFIED ☒

Applicant ☒ RECEIVED ☒

Intervenor \_\_\_\_\_ REJECTED \_\_\_\_\_

Cont'g Off'r \_\_\_\_\_

Contractor \_\_\_\_\_ DATE 11-28-84

Other \_\_\_\_\_ WITHDRAWN Panel

Reporter mm

October 1984

BUCKS COUNTY EMERGENCY MANAGEMENT AGENCY  
ROOM 107 - ADMINISTRATION BUILDING  
BROAD AND COURT STREETS  
DOYLESTOWN, PA 18901  
TELEPHONE NUMBER: 215-348-9401

8507050019 841128  
PDR ADOCK 05000352  
G PDR

THIS PLAN SUPERCEDES ALL OTHER BUCKS COUNTY PLANS DEVELOPED FOR EMERGENCY  
MANAGEMENT IN THE EVENT OF AN INCIDENT AT THE LIMERICK GENERATING STATION.  
THIS PLAN WAS APPROVED BY THE COUNTY BOARD OF COMMISSIONERS UNDER RESOLUTION

\_\_\_\_\_ DATE: \_\_\_\_\_

BOARD OF COMMISSIONERS

\_\_\_\_\_  
CHAIRMAN COMMISSIONER - NAME

\_\_\_\_\_  
COMMISSIONER - NAME

\_\_\_\_\_  
COMMISSIONER - NAME

\_\_\_\_\_  
Charles McGill, Coordinator, Bucks County Emergency Management Agency

PROMULGATION

This fixed nuclear facility radiological emergency support plan sets forth the basic emergency management policies, responsibilities, and required preparation as prescribed by the Commonwealth of Pennsylvania, Disaster Operation Plan, Annex E, "Fixed Nuclear Facility Incidents," and federal guidance for radiological emergency response, NUREG-U654.

It provides guidance to all affected elements within the County for the preparation of detailed plans and procedures within the scope of their specialized requirements.

The Coordinator of the County Emergency Management Agency shall act on behalf of the Board of County Commissioners in the coordination and implementation of this plan. He shall periodically report to the Commissioners regarding the readiness and performance of each County and Municipal Agency, or Organization, that is tasked in the plan to discharge assigned responsibilities.

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Mr. Charles McGill, Coordinator

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DATE

Bucks County Emergency Management Agency

[illegible]



FIXED NUCLEAR FACILITY INCIDENT SUPPORT PLAN  
FOR INCIDENTS AT THE LIMERICK GENERATING STATION

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BUCKS COUNTY

FIXED NUCLEAR FACILITY INCIDENT SUPPORT PLAN  
FOR INCIDENTS AT THE LIMERICK GENERATING STATION

I. SCOPE AND AUTHORITY

A. Scope

This Fixed Nuclear Facility Support Plan:

1. Establishes policies and procedures under which the County will operate in the event of an incident at the Limerick Generating Station (LGS) located in Montgomery County.
2. Defines the roles and responsibilities of the Bucks County Office of Emergency Management and its staff in the event of an incident at the Limerick Generating Station.
3. Assures appropriate responses to protect the affected evacuated population from Montgomery County including mobilization of County forces to support necessary actions.

B. Authority

This plan is issued under the authority of and in accordance with the provisions set forth in the Pennsylvania Emergency Management Services Act of 1978, Pamphlet Law 1332, Act 323.

II. REFERENCES

- A. U.S. Nuclear Regulatory Commission and the Federal Emergency Management Agency, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," NUREG-0654, FEMA-REP-1, Rev. 1, November 1980.

- B. Commonwealth of Pennsylvania Disaster Operations Plan, Annex E, "Fixed Nuclear Facility Incidents," November 1981.
- C. Pennsylvania Emergency Management Directive No. 32, "Development of a Mass Care Operational Program," November 14, 1980.
- D. Montgomery County Radiological Emergency Response Plan for Incidents at the Limerick Generating Station, (date).
- E. Pennsylvania Code, Title 4, Part I, Chapter 3, Subchapter C, "Emergency Management Responsibilities of Departments and Agencies."
- F. Memorandum of Agreement between American Red Cross and the Bucks County Office of Emergency Management.
- G. Limerick Generating Station Emergency Plan.

### III. DEFINITIONS

- A. Central Resource Receiving Point - A designated location suitable for the receipt and distribution of supplies and equipment in an emergency.
- B. Fixed Nuclear Facility Incident (hereinafter called an "incident") - An incident is an event or condition at a fixed nuclear facility which could result in impact on public health and safety. Four incident classes have been identified; from the least serious to the most serious they are: Unusual Event, Alert, Site Emergency and General Emergency. (Note: Site or General Emergency action levels are not to be confused with a "Declaration of Disaster Emergency" made by the Governor in accordance with Pennsylvania Pamphlet Law 1332 of 1978-Act 323.) Within each class there are specific emergency responses necessary to ensure that public health and safety are protected. Descriptions of the four emergency action levels are as follows:

1. Unusual Event - Events are in process or have occurred which indicate a potential degradation of the level of safety of the plant. No releases of radioactive material requiring offsite response or monitoring are expected unless further degradation of safety systems occurs.
  2. Alert - Events are in process or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.
  3. Site Emergency - Events are in process or have occurred which involve actual or likely major failures of plant functions needed for protection of the public. Any releases are not expected to exceed EPA Protective Action Guideline exposure levels except near site boundary.
  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 can be reasonably expected to exceed EPA Protective Action Guideline exposure levels offsite for more than the immediate site area.
- C. Emergency Management - The judicious planning, assignment, and coordination of all available resources into an integrated program of prevention, mitigation, preparedness, response and recovery for emergencies of any kind whether from enemy attack, man-made or natural sources.
- D. Emergency Planning Zone (EPZ) - A generic area defined about a nuclear facility to facilitate offsite emergency planning and develop a significant response base. It is defined for plume and ingestion exposure pathways.

- E. Ingestion Exposure Pathway - That area surrounding a fixed nuclear facility which, as a result of release of radioactive material, is a potential source of exposure through the ingestion of water and/or foods such as milk or fresh vegetables originating there. The EPZ consists of a 50 mile radius circle around the fixed nuclear facility.
- F. Mass Care Center - Fixed facilities suitable for providing emergency lodging for victims of disaster left temporarily homeless and capable of providing all essential social services. Feeding may be provided within a mass care center in suitable dining facilities or nearby.
- G. Mobilize - The act of bringing a staff, department, or agency to the strength required to accomplish its mission, including the pre-positioning or movement of equipment or personnel.
- H. Municipality - For the purpose of this annex, the terms "municipality" or "municipal government" are defined as referring, singularly or collectively, to cities, boroughs, townships, and incorporated towns within the Commonwealth of Pennsylvania.
- I. Plume Exposure Pathway EPZ - The area surrounding a fixed nuclear facility which potentially is subject to radiation exposure as a result of an incident involving radioactive material emanating from the facility. Such potential exposure could involve: (a) whole body external exposure to gamma radiation from the plume and deposited materials, and (b) inhalation exposure from the passing radioactive plume. The EPZ for this pathway consists of an area approximately 10 miles in radius around the fixed nuclear facility. (The exact size and configuration of each plume exposure pathway EPZ for the respective fixed nuclear facilities in Pennsylvania were determined in relation to local emergency response needs and capabilities as they are affected by conditions such as demography, topography, access routes, and jurisdictional boundaries.)



- J. Projected Dose - An estimate of the radiation dose which affected individuals could potentially receive if protective actions are not taken.
- K. Protective Actions - An action taken to avoid or reduce a projected dose of radiation (sometimes referred to as protective measures):
1. Sheltering - Action taken by the public to take advantage of the protection against radiation exposure afforded by remaining indoors, away from doors and windows, during and following the passage of the radioactive plume.
  2. General Evacuation - The evacuation of the entire population within the plume exposure pathway EPZ.
  3. Selective Evacuation - The evacuation of specific elements of the population, such as pregnant women, pre-school age children or the infirm.
- L. Protective Action Guide (PAG) - A preestablished projected radiation dose to individuals which warrants protective actions.
- M. Radio Amateur Civil Emergency Services (RACES) and Amateur Radio Emergency Services (ARES) - Licensed volunteer radio amateur (HAM) communications personnel, equipped and affiliated with the County Emergency Management Agency.
- N. Reception Center - A predesignated site, outside the plume exposure pathway EPZ, through which evacuees will pass to obtain information and directions to mass care centers. A reception center may be located in either a risk or a support county.
- O. Risk Counties - Those counties within the plume exposure pathway EPZ of a fixed nuclear facility.

- P. Standby Status - A term used to describe the state of readiness of reception and mass care centers. The centers are in reserve readiness ready to function when called upon. Standard operating procedures have been reviewed; material, communications and required supplies are available and adequate for initial operations; and sufficient personnel are on hand to commence operations. Augmentation personnel necessary for sustained operations are alerted and ready to report for duty when called.
- Q. State of Disaster Emergency - A state of disaster emergency exists whenever the Governor issues a Declaration of Disaster Emergency. A disaster emergency shall be declared by executive order or by proclamation of the Governor at any time upon finding that a disaster has occurred or that the occurrence or the threat of a disaster is imminent. The State of Disaster Emergency continues until the Governor finds that the threat or danger has passed and terminates it by executive order or by proclamation, but no State of Disaster Emergency may continue for longer than 90 days, unless renewed.
- R. Student Pick-up Points - A predesignated location (usually a host school) located outside the plume exposure pathway EPZ of a fixed nuclear facility, where evacuated students from risk schools are transported. The students will be retained under the school officials custody until they are picked up by their parents or guardians.
- S. Support County - The county or counties outside the plume exposure pathway EPZ of a fixed nuclear facility that, through prior agreement, will provide support to a risk county in the event of an incident. Depending on the size and location, the same county may be both a risk and a support county.
- T. Traffic Control Points (TCP) - Police traffic control established at critical road junctions for the purpose of controlling or limiting traffic. TCP's are used to control evacuation movement



and also to limit access to a nuclear power facility when an emergency situation requires it.

- U. Unmet Needs - Capabilities and/or resources required to support emergency operations but neither available nor provided for at the respective levels of government.

#### IV. PURPOSE

The overall purpose of this Fixed Nuclear Facility Support Plan is to provide for the housing, feeding, medical and other social service needs for a maximum of 24,440 persons evacuated from Montgomery County in response to an incident at the Limerick Generating Station.

#### V. RESPONSIBILITIES

##### A. County Emergency Management Agency

1. In coordination with the Red Cross, develop and maintain a comprehensive plan for support of Montgomery County in the event of an incident at the Limerick Generating Station.
2. Identify county and emergency organizations and personnel resources and task them to develop procedures in support of the county plan.
3. Identify individuals assigned functional responsibilities essential to the planning and implementation of the county support plan.
4. Develop a system for alerting county and municipal government heads, emergency management agency staff, emergency forces, volunteer organizations, schools, hospitals, nursing homes, and business and industry involved in the county support plan.
5. Assure that the alert system is operable on a 24-hour basis.

6. Identify and coordinate with Montgomery County and PEMA:
  - a. Traffic control points
  - b. Reception centers
  - c. Mass care facilities
  - d. Central resource receiving point(s)
7. Coordinate the release of information to the news media with the PEMA Public Information Officer.
8. Coordinate recommendations for changes in main evacuation routes and traffic control points with PEMA, risk counties, the PSP and the Department of Transportation.
9. Establish and train a requisite number of radiological decontamination monitoring teams for mass care centers within the county.
10. Register and provide radiological monitoring of evacuees at mass care center locations within the county.
11. Maintain plans for the decontamination of evacuees at mass care centers.
12. Designate and be prepared to operate a central resource receiving point.
13. In conjunction with PEMA, coordinate plans with designated risk counties for the movement and reception of evacuees.
14. Maintain a current listing, with copy to PEMA, of any unmet personnel and equipment needs.

15. Review and update county support plans at least annually and coordinate changes with PEMA and risk counties.
16. Coordinate the reentry of evacuees with PEMA, and the risk counties.
17. Maintain records and reports acquired during an incident, prepare after-action reports.
18. Participate with risk counties in exercises conducted by PEMA.

B. Bucks County Emergency Management Staff

The responsibilities required during emergency operations, planning, and activities have been assigned to the following members of the Bucks County Emergency Operation staff. A detailed description of each staff position responsibility may be found in the Bucks County Disaster Operation Plan (DOP 1980) or the referenced SOP.

1. Board of County Commissioners

In the event that a State of Disaster Emergency is declared, the Bucks County Commissioners will assume the emergency authority outlined in state laws. They will direct and control all resources and actions required by emergency management operations. The Chairman of the Commissioners will be responsible for making all official announcements.

2. Emergency Management Director/Coordinator

The Emergency Management Director/Coordinator is responsible for the coordination of all staff activities. He will continually brief the County Commissioners and the EOC staff as to the status of the emergency and the county response.

3. Operations Officer and/or Deputy Director

The Operations Officer and/or Deputy Director is responsible for supervising and coordinating staff activities within the Operations Room. He will also assist in message dissemination.

4. Mass Care Coordinator (Welfare Division)

The Mass Care Coordinator (Welfare Division) is responsible for coordination with Red Cross personnel in the establishment of mass care centers and for reception center operations. The Mass Care Coordinator will coordinate mass care activities with the Medical Health Group and the Fire and Rescue Group for support. (See Bucks County SOP, "Emergency Activation and Operation of Mass Care Center.")

5. Security Division Chief

The Security Division Chief is responsible for the coordination of all county police organizations and operations. He is responsible for maintaining liaison with local, state, and military authorities in order to affect his duties. (See Bucks County SOP, "Security Police Service.")

6. Fire and Rescue Division Chief

The Fire and Rescue Division Chief is responsible for the coordination, and if necessary, deployment of all county fire and rescue personnel and equipment. (See Bucks County SOP, "Fire, Rescue, and Ambulance Services.")

7. The Medical/Health Division Chief

The Medical/Health Division Chief will coordinate all county, and relocated medical personnel resources, to provide primary and emergency care to evacuated persons. He will also assist

risk county staff and agencies in the relocation of patients, staff, and equipment from risk area hospitals, nursing homes, and other health care facilities. (See Bucks County SOP, "Emergency Casualty Care.")

8. The Public Information Officer

The Public Information Officer (PIO) is responsible for the dissemination of emergency information at the direction of the County Director. (See Annex F, Bucks County Disaster Operations Plan.)

9. The Transportation Division Deputy Chief

The Transportation Division Deputy Chief is responsible for coordinating all transportation resources within the county that will provide for the movement of people and supplies. (See Bucks County SOP, "Emergency Mobilization of Transportation Resources.")

10. The Technical Division Chief (RADEF)

The Technical Division Chief (RADEF) will coordinate and establish monitoring and decontamination points at each designated mass care center. He will also provide technical evaluation for situation analysis and public information dissemination. (See Bucks County SOP, "Radiological Defense Operations" and Attachments I and J of this plan.)

11. The Warning and Communications Division Chief

The Warning and Communications Chief is responsible for evaluating the receipt of all warnings and the issuance of said warnings upon coordination with the County Emergency Management Director. He also will initiate all notification, as required, of County Disaster Operations personnel and County Communica-

tions in line of succession. He is also responsible for initiating necessary actions to establish communication between county and state resources, as required.

12. County Agricultural Agent

The County Agricultural Agent will be responsible for supplying information and advice on agricultural matters. He will coordinate with State personnel on the effects of any radio-contaminants within the County's portion of the ingestion exposure pathway EPZ (50-mile radius from Limerick).

13. Trained personnel from all available resources will be utilized by the Bucks County Emergency Operations staff to the fullest extent. Trained auxiliaries and volunteer organizations will be used to augment normal government service personnel.

VI. CONCEPT OF OPERATIONS

- A. Bucks County has agreed to provide reception and mass care center support for a maximum of 24,440 evacuees from Montgomery County.

B. Evacuation

Evacuees from Montgomery County will be entering Bucks County via the following routes:

<u>Route</u>	<u>Total Number of People*</u>	<u>Number of Vehicles</u>
1. Route 113 North	9,392	3,131
2. Route 202 East	10,990	3,663
3. Pennsylvania Turnpike East	28,496	9,499

\* An estimate of 50% of this number, or 24,440 are planned to require mass care.

C. Traffic Control

Traffic Control Points (TCP) will be established to insure an orderly flow of traffic during an evacuation. The Pennsylvania State Police have identified potential bottlenecks along the major evacuation routes and are responsible for traffic control at these points. Municipal police forces are responsible for traffic control within their own municipality. The Pennsylvania Department of Transportation and the Pennsylvania Turnpike Commission will assist with the clearance of obstacles on main evacuation routes. The Pennsylvania National Guard will provide wreckers and gasoline trucks to service vehicles along major evacuation routes. Municipalities are required to provide these services within their municipality. See Appendix 3 for Bucks County TCP's and police department resources.

D. Reception Centers

1. As evacuees arrive in the County, the initial reception will be provided at the following locations (also see Attachment G):

<u>Evacuation Route</u>	<u>Reception Center</u>
a. Route 113	County Line Plaza, Souderton
b. Route 202	Montgomery Mall (Montgomery County)
c. Turnpike	Neshaminy Mall, Route 1, Langhorne

2. At the reception centers, the evacuees will be provided with instructions, directions and a strip map that will direct them to an assigned mass care center (See Appendix 7).



#### E. Transportation

Transportation of evacuees, if necessary, from the reception center to the designated mass care center will be provided in the form of busses and vans. The Bucks County Emergency Management Agency will coordinate the support of transportation requirements with appropriate risk counties. Transportation staging areas will be established in Montgomery County at (1) the North Penn School District Bus Garage in Landsdale, (2) Fort Washington Industrial Park, and (3) King of Prussia Plaza, to provide bus and ambulance support to Montgomery County\*. These facilities will be operated by Montgomery County. Bucks County will dispatch available transportation resources to each of these sites as requested by Montgomery County. (See Annex K, Bucks County Disaster Operations Plan and Bucks County SOP, "Emergency Mobilization of Transportation Resources.")

#### F. Mass Care Support

A listing of mass care facilities is contained in Appendix 4. Bucks County will accept a maximum of 24,440 evacuees from Montgomery County. The Bucks County Emergency Management Agency will notify schools designated as mass care centers of emergency action levels as per Section I below. The Bucks County Emergency Management Agency will also coordinate American Red Cross support of the designated mass care centers with the school administration for management of the mass care centers.

