

2009 QUANTUM MURRAY TRAINING COURSE OUTLINES



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1.0 HAZARDOUS MATERIAL RESPONSE – AWARENESS

(NFPA 472-2008)

SCOPE OF TRAINING

This course is designed for individuals who during their normal duties, could encounter incidents involving dangerous goods and who are expected to recognize the presence of hazardous materials, protect themselves, call for trained personnel, and secure the area.

HOURS OF TRAINING

8 Hours

COURSE TOPICS

- Standards and legislation
- Surveying hazardous materials
- Risk assessment
- Incident command structures
- Spill response protocols
- Table top incident scenarios

The following pricing will include all course customization and development, the instructor's instructing time and all of the manuals and wall certificates.

1.1 HAZARDOUS MATERIAL RESPONSE – OPERATIONS

(NFPA 472-2008)

SCOPE OF TRAINING

This course is designed individuals who respond to a release or potential release of hazardous materials as part of the initial response to the incident for the purpose of protecting nearby persons, the environment or property from the effects of the release.

Upon completion, participants will have the ability to complete defensive actions to control a release of hazardous materials from a safe distance. These actions minimize the chance exposures to responding personnel and minimize the effects of the incident on the environment and property. This will include the base skills found in the awareness level training.

HOURS OF TRAINING

24 Hours

COURSE TOPICS

- Standards and legislation
- Surveying hazardous Material incidents
 - Identification systems
 - Container Shape
 - Materials of construction
 - Interpreting hazardous materials information
- Risk Assessment
 - Toxicology
 - Chemistry
 - Hazard zone identification and implementation
- Means of Containment
 - Identification and specification including basic design, construction features and safety devices.
 - Container damage assessment
- Meters and monitors
- Personal protection equipment
 - Respiratory protection
 - Chemical protective clothing
- Incident management / command systems
- Performing control functions (Defensive Actions)
- Decontamination

1.2 HAZARDOUS MATERIAL RESPONSE – TECHNICIAN

(NFPA 472-2008)

This course is designed for individuals who respond to incidents involving dangerous goods using a risk based response process by which he/she analysis a problem involving hazardous materials, selects an applicable approach, and controls a release using specialized protective clothing and equipment. Individuals will have the skills to identify, assess, plan, prepare, and execute the response to a hazardous material incident.

HOURS OF TRAINING

40 Hours

COURSE TOPICS

- Standards and legislation
- Surveying hazardous Material incidents
 - Identification systems
 - Container Shape
 - Materials of construction
 - Interpreting hazardous materials information
- Risk Assessment
 - Toxicology
 - Chemistry
 - Hazard zone identification and implementation
- Means of Containment
 - Identification and specification including basic design, construction features and safety devices.
 - Container damage assessment
- Meters and monitors
- Personal protection equipment
 - Respiratory protection
 - Chemical protective clothing
- Incident management / command systems
- Developing a Plan of Action
- Performing control functions (Offensive Actions)
- Decontamination
- Incident termination
- Debrief

1.3 INCIDENT COMMAND AND MANAGEMENT SYSTEMS

(NFPA 472-2008)

SCOPE OF TRAINING

This program provides a comprehensive overview of the National Incident Management System and the manner in which it interfaces with the Incident Command System for incident management. The program focuses on the development and integration of NIMS and ICS into a Corporate, Business or Industrial facility's emergency management, response and contingency plans and the manner in which designated fire brigade, security or emergency response staff function in assigned roles and interface with external emergency response agencies and organizations.

HOURS OF TRAINING

4 - 24 Hours

COURSE TOPICS

Incident Management System/Incident Command System

- Common Terminology
- Modular Organization
- Integrated Communication Plan
- Unified Command Structure Consolidate
- Action Plan
- Span of Control
- Designated Incident Facilities
- Personnel Resources
- Resource Management
- DECIDE process
 - Detect if there is a hazard
 - Estimate harm with-out intervention
 - Choose response objectives
 - Identify actions and options
 - Do the best option
 - Evaluate progress – have the actions achieved desired results
- Incident command structure
- Players involved and their roles

TABLE-TOP SCENARIO

SCOPE OF TRAINING

Scenarios are created for the purpose of testing a client's emergency teams, plans, or emergency process. Goals are set and scenarios are customized to the clients, products, containers and processes. Table tops can be used to test or prepare for any part of the emergency process.

