3.4.1.4 Hazardous Materials Technician

	YOUR ORGANIZATION STANDARD OPERATING PROCEDURES/GUIDELINES

TITLE: Hazardous Materials Technician	**SECTION/TOPIC:** General Hazmat Information
NUMBER: 3.4.1.4	**ISSUE DATE:**
	REVISED DATE:
PREPARED BY: X _____ Preparer	**APPROVED BY:** X _____ Approver
These SOPs/SOGs are based on FEMA guidelines FA-197	

1.0 POLICY REFERENCE

CFR	
NFPA	
NIMS	

2.0 PURPOSE

This standard operating procedure/guideline addresses Hazardous Materials Technicians.

3.0 SCOPE

This SOP/SOG pertains to all personnel in this organization.

4.0 DEFINITIONS

These definitions are pertinent to this SOP/SOG.

5.0 PROCEDURES/GUIDELINES & INFORMATION

5.1 Hazardous Materials Technicians:

Respond to a hazardous materials incident for the purpose of stopping the release. These individuals are often members of a Hazmat team.

Hazardous Materials Technician Level: Description

A. NFPA 472 *Professional Competence of Responders to Hazardous Materials Incidents* E.1.3 (Annex E) defines Hazardous Materials Technicians as "Those persons who respond to releases or potential releases of hazardous materials for the purpose of controlling the release. Hazardous materials technicians are expected to use specialized chemical protective clothing and specialized control equipment."

B. NFPA 472 *Professional Competence of Responders to Hazardous Materials Incidents* identifies core competencies for responders trained to the technician level. In addition to being competent at the first responder awareness and operations levels, the hazardous materials technician shall be able to perform the following tasks:

1. Analyzing a hazardous materials incident to determine the magnitude of the problem in terms of outcomes by completing the following tasks:

    a. Survey the hazardous materials incident to identify special containers involved to identify or classify unknown materials, and to verify the presence and concentration of hazardous materials through the use of monitoring equipment.

    b. Collect and interpret hazard and response information from printed resources, technical resources, computer data bases, and monitoring equipment.

    c. Determine the extent of damage to containers.

    d. Predict the likely behavior of released materials and their containers when multiple materials are involved.

    e. Estimate the size of an endangered area using computer modeling, monitoring equipment, or specialists in this field.

2. Plan a response within the capabilities of available personnel, personal protective equipment, and control equipment by completing the following tasks:

    a. Identify the response objectives for hazardous materials incidents.

b. Identify the potential action options available by response objective.

c. Select the personnel protective equipment required for a given action option.

d. Select the appropriate decontamination procedures.

e. Develop a plan of action, including safety considerations consistent with the local emergency response plan and the organization's standard operating procedures, and within the capability of the available personnel, personal protective equipment, and control equipment.

3. Implement the planned response to favorably change the outcomes consistent with the organization's standard operating procedures and safety considerations by completing the following tasks:

a. Perform the duties of an assigned hazardous materials branch position within the local incident management system (IMS).

b. Don, work in, and doff personal protective clothing, including, but not limited to, both liquid splash and vapor-protective clothing with appropriate respiratory protection.

c. Perform the control functions identified in the plan of action.

4. Evaluate the progress of the planned response by evaluating the effectiveness of the control functions.

5. Terminate the incident by completing the following tasks:

a. Assist in the incident debriefing.

b. Assist in the incident critique.

c. Provide reports and documentation of the incident.