Minnesota Fire Service Certification
Hazardous Materials Operations Testing

NFPA 1072 - 2017 Edition

Chapter 4 Awareness, Chapter 5 Core Operations, Chapter 6.1 thru 6.9 Mission Specifics

Prerequisite: Fire Fighter I

A completed application and payment plan are required one week before taking the Hazardous Materials Operation Certification test. The candidate must have the knowledge outlined in NFPA 1072 Hazardous Materials/Weapons of Mass Destruction, 2017 Edition. There are several ways to obtain the knowledge and skills necessary to pass the exam, such as a technical college program, an individual fire department training, home study, etc. The Minnesota Fire Service Certification Board does not provide any training nor do we provide examination reviews

Standard

NFPA 1072 Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications 2017 Edition. The questions and skills tested are designed to test the candidate on the knowledge and proficiencies as outlined in NFPA 1072 Chapter 4 thru 6 NFPA 1072 Standard for Competence to Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications - 2017 Edition. All questions have been referenced to a specific standard in NFPA 1072 Chapters 4 thru 6.

Reference List (V 10.0)

The textbooks and reference documents listed below were used in developing the test questions and the practical exams for the Certification test. The candidate should have knowledge of the information contained in these books:

Specific to Chapters 4 thru 6:

- NFPA 1072, NFPA 1072Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications 2017 Edition
- IFSTA, Hazardous Materials for First Responders, 5th Edition
- Jones and Bartlett, Fundamentals of Fire Fighter Skills, 4th Edition
- Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition
- DOT, Emergency Response Guidebook, 2020 Edition
- Hazardous Materials/Weapons of Mass Destruction Response Handbook, 5th Edition

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Test

The written test is made up of 100 multiple-choice questions selected at random from a test bank of 360 questions. A score of 70% must be achieved in order to achieve a passing score. The Skills test will require the candidate to complete all the skills required to prove proficiency in the areas outlined in NFPA 1072 Chapters 4 through 6 Professional Competence of Responders to Hazardous Materials/Weapons of Mass Destruction – 2017 Edition. Candidates will have 100 minutes (1 minute per question) to complete the written test and will be given a reasonable amount of time as determined by the evaluator, to complete the practical skills.

Test Cost

$178.50

Re-certification

- Every three years.
- Requires 24 hours per three-year cycle.
  (Combination of Service Delivery, Task Performance, Minimum 8 hours of Training/Education.)
- Re-certification Cost: $26.25

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NFPA 1072 2017 Edition

Requirements:

1. **Required prerequisite of Fire Fighter I or equivalent documented training of Chapters 4 and 5 of the NFPA 1072 Standard, 2017 Edition**
2. **Completed application form and fee of $170 is covered.**
3. **Training for *each* of the 8 mission specific responsibilities detailed in Chapter 6 of the 1072 standard is required.**
4. **Candidate will be required to complete the Chapter 4 "Recognize and Identify Hazardous Materials", Chapter 5 "Perform Emergency Decontamination and Evaluate and Report Progress", along with 5 of the 8 skill stations from Chapter 6 chosen at random by the evaluator. At least one from each section of the standard will be tested.**
5. **Candidate is responsible for providing and wearing OSHA and NFPA compliant Personal Protective Gear. Facial hair is limited per OSHA (mustache and goatee).**
6. **Candidates must arrive to the test site at least 30 minutes prior to the scheduled start time.**

Note:

1. Completion and passage of this two part test: 100 written question and all skill stations will result in candidate receiving IFSAC and Pro Board certification to all Mission Specific Competencies of 1072 Standard, Chapter 6, Operations Level Responder.

Hazardous Materials Operations Testing Protocols

Standard Requirements:

1. Section 6.1.1.2 requires candidates operating at the Operations Level to be trained at the awareness level (Chapter 4 of 1072) and all core competencies of Chapter 5 of the 1072 Standard.
2. Section 6.1.1.3 requires the candidate to receive additional training to meet applicable OSHA requirements.
3. Section 6.1.1.4 requires Operations responders to operate under the guidance of a Technician level responder.

Site Requirements:

1. Medium to large open field or somewhat level area in which shovels, rakes, hoes and other hand implements can be used to remove/return soil to create dikes, dams or diversion canals. Alternate option is site in which soil/sand is delivered and can be removed.
2. Fire apparatus, hand tools and supplies which will be needed for the practical skills stations selected by the Lead Examiner. The host site representative will be advised in advance of the test date the specific items needed.