LENGTH OF TRAINING

4 - 8 hours

1.4 HAZARDOUS MATERIAL SECTOR SPECIALIST EMPLOYEE “A, B, C” (NFPA 472-2008)

SCOPE OF TRAINING

This course is designed for individuals responsible for hazardous material response. Giving them a solid working knowledge, and enabling them to respond safely and effectively to a hazardous material incident. The course uses a hands-on approach, allowing good retention of information, and only covers the individuals specialized materials, containers, and associated incident scenarios.

There are three levels of competency:

- Specialist Employee “C” – Awareness level only. Recognize, assess, protect individuals, and activate skilled personnel.
- Specialist Employee “B” – Technical advisor for first responders with the ability to direct and interact in all hazard zones.
- Specialist Employee “A” - Individuals will have the skills to identify, assess, plan, prepare, and execute the response to a hazardous material incident involving their products and containers.

HOURS OF TRAINING

Specialist Employee “C” – 8 hours

Specialist Employee “B” – 24 – 32 hours

Specialist Employee “A” – 40 + hours

COURSE TOPICS

Depending on the level this will include some or all of the following topics specific to the individuals materials, containers and potential incident scenarios;

- Standards and legislation
- Surveying hazardous Material incidents
 - Identification systems
 - Container Shape
 - Materials of construction
 - Interpreting hazardous materials information
- Risk Assessment
 - Toxicology
 - Chemistry
 - Hazard zone identification and implementation
- Means of Containment
 - Identification and specification including basic design, construction features and safety devices.
 - Container damage assessment
- Meters and monitors
- Personal protection equipment
 - Respiratory protection
 - Chemical protective clothing
- Incident management / command systems
- Developing a Plan of Action
- Performing control functions (Offensive Actions)
- Decontamination
- Incident termination
- Debrief

2.0 HAZWOPER - CFR1910-120

SCOPE OF TRAINING

Hazardous Waste Operations and Emergency Response. This course is for employees who have responsibilities to respond to hazardous material incidents at Transfer, storage and Disposal facilities. It prepares participants to safely complete offensive actions to deal with hazardous material incidents.

HOURS OF TRAINING

40 Hours

COURSE TOPICS

- Understand handling of hazardous materials
- Hazardous materials identification in the field
- Health effects of exposures to hazardous materials
- Health and Safety Plans
- Site Emergencies
- Safety Methods
- Work Practice Controls
- Identification Systems

3.0 BASIC SPILL RESPONSE

SCOPE OF TRAINING

This course is designed for individuals responding to spills of common industrial products within their facilities. Programs are tailored to clients specific hazards. Tanks, drums and totes of lube oil, hydraulic oil, paint, solvents, mineral spirits, etc...

HOURS OF TRAINING

8 Hours

COURSE TOPICS

- Identification of products involved in an incident – Information systems
- Risk assessment protocols for the products and process in question
- Applicable legislation
- Deciding if you and your team can respond to a given incident.
- Spill response protocols
- Spill response equipment. Uses and deployment
- Containment, packaging and disposal
- Practical incident scenarios

4.0 PRODUCT SPECIFIC TRAINING

SCOPE OF TRAINING

This course is designed for individuals responding to specific industrial products. Programs are tailored to client's specific product application and use. Courses presently exist for the following products;

- Acids/ Bases
- Ammonia
- Asbestos
- Chlorine
- Isocyanates (MDI, TDI, HDI)
- Lead
- Hydrogen Sulfide
- Sulfur Dioxide
- When requested by clients additional course specific material is produced.

HOURS OF TRAINING

8 Hours

COURSE TOPICS

- Identification of the product(s) in question – Information systems
- Basic chemistry and toxicology
- Risk assessment protocols for the product(s) in question
- Metering and Monitoring for the product(s) in question
- Personal protection for the product(s) in question
- Applicable legislation
- Spill response protocols for the product(s) in question
- Containment, packaging and disposal
- Practical incident scenarios

5.0 FACILITY AND ER PLAN TESTING

SCOPE OF TRAINING

- Table top scenarios
- Mock Scenarios (small – City Wide)
- Evacuation / ERP specific testing

The work to be performed by Echelon Response & Training Inc. will take the following approach:

All procedures will be reviewed to ensure that the plan meets your requirements and complies with NFPA and other applicable standards as they apply to your facility. Professional Emergency Service personnel will audit the program, to ensure compliance, and offer suggestions to ensure that the program meets the highest standards