For sanitary reasons, pets will not be allowed inside mass care centers. Owners are responsible for arranging for their care. A listing of kennel and veterinary facilities are listed in Appendix 4, Attachment H. The Red Cross will also activate agreements with the local Humane Society, as necessary, in order to assist pet owners to the extent possible.

\* These transportation-staging areas are "proposed" at this time. Formal agreements are under development.



#### G. Decontamination Monitoring

The Bucks County Technical Division/RADEF will establish monitoring and decontamination points at mass care centers. Decontamination monitoring is required only at the direction of the Bureau of Radiation Protection (BRP). Otherwise, decontamination monitoring teams will be available to perform monitoring upon request by any evacuee. When monitoring is directed by BRP, it shall be performed before registration or admittance to the general living quarters area of the mass care center. A list of decontamination monitoring assignments and procedures for distribution of dosimetry, KI, and survey meters and other radiological exposure control procedures are located in Appendix 5.

#### H. Medical Support

The Bucks County Emergency Management Agency is responsible for providing appropriate medical support for the evacuees. A Medical Health Group Chief has been appointed to assist the Bucks County Emergency Management Agency with medical support of evacuees. The Medical Health Group Chief will coordinate with the Rescue and Transportation Services for transportation of evacuees requiring treatment. (See Annex H, Bucks County Disaster Operations Plan, and Bucks County SOP, "Emergency Casualty Care.")

Medical support service information is contained in Appendix 6 of this plan. It is planned to relocate some residents of the Frederick Mennonite Nursing Home in Montgomery County to Rockhill Mennonite Community Home in Bucks County, and some of the residents of the Montco Geriatric Center to Neshaminy Manor.

A listing of Bucks County ambulance services is provided in Appendix 6, Attachment B. These services will be notified at the time of an incident to determine the number of units available to support Montgomery County in a radiological emergency. Package Disaster Hospitals in the county will be made available to support health care facilities relocated to Bucks County.

## I. Emergency Action Level Operations

1. When an Unusual Event is declared, no actions are necessary. The County will receive no notification.
2. When an Alert emergency classification is declared, PEMA Eastern Area Headquarters will notify the County Emergency Management Agency (EMA), and the following actions will be taken:
  - a. Officially log message.
  - b. The County Communications Center notifies the County Emergency Management Coordinator or his assistant if he is not available.
  - c. Notify the Chairman of the County Commissioners.
  - d. Alert key personnel of the County EOC staff and the County American Red Cross Chapters. Selected key personnel designated by the Emergency Management Coordinator report to the EOC.
  - e. Alert Radio Amateur Civil Emergency Service (RACES).
  - f. Open radio communications nets with Montgomery County.
  - g. Establish EOC security.
3. When a Site Emergency classification is declared, PEMA Eastern Area Headquarters will notify the County EMA. Upon notification, the following actions will be taken:
  - a. Same action as for Alert.
  - b. Mobilize the County EOC staff.

- c. Mobilize appropriate fire, police, and ambulance services throughout the county.
- d. Mobilize the County Red Cross staff and alert volunteers.
- e. Place reception centers and primary mass care centers on standby status. The Mass Care Center Manager is responsible for mass care operations including the assignment of space and facilities for Decontamination Monitoring Teams and the reception center team in the event the mass care center also serves as a reception center.
- f. Distribute survey meters, dosimeters, and KI to decontamination monitoring teams.
- g. Mobilize decontamination teams and have them report to assigned locations. (Mass Care Centers include decontamination teams whether or not radiological monitoring is required.)
- h. Open RACES communications nets among the County EOC, American Red Cross, primary mass care centers and reception centers.
- i. Issue public information statements to inform the public about the situation. PEMA will coordinate information releases with the nuclear facility, Governor's Press Office, and risk and support county Public Information Officers.
- j. Notify School Districts providing mass care facilities of the emergency and reception center facility owners.
- k. Notify police to make traffic control assignments in the event of evacuation.

4. When a General Emergency classification is declared, PEMA Eastern Area Headquarters notifies the County EMA. Upon notification, the following action will be taken:
  - a. Same action as for Site Emergency.
  - b. Active County reception and primary mass care centers and place remaining mass care centers in standby status.
  - c. Man traffic control points in preparation for receipt of evacuees.
  - d. As each primary mass care center is filled, sequentially upon remaining centers.
  - e. Notify School District Superintendents of the need to utilize school facilities for mass care.
  - f. If applicable, activate the Emergency Broadcast System and make appropriate announcements.
5. Upon recommendation to initiate reentry, the following actions will be taken:
  - a. Activate traffic control points.
  - b. Announce reentry plans to evacuees in mass care centers and release appropriate public information announcements (Appendix 7, Attachment D).
  - c. Report any damages caused by the evacuation and reentry, and any extraordinary costs of operations, to the County Emergency Management Coordinator who in turn will report to the PEMA Eastern Area Headquarters.

#### J. Student Pick-Up Points/Host Schools

The Bucks County Emergency Management Agency and Bucks County have not been tasked with the reception of evacuated students from Montgomery County risk schools.

### VII. DIRECTION AND CONTROL

- A. The overall direction and control of emergency operations will be coordinated from the Bucks County Emergency Operations Center, (EOC), located at Broad and Court Streets, Doylestown, phone (215) 348-9401.
- B. Key operations personnel will be notified by the Bucks County EMA Coordinator in the event of an incident at the Limerick Generating Station which could affect Bucks County operations.
- C. Communications between the respective county emergency operations centers (EOC's), local emergency management coordinators, and reception/mass care centers, will be by telephone, RACES/ARES, and through the Bucks County Communications Center via the County police and fire radio net.

### VIII. PUBLIC INFORMATION

All public announcements will be those authorized by PEMA and made by the County Commissioners. All EBS and commercial radio and TV stations as well as newspapers will be alerted for these announcements. Facilities will be provided at the County EOC for representatives of all news media. A media listing and pre-written public information announcements are provided in Appendix 7.

### IX. CENTRAL RESOURCE RECEIVING POINT

A Central Resource Receiving Point and distribution center for food, bulk supply, and medical supplies will be established at the Doylestown Airport, Old Route 611, Doylestown.

The Bucks County EMA has appointed a Public Works Director who will coordinate with appropriate staff to operate this facility.

X. OTHER

Details of EOC staffing, Mass Care Center Operations, Radiological Operations, Red Cross, Police, and other necessary information not found in this document are contained in the current Bucks County Disaster Plan, which is on file in the Bucks County EOC.

APPENDICES



APPENDIX 1

AGREEMENTS

ATTACHMENTS:

- A - Lower Bucks County American Red Cross
- B - American Red Cross, Doylestown Branch
- C - County Line Plaza
- D - Neshaminy Mall



APPENDIX 1

ATTACHMENT A

AGREEMENT BETWEEN COUNTY OF BUCKS

(EMERGENCY MANAGEMENT AGENCY)

and

LOWER BUCKS COUNTY CHAPTER

AMERICAN RED CROSS

I. PURPOSE:

To provide for the coordination of the functions of the Bucks County EMA and the Lower Bucks Chapter of the American Red Cross with regard to disaster preparedness, planning, and operations in time of disaster.

II. AUTHORITY:

The Emergency Management Agency (EMA) has been designated pursuant to Section 7317 (7) of Act 323, November 1978, the Emergency Management Act, as the coordinating agency for disaster operations. In coordinating these operations, the EMA will cooperate with agencies established by laws of the United States and the Commonwealth of Pennsylvania. The American Red Cross (ARC) through its Lower Bucks Chapter, under United States Public Law 4, 58th Congress (reaffirmed by PL 93-288, 93rd Congress, Disaster Relief Act of 1974) is charged for "carrying on a system of disaster relief and applying the same in mitigating the suffering caused by pestilence, famine, fire, floods, and other great calamities."

III. SCOPE OF ACTIVITY EMERGENCY MANAGEMENT AGENCY

- A. Emergency Management Agency will devote its primary efforts to the dissemination of warnings, human rescue, emergency medical care, evacuation, maintenance of law and order, fire fighting and other property protection measures. Where emergency welfare needs are not being met, EMA will, as necessary and practical, provide initial emergency care and other vital assistance immediately required by people in need.
- B. Emergency Management Agency will devote its primary efforts to the coordination of federal, state, and local efforts aimed at the maintenance of public health, and the restoration of essential public facilities and services, the latter including the repair or rebuilding of public water supply systems, hospitals, bridges, highways and schools.
- C. Emergency Management Agency will act as a coordinating agency.

#### IV. SCOPE OF ACTIVITY AMERICAN RED CROSS

The ARC Disaster Service, as defined by the organization's operational procedures mitigates suffering by meeting the urgent needs of victims and emergency workers immediately after a disaster has struck or in advance of a potential disaster. ARC help includes food, clothing, shelter, first aid, and other basic elements for comfort and survival. Such help may be provided to large numbers of people in ARC-operated shelters, at either fixed or mobile ARC feeding stations, or at ARC emergency first aid stations, or it may be provided as individualized assistance to families who are able to return to or stay in their own homes, or who may be able to live temporarily elsewhere. Such help to individual families may include not only the types of assistance listed above but also other urgently-needed items which will help them to resume normal living patterns as quickly as possible. Families in ARC shelters are assisted in moving back to their homes, or to alternate homes if their own are untenable, as quickly as possible.

Arrangements are made for those victims who need additional medical care to receive that care at the nearest available medical facility. When necessary, the ARC augments local medical personnel and equipment and provides needed blood and blood products.

The ARC handles welfare inquiries from concerned families outside the disaster area.

The ARC also helps disaster victims needing long-term recovery assistance by advising and counseling them on the availability of resources so that they can resume living in keeping with acceptable standards of health, safety, and human dignity. Such resources include those of the family as well as those of federal, state, and local agencies, public and private, with disaster loan or grant programs or with sustaining programs that would benefit the victims.

In addition, if there are no other resources available the ARC may provide direct additional assistance to enable the victims to re-establish themselves.

The ARC disaster responsibilities, as defined above, are nationwide. Therefore, when the divisions and chapters in the affected areas are unable to meet the needs of disaster victims, the resources of the total organization are made available.

All disaster assistance from the ARC is based on verified disaster-caused need and is an outright grant.

The ARC will conduct an appeal for voluntary contributions of funds at the time of disaster.

In accordance with PL 93-288, the Disaster Relief Act of 1974, the ARC will cooperate with all federal, state, and local agencies who have any responsibility for rendering disaster relief assistance to disaster victims. The ARC is willing to accept commissions from governments and

coordinate its relief effort with designated agencies. This may include acting as an agent for governmental units under mutually agreed-upon conditions.

#### A. GENERAL

1. The ARC will respond to any disaster, regardless of the number of families involved.
2. The ARC will offer its services to the families involved. The families will be the judge of whether ARC services are needed.
3. ARC/EMA are interdependent as a result of this agreement, but each agency functions according to its own operational guidelines.
4. For any operation large enough for establishment of an Emergency Operations Center, the ARC will provide an experienced representative to represent the ARC and EUC.
5. During mass evacuation of the populace, the ARC will assign a minimum of one staff member to the evacuation team to insure that evacuees are being routed to appropriate shelters. ARC volunteers may be provided upon request of the authorities to assist in the evacuation staging process.

#### B. SPECIFIC RESPONSIBILITIES

1. The ARC disaster representative will represent the Chapter in all mass care planning of the EMA.
2. All disaster planning will take into account the cooperative and mutually-supporting nature of the two organizations.
3. Training. The ARC is responsible for recruiting and training volunteers to fulfill ARC functions throughout its jurisdiction. The EMA is responsible for recruiting and training volunteers to fulfill EMA functions throughout the county. Both organizations will keep each other informed regarding available training opportunities. In cases where both organizations offer identical training, efforts will be made to avoid duplication by granting reciprocity in a separate agreement.
4. Alerting and notification: The ARC requires early notification in order to be able to respond adequately to disasters of all kinds. The chapter will supply the EMA with a list of key personnel and their phone numbers to be used as a backup alerting system. The EMA will notify the Chapter's disaster chairman of the occurrence of any disaster according to guidelines established in a separate agreement. Notification of the ARC will be written into all EMA plans and guidelines at the warning stage so that the chapter will have time to respond adequately.

## V. DISASTERS RESULTING FROM ENEMY ACTION

- A. The responsibility for all public and community needs rests with government and government agencies.
- B. Government will assume financial responsibility and will operate in accordance with existing EMA policy and procedures.
- C. The ARC will use its facilities and personnel to support and assist welfare and emergency operations activities of the EMA to the extent possible while carrying out its other essential responsibilities and assignments. ARC can only support and assist the county, within the limits of ARC resources and other priority obligations. The ARC will, to the extent feasible, recruit and train volunteers to provide nursing assistance, first aid, and assistance with mass care and social services. Disposition and use of all possible ARC resources, human and material, at state and local levels, will be subject to prior agreements made between the appropriate government and ARC agencies at their respective levels.

## VI. DISASTERS RESULTING FROM CIVIL STRIFE

Refer to the ARC 3004 dated March 1974. ARC functions only as a participating agency and it is expected that the government will finance the costs.

## VII. MAN-MADE DISASTERS INCLUDING NUCLEAR INCIDENTS

ARC 3003 - Administrative Regulations (Revised February 1979) paragraph K pertains. In disasters with company or owner liability implications, the customary emergency services are extended on either a mass care basis or to individuals and families, if such help is not or cannot be provided immediately by the owner of the property involved, after such unpredictable catastrophes as collapse of private dams, fires and explosions in industrial and commercial plants, mine accidents, commercial transportation wrecks, and fires in hotels, theaters, and nightclubs and on pleasure boats.

- A. Individual assistance, including temporary maintenance, transportation, clothing, and payment of special-duty nurses, shall be provided only after determining with responsible representatives of the company or owner whether they are prepared to meet the continuing needs of persons affected by the disaster. Competent legal guidance, which is often available from volunteers, should be sought so that the form in which Red Cross assistance is given does not jeopardize claims for damage by the disaster victims.
- B. Additional assistance with disaster-caused individual needs is provided by the Red Cross only when it is determined that insurance or other assets of the company or owner are inadequate or cannot be applied for relief of the persons affected because of under-insurance, bankruptcy, or protracted litigation, for example, and that no governmental or other resources are available. The program for such recovery assistance shall be planned in consultation with, and the approval of, the Vice President for Disaster Services.

- C. Reimbursement for the cost of Red Cross assistance from persons who subsequently receive settlements shall not be sought, but voluntary financial donations may be accepted.
- D. Reimbursement from companies involved for the cost of Red Cross emergency assistance shall not be sought, but voluntary financial donations may be accepted.
- E. ARC 3003, revised February 1979 provides Chapters with the authority to aggressively pursue and enact agreements with appropriate agencies.



APPENDIX 1

ATTACHMENT A

RED CROSS AGREEMENT, LOWER BUCKS

County of Bucks

By:

Elaine P. Zettick  
Elaine P. Zettick, Chairman  
Commissioners

William F. Randon  
Signature

Andrew L. Warren  
Andrew L. Warren, Commissioner

William F. Randon  
(Printed Name)  
Director, Lower Bucks Chapter  
American National Red Cross  
Bucks County, Pennsylvania

Carl F. Fonash  
Carl F. Fonash, Commissioner

11/14/83  
(Date)

Attest:

David G. Steinbach  
David G. Steinbach, County Chief Clerk

Charles L. McMill  
Signature

Charles L. McMill  
(Printed Name)  
Emergency Management Coordinator  
Bucks County, Pennsylvania

11/12/83  
(Date)

APPENDIX 1  
ATTACHMENT B  
RED CROSS AGREEMENT, DOYLESTOWN BRANCH  
STATEMENT OF UNDERSTANDING  
Between the  
COUNTY OF BUCKS  
And the  
SOUTHEASTERN PENNSYLVANIA CHAPTER  
AMERICAN RED CROSS  
With Respect To  
RESPONSIBILITY FOR DISASTER RELIEF

I. PURPOSE

To provide for the coordination of the functions of the Bucks County Office of Emergency Preparedness (as the representative of the government of Bucks County, Pennsylvania) and the Southeastern Pennsylvania Chapter, American Red Cross with regard to disaster preparedness, planning, and operations in time of disaster.

II. LEGAL AUTHORITY

- A. The Bucks County Office of Emergency Preparedness designated, pursuant to Chapter 75 of Act 1978-323 (The Emergency Management Services Code), as the coordinating agency for disaster operations within Bucks County, Pennsylvania. This Department carries out certain legal responsibilities of Bucks County Government during disasters. In coordinating these operations, it will cooperate with agencies and government entities established by laws of the United States and the Commonwealth of Pennsylvania.
- B. The American Red Cross, through the Southeastern Pennsylvania Chapter (referred to hereinafter as Red Cross), under United States Public Law 4, 58th Congress reaffirmed by Public Law 93-288, 93rd Congress (The Disaster Relief Act of 1974), is charged with the responsibility to "... continue and carry on a system of national and international relief in time of peace and apply the same in mitigating the sufferings caused by pestilence, famine, fire, floods, and other great national calamities."

III. OBJECTIVES

A national disaster is defined as an occurrence such as hurricane, tornado, storm, flood, high water, wind-driven water, tidal wave, earthquake, drought, blizzard, pestilence, famine, fire, explosion, building collapse, transportation wreck, industrial accident, or other situations that cause human suffering or creates human needs that the victims cannot alleviate without assistance. The common objective of all operations necessitated by natural disasters, including those carried out by the Office of Emergency Preparedness, the Red Cross, and other public and private organizations, is to keep loss of life and property to an absolute minimum and to reestablish the maximum degree of day-to-day normalcy at the earliest possible moment. Realization of this objective requires full and complete coordination of the plans, programs, and activities of all organizations which may be called upon to render assistance in combating the effects of natural disasters. Essential facts concerning the coordination and cooperation between the Office of Emergency Preparedness and the Red Cross are summarized in the paragraphs which follow.

#### IV. SCOPE OF ACTIVITY

##### A. Bucks County Office of Emergency Preparedness and Medical Services

This Office will devote its primary efforts to the dissemination of warnings, and the coordination of rescue operation, emergency medical care, evacuation, maintenance of law and order, fire fighting, and other life and property protection measures.