Candidate Testing Procedures:

1. During testing of Chapter 4, candidates will be given a scenario by the evaluator and independently respond to written questions with fill in the blank answers. This portion of the exam will be focused on incident command, developing an action plan, and completion of reports.

2. At Chapter 5 Skill Station and Chapter 6 Skill Stations 1-8 candidates will work as a team in groups of 3 to 6 under the guidance of the evaluator/technician to mitigate the incident. Start times will be scheduled for each team.

CHAPTER 4: AWARENESS
RECOGNIZE AND IDENTIFY HAZARDOUS

Candidate Number_____

Evaluator: _____

Reference: NFPA 1072 2017 Edition: 4.2.1
Recognize and identify the hazardous materials/WMD and hazards involved in a hazardous materials/WMD incident, given a hazardous materials/WMD incident, and approved reference sources, so that the presence of hazardous materials/WMD is recognized and the materials and their hazards are identified.

Skill:
Scenario:
The candidate will be given a scenario by the evaluator in which they will need to address multiple issues as detailed in the skill provided. Candidate will have access and use to ERG book. The candidate will provide detail in writing where appropriate and verbally where appropriate to the evaluator, addressing the criteria listed below.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Recognizing indicators to the presence of hazardous materials/WMD	
Sizeup and Surveying Hazardous Materials WMD	_____20
Identifying hazardous materials/WMD by name, UN/NA identification number, Placard applied, or container identification charts	
Name of Chemical	_____10
NAERG Guide Number	_____10
Green Section of the ERG	_____10
Using the ERG, SDS, shipping papers with emergency response information, and other approved reference sources to identify hazardous materials/WMD and their potential fire, explosion, and health hazards	_____10
Estimating Potential Harm	_____20
Predicting the likely behavior of material and its container	_____20

Total Points Possible 100

Total Deductions _____

Score _____

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CHAPTER 5: CORE OPERATIONS
PERFORM EMERGENCY DECON & EVALUATE AND REPORT PROGRESS

Candidate Number_____

Evaluator: _____

Reference: NFPA 1072 2017 Edition: 5.5.1 & 5.6.1
Perform emergency decontamination at a hazardous materials/WMD incident, given a hazardous materials/WMD incident that requires emergency decontamination; an assignment; scope of the problem; policies and procedures; and approved tools, equipment, and PPE for emergency decontamination, so that emergency decontamination needs are identified, approved PPE is selected and used, exposures and personnel are protected, safety procedures are followed, hazards are avoided or minimized, emergency decontamination is set up and implemented, and victims and responders are decontaminated. (5.5.1)

Evaluate and report the progress of the assigned tasks for a hazardous materials/WMD incident, given a hazardous materials/WMD incident, an assignment, policies and procedures, status of assigned tasks, and approved communication tools and equipment, so that the effectiveness of the assigned tasks is evaluated and communicated to the supervisor, who can adjust the IAP as needed. (5.6.1)

Skill: The Candidate will be provided a written scenario by the Evaluator and must demonstrate actions to address the criteria detailed in the scoring matrix.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**:
Selecting an emergency decontamination method	_____10
Setting up emergency decontamination in a safe area	_____15
Using PPE in the proper manner	_____FAIL
Implementing emergency decontamination	_____10
Preventing spread of contamination	_____10
Avoiding hazards during emergency decontamination	_____10
Determining incident status	_____10
Determining whether the response objectives are being accomplished	_____10
Using approved communications tools and equipment	_____10
Communicating the status of assigned tasks	_____15

Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 1
PERSONAL PROTECTIVE EQUIPMENT AND REPORTING

Candidate Number_____

Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.2.1
Select, don, work in, and doff approved PPE at a hazardous materials/WMD incident, given a hazardous materials/WMD incident; a mission-specific assignment in an IAP that requires use of PPE; the scope of the problem; response objectives and options for the incident; access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures; approved PPE; and policies and procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, approved PPE is selected, inspected, donned, worked in, decontaminated, and doffed; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; and all reports and documentation pertaining to PPE use are completed.