TIMELINE ESTIMATES

Time for emergency plan review..... 2 hour
Time for drill and debriefing each shift, 3 x 2 hours = 6 hour
Time for report production..... 2 hour

TIMELINE GOALS

Time for project completion,..... 10 days



6.0 CONFINED SPACE ENTRY – SUPPORT STAFF (LEGISLATION ONLY)

SCOPE OF TRAINING

The course will cover the confined space requirements under the Occupational Health and Safety Act, as amended effective September 30, 2006, and associated regulations; for individuals performing related work. Training is to be held at your facility or ours.

HOURS OF TRAINING

8 Hours

COURSE TOPICS

- Opening Stories - Fatal Errors
- Understanding Legislation - Ontario
- Understanding Hazards Identification and Assessment identifying confined spaces
- Understanding Meters and Monitors
- Understanding Hazard Control
- Understanding Rescue Requirements
- Understanding Roles and Responsibilities
- Understanding Permit systems

6.1 CONFINED SPACE ENTRY – AWARENESS

SCOPE OF TRAINING

The course will cover the confined space requirements under the Occupational Health and Safety Act, as amended effective September 30, 2006, and associated regulations; for individuals performing related work. Training is to be held at your facility or ours.

HOURS OF TRAINING

8 Hours

COURSE TOPICS

- Opening Stories - Fatal Errors
- Legislation – Provincial/ Federal
- Hazards Identification and Assessment identifying confined spaces
- Meters and Monitors
- Hazard Control
- Rescue Requirements
- Roles and Responsibilities
- Permit systems

6.2 CONFINED SPACE ENTRY – ADVANCED

SCOPE OF TRAINING

The course will cover the confined space requirements under the Occupational Health and Safety Act, as amended effective September 30, 2006, and associated regulations; for individuals performing related work. Training is to be held at your facility or ours.

HOURS OF TRAINING

10-12 Hours

COURSE TOPICS

- Opening Stories - Fatal Errors
- Legislation – Provincial/ Federal
- Hazards Identification and Assessment identifying confined spaces
- Meters and Monitors
- Hazard Control
- Rescue Requirements
- Roles and Responsibilities
- Permit systems
- Practical scenarios and equipment orientation - all material to be covered in hands on forum
 - Per entry assessment
 - Equipment orientation
 - Role and responsibilities
 - Per Entry safety meeting
 - Non-Entry rescue measures
 - Job performance evaluations – Student
- Qualification

6.3 CONFINED SPACE RESCUE – AWARENESS

(NFPA 1006)

The course will cover the confined space requirements under the Occupational Health and Safety Act, as amended effective September 30, 2006, and associated regulations; for individuals performing related work. This level represents the minimum capability of organizations that provide response to technical search and rescue incidents. Training is to be held at your facility or ours.

HOURS OF TRAINING

8 Hours

COURSE TOPICS

- Recognizing the need for confined space search and rescue
- Initiating contact and establishing communications with victims where possible
- Recognizing and identifying the hazards associated with non-entry confined space emergencies
- Recognizing confined spaces
- Performing a non-entry retrieval
- Implementing the emergency response system for confined space emergencies
- Implementing site control and scene management
- Recognizing the need for a rope rescue
- Identifying resources necessary to conduct rope rescue operations
- Carrying out the emergency response system where rope rescue is required
- Carrying out site control and scene management
- Recognizing general hazards associated with rope rescue and the procedures necessary to mitigate these hazards
- Identifying and utilizing personal protective equipment assigned for use at a rope rescue incident.

6.4 CONFINED SPACE RESCUE – OPERATIONS

(NFPA 1006)

The course will cover the confined space requirements under the Occupational Health and Safety Act, as amended effective September 30, 2006, and associated regulations; for individuals performing related work. This level represents the capability of organizations to respond to technical search and rescue incidents and to identify hazards, use equipment, and apply limited techniques specified in the standard to support and participate in technical search and rescue incidents. Training is to be held at your facility or ours.

NOTE: CSE Rescue Awareness is a pre-requisite for this course.

