

Kanawha Putnam Emergency Management Plan Functional Annex	
Radiological / Nuclear Response	A18
Revised December 2025; Reviewed Biennially	
NRP Coordination:	
Primary Agency:	Kanawha and Putnam Health Department / Rad-Health
Support Agencies:	<ul style="list-style-type: none"> ▪ Fire Departments ▪ Law Enforcement ▪ EMS ▪ RRT ▪ CST ▪ Public Works ▪ Central West Virginia Chapter of AmericanRed Cross ▪ WVDEP ▪ National Weather Service

I. Introduction

This All-Hazard Plan describes tasked individuals and organizations for addressing radiological emergencies other than what is addressed in Functional Annex A-16 Chemical/ Hazmat Response.

A. Purpose

The purpose of this Annex is to describe policies and procedures for mobilizing and managing specialized response teams not addressed in [Functional Annex A-16 – Chemical / Hazmat Response](#).

B. Scope of Work

The scope of this Annex describes the responsibilities and activities of all primary and support agencies for providing Emergency Identification

Response and protection from Alpha, Beta, and Gamma radiation which has been released during explosions or other radiological accidental releases.

This Annex is activated in response to large scale emergencies and disaster events that would cause sufficient casualties and/or fatalities that may overwhelm local medical, health, and mortuary service capabilities.

II. Situation and Assumptions

This section provides a general assessment and overview of the jurisdictions Radiological Defense Capabilities in Kanawha and Putnam Counties. It focuses on the counties capabilities to provide radiological monitoring for large scale decontamination of radioactive fallout.

This section also addresses limitations that may impair emergency operations. Some of those limitations may include:

- A. Inability of rescuers to enter blast and fallout areas due to high levels of radiation.
- B. Lack of mobile decontamination teams to clean and contain Alpha and Beta particles.
- C. Electro Magnetic Pulse damage to motorized vehicles, electric battery vehicles, and communications equipment.
- D. Citizens may be required to stay indoors for several days before radiation levels drop to allowable limits for short term exposure, expect at least two weeks.
- E. Following a nuclear attack or explosion there would be little or no assistance from sources outside Kanawha and Putnam counties.
- F. For peacetime radiological incidents, the licensee and agencies listed in hazmat section of the plan will address such incidents.

III. Concept of Operations

This section describes how radiological operations will be conducted in Kanawha and Putnam Counties, and in cooperation with other jurisdictions, as well as State and Federal government.

- A. Emergency Management Department will establish a Radiological Monitoring network feeding data to Putnam and Kanawha Emergency Operations Center. The Emergency Operations Center will forward on to the State Emergency Operations Center during increased threat conditions provided by Federal and State government.
- B. Emergency Management Department will provide fixed monitoring stations for shelters and Emergency Operations Center during increased threat provided from Federal and State government.
- C. Emergency Management Department will address radiological monitoring training, equipment, and requirements during increased readiness conditions issued by State and Federal Homeland Security.

IV. Communications

- A. A standard radiological protection reporting system is established and will be used for the purpose of this plan for Kanawha and Putnam Counties.
- B. Telephones, both land and cell, will be utilized to report radiological effects after nuclear attack, see Functional Annex A03—Communications.

V. Supporting Agencies

All supporting agencies will have a representative at the EOC. During increased threat conditions issued from US Department of Homeland Security to State and county utilizing the National Warning system, Public works will be notified to bring earth moving equipment to the Emergency Operations Center and build slanting federal blast and fallout protection. Public shelters located by American Red Cross will also undergo protection procedures.