Skill: Don, work, doff personal protective equipment. Demonstrate procedure for undergoing technical decontamination process. Skill to be demonstrated as part of activities in product control skill stations and/or mass decontamination skill stations and/or technical decontamination skill stations. Completes report/documents specific to incident.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**	
Selects appropriate level equipment given the situation	_____	15
Properly and completely dons appropriate gear	_____	15
Going through decontamination (emergency and technical) while wearing the PPE	_____	10
Properly removes gear ensuring all safety protocols followed	_____	10
Inspecting, maintaining, storing, donning, working in, and doffing PPE	_____	20
Identifies proper reports documents to be completed for incident.	_____	10
Reporting and documenting the use of PPE	_____	20

Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 2
MASS DECONATMINATION/PROCEDURES

Candidate Number_____

Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.3.1

Perform mass decontamination for ambulatory and nonambulatory victims at a hazardous materials/WMD incident, given a hazardous materials/WMD incident that requires mass decontamination; an assignment in an IAP; scope of the problem; policies and procedures; approved tools, equipment, and PPE; and access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, a mass decontamination process is selected, set up, implemented, evaluated, and terminated; approved PPE is selected and used; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; personnel, tools, and equipment are decontaminated; and all reports and documentation of mass decontamination operations are completed.

Skill: Establish decontamination process based upon scenario assigned by evaluator.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**:
Selecting and using PPE	_____20
Selecting a mass decontamination method to minimize the hazard	_____20
Setting up and implementing mass decontamination operations in a safe location	_____20
Evaluating the effectiveness of the mass decontamination method	_____20
Completing required reports and supporting documentation for mass decontamination operations	_____20

Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 3
TECHNICAL DECONTAMINATION

Candidate Number_____

Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.4.1
Perform technical decontamination in support of entry operations and for ambulatory and nonambulatory victims at a hazardous materials/WMD incident, given a hazardous materials/WMD incident that requires technical decontamination; an assignment in an IAP; scope of the problem; policies and procedures for technical decontamination; approved tools, equipment, and PPE; and access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, a technical decontamination method is selected, set up, implemented, evaluated, and terminated; approved PPE is selected and used; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; personnel, tools, and equipment are decontaminated; and all reports and documentation of technical decontamination operations are completed.
Skill: Establish decontamination process based upon scenario assigned by evaluator.

Did the candidate, as instructed, demonstrate competency in the following:

	Deduction Points
Selecting and using PPE	_____20
Selecting a technical decontamination procedure to minimize the hazard	_____20
Setting up and implementing technical decontamination operations	_____20
Evaluating the effectiveness of the technical decontamination process	_____20
Completing reporting and documentation requirements	_____20

Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 4
EVIDENCE PRESERVATION AND HANDLING

Candidate Number_____

Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.5.1
Perform evidence preservation and public safety sampling at a hazardous materials/WMD incident, given a hazardous materials/WMD incident involving potential violations of criminal statutes or governmental regulations, including suspicious letters and packages, illicit laboratories, a release/attack with a WMD agent, and environmental crimes; an assignment in an IAP; scope of the problem; policies and procedures; approved tools, equipment, and PPE; and access to a hazardous materials technician, an allied professional, including law enforcement personnel or others with similar authority, an emergency response plan, or standard operating procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, hazardous materials/WMD incidents with a potential violation of criminal statutes or governmental regulations are identified; notify agency/agencies having investigative jurisdiction and hazardous explosive device responsibility for the type of incident are notified; approved PPE is selected and used; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; evidence is identified and preserved; public safety samples are collected, and packaged, and the outside packaging is decontaminated; emergency responders, tools, and equipment are decontaminated; and evidence preservation and public safety sampling operations are reported and documented.

Skill: Candidate will be provided a scenario and incident action plan from which candidate will demonstrate the following:

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Identifying incidents with potential violation of criminal statutes government regulations	_____FAIL
Identifying the agency having investigative jurisdiction and response authority over an incident that is potentially criminal in nature or a violation of government regulations	_____15
Operating field screening and sampling equipment to screen for corrosivity, flammability, oxidizers, radioactivity, volatile organic compounds (VOC), and fluorides	_____15
Securing, characterizing, and preserving the scene	_____15
Identifying and protecting potential evidence until it can be collected by an agency with investigative authority	_____10
Following chain-of-custody procedures	_____15
Laboratory Response Network or other forensic laboratory system	_____15
Protecting evidence from secondary contamination	_____15

Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 5A
PRODUCT CONTROL – ABSORPTION

Candidate Number_____ Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.6.1
Perform product control techniques with a limited risk of personal exposure at a hazardous materials/WMD incident, given a hazardous materials/WMD incident with release of product; an assignment in an IAP; scope of the problem; policies and procedures; approved tools, equipment, control agents, and PPE; and access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, approved PPE is selected and used; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; a product control technique is selected and implemented; the product is controlled; victims, personnel, tools, and equipment are decontaminated; and product control operations are reported and documented.