##### B. Southeastern Pennsylvania Chapter, American Red Cross

1. Red Cross mitigates suffering by meeting the urgent needs of disaster victims and emergency workers immediately after a disaster has struck or in advance of a potential disaster.
2. Red Cross immediate help includes food, clothing, shelter, first aid, and other basic elements for comfort and survival.
  - a. This help may be provided to large numbers of people in Red Cross operated shelters, at either fixed or mobile feeding stations, and/or at Red Cross Emergency First Aid Stations.
  - b. This help is not limited to the types of assistance listed below, but may also include other urgently needed items which will help families to resume normal living patterns as quickly as possible.
  - c. Families in Red Cross shelters are assisted in moving back to their homes (or to alternate homes if their own are untenable) as quickly as possible.
3. Red Cross also helps disaster victims needing long-term recovery assistance by advising and counseling them on the availability of resources so that they can resume living within acceptable standards of health, safety, and human dignity.
  - a. Such resources include those of the family as well as those of other public and private agencies and organizations.
  - b. If no other resources are available, Red Cross may provide direct additional assistance in accordance with American Red Cross guidelines to enable the victims to re-establish themselves.
4. Arrangements are made for those victims who need medical care to receive that care at the nearest available medical facility when Red Cross facilities are not adequate to meet the person's needs.
5. Upon request from the Office of Emergency Preparedness, and when the Red Cross resources are adequate, Red Cross will arrange to augment local medical personnel, equipment, and supplies.
6. Upon request from the Office of Emergency Preparedness and when local resources are not adequate, Red Cross will arrange for needed blood and blood products through the nearest Red Cross Blood Center.
7. The Red Cross handles welfare inquiries from concerned individuals and families outside the disaster area, who are related to individuals and families inside the disaster area.



IV. SCOPE OF ACTIVITY - (cont'd)

B. Southeastern Pennsylvania Chapter, American Red Cross (Cont'd)

8. All disaster assistance from Red Cross is based on verified disaster-caused need, and is an outright grant. No repayment is ever requested of any disaster victim.
9. The Red Cross will conduct an appeal for voluntary contributions of funds at the time of disaster.
10. In accordance with Public Law 93-288 (The Disaster Relief Act of 1974), the Red Cross will cooperate with all federal, state and local agencies who have any responsibility for rendering disaster relief assistance to disaster victims.
  - a. The Red Cross is willing to accept commissions from governments and coordinate its relief efforts with designated agencies.
  - b. Under mutually agreed upon conditions, Red Cross is willing to act as an agent for government in carrying out certain relief activities.

V. SPECIFIC RESPONSIBILITIES

A. Pre-Planning

1. The Director of the Office of Emergency Preparedness (or his/her designee) will represent the Office of Emergency Preparedness as a member of the Red Cross Disaster Committee.
2. The Red Cross Disaster Service Director (or his/her designee) will represent the Chapter in appropriate planning conducted by the Office of Emergency Preparedness.
3. All disaster planning of the Office of Emergency Preparedness and the Red Cross will take into account the cooperative and mutually supportive nature of the two organizations.
4. Both the Office of Emergency Preparedness and the Red Cross will seek opportunities to formalize agreements with other agencies and organizations that will further the objectives of this agreement and improve the abilities of both agencies to deal with the effects of disasters.
  - a. The Red Cross seeks and welcomes cooperation from other agencies and organizations in carrying out its responsibilities and seeks to serve as a channel for the generosity of the American people.

B. Training

1. The Office of Emergency Preparedness is responsible for recruiting and training volunteers to fulfill the Office of Emergency Preparedness functions through Bucks County.

V. SPECIFIC RESPONSIBILITIES (Cont'd)

B. Training (Cont'd)

2. The Red Cross is responsible for recruiting and training volunteers to fulfill Red Cross functions throughout Bucks County.
3. Both the Office of Emergency Preparedness and the Red Cross will keep each other informed regarding available training opportunities.
4. In cases where both organizations offer identical training, efforts will be made to avoid duplication of effort by granting reciprocity in a separate agreement. Dual certification will not be available under the provisions of this paragraph.

C. Alerting and Notification of Disaster Occurrence or Threat

1. The Red Cross requires early notification of any disaster in order to be able to respond adequately and in a timely fashion.
  - a. Notification of the Red Cross will be written into all Emergency Management plans and guidelines at the "WARNING" stage for weather-related and other disasters which develop over a finite period of time.
  - b. Notification of the Red Cross of disasters requiring evacuation or potential evacuation of the populace will be made as soon as the dispatch of fire and ambulance units is complete.
  - c. Red Cross and Office of Emergency Preparedness communications systems will be coordinated and used to the fullest extent in support of relief efforts.

D. Financial Support of Disaster Operations

1. Funding for the Office of Emergency Preparedness is provided in the Bucks County Government budget, which is tax-supported.
2. Funding for Red Cross operations is provided in annual budget, the funds for which are derived entirely from public contributions.
3. When the magnitude of the disaster is such that it goes beyond the scale of planning for the annual Red Cross budget, the Red Cross will immediately launch an appeal for relief funds. (See Appendix A, American Red Cross Administrative Regulations (ARC 3003), page A-11, "Administrative Regulations Relating to Contributions", paragraph A.)
4. The Bucks County Commissioners may designate by public proclamation that the Red Cross is the principle fundraising agency for the relief and rehabilitation of disaster victims. This action will be initiated by the Red Cross at such times that Red Cross deems necessary.

## V. SPECIFIC RESPONSIBILITIES (Cont'd)

### E. Disasters with Third Party Liability Implications

1. The Red Cross Regulations which apply are found in Appendix A, American Red Cross Administrative Regulations (ARC 3003), page A-4, paragraph K and subparagraph K-1 through K-4.
2. Red Cross emergency mass care activities will be undertaken in response to notification by the Office of Emergency Preparedness, but without resolving the questions of possible third party liability for the expenses.

### F. Disaster Resulting from Enemy Action

1. Because of distinct legal and operations differences, Red Cross and Office of Emergency Preparedness responsibilities in time of civil disorder are not treated as part of this agreement.
2. Red Cross responsibilities during civil disorder are treated in a separate document, American Red Cross Policy Position in Situations Caused by Civil Disorder (ARC 3004), attached here as Appendix B for information purposes only.

### G. General

1. The Red Cross will respond to any disaster in which human needs are created, regardless of the number of families or individuals involved.
2. The Red Cross will offer its services to families affected by the disaster. Each family will be the sole judge of whether those Red Cross services are to be accepted.
3. The Office of Emergency Preparedness and Red Cross are inter-dependent as a result of this agreement, but each agency functions according to its own operational guidelines.
4. Red Cross and the Office of Emergency Preparedness are fiscally responsible for their separate phases of any operation even though specific functions may be delegated by one to the other for convenience and efficiency.
5. In any operation large enough for establishment of an Emergency Operations Center (EOC), one or both of the following steps will be taken.
  - a. Red Cross will provide an experienced representative to represent the Red Cross function in the EOC.
  - b. The Mass Care Staff and function will move into the Red Cross Headquarters to allow for close liaison.

V. SPECIFIC RESPONSIBILITIES (Cont'd)

G. General (Cont'd)

6. In any mass evacuation of the populace
  - a. The Office of Emergency Preparedness will designate which shelters and other mass care facilities are in a "safe zone" and may be used for mass care.
  - b. Red Cross will assign a minimum of one staff member to the evacuation team to insure that evacuees are being routed to appropriate shelters.
7. Red Cross may supply personnel to carry out non-Red Cross functions only after it has been determined that those individuals are not needed to carry out Red Cross' primary responsibilities.

VI. APPENDICES

Changes in Red Cross policies, regulation, or guidelines which affect the information contained in the appendices but which do not affect the content or intent of this agreement may be appended to this agreement without necessitating renewal or revision of this agreement.

VII. TERM OF AGREEMENT

- A. The agreement shall remain in effect until such time as it may be cancelled by 30 days written notice by either Bucks County Government or Red Cross.
- B. This agreement shall be reviewed and, if necessary, revised in 1984 and every four years thereafter.

County of Bucks

By:

Elaine P. Zettick, Chairman  
Commissioners

Andrew L. Warren  
Andrew L. Warren, Commissioner

Carl F. Fonash  
Carl F. Fonash, Commissioner

Attest:

David G. Steinbarn  
David G. Steinbarn, County Chief Clerk

Charles L. McGill  
Signature

CHARLES L. MCGILL  
(Printed Name)  
Emergency Management Coordinator  
Bucks County, Pennsylvania

(Date)

For the Southeastern Pennsylvania Chapter  
American Red Cross:

W. Bruce Beaton, Jr.  
W. Bruce Beaton, Jr., Chairman  
Chapter Disaster Services

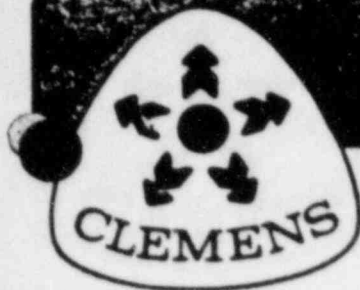
William L. Hamelau  
Assistant Executive Director  
Administration

James R. Hardeman  
James R. Hardeman  
Director, Disaster Services



# CLEMENS MARKETS

offices • 616 EAST MAIN ST., BOX 587, LANSDALE, PENNSYLVANIA 19446 • phone (215) 855-9960



July 28, 1983

Mr. Charles L. McGill, Coordinator  
Bucks County Emergency Management Agency  
Broad & Court Streets  
Doylestown, Pennsylvania 18901

Dear Mr. McGill:

This letter serves to confirm your request to utilize a portion of the parking area of the County Line Plaza for the purpose of serving as a reception center in the event of an emergency at the Limerick Generating Station which would require an evacuation of the general public.

In order to arrange for the use of these facilities at the time of an emergency, please contact R. Carl Rhoads at (215) 855-9960.

Sincerely,

A handwritten signature in dark ink, appearing to read "R. Carl Rhoads". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

R. Carl Rhoads  
Secretary/Treasurer

RCR/gld

APPENDIX 1

ATTACHMENT D

August 16, 1983

Mr. Charles McGill  
BUCKS COUNTY EMERGENCY MANAGEMENT AGENCY  
Broad and Court Streets  
Doylestown, PA. 18901

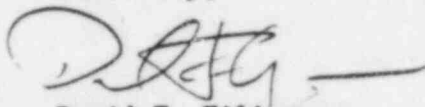
RE: NESHAMINY MALL

Dear Mr. McGill:

This letter serves to confirm your request to utilize a portion of the parking area of the Neshaminy Mall specifically designated in the attached map for the purpose of servicing as a reception center in the event of an emergency at the Limerick Generating Station which would require an evacuation of the general public.

In order to arrange for the use of these facilities at the time of an emergency, please contact David F. Filippone at 215-357-6100.

Sincerely,

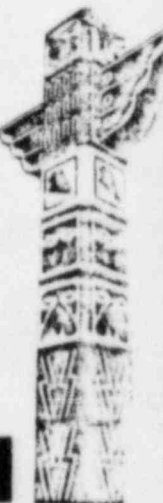


David F. Filippone  
General Manager

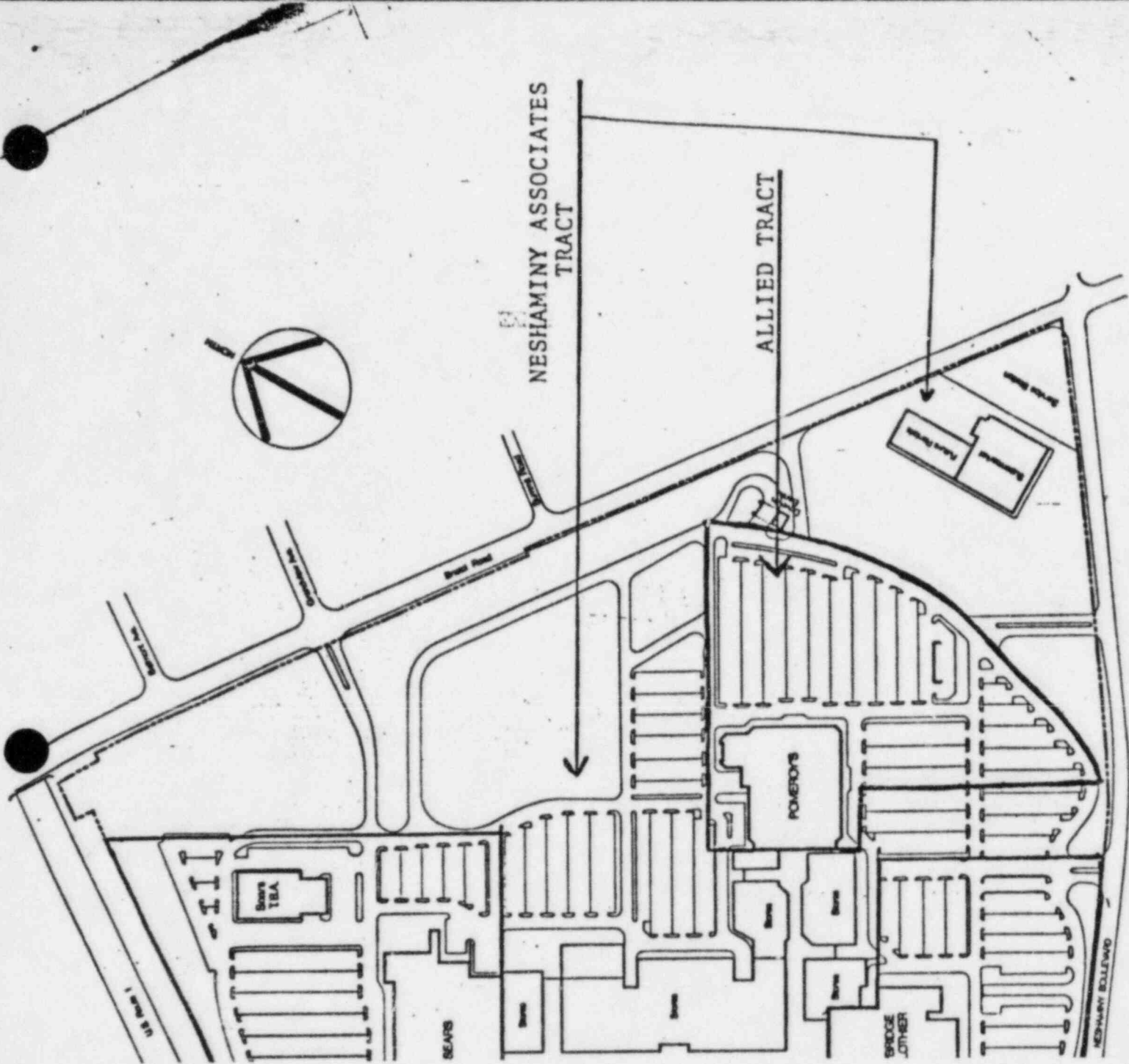
DFF/ng

cc: Robert J. Riviezzo  
Strouse, Greenberg & Co., Inc.

**Neshaminy Mall**







NESHAMINY ASSOCIATES  
TRACT

ALLIED TRACT

POWER'S

SUN'S  
TELA

BRIDGE  
LOTHER

SEAS

1 mile 100

OAKLEY AVENUE

SUN'S ROAD

## APPENDIX 2

### ORGANIZATION

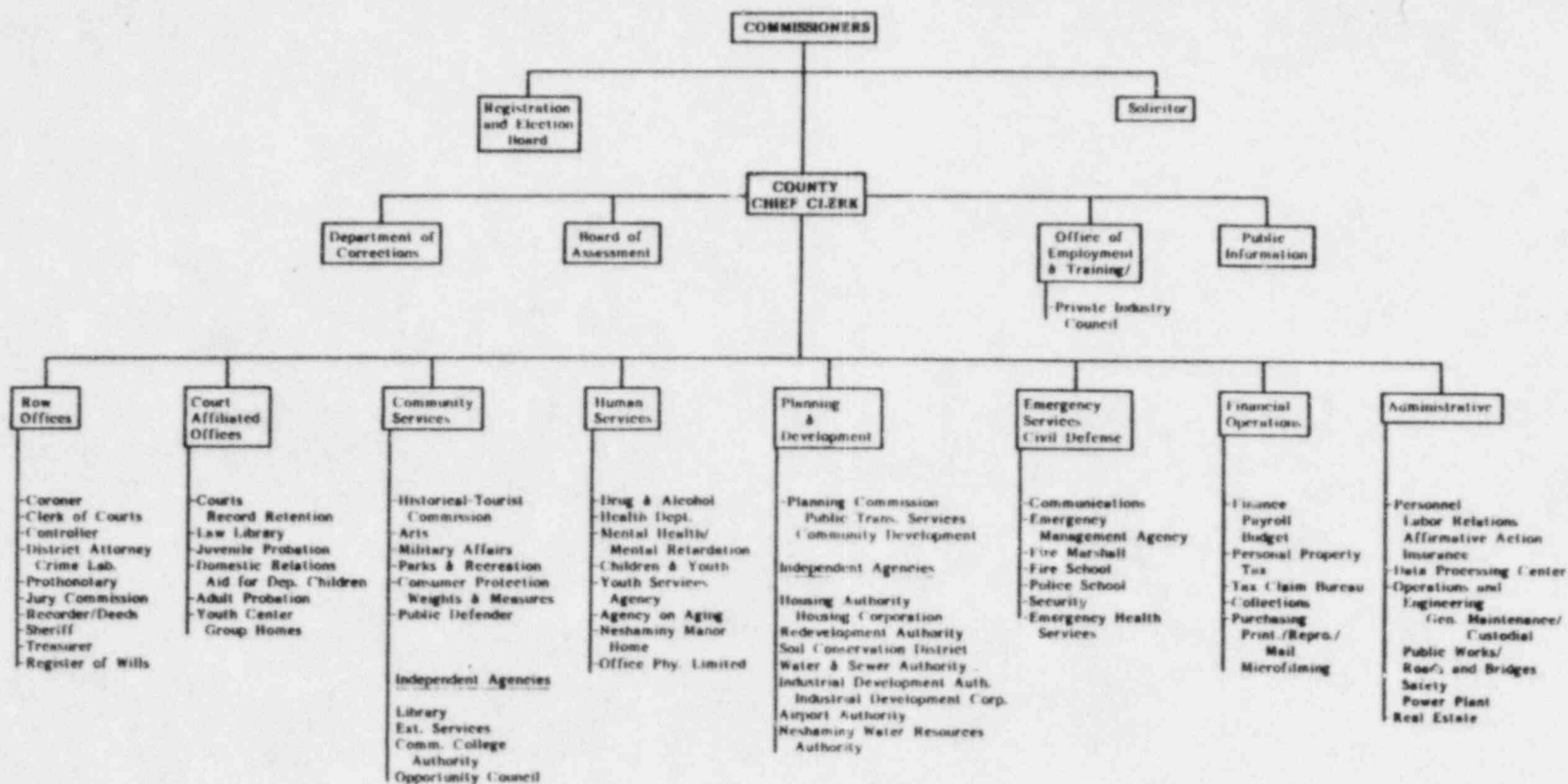
#### ATTACHMENTS:

- A - County Organizational Chart
- B - Emergency Management Agency Organizational Chart
- C - Emergency Operations Center Layout
- D - Alignment of Services and Responsibilities

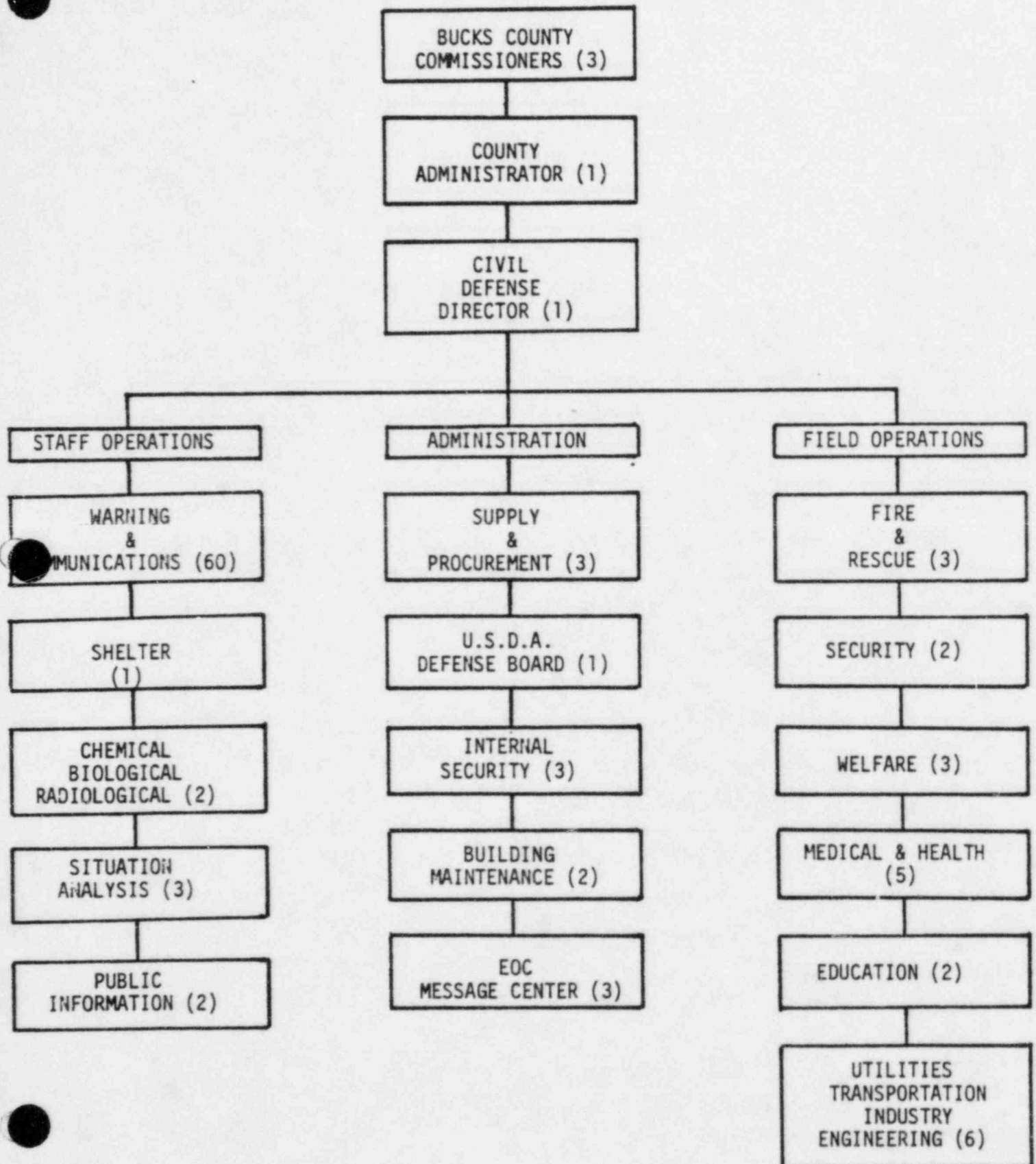
## APPENDIX 2

### ATTACHMENT A

# COUNTY ORGANIZATIONAL CHART

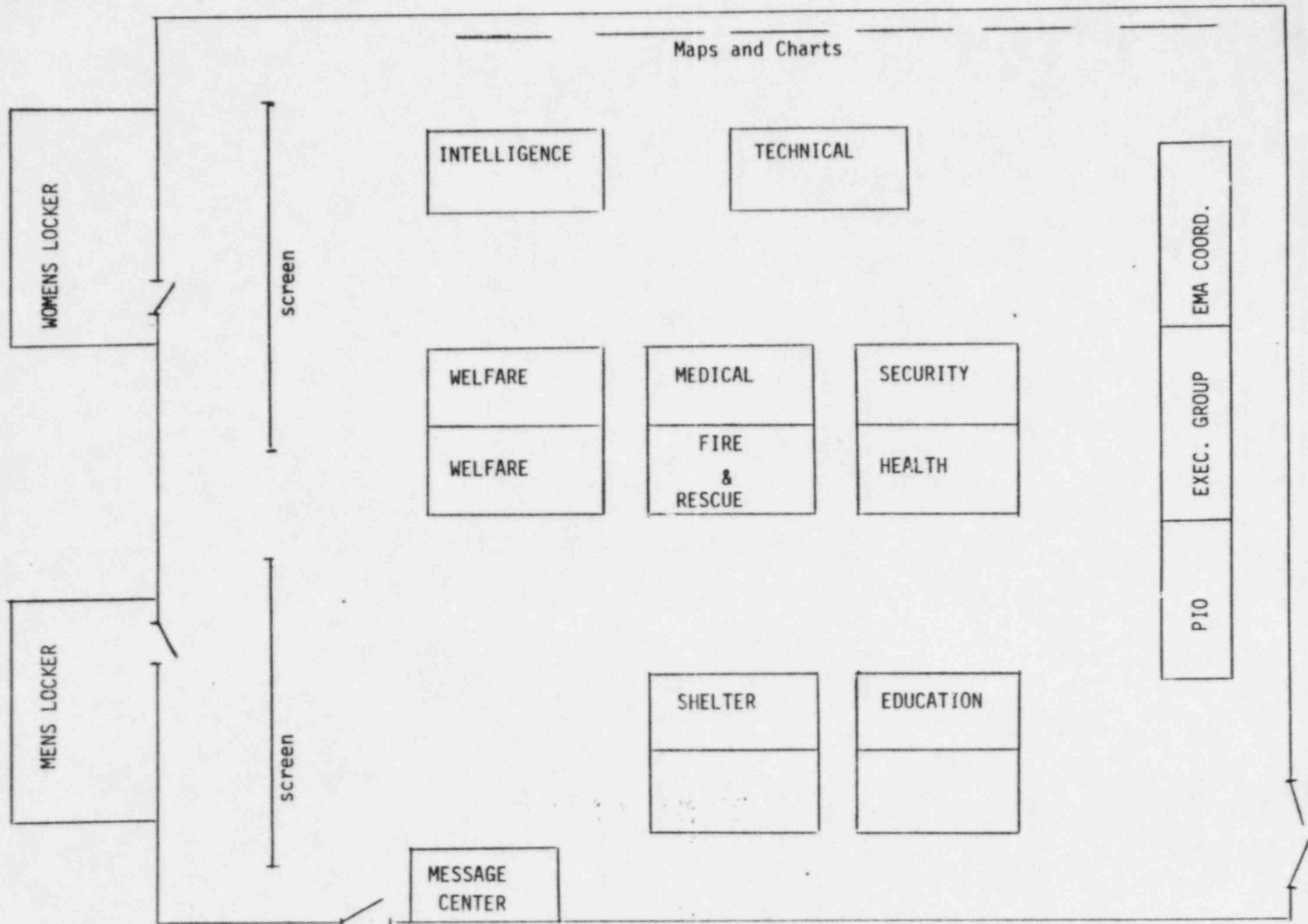


## ATTACHMENT B

BUCKS COUNTY EMERGENCY MANAGEMENT AGENCY  
EMERGENCY OPERATIONS ORGANIZATION

JURY LOUNGE BUCKS COUNTY ADMINISTRATION BUILDING

2-C-1



APPENDIX 2

ATTACHMENT D

ALIGNMENT OF SERVICES AND RESPONSIBILITIES

<u>Emergency Services</u>	<u>Direction</u>	<u>County Dept. of Agency of Private Group</u>
Continuity of Government	Chairman, County Board of Commissioners	County Commissioners; Solicitor, Chief Clerk, Judges: District Attorney
Chaplains	Clergymen appointed by County Director	Council of Churches; local churches
Hqa. Service Unit	County Emergency Manage- ment Agency Director	County Emergency Management Agency Fire Department
Welfare	Executive Director American Red Cross	Volunteer Agencies
Security	Sheriff	County Sheriff's Department
Utilities, Transportation, Industry and Engineering	Appointed by County Emergency Management Agency	PECo, PP & L, Bell Telephone
Medical	Director County Depart- ment of Health	Division of Disaster Medicine; Coroner; Hospital Staffs; Auxiliaries
Fire and Rescue	Fire Marshal	Fire Dept. Volunteer Fire Association Ambulance & Rescue Unit Association
Education	Superintendent of Intermediate Unit #22	Intermediate Unit; School District Superintendents
Manpower	County Representative, Pa. State Department of Employment Security	Pa. State Department of Employment Security; AFL-CIO
Supply	County Purchasing Agent	County Government



EOC Service	County Building Supt.	County Government
EOC Message Center	County Emergency Management Agency Director	County Government
Warning and Communications	Director County Communications	Police, Fire, RACES, Broadcast Stations, Bell Telephone Company
Intelligence	County Planning Commission	Fire, Police, State Highway Dept., News Media
Technical	Appointed by County Director	
Shelter	Training and Operations Officer, County Emergency Management Agency	County Emergency Management Agency

#### County Departments or Agency, or Private Groups

1.

- A. Pennsylvania Department of Health, Education and Welfare
- B. U. S. Post Office Department
- C. U. S. Department of Agriculture
- D. Bucks County USDA Defense Council
- E. American Red Cross
- F. Salvation Army
- G. Mennonite Disaster Service

2.

- A. Bell Telephone Company
- B. Philadelphia Electric Company
- C. Pennsylvania Power and Light Company
- D. Lower Bucks County Industrial Mutual Aid Association
- E. Delaware River Ports Council for Emergency Operations
- F. Premdop

APPENDIX 3

TRAFFIC CONTROL

ATTACHMENTS:

- A - Bucks County Traffic Control Points
- B - Bucks County Police Departments

APPENDIX 3

ATTACHMENT A

BUCKS COUNTY TRAFFIC CONTROL POINTS

<u>ROUTE/ LOCATION</u>	<u>POST NUMBER</u>	<u>NUMBER OF MEN</u>	<u>RESPONSIBLE POLICE ORGANIZATION</u>
Rt. 309 & Rt. 113	1	3	Hilltown Township
Rt. 113 & Rt. 313	2	1	Hilltown Township
Rt. 313 & Fifth Street	3	1	West Rockhill Twp.
Fifth St. @ Pennridge HS	4	1	Perkasie Boro
Rt. 563 & Rt. 313 (@ park)	5	1	West Rockhill Twp.
Rt. 563 & Rt. 412	6	1	Nockamixon Township
Rt. 412 @ Palisades HS	7	1	Nockamixon Township
Rt. 202 & Bristol Road	8	1	Chalfont Boro
Rt. 202 @ CB West HS	9	2	Doylestown Boro
Rt. 202 & Rt. 313	10	1	Doylestown Towship
Rt. 202 & Rt. 263 (Buck. Vil.)	11	1	Buckingham Township
Rt. 202 & Holicong Road	12	1	Buckingham Township
Rt. 179 @ NH HS	13	1	New Hope Boro
Rt. 611 & Bristol Road	14	2	Warrington Township
Rt. 1 @ Neshaminy Falls	15	1	Middletown Township
Rt. 1 & Rt. 413 (Langh.)	16	1	Langhorne Manor Boro
Rt. 413 @ Neshaminy Jr. High	17	1	Middletown Township
Rt. 413 @ Newtown Bypass	18	1	Middletown Township
Rt. 413 Bypass & Rt. 532	19	1	Northampton Township
Rt. 413 Bypass & C. R. HS	20	1	Newtown
Rt. 532 & Middle Holland Road	21	1	Northampton Township
Rt. 132 (Street Road) & Centennial Road	22	2	Warminster Township
Rt. 132 & Hulmeville Road	23	2	Bensalem Township
Rt. 1 @ Oxford Valley Road	24	2	Middletown Township
Oxford Valley Road and Southway Drive	25	2	Falls Township
Rt. 413 & New Falls Road	26	1	Bristol Township
Rt. 413 @ Delhaas HS	27	1	Bristol Township
Rt. 413 & Rt. 13	28	2	Bristol Township

APPENDIX 3

ATTACHMENT B

BUCKS COUNTY POLICE DEPARTMENTS

<u>NAME</u>	<u># OF VEHICLES</u>	<u>PA STATE POLICE SUPPORT IF PART TIME</u>
1. Bedminster Twp. PD (P)* R.D. #1, Ottsville, PA 795-2931	1	Dublin Barracks
2. Bensalem Twp. PD 3800 Hulmeville Rd. Cornwells Heights, PA 639-3700	40	
3. Bridgeton Twp. PD Marienstein Rd. Upper Black Eddy, PA 982-5411	1	
4. Bristol Boro PD Bristol, PA 788-7811	6	
5. Bristol Twp. PD 2501 Oxford Valley Rd. 949-2000	40	
6. Buckingham Twp. PD Box 443 Buckingham, PA 794-8811	5	
7. Chalfont Boro PD Chalfont, PA 822-0809	2	
8. Doylestown Boro PD 57 West Court Street Doylestown, PA 348-4680	5	
9. Doylestown Twp. PD 425 Wells Rd. Doylestown, PA 348-4200	9	

\*(P) indicates part time service

	<u>NAME</u>	<u># OF VEHICLES</u>	<u>PA STATE POLICE SUPPORT IF PART TIME</u>
10.	Dublin Boro PD (P) Dublin, PA 348-3524	2	Dublin Barracks
11.	East Rockhill Twp. PD (P) Ridge Rd., MR 1 Perkasie, PA 257-4163	3	Dublin Barracks
12.	Falls Twp. PD 285 Yardley Ave. Fallsington, PA 949-2100	18	
13.	Hilltown Twp. PD Box 114 Hilltown, PA 795-2931	4	
14.	Hulmeville Boro PD (P) 109 Pennsylvania Ave. Hulmeville, PA 945-3100	2	Trevose Barracks
15.	Ivyland Boro PD (P) 114 Blair Mill Rd. Hatboro, PA 343-0100	1	Trevose Barracks
16.	Langhorne Manor Boro PD (P) 618 Hulmeville Ave. Langhorne, PA 945-3100	1	Trevose Barracks
17.	Lower Makefield Twp. PD 1100 Edgewood Rd. Yardley, PA 493-4011	11	
18.	Lower Southampton Twp. PD 1500 Desire Ave. Feasterville, PA 357-1234	13	
19.	Middletown Twp. PD 700 New Rodgers Rd. Levittown, PA 949-1000	17	

	<u>NAME</u>	<u># OF VEHICLES</u>	<u>PA STATE POLICE SUPPORT IF PART TIME</u>
20.	Morrisville Boro PD 35 Union Street Morrisville, PA 945-3100	3	
21.	New Britian Boro PD 56 Keely Ave. New Britian, PA 348-3524	3	
22.	New Britian Twp. PD Municipal Bldg., Route 152 Chalfont, PA 348-3524	7	
23.	New Hope Boro PD Box 244, New Hope, PA 598-7121	3	
24.	Newtown PD Box 285, Newton, PA 298-7121	4	
25.	Nockamixon Twp. PD Box 98, Upper Black Eddy, PA 795-2931	3	
26.	Northampton Twp. PD 55 Township Rd. Richboro, PA 357-8700	14	
27.	Penndel Boro PD Bellevue & Woodland Aves. Penndel, PA 945-3100	2	
28.	Perkasie Boro PD 311 South Ninth Street Perkasie, PA 257-2022	3	
29.	Plumstead Twp. PD (P) Plumsteadville, PA 766-8740	2	Dublin Barracks
30.	Quakertown Boro PD Quakertown, PA 536-5000	4	



	<u>NAME</u>	<u># OF VEHICLES</u>	<u>PA STATE POLICE SUPPORT IF PART TIME</u>
31.	Riegelsville Boro PD (P) Box 277 Riegelsville, PA 982-5411	1	Dublin Barracks
32.	Sellersville Boro PD 140 East Church Street Sellersville, PA 257-2444	2	
33.	Silverdale Boro PD (P) c/o Boro Mayor Silverdale, PA 766-8740	1	Dublin Barracks
34.	Solebury Twp. PD Sugan Rd., P.O. Box 139 Solebury, PA 598-7121	2	
35.	Springfield Twp. PD Township RD Pleasant Valley Star RT Quakertown, PA 982-5411	2	
36.	Tinicum Twp. PD (P) Municipal Bldg. Pipersvilles, R.D., PA 982-5411	3	Dublin Barracks
37.	Trumbauersville Boro PD (P) Trumbauersville, PA 795-2931	1	Dublin Barracks
38.	Tullytown Boro PD Main Street Tullytown, PA 945-0999	4	
39.	Upper Makefield Twp. PD Eagle Rd., R.D. #2 Newtown, PA 598-7121	3	
40.	Upper Southampton Twp. PD 939 Street Rd. Southampton, PA 357-8900	13	

