This course is designed to prepare local emergency responders to systematically organize and operate during hazardous materials situations. This two day course uses a systematic algorithm to disseminate chemical properties using the NIOSH Pocket Guide, Safety Data Sheets (SDS’s) and many other chemical resources that may be used during a hazardous materials incident. With these skills it will make the emergency responder aware of the significant decision-making points responders will need for critical thinking for site safety for emergency responders and the public. The student will learn to develop incident action plans, tactical objectives, and determine safe operations by interpreting chemical properties found in the NIOSH Pocket Guide or any other chemical property reference material. This course will aid in improving plans for emergency response operations throughout incident response. In addition, this course will assist in devising a system for operational planning to support with decision-making skills in the early hours of a hazardous materials incident.