Skill: The Candidate, given a scenario by the evaluator, shall demonstrate how to control product using the absorption techniques.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Use ERG to determine hazards & determine absorption is appropriate action.	_____ 10
Verbalize isolating and evacuating the area according to the ERG guidelines	_____ 10
Verbalize eliminating all ignition sources.	_____ 10
Select correct foam if applicable, identify characteristics, and demonstrate application.	_____ 10
Selecting and using PPE	_____ FAIL
Limited risk of personal exposure	_____ FAIL
Using approved control agents and equipment on a release involving hazardous materials/WMD	_____ 20
Identifies source of spill or leak and stops leak by closing the remote valve, if it is applicable and safe to do so.	_____ 10
Provide safety backup procedure in the event of unexpected reaction.	_____ FAIL
Perform initial monitoring test to determine the current degree of hazard, strength, or concentration of the material.	_____ 10
Controls runoff, and controls vapors when possible.	_____ 10
Repeats monitoring process to determine when the absorption process has accomplished its goal of reducing the hazard to a safe level.	_____ 10

Total Points Possible 100

Total Deductions _____

Score _____

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CHAPTER 6: SKILL STATION 5B
PRODUCT CONTROL – ADSORPTION

Candidate Number_____ Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.6.1

Skill: The Candidate, given a scenario by the evaluator, shall demonstrate how to control product using the adsorption techniques.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Use ERG to determine hazards & determine adsorption is appropriate action.	_____ 10
Verbalize isolating and evacuating the area according to the ERG guidelines	_____ 10
Verbalize eliminating all ignition sources.	_____ 10
Select correct foam if applicable, identify characteristics, and demonstrate application.	_____ 10
Selecting and using PPE	_____ FAIL
Limited risk of personal exposure	_____ FAIL
Procures proper adsorbent material and uses sufficient quantity and method to control	_____ 20
Identifies source of spill or leak and stops leak by closing the remote valve, if it is applicable and safe to do so.	_____ 10
Provide safety backup procedure in the event of unexpected reaction.	_____ FAIL
Perform initial monitoring test to determine the current degree of hazard, strength, or concentration of the material.	_____ 10
Controls runoff, and controls vapors when possible.	_____ 10
Repeats monitoring process to determine when the adsorption process has accomplished its goal of reducing the hazard to a safe level.	_____ 10

Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 5C
PRODUCT CONTROL - DAMMING

Candidate Number_____ Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.6.1

Skill: The Candidate, given a scenario by the evaluator, shall demonstrate how to control product using damming techniques.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Use ERG to determine hazards & determine damming is appropriate action	_____ 10
Verbalize isolating and evacuating the area according to the ERG guidelines	_____ 10
Verbalize eliminating all ignition sources.	_____ 10
Select correct foam if applicable, identify characteristics, and demonstrate application.	_____ 10
Selecting and using PPE	_____ FAIL
Limited risk of personal exposure	_____ FAIL
Identifies source of spill or leak and stops leak by closing the remote valve, if it is applicable and safe to do so.	
Construct dam in proper/sufficient size and location	_____ 30
Provide safety backup procedure in the event of unexpected reaction. .	_____ FAIL
Perform initial monitoring test to determine the current degree of hazard, strength, or concentration of the material.	_____ 10
Controls runoff, and controls vapors when possible.	_____ 10
Repeats monitoring process to determine when the damming process has Accomplished its goal of reducing the hazard to a safe level.	_____ 10

Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 5D
PRODUCT CONTROL – DIKING