	<u>NAME</u>	<u># OF VEHICLES</u>	<u>PA STATE POLICE SUPPORT IF PART TIME</u>
41.	Warminster Twp. PD Henry & Gibson Aves. Warminster, PA 441-0500	28	
42.	Warrington Twp. PD Pickertown & Mill Creek Rds. Warrington, PA 343-0100	8	
43.	Warwick Twp. PD P.O. Box 211 Jamison, PA 343-0100	5	
44.	West Rockhill Twp. PD Box 509, R.D. #1 Sellersville, PA 257-6070	2	
45.	Wrightstown Twp. PD Penns Park, PA 598-7121	5	
46.	Yardley Boro PD 56 South Main Street Yardley, PA 945-3100	3	

OTHER POLICE AGENCIES OF BUCKS COUNTY

A.	Bucks County Sheriffs Dept. Doylestown, PA 348-2911	9
B.	PA State Police P.O. Box 6 Dublin, PA 249-9191	
C.	PA State Police 3970 New Street Bensalem, PA 757-6921	

## APPENDIX 4

### RECEPTION AND MASS CARE

#### ATTACHMENTS:

- A - Evacuation Map
- B - Strip Maps
- C - Reception and Mass Care Center Listing
- D - Activation of Reception Centers
- E - Activation of Mass Care Centers
- F - Reception Center Call List
- G - Mass Care Center Registration Form
- H - Kennel and Veterinary Facilities

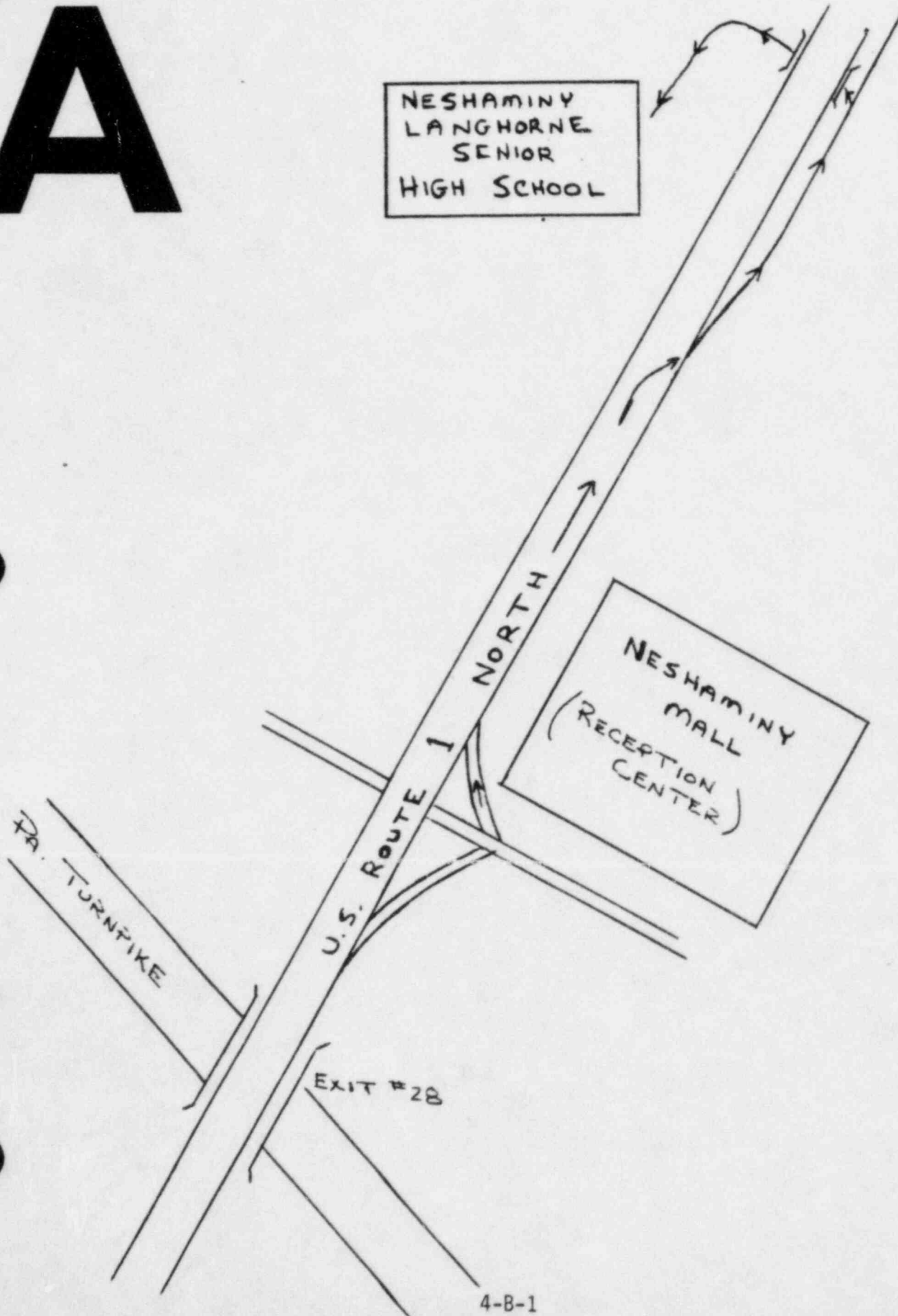
COUNTY OF BUCKS  
EVACUATION-RECEPTION CENTER  
MAP



- 1. - County Line Plaza
- 2. - Montgomery Mall
- 3. - Neshaminy Mall

NESHAMINY-LANGHORNE SENIOR HIGH SCHOOL  
2001 Old Lincoln Highway  
Langhorne, Pa.

A



APPENDIX 4

ATTACHMENT C

RECEPTION AND MASS CARE CENTER LISTING

<u>RECEPTION CENTER</u>	<u>ESTIMATED # OF EVACUEES NEEDING MASS CARE</u>	<u>MASS CARE CENTER</u>	<u>MASS CARE CENTER CAPACITY</u>
1. County Line Plaza Souderton	4697	* 1. Penn Ridge Upper HS	1535
		* 2. Penn Ridge Jr. HS	675
		* 3. Penn Ridge Central Jr. HS	731
		4. Palisades Jr./Sr. HS	1000
		5. Penn Ridge Lower HS	260
		6. Upper Bucks Vo-Tech	584
		TOTAL	4785
2. Montgomery Mall Route 202 (manned by Montgomery County)	5495	* 1. Central Bucks West HS	400
		* 2. Central Bucks East Sr. HS	337
		* 3. Lenape Jr. HS	200
		4. Unami Jr. HS	1000
		5. Tanamend Jr. HS	225
		6. Holicong Jr. HS	187
		7. New Hope-Solbery Jr/Sr HS	500
		8. Wm. Tennent Jr./Sr. HS	687
		9. Log College Jr. HS	300
		10. Klinger Jr. HS	250
		11. Bucks County Comm. College	1100
		12. Delaware Valley College	910
		TOTAL	6096
3. Neshaminy Mall Route 1 Langhorne	14249	* 1. Neshaminy-Langhorne HS	1,250
		* 2. Neshaminy Middle Jr. HS	2,002
		* 3. Poquessing Jr. HS	150
		4. Council Rock HS	500
		5. CRIS-Holland	250
		6. CRIS-Newton	250
		7. CRIS-Richboro	175
		8. Pennsbury HS	2,500
		9. Charles Boehm HS	1,500
		10. Medill Bair HS	1,375
		11. Pennwood Jr. HS	2,000
		12. William Penn Jr. HS	1,250
		13. Wilson HS	375
		14. Delhaas HS	475
		15. Armstrong Jr. HS	281

\*Primary mass care centers.



<u>RECEPTION CENTER</u>	<u>ESTIMATED # OF EVACUEES NEEDING MASS CARE</u>	<u>MASS CARE CENTER</u>	<u>MASS CARE CENTER CAPACITY</u>
3. Neshaminy Mall	14249	16. Roosevelt Jr. HS	281
Route 1		17. Franklin Jr. HS	300
Langhorne		18. Bristol Borough HS	175
		19. Bensalem HS	680
		20. Neil Armstrong Jr. HS	713
		21. Cecilia Snyder Jr. HS	1,178
		22. Robert Shafer MS	890
		23. Holy Ghost Prep.	540
		TOTAL	20,590

APPENDIX 4

ATTACHMENT D

ACTIVATION OF RECEPTION CENTERS

I. ACTIVATION

The order to activate reception centers is issued by the Coordinator of the Bucks County Emergency Management Agency or his designee. Once the order to activate is issued the Mass Care Officer is notified to contact reception center managers (see Appendix 4, Attachment F). Reception center managers are responsible for notifying and activating their respective staffs.

II. CONCEPT OF OPERATIONS

A. UNUSUAL EVENT:

No action required.

B. ALERT:

1. County Coordinator notifies the Mass Care Coordinator.
2. Mass Care Coordinator notifies Reception Center Managers informing them of the emergency status and instructing them to contact their respective staffs assuring availability.
3. Reception Center Managers notify staff and make preliminary assignments.
4. Mass Care Coordinator coordinates with County Warning and Communications Division Chief and Security Division Chief on assignment of a RACES team and traffic control personnel at reception centers.

C. SITE EMERGENCY:

1. If this is the initial emergency level, perform all actions listed under ALERT above.
2. Mass Care Coordinator reports to the EOC and notifies Reception Center Managers to place reception centers on standby status.
3. Mass Care Coordinator confirms assignment of RACES and traffic control personnel with Warning and Communications Division Chief and Security Division Chief.
4. Mass Care Coordinator contacts reception center facility owner/operator to notify them of the need to utilize facility.
5. Reception Center Managers notify staff to report to assigned reception centers and Managers pick up strip maps from the County EOC.
6. Upon arrival at reception center, Reception Center Manager briefs staff on emergency status and reviews responsibilities and procedures.
7. Reception Center Manager provides periodic status reports to the County EOC.

D. GENERAL EMERGENCY:

1. If this is the initial emergency level, perform all actions listed for SITE EMERGENCY above.
2. Activate reception centers:
  - a. Reception Center Manager will assign staff to distribute strip maps and to assist with internal traffic control.

- b. ONE strip map will be given to EACH evacuee. Once all the strip maps to a particular mass care center have been distributed, meaning that mass care center is at its capacity, reception center personnel will begin distribution of the next set of strip maps.
  - c. Reception Center personnel will not divide family groups when distributing strip maps.
  - d. Reception Center Managers will keep the County EOC informed of mass care center needs through RACES.
3. Upon closing of the reception center, the Manager will take all necessary steps to return the facility to its original condition.
4. Upon conclusion of duties; the Reception Center Manager should prepare an after-action report to include:
- a. Summary of all activities with statistics on the total number of evacuees processed.
  - b. Names and addresses of participating staff.
  - c. Message log.

APPENDIX 4

ATTACHMENT E

ACTIVATION OF MASS CARE CENTERS

I. ACTIVATION ORDER

The order to activate one or more mass care centers is issued by the County Emergency Management Agency Coordinator or his designate in his absence. Once the order to activate is issued, the Mass Care Officer or designated alternate is notified, who in turn notifies the appropriate Mass Care Center Managers.

II. ACTIONS OF MASS CARE CENTER MANAGERS

- A. Acknowledge receipt and make a written record of the information received, including date and time.
- B. Issue, directly or with assistance from other immediately available personnel, specific mobilization instructions to mass care center staff members assigned to the first shift and directly concerned with mass care center operations. (The call out of staff shall be conducted in accordance with Red Cross Standard Operating Procedures for Mobilization.)
- C. Issue, directly or with assistance, specific standby instructions for second, and if applicable, third shift mass care center personnel directly concerned with relief operations of the centers.
- D. Confirm with person in charge of the building the details of the predisaster agreements for operations, and then proceed to open the mass care center.
- E. Arrange for heating, lighting, cooking, sanitary facilities, water and for substitutes if regular facilities are disrupted. Obtain other supplies and additional equipment as previously planned.

- F. Request support through the appropriate Mass Care Coordinator for required health, police and transportation services and supplies.
- G. Incoming mass care center staff shall be briefed, assigned responsibilities and commence setting up activities.
- H. Use telephones when possible between the mass care center and the Emergency Operations Center and within the center itself. If telephones are unavailable, maintain communications via RACES or messenger service. A public address system may be utilized if desired for announcements within the facility.
- I. Upon arrival, evacuees will have been monitored for radiation exposure when BRP has directed that the situation warrants such and decontaminated if necessary (reference Annex M, Appendix 1). All persons shall be registered and family units kept together if at all possible. Upon completion of registration, forward a copy of the registry to the Mass Care Coordinator located at the County EOC.
- J. As each family or individual is registered, they are assigned space. Cots, blankets and chairs are furnished. If quantities are insufficient, then the infirm, aged, expectant mothers, mothers with infants and the handicapped should be given first consideration. Separate quarters are provided for unmarried men and unmarried women, if possible.
- K. Establish and enforce fire and safety regulations and arrange for adequate police and guard protection.
- L. Maintain records of all borrowed and purchased equipment and keep records of all mass care activities. Use this to compile a daily report to be submitted to the Mass Care Coordinator located at the Emergency Operations Center.
- M. Select an Advisory Council from those being cared for, which will assist the Mass Care Center Manager in enforcing health, sanitary,



and safety regulations; assign duties to the center inhabitants and advise the manager and staff in dealing with mass care center problems. If the center operation is prolonged, it may be desirable for the Advisory Council to assist in establishing a recreation program.

- N. Provide for janitorial service and the maintenance of essential utilities (e.g., light, heat, water and toilets).
- O. Post large printed signs designating a place or rooms for men's toilet, women's toilet, registration and inquiry, information, monitoring/decontamination area, clothing and feeding; also, signs for smoking regulations, luggage storerooms, the manager's office and others as required.
- P. Bathing facilities should be provided for all persons, if possible, but especially for babies and small children. Shower facilities should be provided for the monitoring/decontamination process.
- Q. Feeding must be conducted in a separate room other than the sleeping quarters and space must be provided for a kitchen, dining room and a storage area or pantry storeroom adjacent to the kitchen.
- R. A room shall be set aside as a clothing distribution point for providing suitable clothing as required, for individuals undergoing decontamination.
- S. A Registered Nurse should head the Mass Care Center Aid Station to assist persons requiring special care. If a Registered Nurse is not immediately available, the best-qualified medically trained individual should serve. Medical and nursing supplies should be stored in a location convenient to or within the emergency medical station.
- T. When the amount of supplies warrants it, the Mass Care Center Manager assigns a storekeeper to assist him. Duties are: receiving

and checking incoming supplies and equipment, safeguarding supplies and equipment, maintaining an inventory and issuing properly requisitioned supplies-on-hand receipts. Articles stored for individuals housed within the mass care center shall be plainly marked and stored at the owner's risk.

- U. Pets are not allowed in the human living area of mass care centers. The Mass Care Center Manager may try to provide for pets in a separate area or enclosure with pet owners required to provide for their care. Guide dogs for the handicapped are not considered to be in this category, and they will remain with their master in the center. When applicable, activate agreements made with the Humane Society for sheltering pets.
- V. After the mass care center has been closed, the manager will take the necessary steps to prepare the center and grounds for return to the owner. The manager will then prepare and submit a final report to the Mass Care Coordinator located at the Emergency Operations Center. The report shall be in accordance with established reporting policies and procedures.
- W. Report to the County Mass Care Coordinator, via telephone or RACES, at least once every two hours, the number of: (1) residents (2) persons monitored/decontaminated. Also report any special needs, problems, etc.

### III. SPONTANEOUSLY ACTIVATED MASS CARE CENTERS

In times of emergency, it is quite possible that a predesignated mass care center, or even a facility not so designated, might be opened spontaneously. When that happens, it might be desirable to continue its operation. Upon request, the Red Cross may be able to provide a Mass Care Center Manager and assume responsibility from that point on for the management and funding of it. It should be made known to the person(s) responsible for the facility that Red Cross management must be accepted in order for the Red Cross to fund its operation, and any unusual costs

incurred before the Red Cross assumes management responsibility are not the responsibility of the Red Cross. It is desirable to record this understanding in writing if possible, and to include appropriate notations in the log.

#### IV. RECORDS AND FISCAL MATTERS

##### A. Records

In addition to daily reports, agreements, supply requisitions and hand receipts for supplies, the following records shall be prepared:

1. A list of all equipment borrowed from government sources with instructions as to disposition when facilities are closed.
2. A list of all other equipment borrowed from private sources and its disposition. When the borrowed equipment is returned to private owners, a signed hand receipt should be obtained.
3. A list of all Red Cross-owned supplies and equipment with instructions regarding transfer to another disaster area or to storage.
4. Reports of loss or damage to both borrowed equipment and buildings.
5. A list of outstanding expenditures for direct purchases of supplies and services.
6. A final after-action report to include:
  - a. A complete summary of all activities including statistics on number housed, fed, given medical care, evacuated or received from other counties or states.
  - b. Names and addresses of all workers, both voluntary and paid.

- c. Overall narrative report to include recommendations, changes in procedures, suggested improvements and repairs required relating to any damages to the facility or losses or damages to equipment.

#### B. Fiscal Matters

When a mass care center is operated by Red Cross Managers, then the Red Cross will pay the operational costs of the center(s) as an outright grant. In situations not within Red Cross purview, expenses for operations will be borne by municipal or county governments. In these cases, complete records of expenditures should be kept for reasons of possible reimbursement from State or Federal funds.

#### V. USE OF GOVERNMENT DONATED FOOD

- A. Normally, if mass care centers are located in schools and school cafeterias are used, food supplies on hand are usually sufficient for immediate needs. Procurement of additional food supplies may be made per agreement with the Pennsylvania Department of Agriculture and the General Services Bureau of Government Donated Foods.
- B. The American Red Cross is authorized to make the necessary requests. Refer to Annex C of PEMA Emergency Management Directive No. 32, Development of a Mass Care Operational Program, November 14, 1980.

APPENDIX 4

ATTACHMENT F

RECEPTION CENTER CALL LIST

I. RECEPTION CENTERS

<u>FACILITY</u>	<u>OWNER/OPERATOR</u>	<u>EMERGENCY CONTACT</u>
A. County Line Plaza Souderton	Clemens Markets 616 E. Main Street Lansdale, PA  (215) 855-9960	R. Carl Rhoads (215) 855-9960
B. Neshaminy Mall Langhorne	Strause, Greenberg, and Co., Inc.  (215) 357-6100	David F. Filippone Neshaminy Mall Bensalem  (215) 357-6100

II. RECEPTION CENTER STAFF

Reception centers will be manned by Bucks County Deputy Sheriffs. All deputies will be trained in the operation of such a facility.

