

 <p><b>Cambridge Police Department</b></p>	<b>POLICY &amp; PROCEDURES</b>		<b>No. 725</b>
	Subject/Title: <b>Radiological Site Response Protocols</b>		
	Issuing Authority:  Robert C. Haas Police Commissioner		Issue Date: Spring 2009 In-Service Training Effective Date:
			Review Date: Rescinds:
References/ Attachments:		Accreditation Standards:  46.1.3 & 46.1.6	

## I. PURPOSE:

The purpose of this directive is to establish the specific protocols to be followed when the Cambridge Police Department is called upon to respond to security breaches at locations where radioactive material, or devices that contain such material, are stored, consistent with public health and safety.

- **Background:** Several entities in the City of Cambridge are licensed by the Nuclear Regulatory Commission (NRC) to possess radioactive material in quantities of concern for research, medical, and/or commercial purposes. Federal law requires that private or public entities who obtain such licenses must have security measures in place to secure, from unauthorized removal or access, licensed radioactive materials that are stored in controlled or unrestricted areas. *See 10 C.F.R. §§ 20.1801, 20.1802 (2008)*. A licensee's loss of control of high-risk radioactive material, whether through inadvertence or through a deliberate act, has the potential to constitute a serious threat to public health and safety. The NRC requires that licensees have a pre-arranged plan with local law enforcement agencies for assistance in responding to an actual or attempted theft, sabotage, or diversion of radioactive material which is consistent in scope and timing with the risk and vulnerability of the loss of such sources.
- **Objectives:** This Procedure will:
  1. Define the different alert levels to be used for identifying the potential public health and safety risk caused by security breaches at locations housing radioactive material quantities of concern.
  2. Set out in detail the required law enforcement response to a confirmed breach of security at a location housing radioactive material quantities of concern.

3. Define the relative roles and responsibilities of the Cambridge Police Department, and the Emergency Communications Center in identifying and responding to breaches of security at locations where radioactive material quantities of concern are housed.

## II. POLICY:<sup>1</sup>

It is the policy of the Cambridge Police Department to adhere to this set of guidelines as it pertains to response protocols to those sites locations where radioactive material, or devices that contain such material, are stored, consistent with public health and safety. In those situations that have been identified as a Level 3 or Level 4 response, the department will actively engage the Incident Command System, and coordinate its activities with other responding public safety and emergency response units.

## III. DEFINITIONS:

- A. **Radioactive Material:** Radiation material, ionized radiation, source material, special nuclear material, or byproduct material used for any medical, commercial or research activity. *See 10 C.F.R. §20.1903 (2008).*
- B. **Quantities of Concern:** quantities defined by the NRC that pose a potential risk to public health and safety.
- C. **Security Office:** Security command center of the building.
- D. **Licensee:** A public or private entity in the City of Cambridge that stores radioactive material quantities of concern in its facility.
- E. **Intelligence Officer:** Route car sent to the security office of the building.
- F. **Meeting Place:** The location where the Incident Commander will pick up response kit and meet building security, location to be given to IC by ECC.

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<sup>1</sup> CALEA Std.: **46.1.3 (a)** – *At a minimum, the command function will address the following: a. activating the incident command system;*

#### IV. ALERT LEVELS DEFINED:

- A. ALERT LEVEL 1:** An alarm related to possible or actual unauthorized access to a licensee’s premises, including but not limited to the setting off of a burglar alarm, intrusion alarm, or other alarm. This alert level does not involve any suspicious activity related to the radioactive material stored at the licensee’s premises.
- B. ALERT LEVEL 2:** A report of a breach of security at a licensee’s premises that does not involve the actual or threatened loss of radioactive material. It would encompass a report of the presence of unauthorized or suspicious person(s) who are not suspected of having designs on the radioactive material stored at the licensee’s premises.
- C. ALERT LEVEL 3:** An authorized representative of a licensee has **CONFIRMED** that unauthorized person(s) are attempting to or have entered into the area where the radioactive material of concern is stored, and may or may not be removing the radioactive material quantities of concern from the protective storage facility.
- D. ALERT LEVEL 4:** An authorized representative of a licensee has **CONFIRMED** that an unauthorized person(s) has actually removed radioactive material of concern from the protective storage facility. This alert also indicates that there has been a radiation exposure at the location of the radioactive material quantities of concern.

