



CERTIFIED HAZARDOUS MATERIALS PRACTITIONER (CHMP®)
EXAM SPECIFICATIONS (BLUEPRINT)

Effective March 2021

A Certified Hazardous Materials Practitioner (CHMP) is a professional experienced in handling hazardous materials in a wide variety of specialties, such as safety, environmental protection and compliance, and transportation. The CHMP professional focuses on technical knowledge and expertise with handling hazardous materials.

A CHMP provides proper controls for material handling, transportation, and security throughout the life cycle of hazardous materials, from design and production through storage, recycling, and ultimate disposal. They apply scientific knowledge, engineering technologies, and best management practices in compliance with U.S. regulatory requirements.

The CHMP examination is a testing instrument designed to evaluate a candidate's minimal competency in the field of hazardous materials management. This Specification Blueprint is intended to offer guidance to candidates by outlining the domains and tasks that will be covered on the examination. The blueprint reflects the consensus of the profession validated via a survey of what hazardous materials managers do in practice. The Blueprint below describes the subject matter covered by the examination. All test items will be drawn from among the domain areas of the Specification Blueprint.

This Specification Blueprint lists below each domain and competencies with tasks given under each domain. A percentage label accompanies each domain in this Specification Blueprint. This percentage represents the proportion of the actual CHMP examination devoted to that domain. Tasks provide a reference for activities conducted under each domain.

Table with 3 columns: ID, Description, and % of Exams. Row 1: 1 Identification, Handling, and Transport of Hazardous Materials 35.58%. Rows 2-7: 1.1-1.6 Declarative tasks related to hazardous materials regulations, training, standards, and waste identification.





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| 1.7 | Declarative -- Identify shipping papers, labels, markings, placarding, packaging, and record-keeping requirements | |
| 1.8 | Declarative -- Identify standards for managing specific hazardous waste, standards for owners and operators of TSD, land disposal restrictions (LDR), and standards for universal waste management | |
| 1.9 | Declarative -- Identify waste minimization activities | |
| 1.1 | Declarative -- Identify waste record and reporting requirements | |
| 2 | Management of Emergencies & Incidents (E&I) | 18.46% |
| 2.1 | Procedural - Given a scenario, determine resources needed to provide an HSP and emergency planning and training; include an employee right to know (RTK) and access to safety data sheets (SDS) | |
| 2.2 | Procedural -- Given a scenario about an incident, determine the size and role and responsibilities of the incident command system (ICS) | |
| 2.3 | Procedural -- Given a scenario, determine if record keeping and reporting are necessary according to state and federal regulations and requirements | |
| 3 | Sampling and Analysis of Hazardous Materials/Waste | 15% |
| 3.1 | Declarative - Identify requirements of a Waste Analysis and Sampling Plan (WASP) | |
| 3.2 | Declarative - Identify how and when to use different types of direct-reading instruments, such as Draeger Tubes, OVA = Organic Volatile Analyzer, CGM = Combustible Gas Meter, FLID = Flame Ionization Detector, PID = Photoionization Detector | |
| 3.3 | Application - Given a scenario for a specific waste matrix, describe the sampling methods, sampling equipment, and sample preservation methods. | |
| 3.4 | Declarative - Identify how specific analytical results correlate to waste characterization and specific treatment standards | |
| 3.5 | Declarative - Identify standardized test methods used in waste characterization and/or determining DOT hazard class | |
| 3.6 | Declarative - Identify proper sampling procedures and pertinent sampling media for the establishment of appropriate administrative and engineering controls | |
| 4 | Site Investigation and Remediation | 14.04% |
| 4.1 | Declarative - Identify potential physical or chemical hazards that may arise when a task is being performed and determine the engineering controls, administrative controls, and PPE requirements | |
| 4.2 | Declarative - Identify procedures to conduct a site investigation/assessment | |
| 4.3 | Declarative - Identify appropriate abatement methods based on investigation and risk assessment data | |
| 4.4 | Declarative - Identify site hazard characteristics and select appropriate administrative and engineering controls including PPE | |
| 4.5 | Declarative - Identify steps for long-term monitoring of hazardous waste | |





| 5 | Program and Project Management | 16.92% |
|-----|---|--------|
| 5.1 | Declarative - Identify hazardous waste programs scope including managing cradle-to-grave responsibility | |
| 5.2 | Declarative - Identify requirements of the Hazard Communication Standard (HCS) | |
| 5.3 | Declarative - Identify training requirements for hazardous materials for OSHA, RCRA, and DOT | |
| 5.4 | Declarative - Identify OSHA training requirements for general requirements and respiratory protection | |

For more information about the Certified Hazardous Materials Practitioner certification program, including eligibility requirements and application procedures, see the IHMM Candidate Handbook at www.ihmm.org.



Accredited by the American National Standards Institute and the Council of Engineering and Scientific Specialty Boards



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