HOURS OF TRAINING

16 Hours

COURSE TOPICS

- Sizing up existing and potential conditions at confined space emergencies
- Protecting personnel from hazards within the confined space
- physical and psychological challenges
- Duties of the rescue entrant(s) and back up rescue entrant(s), rescue attendant and rescue team leader
- Monitoring
- Conditions under which entry rescues may be made by and Operations trained Rescuer
- Performing the above entry rescues
- Victim packaging
- Transferring victims
- Planning and implementing CSE rescue Operations
- Selecting, constructing and using a rope lowering and raising system in the high-angle environment
- Sizing up existing and potential conditions where rope rescue will be performed
- Establishing the need for, selecting, and placing edge protection
- Selecting, using, and maintaining rope rescue equipment
- Configuring all knots, bends or hitches used by the organization
- Selecting anchor points and equipment to construct anchor systems
- Constructing and using single-point anchor systems
- Constructing and using multiple-point, load sharing anchor systems
- Selecting, constructing and using a belay system
- Selecting and using methods necessary to negotiate an edge or other obstacle that includes protecting all personnel working nearby from accidental fall
- Ascending and descending a fixed rope
- Selecting and using methods necessary for personnel to escape from jammed or otherwise dysfunctional ascent and descent control devices when ascending and descending a fixed rope
- Selecting, constructing and using a lowering Securing a patient litter
- Attaching a litter to a rope rescue system
- Utilizing litter attendants
- Selecting, constructing and using rope-based mechanical advantage systems
- Selecting, constructing and using raised system

6.6 CONFINED SPACE RESCUE – TECHNICIAN

(NFPA 1006)

The course will cover the confined space requirements under the Occupational Health and Safety Act, as amended effective September 30, 2006, and associated regulations; for individuals performing related work. This level represents the capability of organizations to respond to technical search and rescue incidents, to identify hazards, use equipment and apply advanced techniques specified in this standard necessary to coordinate, perform, and supervise technical search and rescue. Training is to be held at your facility or ours.

HOURS OF TRAINING

40 Hours

COURSE TOPICS

Site Operations

- Identify the needed support resources
- Size up a rescue incident
- Manage Incident Hazards
- Manage Resources in a rescue Incident
- Conduct a Search
- Perform ground support Operations relating to helicopter use and deployment
- Terminate the Incident

Victim Management

- Access a Victim
- Assess a Victim
- Stabilize the victim
- Triage Victims
- Package an ill or injured victim
- Move a victim in a low-angle environment
- Transfer a victim to EMS

Maintenance

- Inspect and maintain hazard-specific personal protective equipment
- Inspect and maintain rescue equipment

Ropes/Rigging

- Tie knots, bends, and hitches, given ropes and webbing, so that the knots are dressed, recognizable and back up as required
- Construct a single-point system
- Construct a simple rope mechanical advantage system
- Direct a team in the operation of a simple rope mechanical advantage system
- Construct a Lowering system
- Direct a Lowering Operation
- Construct a belay system
- Operate a belay system during a lowering or raising operation
- Belay a falling load
- Conduct a system safety check

Confined Space Specific Requirements

- Preplan a confined space incident
- Assess the Incident
- Conduct monitoring of the environment
- Control Hazards
- Prepare for entry into the confined space
- Enter a Confined Space
- Use and apply personal protective equipment and rescue-related systems and equipment.
- Package the victim for removal from a confined space
- Remove all entrants from a confined space
- Terminate the confined space incident

7.0 HIGH ANGLE RESCUE – AWARENESS

(NFPA 1670/1006)

SCOPE OF TRAINING

This course is designed for individuals who have wish to gain entry level skills and knowledge in Rope Rescue. This is the first of three High Angle Rope courses offered by Echelon Response & Training and covers the basics required of a First Responder. This course follows the guidelines as set by NFPA 1670 2004 ed 'Operations and Training for Rescue'. Training is to be held at your facility or ours, utilizing your equipment or ours.

HOURS OF TRAINING

16 Hours

COURSE TOPICS

Day One

- Hardware and Software identification, use, care and maintenance;
- Personal Protective Equipment;
- Line and Personal logs;
- Hazard identification in the High Angle environment;
- Levels of response – Awareness, Operations and Technician.

Day Two

- Rope System introduction;
- Introduction to Rescue Team environment;
- Introduction to working in the High Angle environment.