III. The reception center team, in addition to the manager, should include at least four individuals for distribution of maps and internal traffic flow. Arrangements for barricades, traffic cones, signs, flashlights, etc., should be made by the reception center manager through appropriate municipal government sources and/or the county EMA.

APPENDIX 4

ATTACHMENT G

MASS CARE CENTER REGISTRATION FORM



APPENDIX 4

ATTACHMENT H

KENNEL AND VETERINARY FACILITIES

<u>FACILITY NAME/ADDRESS</u>	<u>TELEPHONE</u>	<u>FACILITY NAME/ADDRESS</u>	<u>TELEPHONE</u>
Bee Jay Kennels 32 E. Holland Road Holland, PA	357-3563	Beech Hill Kennels 2626 Murray Avenue Cornwells Heights, PA	639-5799
Edelhaus Kennels Furlong, PA	348-5643	Carlings Kennels Marienstein Road Upper Black Eddy, PA	847-2543
Gaybird Farms Carversville, PA	297-5553	Hatboro Animal Hospital 242 South York Road Hatboro, PA	443-7211
Hickorybrook Farm Middle & Stump Roads Chalfont, PA	348-4454	Holiday House Pet Resort & Spa 380 Shady Retreat Road Doylestown, PA	343-6710
Holly Farm Kennels 601 Route 113 Sellersville	723-4992	Laurel Lane Farm Twining Bridge & Swamp Rds. Newtown, PA	968-2500
Lucky Chance Pet Resort Pleasant Valley, PA	346-7854	Naireb's Kennels Ltd. 2216 Hill Road Sellersville	257-7243
P.J.'s Pet Motel Route 611 Plumsteadville, PA	766-7442	Richboro Kennels 700 N. 2nd Street Pike Richboro, PA	355-1263
Sanmann Kennels 1825 Diamond Street Sellersville, PA	598-7202	Towne and Country Fashions 393 Langhorne Avenue Langhorne, PA	752-3661
Von Sabol Kennels Pine Land & Rt. 413 Pineville, PA	598-7202	Windrace Kennels Oxford Valley Road Yardley, PA	493-4482

## APPENDIX 5

### RADIOLOGICAL EXPOSURE CONTROL

#### ATTACHMENTS:

- A - Decontaminating Monitoring Procedures
- B - Dosimetry and Potassium Iodide
- C - Inventory and Maintenance Procedures
- D - Dosimetry-Survey Meter-KI Distribution List
- E - Decontamination Monitoring Assignments

APPENDIX 5

ATTACHMENT A

DECONTAMINATION MONITORING PROCEDURES

I. GENERAL INFORMATION AND ORGANIZATION

A. Decontamination Monitoring of the Public

In the event of a fixed nuclear facility incident, the public may have to be individually monitored to ascertain whether or not the individual is contaminated with a radioactive substance. If a person is found to be contaminated, then he/she must be decontaminated. BRP will issue a statement indicating whether or not decontamination monitoring is required and PEMA will send this message through emergency management channels. Decontamination monitoring teams will be located at mass care centers and will perform decontamination monitoring upon request regardless of whether it is required.

B. Organization at Mass Care Centers

1. Mass care centers for evacuees will serve as points where decontamination monitoring and decontamination procedures will be conducted. When decontamination monitoring is required, evacuees, upon arrival at the mass care center, will first be monitored for radiological contamination and, if necessary, be decontaminated, after which they will be admitted to the "general living" portion of the mass care center. Trained decontamination monitoring teams will conduct the monitoring for radiological contamination, carry out decontamination procedures, and complete associated records. This activity, while falling under the overall coordination of the mass care center manager, is not an integral part of that operation. Decontamination monitoring teams take direction from the county radiological officer. Decontamination monitoring of evacuees

should be completed as soon as possible. Decontamination monitoring of personal belongings (i.e., clothing, personal articles, vehicles) can be accomplished after the evacuees have been processed.

2. Decontamination monitoring teams will organize their areas and traffic flow patterns so that contaminated persons and those to be monitored will not mix with the contamination-free individuals who have already been admitted to the "general living" portion of the mass care center. For example, persons will be sent to the decontamination area (showers) by a route that will not place them in contact with contamination-free areas. Showers used for decontamination will not be available for general use until they are decontaminated.

C. Decontamination Monitoring Services for Persons Who Are Not Housed at Mass Care Centers

Persons who do not intend to stay at a mass care center, but who wish to be monitored will be extended these services at mass care/decontamination centers. Decontamination monitoring procedures and record keeping are identical for people who stay or do not stay at mass care centers.

D. Equipment and Personnel Requirements

1. The instrument used for decontamination monitoring is the CD V-700 Geiger-Mueller Survey Meter (ranges approximately 0.0 to 50 mR/hr), which is supplied to the respective county emergency management agencies by PEMA in sufficient quantities to meet their needs. Survey meters in civil defense kits are considered as the backup or reserve units to the special distribution of this equipment for response to fixed nuclear facility incidents.

2. A sufficient number of CD V-700 survey meters are available for each mass care/decontamination center to allow one meter for each 250 people.
3. Personnel requirements are one trained monitor and one recorder (assistant to the monitor) for each survey meter as a minimum. Each decontamination monitor and recorder is supplied with dosimetry (CD V-742 and TLD) and KI.
4. Inventory, maintenance, and property accountability with regard to dosimetry, survey meters, and KI are described in Attachment C to this Appendix.

#### E. Decontamination Monitoring Record Keeping

Decontamination monitoring personnel will be responsible for completing a "Decontamination Monitoring Report Form" (see Tab 1 to this Attachment) for each individual with a reading of 0.05 mR/h (milliroentgens per hour) or more above background, which is the action level set by BRP indicating that decontamination of the individual is necessary. The form will be completed, signed by the monitor at each of the steps [(1) initial monitoring, (2) after first decontamination, (3) after second decontamination, (4) medical referral]. Two copies of the form will be prepared. One copy will be given to the individual when decontamination is completed or the individual is sent to a medical facility. The original will be retained by the risk county emergency management agency in a historical file. (Bucks County Emergency Management Agency will forward these completed forms to the Montgomery County Emergency Management Agency.) The risk county emergency management agency will make available these forms to BRP, if requested by BRP.

#### F. Progress Reports on Decontamination Monitoring

Decontamination Team Chiefs should verbally report at two hour intervals to their county emergency management coordinator pertinent

information on results of monitoring. The report shall include the following cumulative data: number of persons monitored; number of persons contaminated; number decontaminated; number referred to a medical facility (for radiation decontamination/treatment); the highest reading (above 0.05 mR/h) on any particular individual; and any unusual or particularly notable findings. The county emergency management coordinators are responsible for consolidating this information and reporting it immediately to PEMA who in turn will relay the information to BRP.

## II. PROCEDURES FOR DECONTAMINATION MONITORING TEAMS

### A. Decontamination Monitoring Procedures

Monitors performing decontamination monitoring of people should follow these procedures:

1. Select a reception location for conducting the monitoring operation. Precautions must be taken to prevent contamination of the area.
2. Use the CD V-700. Attach the headphone. 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.
3. Check the operability of the CD V-700.
4. Place the probe in a light plastic bag or cover of lightweight material to prevent contamination. This is desirable but not mandatory.
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.



6. Open the shield on the CD V-700 probe and put on the headphone.
7. Place the probe about two inches from the head, being careful not to touch the person.
8. Move the probe downward on one side of the neck, the collar, the shoulder, arm, wrist, hand, underarm, armpit, side of body, side of 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 Illustration 1.)

Illustration 1 - Decontamination Monitoring

9. Monitor the front and back of the body.
10. Record the information on the Decontamination Monitoring Report Form (see Tab 1 to this Attachment).
11. Assure that individuals found to be contaminated are decontaminated.<sup>1</sup>
12. Monitor the individual after decontamination to determine that the contamination has been removed. Repeat decontamination procedures if contamination still remains.

#### 8. Decontamination of People

1. Contaminated persons should wash with soap and warm water. A thorough shower should be sufficient. 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.
2. After thorough cleansing, the individuals should be monitored again. If some contamination still remains, the individual should shower again and use 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.
3. Care should be taken that persons who are decontaminated do not become recontaminated by dressing in contaminated clothing (the clothing they were wearing or possibly other clothing brought by

<sup>1</sup> A person is considered contaminated if there is a reading of 0.05 mR/hr above background or more. Do not confuse background radiation with your readings; contamination would be apparent by a sustained increase on the visual meter reading (Selector Switch on X 1 range), and also by a marked increase in the audible indication from the headphone.

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.

C. Decontamination Procedures for Wounds

Persons with contaminated wounds will be referred to an appropriate medical facility for radiation decontamination and treatment.

D. Clothing Decontamination Procedures

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. Water repellent items may be scrubbed with water and detergent, and retained until monitored.
2. The county emergency management agency is responsible for arranging for a laundry facility dedicated to washing of contaminated clothing.

E. Decontamination Procedures for Supplies, Instruments and Equipment

1. The item in question should be monitored first to determine the extent and area of contamination by thoroughly going over the object with the CD V-700 probe about two inches from the surface. Decontamination of these articles is generally accomplished by wiping and/or washing to the extent necessary to remove the radiocontaminants.
2. The county emergency management agency is responsible for arranging for radiation monitoring of vehicles and decontamination. At mass care/decontamination centers monitoring teams will initially direct their efforts to the evacuees as described in (a) and (b) above. When time permits,

the monitoring teams can 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. Suitable car washing arrangements can be made for external decontamination depending upon the number of vehicles contaminated and amount of radiocontamination. The county emergency management agency should seek the advice of BRP, through PEMA, in deciding what measures will be effective and expeditious. Vehicles with contamination in the interiors will be impounded and BRP must be consulted, before return to their owners.

#### F. Disposal of Contaminated Wastes

As described above, clothing and similar materials as well as miscellaneous equipment and vehicles, can be decontaminated. Where cleaning materials and other items cannot be successfully decontaminated, special handling is necessary.

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) until it is laundered. If any material cannot be decontaminated by laundering, place it in the same type of plastic bag and container and store in a locked room that is not used for any other purpose until such time as the contaminated waste is disposed of by IRAP (federal government - Interagency Radiological Assistance Plan) personnel. Accumulation of contaminated waste materials and the need for disposal should be reported through the emergency management system.

#### TABS:

1. Decontamination Monitoring Report Form

TAB 1  
ATTACHMENT A  
DECONTAMINATION MONITORING REPORT FORM

NOTE: THIS FORM WILL BE COMPLETED FOR EACH INDIVIDUAL WITH A READING OF 0.05 mR/hr OR MORE ABOVE BACKGROUND.

NAME of person monitored \_\_\_\_\_  
SOCIAL SECURITY NUMBER \_\_\_\_\_  
ADDRESS \_\_\_\_\_

FIRST Radiological Monitoring

Monitor's or Recorder's Signature X \_\_\_\_\_

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

Survey Meter Serial # \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_ am  
pm

SECOND Radiological Monitoring - to be completed after person has undergone decontamination including acquiring radiologically "clean" clothing.

Monitor's or Recorder's Signature X \_\_\_\_\_

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

Survey Meter Serial # \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_ am  
pm

THIRD Radiological Monitoring - to be completed after person has undergone decontamination a second time.

Monitor's or Recorder's Signature x \_\_\_\_\_

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

Survey Meter Serial # \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_ am  
pm

ANATOMY	FIRST MONITORING	SECOND MONITORING	THIRD MONITORING
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. foot	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 on (DATE) \_\_\_\_\_ pm

Decontamination Team Chief's Signature X \_\_\_\_\_

Form Distribution: Original to county emergency management agency;  
copy to person monitored.



APPENDIX 5

ATTACHMENT B

DOSIMETRY AND POTASSIUM IODIDE (KI)

I. GENERAL INFORMATION

- A. Each member of a decontamination monitoring team is issued a CD V-742, a TLD, KI and a Dosimetry-KI Report Form. Each decontamination monitoring team is also issued a CD V-700 Geiger-Mueller Survey Meter.
- B. Dosimeter chargers (CD V-750) which are used to "zero" or charge the self-reading dosimeters are located with, or within easy access to, each emergency organizational unit.

II. DISTRIBUTION OF DOSIMETRY, POTASSIUM IODIDE AND RELATED PROCEDURES

A. Distribution

At the ALERT stage, the County Technical Division Chief (RADEF) will report to the EOC to prepare dosimetry, survey meters, KI, and necessary report forms for distribution to decontamination monitoring teams (generally fire services personnel). At SITE EMERGENCY, the Technical Division Chief (RADEF) will contact the County Fire Marshall's Office for assistance in distribution of the dosimetry and other radiological equipment resources to decontamination monitoring teams throughout the County. Upon receipt, each organization shall distribute to individual team members and mobilize teams to their assigned locations.

To facilitate this distribution, a "Dosimetry, KI, Survey Meter Distribution List" is contained in Attachment D to this Appendix. The list indicates the receiving organizations and the required number of each item.



## B. Property Control

Property accountability must be maintained in the distribution process. The "Receipt Form for Dosimetry-Survey Meters-KI" (see Tab 4) is designed for transferral of quantities of equipment from agency to agency. "Acknowledge of Receipt by Emergency Workers for Dosimetry-KI and Survey Meters" (see Tab 5) is designed to expedite transferral of the equipment-KI to individual users.

Bucks County, which stores and maintains the equipment and KI, will be responsible for ensuring return of all equipment upon termination of the incident.

## C. Control TLD's

1. In the event of an incident, the County EMA will retain the designated "Control TLD's." Control TLD's are equal in number to about 5% of the total amount allotted for distribution. Each "control TLD" is so labeled and the serial numbers are not in the same sequential batch as the TLD's meant for distribution to emergency workers. As coordinated by PEMA, the control TLD's will be forwarded to the TLD service contractor. The County EMA will complete the "Control TLD's Form" (see Tab 2) and forward it with the control TLD's.
2. The purpose of "control TLD's" is to allow measurement of a "baseline" of radiation (background radiation) that the TLD's have been exposed to at the time the County EMA distributes TLD's in reaction to the incident. The measurement of the accumulated background radiation, as measured by the control TLD's, will be subtracted from the reading obtained from each emergency worker in that county. This procedure can be characterized as a "mathematical zeroing" of the TLD.

3. At the time of the incident, the County EMA will ensure that the control TLD's are not exposed to radiation other than background radiation.

#### D. Inventory and Maintenance

Inventory and maintenance procedures are specified in Attachment C to this Appendix.

#### E. County Distribution Time Requirements

The County plans to make its entire dosimetry-KI-survey meter distribution to using organizations within two hours.

### III. POTASSIUM IODIDE (KI)

#### A. Background Information

1. 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 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; otherwise it provides no protection against radiation.
2. The Pennsylvania Department of Health is responsible for developing policies relating to use of KI during fixed nuclear incidents. The department has procured KI tablets for emergency workers and KI in liquid form for staff and patients of risk hospitals. Thyro-Block (product of Carter-Wallace Inc.) is the brand name of the KI tablets procured by the department for emergency workers. A unit of Thyro-Block consists of 14 tablets of 130 milligrams in size; the dose is one tablet per day.

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 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.
4. The effectiveness of KI as a blocking agent is greatest if administered before the time of exposure to radioiodine, but some exposure saving can be obtained by administration shortly after exposure. A user information sheet on Thyro-Block is included at Tab 3 to this Attachment.

B. Pennsylvania Department of Health Policies on KI

1. KI in tablet form is available to emergency workers (emergency management agencies, police forces, fire companies, ambulance services, and farmers keeping livestock) and in liquid form to acute care hospitals. County EMA's specify in their plans those municipalities, agencies, and teams that receive KI for use by emergency workers.
2. The Secretary of the Department of Health is charged with the decision to use, or not to use, KI in an incident. The decision criteria made in conjunction with BRP, includes radioiodine dose projections, exposure savings, drug risk factors and incident assessment information.

KI should be taken only on the advice of the Secretary of the Department of Health. The Secretary's advice will be disseminated to emergency workers through emergency management channels. Upon taking KI, the emergency worker should read the information on the Dosimetry-KI Report Form (see Tab 1 to this Attachment).

#### IV. DOSIMETRY READINGS, RECORD KEEPING AND PROTECTIVE ACTION OPTIONS

##### A. Dosimetry Reading Procedures and Related Actions

1. Dosimeters should be worn in the pocket of an outer garment. 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.
2. For practical purposes each Roentgen registered on the CD V-742 self-reading dosimeters is interpreted to mean that the worker has received a corresponding number of rem, e.g., a reading of 5 R should be interpreted to mean that a 5 rem dose has been received.<sup>1</sup>
3. Each emergency worker should read the self-reading dosimetry at least once each thirty minutes.

##### B. Protective Action Guides (PAG) for Emergency Workers

The protective action guide for whole body exposure specified by the Environmental Protection Agency (EPA) and by BRP is 25 rem. Workers should use the self-reading dosimetry to ensure that the 25 rem whole body PAG is not exceeded. By regularly checking the self-

<sup>1</sup> A Roentgen is a unit of measurement of x-ray or gamma radiation that is based upon effects as measured in air; a rem is a unit of radiation measurement that is based upon effects as measured in the human body. In this plan, Roentgen and rem are considered to be essentially identical.

reading dosimeter the worker can make reasonable judgements about how much radiation, if any, has been received, and at what rate it is being received. It is unlikely that doses approaching 25 rem would be received by decontamination monitoring personnel in support counties.