Candidate Number_____ Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.6.1

Skill: The Candidate, given a scenario by the evaluator, shall demonstrate how to control product using diking techniques.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Use ERG to determine hazards & determine diking is appropriate action.	_____ 10
Verbalize isolating and evacuating the area according to the ERG guidelines	_____ 10
Verbalize eliminating all ignition sources.	_____ 10
Select correct foam if applicable, identify characteristics, and demonstrate application.	_____ 10
Selecting and using PPE	_____ FAIL
Limited risk of personal exposure	_____ FAIL
Identifies source of spill or leak and stops leak by closing the remote valve, if it is applicable and safe to do so.	
Construct dike in proper/sufficient size and location	_____ 30
Provide safety backup procedure in the event of unexpected reaction. .	_____ FAIL
Perform initial monitoring test to determine the current degree of hazard, strength, or concentration of the material.	_____ 10
Controls runoff, and controls vapors when possible.	_____ 10
Repeats monitoring process to determine when the diking process has accomplished its goal of reducing the hazard to a safe level.	_____ 10

Total Points Possible 100

Total Deductions _____

Score _____

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CHAPTER 6: SKILL STATION 5E
PRODUCT CONTROL – DILUTION

Candidate Number_____ Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.6.1

Skill: The Candidate shall demonstrate how to apply water to dilute a spill or leak in a quantity sufficient to dilute the effects of the material to a safe concentration

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Use ERG to determine hazards & determine WATER dilution is appropriate.	_____ 10
Verbalize isolating and evacuating the area according to the ERG guidelines	_____ 10
Verbalize eliminating all ignition sources.	_____ 10
Select correct foam if applicable, identify characteristics, and demonstrate application.	_____ 10
Selecting and using PPE	_____ FAIL
Limited risk of personal exposure	_____ FAIL
Identifies source of spill or leak and stops leak by closing the remote valve, if it is applicable and safe to do so.	_____ 5
Establishes two hoselines. One attack/one backup/safety 1 ½" or 1 ¾" line.	_____ 5
Perform initial monitoring test to determine the current degree of hazard, strength, or concentration of the material.	_____ 5
Initially applies a small amount of water to a small amount of spilled material to ensure adverse reactions will not occur.	_____ 10
For corrosives – flow water at low pressure-low volume to dilute spilled material and does not plunge water into the product. OR	_____ 10
For polar solvent liquids – applies water spray in high flow rates to the surface of the liquid and does not plunge water into the product.	_____ 10
Controls runoff, and controls vapors when possible.	_____ 10
Repeats monitoring process to determine when the dilution process has Accomplished its goal of reducing the hazard to a safe level.	_____ 5

Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 5F
PRODUCT CONTROL – DIVERSION

Candidate Number_____ Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.6.1

Skill: The Candidate, given a scenario by the evaluator, shall demonstrate how to control product using diversion techniques.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Use ERG to determine hazards & determine diversion is appropriate action	_____ 10
Verbalize isolating and evacuating the area according to the ERG guidelines	_____ 10
Verbalize eliminating all ignition sources.	_____ 10
Select correct foam if applicable, identify characteristics, and demonstrate application.	_____ 10
Selecting and using PPE	_____ FAIL
Limited risk of personal exposure	_____ FAIL
Identifies source of spill or leak and stops leak by closing remote valve if it is applicable and safe to do so.	_____ 10
Perform initial monitoring test to determine hazard magnitude	_____ 10
Construct diversion in proper/sufficient size and location	_____ 10
or concentration of the material.	_____ 10
Controls runoff, and controls vapors when possible.	_____ 10
Repeats monitoring process to determine when the diversion process has Accomplished its goal of reducing the hazard to a safe level.	_____ 10

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Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 5G
PRODUCT CONTROL – RETENTION

Candidate Number_____ Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.6.1

Skill: The Candidate, given a scenario by the evaluator, shall demonstrate how to control product using retention techniques.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Use ERG to determine hazards & determine retention is appropriate action.	_____ 10
Verbalize isolating and evacuating the area according to the ERG guidelines	_____ 10
Verbalize eliminating all ignition sources.	_____ 10
Select correct foam if applicable, identify characteristics, and demonstrate application.	_____ 10
Selecting and using PPE	_____ FAIL
Limited risk of personal exposure	_____ FAIL
Identifies source of spill or leak and stops leak by closing the remote valve, if it is applicable and safe to do so.	
Construct/identify/procure retention area in proper/sufficient size and location	_____ 20
Provide safety backup procedure in the event of unexpected reaction.	_____ 10
Perform initial monitoring test to determine the current degree of hazard, strength, or concentration of the material.	_____ 10
Controls runoff, and controls vapors when possible.	_____ 10
Repeats monitoring process to determine when the retention process has accomplished its goal of reducing the hazard to a safe level.	_____ 10

Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 5H
PRODUCT CONTROL – REMOTE VALVE SHUT OFF

Candidate Number_____ Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.6.1

Skill: The Candidate, given a scenario by the evaluator, shall demonstrate how to control product ensuring or activation of a remote valve shut off.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Use ERG to determine hazards & determine retention is appropriate action.	_____ 10
Verbalize isolating and evacuating the area according to the ERG guidelines	_____ 10
Verbalize eliminating all ignition sources.	_____ 10
Select correct foam if applicable, identify characteristics, and demonstrate application.	_____ 10
Selecting and using PPE	_____ FAIL
Limited risk of personal exposure	_____ FAIL
Using remote control valves and emergency shutoff devices on cargo tanks and intermodal tanks in transportation and containers at fixed facilities Locate, identify, and safely shut down product line using remote valve	_____ 20
Establishes two hoselines. One attack/one backup/safety 1 ½" or 1 ¾" line.	_____ 10
Perform initial monitoring test to determine the current degree of hazard, strength, or concentration of the material.	_____ 10
Controls runoff, and controls vapors when possible.	_____ 10
Repeats monitoring process to determine when the remote shut off process has accomplished its goal of reducing the hazard to a safe level.	_____ 10

Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 5I
PRODUCT CONTROL – VAPOR DISPERSION

Candidate Number_____ Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.6.1

Skill: The Candidate, given a scenario by the evaluator, shall demonstrate how to mitigate a hazardous environment using vapor dispersion techniques.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Use ERG to determine hazards & determine if vapor dispersion is appropriate action	_____ 10
Verbalize isolating and evacuating the area according to the ERG guidelines	_____ 10
Verbalize eliminating all ignition sources.	_____ 10
Select correct foam if applicable, identify characteristics, and demonstrate application.	_____ 10
Selecting and using PPE	_____ FAIL
Limited risk of personal exposure	_____ FAIL
Identifies source of spill or leak and stops leak if it is applicable and safe to do so	_____ 10
Use water spray or fans to control dispersion	_____ 20
Perform initial monitoring test to determine the current degree of hazard, strength, or concentration of the material.	_____ 10
Move vapors away from threatened area	_____ 10
Repeats monitoring process to determine when the dispersion process has accomplished its goal of reducing the hazard to a safe level.	_____ 10

Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 5J
PRODUCT CONTROL – VAPOR SUPPRESSION

Candidate Number_____ Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.6.1

Skill: The Candidate, given a scenario by the evaluator, shall demonstrate how to mitigate a hazardous environment using vapor suppression techniques.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Use ERG to determine hazards & determine if vapor suppression is appropriate action	_____ 10
Verbalize isolating and evacuating the area according to the ERG guidelines	_____ 10
Verbalize eliminating all ignition sources.	_____ 10
Select correct foam if applicable, identify characteristics, and demonstrate application.	_____ 10
Selecting and using PPE	_____ FAIL
Limited risk of personal exposure	_____ FAIL
Identifies source of spill or leak and stops leak if it is applicable and safe to do so	_____ 10
Perform initial monitoring test to determine the current degree of hazard, strength, or concentration of the material.	_____ 10
Approach spill from uphill and upwind side	_____ 5
Set nozzle to correct pattern (GPM and flow, if applicable)	_____ 10
Use correct application procedure (banked, roll down, rain down)	_____ 10
Did not disturb foam blanket	_____ 10
Repeats monitoring process to determine when the suppression process has accomplished its goal of reducing the hazard to a safe level.	_____ 5

Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 6
AIR MONITORING

Candidate Number_____

Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.7.1
Perform detection, monitoring, and sampling at a hazardous materials/WMD incident, given a hazardous materials/WMD incident; an assignment in an IAP; scope of the problem; policies and procedures; approved resources; detection, monitoring, and sampling equipment; PPE; and access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, detection, monitoring, and sampling methods are selected; approved equipment is selected for detection, monitoring, or sampling of solid, liquid, or gaseous hazardous materials/WMD; approved PPE is selected and used; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; detection, monitoring, and sampling operations are implemented as needed; results of detection, monitoring, and sampling are read, interpreted, recorded, and communicated; personnel and their equipment are decontaminated; detection, monitoring, and sampling equipment is maintained; and detection, monitoring, and sampling operations are reported and documented.