7.1 HIGH ANGLE RESCUE – OPERATIONS

(NFPA 1670/ 1006)

SCOPE OF TRAINING

This course is designed for individuals who have completed a previous 'Awareness' level course and wishes to advance their current knowledge in Technical Rope Rescue. This is the second of three High Angle Rope courses offered by Echelon Response & Training and covers the basics required of a First Responder. This course follows the guidelines as set by NFPA 1670 2004 ed 'Operations and Training for Rescue'. Training is to be held at your facility or ours, utilizing your equipment or ours.



HOURS OF TRAINING

32 Hours

COURSE TOPICS

Day One - Awareness level familiarization of the following;

- Hardware and Software types, its use, limits, identification, care and maintenance;
- Personal Protective Equipment;
- Hazard identification in the High Angle environment;
- Knots, hitches and Bends used in the High Angle environment;

Operations level topics;

- Critical thinking in Rope Rescue.
- Physics of Rope Rescue.
- Commands for Rope Rescue.
- Suspension Trauma
- Anchor systems – Critical angles, Single Point, Multi Point and Contingency systems.

Day Two

- Belay Systems – TPB and Mechanical.
- Haul Systems – Simple, Compound and Bolt on.
- Practical Haul systems.
- Rappelling & Ascending.

Day Three

- Knot passing – Lowering, Rappelling and Ascending.
- Pick-off techniques – Lowering, Rappelling and Fall Arrest.

Day Four

- Basic Basket Rescues with Attendant.
- Mid face litter scoops.

7.2 HIGH ANGLE RESCUE – TECHNICIAN

(NFPA 1670/ 1006)

SCOPE OF TRAINING

This course is designed for individuals who have recently taken High Angle Rescue Awareness and Operations level courses and wish to expand their knowledge of rescue techniques and command and control of an incident. , This course follows the guidelines as set by NFPA 1006 2003 ed 'Rescue Technician Professional Qualifications'. Training is to be held at your facility or ours, utilizing your equipment or ours.

HOURS OF TRAINING

40 Hours

COURSE TOPICS

Day One

- Critical thinking in Rope Rescue.
- Physics of Rope Rescue..
- Commands for Rope Rescue.
- Suspension Trauma
- Knots for Rescue.
- Hardware types, its use and it's limits.
- Anchor systems – Critical angles, Single Point, Multi Point and Contingency systems.

Day Two

- Belay Systems – TPB and Mechanical.
- Haul Systems – Simple, Compound and Bolt on.
- Practical Haul systems.
- Rappelling & Ascending.
- Knot passing – Lowering, Rappelling and Ascending.
- Pick-off techniques – Lowering, Rappelling and Fall Arrest.
- Basic Basket Rescues with Attendant.
- Mid face litter scoops.

Day Three

- Theory exam – One hour
- Practical evolutions consisting of;
- Multiple Point anchor system.
- Simple and Compound Haul system.
- Rappel and lowering based Pick-offs.
- Ascend fixed rope, switch to descending system.
- High Angle patient packaging and lower.
- Self Rescue.
- Twin track High line with tag lines, independent Belays and a Norwegian or English Reeve.

Day Four

- Practical evolutions

Day Five

- Practical testing as per NFPA 1006 2003 edition.

8.0 FALL ARREST AWARENESS

SCOPE OF TRAINING

This course is designed for individuals working at heights over 3 metres (10 feet).

HOURS OF TRAINING

4 Hours

COURSE TOPICS

- Regulations, CSA Z 259.10 M90
- Absorbing and arresting devices
- Webbing, slings, fall arrestors
- Anchor points
- Responsibilities and inspection criteria
- Fall distances
- Types and models of harnesses
- Doffing and donning

9.0 FALL RESCUE

SCOPE OF TRAINING

This program will teach the rescuer the principals of High Angle Rescue. It will enable the learner to make the necessary risk assessments and apply safe quick and easy skills to mitigate a fall event. Pre-planning and equipment selection will be reinforced.

HOURS OF TRAINING

8 hours

COURSE TOPICS

- Understanding the event
- Understanding your equipment
- Quick fixes
- Your personal safety
- Going over!
- Practical Scenarios

10.0 RESPIRATORY PROTECTION - SELF CONTAINED BREATHING APPARATUS

(CSA Z94.4)

SCOPE OF TRAINING

This course is designed for individuals exposed to atmospheres requiring a Self Contained Breathing Apparatus in the workplace. Training will be specific to the manufacturer in question.