C. Dosimetry and KI Record Keeping

1. Each emergency worker is responsible for completing a Dosimetry-KI Report Form (see Tab 1 to this Attachment) and for returning it, along with the dosimetry, to his organization at the termination of his services. Each emergency organization shall forward the forms and dosimetry to the County EMA who in turn will deliver the TLD's and forms to PEMA. PEMA will deliver the forms and TLD's from all counties to BRP who will deliver the TLD's to the TLD service contractor for reading. All dosimetry records will be forwarded through emergency management channels to BRP for the purposes of record keeping, analysis, reporting and storage.
2. BRP will retain all original copies and will be the permanent record keeper of the completed Dosimetry-KI Report Forms along with BPR's explanation of each, the TLD service contractor generated information, and all related material. The records of individuals will be kept confidential.
3. BRP will use the Dosimetry-KI Report Form to select TLD's for immediate reading. The highest priority will be given to TLD's worn by persons whose self-reading dosimetry indicates 25 R or more, or where medical authority has requested immediate reading, or where other circumstances warrant. In these cases, BRP will expedite delivery of the TLD's to the TLD service contractor and readings will be received within 24 hours after the contractor's receipt of the TLD's. BRP will promptly relay the readings, with their interpretation to the individual and appropriate medical authorities. All other TLD's will be in the

"routine" category of five days turnaround time from the TLD service contractor; individuals will be informed of the TLD readings.

TABS:

1. Dosimetry-KI Report Form
2. Control TLD's Form
3. Patient Package Insert for Thyro-Block
4. Receipt for Dosimetry-Survey Meters-KI Form
5. Acknowledgement of Receipt by Emergency Workers for Dosimetry-KI and Survey Meters
6. Dosimetry-Survey Meter-KI Distribution List



County: \_\_\_\_\_

Emergency Worker's Organization:

Emergency Worker's Signature: X

MISSION		CD V-730 or DCA-622 (0-20R)			CD V-742 (0-200R)			TLD (thermoluminescent dosimeter)			
No.	Description	DATE	SERIAL #	BEFORE AFTER	MISSION TOTAL	SERIAL #	BEFORE AFTER	MISSION TOTAL	Serial # of TLD:		
1.				R			R			DATE/TIME	PERSON/ ORGANIZATION
				R	R		R	R	Issued		By:
2.				R			R		Turned In		To:
				R	R		R	R	READING OF TLD		
3.				R			R		m/rem		
				R	R		R	R	Date of Reading		
4.				R			R				
				R	R		R	R			
5.				R			R				
				R	R		R	R			
				TOTAL	R		TOTAL	R	POTASSIUM IODIDE (KI) RECORD		
									Date	Time	Amount Taken

**DOSIMETRY INSTRUCTIONS:** Read the CD V-730 (DCA-622) and CD V-740 each half hour. Do not exceed 25 R cumulative total. The TLD gives an accurate reading of total dose and therefore should be used only by one person. Forward the TLD with this form (see form distribution below).

Upon completion of the mission, or as directed, each emergency worker must undergo "decontamination monitoring" at a decontamination monitoring station or a mass care/decontamination center. Monitoring personnel at these stations will complete a "Decontamination Monitoring Report Form" for you. Additionally emergency workers should be screened for radioiodine uptake in the thyroid gland and the results recorded here. Medical referral action level for the thyroid check is 0.1 mR/hr or higher when using the CD V 700 survey meter.

CD V-700 Serial #: \_\_\_\_\_ Reading: \_\_\_\_\_ mR/hr  
Signature of Monitor: X \_\_\_\_\_

DOSIMETRY-KI REPORT FORM DISTRIBUTION: Forward this completed form with the TLD through emergency management channels to BRP. When the self-reading dosimetry indicates total exposure of 25R or more, expedite delivery to BRP. BRP will forward to the individual and to the county EMA the TLD reading as well as an explanation of the reading. When expedited delivery is made to BRP and where otherwise warranted, BRP will report the TLD reading within 24 hours. Routine reports may take a week or more.

KI INSTRUCTIONS: Take KI only on  
 the direction of the Secretary of  
 the Department of Health. Take one  
 tablet (130 mg) once a day. If you  
 have any adverse reaction to the  
 drug, discontinue taking KI and  
 report to your supervisor.

TAB 2

ATTACHMENT B

CONTROL TLD's FORM

When TLD's are distributed during an incident this form should be completed by the county emergency management agency. The completed form, together with the control TLD's, should be forwarded through PEMA to BRP.

Note: If a fixed nuclear facility incident occurs, the control TLD's should not remain in, or be moved into the plume exposure pathway EPZ.

County \_\_\_\_\_

The control TLD's accompanied by this form are serial numbered "Control \_\_\_\_\_" through "Control \_\_\_\_\_" and/or "Control" \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.

The TLD stock, with which the control TLD's were co-located, was stored at:

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

At the time of the incident the control TLD's were moved to (if not moved, so indicate):

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date and time moved: Date: \_\_\_\_\_ Time: \_\_\_\_\_

This form completed by \_\_\_\_\_

Signature X \_\_\_\_\_

Patient Package Insert For

**THYRO-BLOCK™**

(POTASSIUM IODIDE)  
(pronounced *pot-TASS-um EYE-oh-yed*)  
(abbreviated: KI)  
TABLETS and SOLUTION U.S.P.

TAKE POTASSIUM IODIDE ONLY WHEN PUBLIC HEALTH OFFICIALS TELL YOU. IN A RADIATION EMERGENCY, RADIOACTIVE IODINE COULD BE RELEASED INTO THE AIR. POTASSIUM IODIDE (A FORM OF IODINE) CAN HELP PROTECT YOU.

IF YOU ARE TOLD TO TAKE THIS MEDICINE, TAKE IT ONE TIME EVERY 24 HOURS. DO NOT TAKE IT MORE OFTEN. MORE WILL NOT HELP YOU AND MAY INCREASE THE RISK OF SIDE EFFECTS. DO NOT TAKE THIS DRUG IF YOU KNOW YOU ARE ALLERGIC TO IODIDE. (SEE SIDE EFFECTS BELOW)

**INDICATIONS**

THYROID BLOCKING IN A RADIATION EMERGENCY ONLY.

**DIRECTIONS FOR USE**

Use only as directed by State or local public health authorities in the event of a radiation emergency.

**DOSE**

**Tablets:** ADULTS AND CHILDREN 1 YEAR OF AGE OR OLDER: One (1) tablet once a day. Crush for small children.  
BABIES UNDER 1 YEAR OF AGE: One-half (1/2) tablet once a day. Crush first.

**Solution:** ADULTS AND CHILDREN 1 YEAR OF AGE OR OLDER: Add 6 drops to one-half glass of liquid and drink each day.  
BABIES UNDER 1 YEAR OF AGE: Add 3 drops to a small amount of liquid once a day.

For all dosage forms: Take for 10 days unless directed otherwise by State or local public health authorities.

Store at controlled room temperature between 15° and 30°C (59° to 86°F). Keep container tightly closed and protect from light. Do not use the solution if it appears brownish in the nozzle of the bottle.

**WARNING**

Potassium iodide should not be used by people allergic to iodide. Keep out of the reach of children. In case of overdose or allergic reaction, contact a physician or the public health authority.

**DESCRIPTION**

Each THYRO-BLOCK™ TABLET contains 130 mg of potassium iodide.

Each drop of THYRO-BLOCK™ SOLUTION contains 21 mg of potassium iodide.

**HOW POTASSIUM IODIDE WORKS**

Certain forms of iodine help your thyroid gland work right. Most people get the iodine they need from foods, like iodized salt or fish. The thyroid can "store" or hold only a certain amount of iodine.

In a radiation emergency, radioactive iodine may be released in the air. This material may be breathed or swallowed. It may enter the thyroid gland and damage it. The damage would probably not show itself for years. Children are most likely to have thyroid damage.

If you take potassium iodide, it will fill-up your thyroid gland. This reduces the chance that harmful radioactive iodine will enter the thyroid gland.

**WHO SHOULD NOT TAKE POTASSIUM IODIDE**

The only people who should not take potassium iodide are people who know they are allergic to iodide. You may take potassium iodide even if you are taking medicines for a thyroid problem (for example, a thyroid hormone or antithyroid drug). Pregnant and nursing women and babies and children may also take this drug.

**HOW AND WHEN TO TAKE POTASSIUM IODIDE**

Potassium Iodide should be taken as soon as possible after public health officials tell you. You should take one dose every 24 hours. More will not help you because the thyroid can "hold" only limited amounts of iodine. Larger doses will increase the risk of side effects. You will probably be told not to take the drug for more than 10 days.

**SIDE EFFECTS**

Usually, side effects of potassium iodide happen when people take higher doses for a long time. You should be careful not to take more than the recommended dose or take it for longer than you are told. Side effects are unlikely because of the low dose and the short time you will be taking the drug.

Possible side effects include skin rashes, swelling of the salivary glands, and "iodism" (metallic taste, burning mouth and throat, sore teeth and gums, symptoms of a head cold, and sometimes stomach upset and diarrhea).

A few people have an allergic reaction with more serious symptoms. These could be fever and joint pains, or swelling of parts of the face and body and at times severe shortness of breath requiring immediate medical attention.

Taking iodide may rarely cause overactivity of the thyroid gland, underactivity of the thyroid gland, or enlargement of the thyroid gland (goiter).

**WHAT TO DO IF SIDE EFFECTS OCCUR**

If the side effects are severe or if you have an allergic reaction, stop taking potassium iodide. Then, if possible, call a doctor or public health authority for instructions.

**HOW SUPPLIED**

THYRO-BLOCK™ TABLETS (Potassium Iodide, U.S.P.) bottles of 14 tablets (NDC 0037-0472-20). Each white, round, scored tablet contains 130 mg potassium iodide.

THYRO-BLOCK™ SOLUTION (Potassium Iodide Solution, U.S.P.) 30 ml (1 fl. oz.) light-resistant, measured-drop dispensing unit (NDC 0037-4237-25). Each drop contains 21 mg potassium iodide.

WALLACE LABORATORIES  
Division of  
CARTER-WALLACE, INC.  
Cranbury, New Jersey 08512

CV-107915-1079

TAB 4  
ATTACHMENT B

RECEIPT FORM FOR DOSIMETRY-SURVEY METERS-KI

ISSUED BY \_\_\_\_\_ ISSUED TO \_\_\_\_\_  
ADDRESS \_\_\_\_\_ ADDRESS \_\_\_\_\_  
RESPONSIBLE INDIVIDUAL \_\_\_\_\_  
TELEPHONE \_\_\_\_\_

INSTRUCTIONS: During a nuclear power plant incident, use this form to maintain property control when distributing the items listed below to municipalities and decontamination monitoring teams. This form should be used for transfer of these items in bulk form from: (1) the county emergency management agency to risk municipalities and decontamination monitoring teams; and (2) the municipalities to their local emergency response organizations (such as fire, police, and ambulance associations). NOTE: The form listed on item 11 below should be used when issuing dosimetry-KI to individual emergency workers.

LINE NUMBER	DESCRIPTION	QUANTITY
1.	CD V-742 Self-Reading Dosimeter (0-200R)	
2.	CD V-730 Self-Reading Dosimeter (0-20R)	
3.	DCA-622 Self-Reading Dosimeter (0-20R)	
4.	CD V-750 Dosimeter Charger	
5.	TLD (Thermoluminescent Dosimeter) Serial Numbers            THROUGH	
6.	Potassium Iodide (KI) Tablets (Bottles of 14 Tablets Each)	
7.	CD V-700 Survey Meter	
8.	Dosimetry-KI Report Form	
9.	Decontamination Monitoring Report Form	
10.	Receipt Form for Dosimetry-Survey Meters-KI	
11.	Acknowledgment of Receipt by Emergency Workers for Dosimetry-KI and Survey Meters	

RECEIVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_  
(print name)  
SIGNATURE: X \_\_\_\_\_ DATE \_\_\_\_\_  
5-B-4-1



d to decontamination monitoring teams at decon-  
r centers do            receive a CD V-730 or DCA 622  
decontamination monitoring teams receive a  
n 6).

enter (1) or (0) in columns 2 and 6. Record the column 2 and the serial number of the TLD in the individual accepts responsibility for each line and agrees to return these items (less the request and automatically when the nuclear power

DESCRIBED: [✓] by the organization's return of each item.

DATE \_\_\_\_\_

NAME OF EMERGENCY ORGANIZATION

RESPONSIBLE INDIVIDUAL

ORGANIZATION ADDRESS

[illegible]

APPENDIX 5

ATTACHMENT C

INVENTORY AND MAINTENANCE PROCEDURES

I. PURPOSE

This attachment sets forth inventory and maintenance procedures in Pennsylvania for dosimetry, chargers, survey meters and Potassium iodide (KI) intended for use in response to incidents at fixed nuclear facilities.

II. DEFINITIONS

For the purpose of this attachment, the following definitions are applicable:

- A. Inspection - A visual check for physical damage and missing accessories to include batteries (for the CD V-750 and CD V-700) which should be stored separately.
- B. Operational check -
  - 1. Self-reading dosimetry (CD V-730, CD V-742, OR Dosimetry Corporation of America Model 622) - The dosimetry is operational if the hairline can be moved to or close to zero using a dosimeter charger.
  - 2. Dosimeter charger (CD V-750) - The charger is operational if the light source for reading dosimeters is working and the charger can move the hairline on a self-reading dosimeter to or close to zero.
  - 3. Survey meter (CD V-700) - The survey meter is operational if after turning the selector switch to the X10 range, allowing 30 seconds and warmup, opening the shield on the probe and placing



the open area of the probe as close as possible to the operational check source located on the instrument case, the meter reads between 1.5 and 2.5 mR/h.

- C. Special RERP issue - Refers to dosimeters, dosimeter chargers and survey meters that are either civil defense or commercial equipment issued to selected counties for the express purpose of response to nuclear facility incidents; this equipment is in addition to civil defense kits issued to counties as a preparedness measure for nuclear attack.
- D. Set aside - Refers only to CD V-742 dosimeters and CD V-750 dosimeter chargers originally issued to counties as part of civil defense kits for use in the event of nuclear attack. These two items have, in some cases, been removed from the kits (but still stored in the proximity of the kits) and "set-aside" for ready availability if a nuclear power plant incident should occur. This equipment, of course, can be placed back into the civil defense kits if nuclear attack becomes a heightened concern. (Note: Most of the CD V-742's and CD V-750's designated for response to nuclear facility incidents are "special issue" and only a small portion are "set-aside." Further, not all counties are involved in this set-aside, since some counties received a full special issue.)

### III. INVENTORY AND MAINTENANCE PROCEDURES

- A. Annually, during the month of January, each risk and support county for nuclear power facilities in Pennsylvania will physically conduct a complete inventory of all special RERP issue or set-aside of dosimeters, dosimeter chargers, survey meters, KI and related forms (see Tab A). Using the form provided (Tab A), the county coordinator will report the results of the inventory to PEMA.
- B. At least once each year PEMA will physically conduct an inventory-inspection-operational check of the special issue and set-aside equipment and KI. Affected county emergency management agencies are

responsible for making available all such equipment and KI at a central location.

- C. PEMA will provide an annual KI report to the Department of Health.
- D. These procedures pertain only to the special RERP issue or set-aside of equipment and KI for response to nuclear power facility incidents and in no way changes or alters other established procedures for RADEF equipment.

#### IV. THERMOLUMINESCENT DOSIMETERS

Each year, based on the original issue date, PEMA will conduct an exchange of new-for-old TLD's with each county involved in response to nuclear power facility incidents. When the annual replacements are received from the TLD service contractor, PEMA will exchange the TLD's on a one-for-one basis with the respective county(ies).

There are no maintenance requirements for the TLD's and each has a usable life of only one year.

TAB:

1. Fixed Nuclear Facility Special Equipment-KI Forms Inventory Report Form

TAB 1

ATTACHMENT C

FIXED NUCLEAR FACILITY SPECIAL EQUIPMENT-KI  
FORMS INVENTORY REPORT FORM

BUCKS COUNTY

I, \_\_\_\_\_, certify that a physical  
(name of individual conducting the inventory)  
inventory of the equipment and KI issued to or set-aside by this county  
specifically for response to incidents at nuclear power plants was conducted  
on \_\_\_\_\_, 19\_\_ and the results of such inventory are as follows:

<u>Equipment/KI/Forms</u>	<u>1</u> Quantity Special Issue	<u>2</u> Quantity Set-Aside	<u>3</u> Total Columns 1&2	Physical Inventory Quantity
1. CD V-730 self-reading dosimeter	_____	_____	_____	_____
2. Dosimeter Corporation of America Model 622 self-reading dosimeter (commercial equivalent of CD V-730)	_____	_____	_____	_____
3. CD V-740 self-reading dosimeter	_____	_____	_____	_____
4. CD V-742 self-reading dosimeter	_____	_____	_____	_____
5. CD V-750 dosimeter charger	_____	_____	_____	_____
6. TLD (thermoluminescent dosimeter) Serial numbers _____ through _____ and _____ through _____	_____	_____	_____	_____
7. CD V-700 survey meter	_____	_____	_____	_____
8. Bottles of KI (14 tablets)	_____	_____	_____	_____
9. Copies of "Dosimetry-KI Report Form"	_____	_____	_____	_____
10. Copies of "Decontamination Monitoring Report Form"	_____	_____	_____	_____
11. Copies of "Farmer Emergency Worker Certification"	_____	_____	_____	_____

NAME OF INVENTORY CLERK: \_\_\_\_\_

(please print or type)

INVENTORY CLERK'S SIGNATURE: X \_\_\_\_\_

DATE: \_\_\_\_\_

SIGNATURE-COUNTY COORDINATOR: X \_\_\_\_\_

DATE: \_\_\_\_\_

APPENDIX 5

ATTACHMENT D

DOSIMETRY-SURVEY METER-KI DISTRIBUTION LIST

DECONTAMINATION MONITORING ORANIZATION	CD V-750's	CD V-742's	TLD's	CD V-700's	BOTTLES OF KI	DOSIMETRY-KI REPORT FORMS	DECONTAMINATION MONITORING REPORT FORMS
1. Perkasio Fire Company	2	30	30	15	30	30	3,750
2. Sellersville Fire Company	1	7	7	4	7	10	750
3. Ottsville Fire Company	1	10	10	5	10	10	2,000
4. Doylestown Fire Company	1	7	7	4	7	10	750
5. Midway Fire Company	1	7	7	4	7	10	750
6. Chalfont Fire Company	1	18	18	9	18	20	2,000
7. Warrington Fire Company	1	4	4	2	4	5	250
8. Eagle Fire Company	1	5	5	3	5	5	500
9. Warminster Fire Company	1	7	7	4	7	10	750
10. Hartsville Fire Company	1	5	5	3	5	5	500
11. Southampton Fire Company	1	3	3	2	3	5	250
12. Lingohocken Fire Company	1	12	12	6	12	15	1,250
13. Parkland Fire Company	1	12	12	6	12	15	1,250
14. Langhorne Fire Company	1	18	18	9	18	20	2,000
15. Trevoze Fire Company	1	3	3	2	3	5	250
16. Newtown Fire Company	1	7	7	4	7	10	750

DECONTAMINATION MONITORING ORGANIZATION	CD V-750's	CD V-742's	TLD's	CD V-700's	BOTTLES OF KI	DOSIMETRY-KI REPORT FORMS	DECONTAMINATION MONITORING REPORT FORMS
17. Northampton Fire Company	1	5	5	3	5	5	500
18. Fairless-Hills Fire Company	2	50	50	25	50	75	5,500
19. Yardley-Makefield Fire Company	1	20	20	10	20	25	2,250
20. Levittown Fire Company #2	1	10	10	5	10	15	2,000
21. Bristol 3rd Dist. Fire Company	1	7	7	4	7	10	750
22. Bristol Consolidated	1	3	3	2	3	5	250
23. Eddington Fire Company	1	25	25	13	25	30	2,750
24. Union Fire Company of Cornwells	1	7	7	4	7	10	750
25. Nottingham Fire Company	1	10	10	5	10	15	1,000
COUNTY RESERVE	7	33	45*	10	33	59	0
TOTAL	30	225	237	161	225	425	32,500

\*Includes five percent allotment for control TLD's.

