

	STANDARD OPERATING PROCEDURE <small>State Form 39870(R/S-06)</small>	Reference Number ENF-019
	Subject Personal Radiation Detectors (PRD)	
	Special Instructions Replaces ENF-019 dated March 1, 2015	Effective Date February 24, 2026

I. PURPOSE

Establish guidelines for the daily operational procedures for Personal Radiation Detectors (PRD) assigned to Department personnel.

II. POLICY

Department issued Personal Radiation Detectors shall be used by Department employees to detect, prevent, and report illicit possession or transportation of radioactive or nuclear materials or devices prescribed in this directive.

III. DEFINITIONS

A. PERSONAL RADIATION DETECTOR (PRD) - A compact electronic device designed to detect and measure ionizing radiation levels in real time.

B. PRD ALARM – An alarm in the form of an audible, visual, and/or vibratory alert that activates when the PRD detects ionizing radiation levels exceeding predefined thresholds.

IV. PROCEDURE

A. Personnel assigned a PRD shall:

1. Attend all required PRD related training;
2. While on duty the PRD shall be worn on their duty belt or maintained in their commission with the device powered on and operational, however;
3. When out of the commission for extended periods (crash investigations, race details, etc.), the PRD shall be worn on their duty belt; and,
4. Report any possible problems with their PRD to their supervisor.

B. Supervisors of PDR equipped personnel shall:

1. Attend all required PRD related training; and
2. Ensure their personnel utilize the PRD in compliance with this directive.

C. Alarm Procedures ;

1. Upon detection of a PRD alarm, the officer shall:

a. Note the displayed dose rate, radiation type (e.g., gamma or neutron), and any relevant contextual factors.

- b. Immediately verify the alarm by attempting to repeat and localize the source through movement relative to the suspected area or by utilizing a second PRD if available.
- c. Conduct a basic law enforcement investigation, including questioning the individual(s) regarding potential legitimate sources of radiation (such as recent medical procedures involving radioactive materials or properly documented and placarded shipments), and assess the totality of circumstances—including behavior, interview responses, and alarm characteristics—to determine if the source is benign and the alarm can be adjudicated without further action.
- d. If the alarm cannot be conclusively adjudicated as non-threatening through primary investigation, request assistance from another trained officer equipped with a PRD to independently verify and localize the radiation source for confirmation.
- e. If the alarm remains unexplained, exceeds safe thresholds, or indicates a potential radiological hazard (e.g., elevated readings inconsistent with explanations or possible illicit material), contact the Indiana Department of Homeland Security Emergency Operations Center Watch Desk at (317) 232-3830 for guidance, technical support, or escalation to appropriate state or federal resources, while securing the area and prioritizing personnel safety.
- f. The employee shall notify or cause notification of Operations. Capitol Police Section (CPS) officers shall also notify CPS dispatch and the on-duty supervisor.

D. Training

- 1. Initial training shall include use of specific PRD and basic radioactive/nuclear awareness; and
- 2. Follow up PRD and/or radioactive-nuclear training as required.

E. Reporting Employee Exposures

- 1. Employees who are exposed to hazardous substances, including ionizing radiation levels exceeding established safety thresholds, during the performance of their official duties shall promptly report the exposure in accordance with the procedures outlined in this policy and any applicable departmental directives to ensure proper documentation, medical evaluation, and follow-up.
- 2. The affected employee's immediate supervisor shall submit any required reports on behalf of the employee if the employee is unable to do so due to injury or incapacitation. All personnel who sustain injury, illness, or suspect prolonged or significant exposure to such hazards shall complete and submit the appropriate incident and exposure reports without delay.

F. This procedure is to be used in conjunction with all relevant Department regulations, rules, policies, and procedures.