HOURS OF TRAINING

4 Hours

COURSE TOPICS

- Types of breathing apparatus
- SCBA theory
- SCBA equipment orientation
- Proper donning and doffing procedures
- Practical operations and trouble-shooting
- Respirator overview

10.1 RESPIRATORY PROTECTION - AIR PURIFYING RESPIRATOR

(CSA Z94.4)

SCOPE OF TRAINING

This course is designed for individuals exposed to atmospheres requiring Air Purifying Respirators in the workplace. Training will be specific to the manufacturer in question.

HOURS OF TRAINING

4 Hours

COURSE TOPICS

- Types of breathing apparatus
- APR Theory
- APR equipment orientation
- Proper donning and doffing procedures
- Practical operations and trouble-shooting
- Respirator overview

10.2 RESPIRATORY PROTECTION – FIT TESTING

(CSA Z94.4)

SCOPE OF SERVICE

This service may be added to the SCBA or APR course. Correct sizing of the chosen brand of mask will be determined through qualitative analysis. Time: Approximately 10 minutes per individual.

11.0 METERS & MONITORS

SCOPE OF TRAINING

This course is designed for individuals on response teams, using meters as an incident risk assessment tool, or monitoring confined spaces. Training will be specific to equipment manufacture used by the client, where possible.

HOURS OF TRAINING

4 Hours

COURSE TOPICS

- Other identification technologies, PH paper, colormetric tubes
- Sensor theory, Oxygen and electrochemical sensors, cross sensitivity
- Catalytic bead sensors, flammable gas compatibility
- Photo ionization detectors
- Practical operations, metering limitations, sampling techniques
- Selecting best meter for the application
- Importance of calibration, equipment logs

12.0 PERSONAL PROTECTIVE EQUIPMENT AWARENESS

SCOPE OF TRAINING

This course is designed to introduce individuals to Personal Protective Equipment.

HOURS OF TRAINING

4 Hours

COURSE TOPICS

- Describe the various Levels of PPE
- Be able to chose the proper level of protection for the risks involved in an incident
- Explain the ways in which a chemical may compromise a garment
- Know the maintenance and storage requirements for PPE.

13.0 TRANSPORTATION OF DANGEROUS GOODS (CDN) TDGR

INCLUDING AMENDMENT 6

SCOPE OF TRAINING

This certifies individuals, in portions of the Act and regulations, for the purpose of compliance and safety. This course is designed for individuals shipping, receiving, transporting or responding to incidents, involving dangerous goods. Training is good for three years, if working within Canada.

HOURS OF TRAINING

4 Hours

COURSE TOPICS

- Understand responsibilities of shipper's, carrier's, consignee's, and handler's under the TDGR.
- Classification of dangerous goods, system and processes.
- Use of safety marks,
- shipping documentation.
- Safe handling practices, transportation emergencies.

14.0 TRANSPORTATION OF DANGEROUS GOODS (USA) 49 CFR

SCOPE OF TRAINING

Certifies individuals, in portions of the Regulations, for the purpose of compliance and safety. This course is designed for individuals shipping, receiving, transporting or responding to incidents, involving dangerous goods, in the USA.

HOURS OF TRAINING

4 Hours

COURSE TOPICS

- Understand responsibilities of shipper's, carrier's, consignee's, and handler's under the TDGR.
- Classification of dangerous goods, system and processes.
- Use of safety marks, shipping documentation.
- Safe handling practices, transportation emergencies.

15.0 WASTE MANAGEMENT REGULATION 347/395 (ONTARIO)

SCOPE OF TRAINING

This course is designed for individuals involved in generating, transporting, handling, or disposal of regulated waste in Ontario. Training is good for the duration of the individuals' employment with the company.

HOURS OF TRAINING

4 Hours

COURSE TOPICS

- Applicable regulations, individuals responsibilities
- Classification of wastes, manifest generation
- Reportable incidents
- Working with environmental officers, audits and inspections
- Introduction to HWIN

16.0 WASTE MANAGEMENT (OTHER PROVINCES)

SCOPE OF TRAINING

This course is designed for individuals involved in generating, transporting, handling, or disposal of regulated waste in Ontario. Training is good for the duration of the individuals' employment with the company.