APPENDIX 5

ATTACHMENT E

DECONTAMINATION MONITORING ASSIGNMENTS

<u>RECEPTION CENTERS</u>	<u>MASS CARE CENTER</u>	<u>DECONTAMINATION TEAMS*</u>
1. County Line Plaza Souderton	1. Pennridge Upper HS 2. Pennridge Lower HS 3. Pennridge Central Jr. HS 4. Pennridge South Jr. HS 5. Palisades HS 6. Upper Bucks Vo-Tech	Perkasie FC Perkasie FC Sellersville FC Perkasie FC Ottsville FC Perkasie FC
2. Montgomery Mall	1. C B West HS 2. C B East HS 3. Lenape Jr. HS 4. Unami Jr. HS 5. Tanamend Jr. HS 6. Holicong Jr. HS 7. New Hope - Solebury HS 8. William Tennent HS 9. Log College Jr. HS 10. Klinger Jr. HS 11. Bucks Co. Comm. College 12. Delaware Valley College	Doylestown FC Midway FC Doylestown FC Chalfont FC Warrington FC Midway FC Eagle FC Warmister FC Hartsville FC Southampton FC Newtown FC Chalfont FC
3. Neshaminy Mall	1. Neshaminy-Langhorne HS 2. Neshaminy Middle Jr. HS 3. Poquessing Jr. HS 4. Council Rock HS 5. CRIS-Holland 6. CRIS-Newtown 7. CRIS-Richboro 8. Pennsbury HS 9. Charles Boehm HS 10. Medill Bair HS 11. Pennwood Jr. HS 12. William Penn Jr. HS 13. Morrisville HS 14. Wilson HS 15. Delhaas HS 16. Armstrong Jr. HS 17. Roosevelt Jr. HS 18. Franklin Jr. HS 19. Bristol Borough HS 20. Bensalem HS	Parkland FC Langhorne FC Feasterville FC Newtown FC Northampton FC Newtown FC Northampton FC Fairless-Hills #1 FC Fairless-Hills #1 FC Fairless-Hills #1 FC Yardley-Makefield FC Yardley-Makefield FC Capital View FC Levittown FC #2 Bristol 3rd Dist. FC Levittown FC #2 Bristol 3rd Dist. FC Levittown FC #2 Bristol Consolidated FC Eddington FC

\*These are primary assignments. Depending upon availability at the time of emergency, other trained personnel may also be assigned.



- 21. Neil Armstrong Jr. HS
- 22. Cecelia Snyder Jr. HS
- 23. Holy Ghost Prep.
- 24. Robert Shaffer MS

Eddington FC  
Eddington FC  
Cornwells No. 1 FC  
Eddington FC

APPENDIX 6

MEDICAL SERVICES SUPPORT

ATTACHMENTS:

- A - County Hospitals Capable of Radiation Treatment
- B - Ambulance Services
- C - Air Evacuation

APPENDIX 6

ATTACHMENT A

BUCKS COUNTY HOSPITALS

The hospitals and medical services of Bucks County that can support evacuation and treatment of contaminated/irradiated individuals are:

<u>HOSPITAL</u>	<u>CAPACITY (# BEDS)</u>	<u>TREATMENT OF CONTAMINATED INDIVIDUALS</u>	<u>CAN SUPPORT AIR MEDICAL EVACUATION*</u>
A. GRANDVIEW	198	Yes	Yes
B. QUAKERTOWN COMMUNITY HOSPITAL	95	Yes	Yes
C. DOYLESTOWN HOSPITAL	161	Yes	Yes
D. WARMINSTER GENERAL	150	Yes	Yes
E. ST. MARY HOSPITAL	156	Yes	Yes
F. LOWER BUCKS HOSPITAL**	323	Yes	Yes
G. DELAWARE VALLEY MEDICAL CENTER	210	Yes	Yes

\*No Bucks County hospital has an established helipad, but these can receive (helicopter) transportation at or near the facility.

\*\*Lower Bucks Hospital will be used as the primary county hospital in the treatment of irradiated individuals.

APPENDIX 6ATTACHMENT BBUCKS COUNTY AMBULANCE RESOURCES

<u>CALL NUMBER</u>	<u>SQUAD NAME</u>	<u>TELEPHONE</u>	<u># OF VEHICLES</u>
119	American Medical Services, Inc. 275 South Main Street Post Office Box 832 Doylestown, PA 18901	B 348-4501 E 348-4500	3
185	Bensalem Rescue Squad 3800 Hulmeville Road Post Office Box 972 Bensalem, PA 19020	B 245-4305 E 639-5802	4
143	Bucks County Rescue Squad 3801 Otter Street Bristol, PA 19007	B 788-0445 E 788-0444	4
125	Central Bucks Ambulance & Rescue Unit 455 East Street Doylestown, PA 18901	B 348-8380 E 348-5803	7
34	Chalfont Chemical Fire Company Ambulance Box 297 Chalfont, PA 18914	B 822-9685 E 833-0766	2
48	Delaware Valley Volunteer Fire Company Ambulance Squad Rural Delivery Erwinna, PA 18920	B 294-9120 E 294-9117	1
23	Dublin Volunteer Fire Company Ambulance Dublin, PA 18914	B 249-9588 E 249-3444	1
67	Independent Fire & Ambulance Company 42 Belmont Square Doylestown, PA 18901	B 348-2372 E 345-1322	1
154	Levittown-Fairless Hills Rescue Squad 7405 New Falls Road Levittown, PA 19056	B 547-2822 E 946-1223	5

<u>CALL NUMBER</u>	<u>SQUAD NAME</u>	<u>TELEPHONE</u>	<u># OF VEHICLES</u>
16	Milford Ambulance Corps Post Office Box 176 Milford Square, PA 18953	B 795-2904 E 795-2904	2
139	Morrisville Ambulance Squad Post Office Box 282 Morrisville, PA 19067	B 295-6766 E 295-7562	2
145	Newtown American Legion Ambulance Mercer Street Newtown, PA 18940	B 968-3500 E 968-3500	3
168	Penndel-Middletown Emergency Squad 616 East Lincoln Highway Langhorne, PA 19047	B 757-2663 E 757-0222	4
26	Perkasie Volunteer Fire Company Ambulance Fifth and Arch Streets Perkasie, PA 18944	B 257-6950 E 257-2224	2
24	Plumsteadville Volunteer Fire Company Ambulance Post Office Box 391 Plumsteadville, PA 18949	B 766-8250 E 766-8654	2
177	Point Pleasant Volunteer Fire Company Ambulance Post Office Box 107 Point Pleasant, PA 18950	B 297-5167 E 766-8654	1
17	Quakertown Fire Company Ambulance Box 398 Quakertown, PA 18951	B 536-3743 E 536-2121	2
42	Riegelsville Emergency Squad Post Office Box 253 Riegelsville, PA 18077	B 749-2687 E 749-2333	2
114	Trevoise Heights Rescue Squad 1440 Bridgetown Pike Feasterville, PA 19047	B 357-0473 E 357-2771	6
108	Upper Bucks Advanced Life Support Service c/o Quakertown Hospital Eleventh & Park Avenue Quakertown, PA 18951	B 536-0111 E	1 (responder vehicle only)

<u>CALL NUMBER</u>	<u>SQUAD NAME</u>	<u>TELEPHONE</u>	<u># OF VEHICLES</u>
122	Warminster Ambulance Corps Post Office Box 86 Warminster, PA 18974	B 675-6611 E 674-3333	3
29	Warrington Community Ambulance Corps Post Office Box 36 Warrington, PA 18976	B 343-3469 E 343-3200	2
100	Yardley-Makefield Consolidated Emergency Unit Post Office Box 307 Yardley, PA 19067	B 493-4222 E 547-5222	3



APPENDIX 6

ATTACHMENT C

AIR (HELICOPTER) MEDICAL EVACUATION

I. SITUATION

- A. The Pennsylvania State Police and the Pennsylvania National Guard will provide air evacuation of patients when this need is determined by PEMA during an incident at the Limerick Generating Station.
- B. The determination of helicopter readiness will depend upon:
  - 1. Whether evacuation of patients was preplanned and sufficient lead time is allowed to mobilize crews. (Normally 6 hours to mobilize Pennsylvania National Guard.)
  - 2. The location and urgency of the situation.
- C. Evacuation of patients may be accomplished at the site of hospitals and nursing homes if space allows for a minimum 200' x 100' landing area and the approach is conducive to a helicopter descent.

II. MISSION

- A. To provide transportation for patients by air evacuation when time is an important factor.
- B. Non-ambulatory patients to be transported are those from hospitals and nursing homes.

III. POLICIES GOVERNING THE USE OF NATIONAL GUARD AND PENNSYLVANIA STATE POLICE HELICOPTERS

- A. National Guard

1. Department of Defense (DOD) Directive 45.15.13R governs the use of National Guard aircraft. The general policy governing the use of National Guard aircraft is that they may only be used in support of a state or federal mission.
2. Official purposes for utilizing National Guard aircraft are:
  - a. In direct support of the military mission (federal or state).
  - b. When specifically authorized by law.
  - c. When approved by Department of Defense after the head of a federal department or agency has certified the mission to be in the national interest and commercial transportation is not available.
  - d. When the mission is of an emergency nature involving a potential loss of life and commercial transportation is not available, feasible or adequate.

B. Pennsylvania State Police

1. In the event of an incident at the Limerick Generating Station, the PSP helicopters are available and have been authorized by the Governor to provide medical air evacuation if required.
2. Patients may be transferred by PSP helicopter when:
  - a. Ground transportation is not readily available.
  - b. Ground ambulance access to the incident is prevented.
  - c. Speed is essential.

- d. Advanced emergency care would otherwise be lacking or non-existent.

#### C. Responsibilities

1. The Pennsylvania Department of Health in coordination with PEMA is the responsible agency for coordinating medical air evacuation efforts.
2. PSP prefers to have either a physician or a registered nurse accompany each patient during helicopter medical evacuation. During an emergency, their policy may have to be modified to include a qualified person to administer emergency care and, therefore, assume responsibility for patient care.
3. PSP ground patrols will provide the necessary ground to air coordination of activities during the time the helicopters are airborne.
4. The Army National Guard will coordinate their ground to air activities through their own communications system. Communications between PSP and National Guard are possible.
5. Bucks County Emergency Operating Center will provide necessary assistance concerning communications whenever possible. (National Guard helicopters can communicate on the primary fire frequency of 46.12.)

#### D. Specific Helicopter Area Operation

1. National Guard helicopters can provide approximately nine (9) chinooks (CH-47) and thirty (30) UH (Huey) helicopters.
2. Helicopter patient carrying capabilities:
  - a. Chinook - CH-47:

(1) Max. 12 litters with three (3) attendants..

(2) 33 seats.

b. Huey - UH-1B:

(1) Max. 3 litters with two (2) attendants.

(2) 10 seats.

3. PSP

a. 206B Jet Rangers (7)

(1) Max. 2 litters with one (1) attendant.

(2) four passengers.

APPENDIX 7

PUBLIC INFORMATION

ATTACHMENTS:

- A - General Information
- B - Media Listing
- C - Evacuation Announcement
- D - Reentry Announcement

APPENDIX 7

ATTACHMENT A

GENERAL INFORMATION

- I. The Bucks County Board of Commissioners, and the Coordinator of the county emergency management agency, in consultation with PEMA, are responsible for the release of prepared instructions to the public, in the event of an incident at the Limerick Generating Station.
- II. The Bucks County PIO, supported by the EMA Coordinator, with the assistance of PEMA, will prepare and update, prepared statements for broadcast in the event of an emergency.
- III. If an incident reaches the SITE EMERGENCY or the GENERAL EMERGENCY level, and an evacuation is imminent or has been declared, the Bucks County Commissioners, assisted by the County EMA and PIO, may commence issuing public information statements explaining the governmental actions being taken by the county. The purpose of these statements is to provide accurate information, prevent panic, and to counteract misinformation and rumors.
- IV. The Chairman of the County Board of Commissioners, or his designee, will serve as the county spokesperson in the event of an incident at the Limerick Generating Station. The county spokesperson will be briefed by the County PIO prior to the release of information to the public during an emergency.
- V. A Rumor Control Center (RCC) will be established by the County EMA whenever the EUC is activated in support of this plan. The PIO is responsible for the staffing and operation of the rumor control telephone. The rumor control telephone number for Bucks County is 215-348-9401.



APPENDIX 7  
ATTACHMENT B  
MEDIA LISTING

<u>NEWSPAPER PUBLISHERS</u>	<u>ADDRESS</u>	<u>PHONE NO.</u>
Advance of Bucks County (weekly)	140E Richardson Ave. Langhorne, PA 19047	757-6767
Bucks County Courier Times* (daily)	Rte 13 Levittown, PA 19058	943-1000
Free Press	312-314 W. Broad St. Quakertown, PA 18951	536-6820
Daily Intelligencer* (daily)	333 N. Broad St. Doylestown, PA 18901	345-3000
Philadelphia Daily News	400 N. Broad St. Philadelphia, PA 19130	563-5200
Philadelphia Inquirer	Att: Northeast Section 400 N. Broad St. Philadelphia, PA 19130	563-1600
Bethlehem Globe-Times	202 W. 4th St. Bethlehem, PA 18015	867-7671 434-4891
Easton Daily Express	30 N. 4th St. Easton, PA 18042	258-7171
Morning Call (Allentown)	101 N. 6th St. Allentown, PA 18101	433-4341
Today's Spirit	103 N. York Rd. Hatboro, PA 19040	675-3430
Trenton Times	Att: Bucks County Page 500 Perry St. Trenton, NJ 08605	609-396-3232
Trentonian	600 Perry St. Trenton, NJ 08618	609-989-7800

\*Bucks County Specific

RADIO/ TELEVISION	ADDRESS	PHONE NO.
Lower Bucks Cablevision	4211 Wister Rd. Levittown, PA 19053	547-3800
WBCB Radio* (1490 AM)	200 Magnolia Drive Levittown, PA 19054	949-1490 HO 4-1490
WBUX Radio* (1570 AM, day only)	Box 512 Doylestown, PA 18901	348-3583 DI 3-0220
WCSD FM Radio* (day only)	P. O. Box 2012 Warminster, PA 18974	672-3278
(PHILADELPHIA) KYW TV & Radio	1619 Walnut St. Philadelphia, PA 19103	564-3700
WCAU TV & Radio	City & Monument Aves. Philadelphia, PA 19131	839-7000
WFIL Radio	4100 City Line Ave. Philadelphia, PA 19137	878-9700
WIP Radio (Primary EBS Station)	19th & Walnut Sts. Philadelphia, PA 19101	568-2900

\*Bucks County Specific

APPENDIX 7

ATTACHMENT C

PUBIC INFORMATION ANNOUNCEMENT

EVACUATION

"This announcement has been released by the Bucks County Emergency Management Agency."

"There has been an emergency at the Limerick Generating Station requiring evacuation of residents within ten miles of the plant. This evacuation DOES NOT affect the residents of Bucks County. I repeat. This evacuation DOES NOT affect the residents of Bucks County."

"Three (3) reception centers for evacuees entering Bucks County from Montgomery County have been established.

People evacuating from affected areas of Montgomery County via Route 73 South who need a place to stay should follow Route 73 South to Route 202 North to the Montgomery Mall Reception Center.

Those evacuating via Route 113 North who need a place to stay should follow Route 113 North to the County Line Plaza Reception Center in Souderton.

Those evacuating via Route 363 South who need a place to stay should follow the Pennsylvania Turnpike East, exit at the Philadelphia Exit No. 28, and follow US Route 1 North to the Neshaminy Mall Reception Center."

"Emergency personnel at these reception centers will assign you to a Red Cross Mass Care Center"

"Bucks County residents are requested to avoid the following routes and intersections:

APPENDIX 7

ATTACHMENT C (CONT'D.)

- a. Route 202
- b. Route 113 in Souderton
- c. Route US 1 North at Exit 28 of the Turnpike

"I repeat. . . (Announcer should repeat this entire announcement immediately, and then periodically re-broadcast until requested to broadcast a new announcement or terminate, by the Bucks County EMA.)

APPENDIX 7

ATTACHMENT D

PUBLIC INFORMATION ANNOUNCEMENT

REENTRY & RECOVERY

The following message has been released by the Pennsylvania Emergency Management Agency and affects all residents who have evacuated the ten-mile area around the Limerick Generating Station.

"The Governor has announced that residents who evacuated the area around the Limerick Generating Station may begin the orderly return to their homes.

Procedures for reentry to the evacuated area have been planned to ensure the safety of all returning evacuees. Persons in mass care centers will be notified by center staff of their scheduled return. They should wait for notification before proceeding.

Return routes, which are generally the same as those used for evacuation, will be manned by emergency personnel.

It is requested that each family cooperate with the municipalities which have been your hosts during this emergency by helping to restore evacuation facilities to their original condition and by assisting with general area clean-up before leaving.

The preceding has been an announcement by the Pennsylvania Emergency Management Agency concerning reentry of evacuated residents to the area surrounding the Limerick Generating Station. Please stay tuned to this station for further information."

(Repeat this message one time, then end transmission.)