International Brotherhood of Teamsters· NIEHS Worker Training Grants
COURSE DESCRIPTION

COURSE TITLE	**Emergency Responder at the Operations Level Course**
STUDENT CONTACT HOURS	16 Hours
COURSE DESCRIPTION	This course satisfies the worker training requirements for initial training of operations level emergency responders. The course covers the material required by the OSHA standards and meets the requirements of the NIEHS Minimum Criteria. The course is applicable to all industrial emergency responders, but emphasizes the incidents and hazards that Teamster warehouse and freight workers are likely to encounter.
INTENDED AUDIENCE	Drivers, dock workers and other workers involved in the handling or transportation of hazardous materials.
APPLICABLE STANDARDS	OSHA 29 CFR 1910.120(q)(6)(ii) and 29 CFR 1926.65(q)(6)(ii)
TEACHING METHODS	Instructor lecture with student questions and discussion. Small group student activities. Demonstration of equipment and procedures. Hands-on activities: (1) Responses to simulated leaks and spills of hazardous materials. (2) Inspecting, donning, using and doffing self contained breathing apparatus.
CURRICULUM MATERIALS	196-page student manual: *Teamster Emergency Response Training.* Case studies for student analysis and discussion in small groups. Videos and slides showing emergency response situations and chemical incompatibilities.
OTHER REQUIREMENTS	(1) Two instructors teach this course (2) A student/instructor ratio of no more than 5 to 1 is maintained during simulated response activities that involve dress-out in Level B.
INSTRUCTOR QUALIFICATIONS	(1). Completed this course as a student. (2). Completed a Train-the-Trainer Course for this course. (3). Completed the Basic Instructor Training Course (BIT). (4). Taught this course under the supervision of an experienced instructor. (5). Evaluated by the Program's Industrial Hygienist.
TESTING AND PERFORMANCE EVALUATION	15-Question multiple choice Pre-Test 25-Question multiple choice Post-Test.
MODULES AND LEARNING OBJECTIVES	This course follows topics and learning objectives contained in the student manual. These are listed on the following pages.

Introduction and Pre-test (1/2 Hour)

Student and instructor introductions. Course overview. Pre-test.

Rights and Responsibilities (1/2 hour)

Federal agencies. Training requirements. Employee rights. Uncontrolled sites. HAZWOPER.

Health Hazards (2 Hours)

Adverse health effects. Routes of entry. Standards. Heat stress. Noise. Radiation. Cold.

Safety Hazards (2 Hours)

Accident prevention. Fire. Electrical. Excavations. Vehicles. Chemical incompatibility.

Identifying Hazardous Materials (2 hours)

OSHA HAZCOM Standard. MSDS's. Labels. NIOSH Pocket Guide. Markings, labels and placards. Vehicle types. Container types.

Respiratory Protection (2 hours)

Airborne hazards. APR's. PAPR's. Filters/cartridges. Respiratory protection programs. SCBA's. SAR's. IDLH atmospheres. Respirator selection.

Monitoring Equipment (1/2 Hour)

Direct reading instruments. Calibration. Instrument use.

Protective Clothing (1 Hour)

Protective clothing materials. Selection. Levels of protection. Dangers and prevention of heat stress.

Spill Response Procedures (1 Hour)

Procedures that a first responder at the awareness level is qualified to perform, including the limitations on what he or she is allowed to do. Procedures that a first responder at the operations level is qualified to perform, including the limitations on what he or she is allowed to do.

(a) Basic control
(b) Containment
(c) Confinement
(d) Blocking
(e) Diking
(f) Using sorbents

Decontamination (1 Hour)

Contamination. Decontamination methods. Personnel. Vehicles.

Emergency Response Plans (1 Hour)

Seven types of hazardous material emergencies that might occur. Required topics in an emergency response plan. The incident command system. The National Incident Management System (NIMS). Four types of alarm systems that can be used to warn of a release or spill of hazardous materials. Importance and function of emergency response drills and rehearsals. The three-zone system used for controlling access to the site of a hazardous materials incident.

Hands-on Activity: Site Work practices and Decontamination (2 Hours)

(a) Determine the nature of the release, identify the hazardous materials involved, and determine the quantities released or potentially released.
(b) Determine how to deal with the simulated emergency in accordance with the emergency response plan used at the site. Determine the function of each member of the group according to the ER plan. Select the proper protective clothing and respiratory protection.
(c) Practice using several different response techniques to control the release. These may include blocking, diking, and the use of various sorbents.
(d) Discuss and analyze the simulated response.

Post-test and evaluation (1/2 Hour)