HOURS OF TRAINING

4 Hours

COURSE TOPICS

- Applicable regulations,
- Individuals responsibilities
- Classification of wastes
- Documentation - manifest generation
- Reportable incidents
- Working with environmental officers, audits and inspections

17.0 WHMIS - WORKPLACE HAZARDOUS MATERIAL INFORMATION SYSTEM

SCOPE OF TRAINING

This course trains individuals in workplace material information systems, and facility implementation, for the purpose of compliance and safety.

HOURS OF TRAINING

4 Hours

COURSE TOPICS

- Responsibilities for WHMIS in your workplace
- Requirements for individual WHMIS training
- How hazardous chemicals can enter the body
- Common terms and symbols used for chemical hazards
- MSDS sheets and their use
- Supplier and workplace labels
- Application of WHMIS to everyday consumer products

18.0 OCCUPATIONAL HEALTH & SAFETY - FACILITY INSPECTIONS

SCOPE OF TRAINING

The goal of this training is to review the process of completing facility inspections to identify dangerous conditions and acts. The legislation states that facility inspections must be conducted at least once a month by qualified, or where possible ``certified`` members (one representing the employer and the other an employee representative). It is not necessary that the same members perform all inspections. This course will refresh individuals on what to look for and how to complete an effective inspection.

HOURS OF TRAINING

4 Hours

COURSE TOPICS

- Training Goals
- Workplace inspection requirements and back ground (OHSA)
- Types of hazards
- Mechanical Energies
- Chemical

20.0 FIRE AWARENESS/ EXTINGUISHERS

SCOPE OF TRAINING

This course is designed for individuals responding to fires in their facilities

HOURS OF TRAINING

4 Hours

COURSE TOPICS

- Care maintenance usage and identification of extinguishers
- Incipient fire fighting, live fire exercise
- Fire science, classes of fire
- The fire tetrahedron
- Fire protection systems, understanding their functions
- Walk and talk to identify locations of alarm panel, P/A system, elevators
- Fire Dept. response, how they will tackle an incident, how to assist them.

21.0 LOCK-OUT / TAG-OUT

SCOPE OF TRAINING

Fundamentals of eliminating energy sources from a work area.

HOURS OF TRAINING

2 Hour

COURSE TOPICS

- Definitions.
- Legislation, OHSA and Canadian Labour Code
- CSA Z 460 Control of hazardous energy
- Simple understanding of lock-out and tag-out principles
- Forms of Hazardous Energy
- Hazard evaluation and control
- Achieving a zero energy state
- Lock-out / Tag-out equipment review
- Hands-on equipment use

20.0 FIRST AID - EMERGENCY FIRST AID

SCOPE OF TRAINING

This course is designed for individuals responding to medical emergencies within their facilities.

HOURS OF TRAINING

8 Hours

COURSE TOPICS

- Emergency First Aid

20.1 FIRST AID - STANDARD FIRST AID

SCOPE OF TRAINING

This course is designed for individuals responding to medical emergencies within their facilities. The curriculum follows the Red Cross standards

HOURS OF TRAINING

16 Hours

COURSE TOPICS

- The EMS system
- Body Systems and Emergency action principles.
- Airway, Breathing and Cardiovascular emergencies
- Head, Spine, Musculoskeletal, and Soft Tissue injuries
- Sudden medical conditions and Poisons.
- Rescuer CPR

20.2 FIRST AID - CPR/DEFIB (AED)

SCOPE OF TRAINING

This course is designed for individuals responding to medical emergencies within their facilities. It is designed to be offered in addition to a basic first aid course. The curriculum follows the Red Cross standards

HOURS OF TRAINING

8 Hours

COURSE TOPICS

- Introduction
 - AED history and effectiveness
- Chain of Survival
 - Where AED fits in First Aid Procedures
- The Heart
 - Basic Anatomy and Physiology of the heart
 - Electrical Impulses in the Heart
 - Principles of AED
 - Importance of Early Defibrillation
- AED Use
 - This module taught on an AED compatible simulator dummy

20.3 FIRST AID – O2 THERAPY

SCOPE OF TRAINING

This course is designed for individuals responding to medical emergencies within their facilities. It is designed to be offered in addition to a basic first aid course. The curriculum follows the Red Cross standards

HOURS OF TRAINING

8 Hours

COURSE TOPICS

- Introduction – History of O2 Therapy
- Anatomy and Physiology of the respiratory systems
- Common Malfunctions of the Respiratory System
- Hypoxia
- Anoxia
- Benefits of O2 Therapy
- Equipment
- Practical Training Performed with Facility Equipment