#### V. RESPONDING TO CALLS FOR ‘ALERT LEVEL 3’ & ‘ALERT LEVEL 4’:<sup>2</sup>

**A. Responsibilities of Emergency Communications Center (ECC):<sup>3</sup>**

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<sup>2</sup> CALEA Std.: **46.1.3** – *At a minimum, the command function will address the following:*

- a. activating the incident command system;*
- b. establishing a command post;*
- c. initiating the notification and mobilization of additional agency personnel;*
- d. obtaining support from other agencies;*
- e. establishing a staging area, if necessary;*
- f. providing public information and maintaining media relations;*
- g. maintaining the safety of all affected personnel; and*
- h. preparing a documented after action report.*

<sup>3</sup> CALEA Std.: **46.1.6 (a)** – *At a minimum, the logistics function will address the following: a. communications;*

1. Dispatchers receiving a telephone report of an Alert 1 or 2 shall respond to the call in the normal course.
2. Dispatchers receiving a telephone report of a confirmed **Alert 3** or **Alert 4** shall attempt to obtain the following information:
  - a. The number of suspects;
  - b. Description of suspects;
  - c. Direction of flight, if applicable;
  - d. Nature of material in question;
  - e. Whether or not there has been a radiological exposure at the licensee's location;
  - f. If notification to the licensee Environmental Health Safety Officer has been made and their response time.
3. When a confirmed Alert 3 or Alert 4 is dispatched, it will involve multiple disciplines and require an interoperable communications channel. Channel 6 interagency shall be assigned for interdisciplinary communications.
4. When an authorized representative of the licensee provides **CONFIRMATION** that an unauthorized person(s) is attempting to or has entered the location of the radioactive material of concern, the dispatcher shall:
  - a. Identify the call as requiring an "Alert Level 3" response;
  - b. Dispatch the Patrol Supervisor and or the Sector Sergeant and dispatch the call as an Alert Level 3;
  - c. Notify the Shift Commander.
5. When an authorized representative of the licensee provides **CONFIRMATION** that an unauthorized person(s) has removed a quantity of material of concern from its shielding, or provides **CONFIRMATION** of a radiation alarm, the dispatcher shall:
  - a. Identify the call as requiring an "Alert Level 4" response;
  - b. Dispatch the Patrol Supervisor and/or Sector Sergeant; and dispatch the call as an Alert Level 4.
  - c. Notify the Shift Commander.

- B. Patrol Response for Alert Levels 1 and 2:** There shall be a standard patrol response to a report of an Alert Level 1 or Alert Level 2 incident at a licensee’s premises. Responding officers should be alert to the licensee’s possession of radioactive material, however, and be prepared to seek an upgrade in the applicable alert level if circumstances warrant.
- C. Patrol Response for a CONFIRMED Alert Level 3:<sup>4</sup>**
1. The Patrol Supervisor, Patrol Sergeant, Patrol Response Vehicle, two (2) Sector Cars, and five (5) route cars, as well as a Cambridge Fire Division Chief, Engine 5, Rescue Company with the Hazmat vehicle will respond to the scene. The Incident Commander (“IC”) will respond to the designated meeting place to meet with representatives of the licensee, the IC will be given a response kit that will include at the minimum:
    - a. Maps of the building interior and clearly marked exits out of the building;
    - b. Master keys that will allow access to the building;
    - c. Some kits may have a device or devices to measure radiation.
  2. The five (5) responding route cars will set up at the direction of the IC an appropriate perimeter around the building allowing for clear lines of sight of all sides and possible exit routes from the building. At the direction of the IC, the Intelligence Officer will be sent to the security office of the licensee to view the live video of the incident and shall then open a clear channel of communication/information to the IC.
  3. The two (2) responding sector cars will respond to the front of the building that has been designated an alert level 3 and report to the IC; these officers could be used for the entry into the building to neutralize the situation.
  4. The Cambridge Fire Department Division Chief will meet and standby with the Police IC at the command post. Fire Department Division Chief may direct Fire Department Units after taking all safety precautions to take radiation measurements to establish contamination areas and possible sources of

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<sup>4</sup> CALEA Std.: **46.1.6** – *At a minimum, the logistics function will address the following:*

- a. communications;*
  - b. transportation;*
  - c. medical support;*
  - d. supplies; and*
  - e. specialized team and equipment needs.*
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radiation. Fire Department Units will stage outside the perimeter set up by the IC.

5. The IC will make the determination after receiving all available information on whether to evacuate the building or shelter in place.
6. To ensure adequate staffing for the Alert Level 3 or Level 4 response, all City-wide, non-priority one calls for service shall be suspended. If needed, any Police (Cambridge or Mutual aid agency) unit not initially assigned to the Level 3 or Level 4 incident can be used to supplement the incident or used for Priority One calls in the part of the City where the Alert Level 3 or Level 4 response is occurring.
7. If the required response to the incident is beyond the available resources of the Cambridge Police Department, mutual aid from the surrounding communities and state agencies should be sought.

**D. Patrol Response for a CONFIRMED Alert Level 4:**

1. The Patrol Supervisor and Patrol Sergeant, Patrol Response Vehicle, 2 (two) Sector Cars, and 5 (five) route cars as well as a Cambridge Fire Deputy, Engine 5, Rescue Company with the Hazmat vehicle will respond to the scene. The IC will respond to the designated meeting place (This designated meeting place is the location where the IC will pick up the response kit from building security, this location will be given to the IC by ECC) to meet with representatives of the licensee, the IC will be given a response kit that will include at the minimum:
  - a. Maps of the building interior and clearly marked exits out of the building.
  - b. Master keys that will allow access to the building.
  - c. Some kits may have a device or devices to measure radiation.
2. The 5 (five) responding route cars will set up at the direction of the IC an appropriate perimeter around the building allowing for clear lines of sight of all sides and possible exit routes from the building. At the direction of the IC one of the route cars (Intelligence Officer) will be sent to the security office of the licensee to view the live video of the incident and shall then open a clear channel of information to the IC.
3. The 2 (two) responding sector cars will respond to the front of the building that has been designated an alert level 4 and assist with the securing of the perimeter. When responding to an Alert level 4 that involves a radiological

release, officers are not to enter the building unless it is deemed safe to do so by the IC, after the IC has received all available information.

4. The Cambridge Police SRT will be activated for this Alert Level, and will be deployed as deemed necessary by the IC after consultation with the SRT Officer in Charge. The activation of the SRT **WILL NOT** curtail the initial response by the Cambridge Police Department.
5. If deemed necessary by the IC, the Cambridge Police Bomb Squad will be activated.
6. To ensure adequate staffing for the Alert Level 3 or Level 4 response, all City-wide, non-priority one calls for service shall be suspended. If needed, any Police (Cambridge or Mutual aid agency) unit not initially assigned to the Level 3 or Level 4 incident can be used to supplement the incident or used for Priority One calls in the part of the City where the Alert Level 3 or Level 4 response is occurring.
7. If the required response to the incident is beyond the available resources of the Cambridge Police Department, mutual aid from the surrounding communities and state agencies should be sought.
8. The Cambridge Fire Department Division chief will meet and standby with the Police IC at the command post. Fire Department Division Chief may direct Fire Department Units after taking all safety precautions to take radiation measurements to establish contamination areas and possible sources of radiation. Fire Department Units will stage outside the perimeter set up by the IC.