Skill: The candidate, given a scenario by the evaluator, will determine the appropriate air monitoring device/detector and demonstrate proper operation.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Identify type and physical state of hazardous material	_____ 10
Selecting and using PPE	_____ FAIL
Stays out of the product and hazard zone	_____ 10
Selects monitoring equipment for radioactivity	_____ 10
Selects monitoring equipment for oxygen levels	_____ 10
Selects monitoring equipment for volatile organic compounds	_____ 10
Selects monitoring equipment for nerve and blistering agents	_____ 10
Describe/demonstrate field testing, operation and maintenance of detector selected	_____ 10
Describe/demonstrate decontamination process/procedure for self/detector selected	_____ 10
Interprets air monitoring/monitoring equipment readings	_____ 10
Completing required reports and supporting documentation for detection, monitoring, and sampling operations	_____ 10

Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 7
VICTIM RESCUE AND RECOVERY

Candidate Number_____

Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.8.1
Perform rescue and recovery operations at a hazardous materials/WMD incident, given a hazardous materials/WMD incident involving exposed and/or contaminated victims; an assignment in an IAP; scope of the problem; policies and procedures; approved tools, equipment, including special rescue equipment, and PPE; and access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, the feasibility of conducting a rescue or a recovery operation is determined; approved PPE is selected and used; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; rescue or recovery options are selected within the capabilities of available personnel, approved tools, equipment, special rescue equipment, and PPE; victims are rescued or recovered; victims are prioritized and patients are triaged and transferred to the decontamination group, casualty collection point, area of safe refuge, or medical care in accordance with the IAP; personnel, victims, and equipment used are decontaminated; and victim rescue and recovery operations are reported and documented.

Skill: The candidate, given a scenario by the evaluator, will demonstrate safe and proper victim recovery and rescue from hazardous materials environments.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Describe/demonstrate safe rescue methods for ambulatory and non-ambulatory patients'	_____ 20
Identifying both rescue and recovery situations	_____ 10
Using available specialized rescue equipment	_____ 10
Selecting and using PPE for the victim and the rescuer	_____ 10
Avoid unnecessary direct contact with contaminant	_____ 10
Selecting proper rescue or recovery options	_____ 10
Victim prioritizing and patient triaging	_____ 10
Completing required reports and supporting documentation for victim rescue and recovery operations	_____ 20

Total Points Possible 100

Total Deductions _____

Score _____

CHAPTER 6: SKILL STATION 8
ILLICIT LAB

Candidate Number_____

Evaluator: _____

Reference: NFPA 1072 2017 Edition: 6.9.1
Perform response operations at an illicit laboratory at a hazardous materials/WMD incident, given a hazardous materials/WMD incident involving an illicit laboratory; an assignment in an IAP; scope of the problem; policies and procedures; approved tools, equipment, and PPE; and access to a hazardous materials technician, an allied professional including law enforcement agencies or others having similar investigative authority, an emergency response plan, or standard operating procedures, so that under the guidance of a hazardous materials technician, an allied professional including law enforcement agencies or others having similar investigative authority, an emergency response plan, or standard operating procedures, the scene is secured; the type of laboratory is identified; potential hazards are identified; approved PPE is selected and used; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; control procedures are implemented; evidence is identified and preserved; personnel, victims, tools, and equipment are decontaminated; and illicit laboratory operations are reported and documented.

Skill: The candidate, given a scenario by the evaluator, will demonstrate safe and proper victim recovery and rescue from hazardous materials environments.

Did the candidate, as instructed, demonstrate competency in the following:	**Deduction Points**
Implementing scene control procedures	_____15
Selecting and using PPE	_____FAIL
Selecting detection, monitoring, and sampling equipment	_____10
Implementing technical decontamination for personnel	_____15
Securing an illicit laboratory	_____10
Identifying and isolating hazards	_____10
Identifying safety hazards	_____10
Conducting a joint hazardous materials/hazardous devices assessment operation	_____10
Decontaminating potential suspects, tactical law enforcement personnel, weapons and law enforcement canines	_____10
Completing required reports and supporting documentation for illicit laboratory response operations	_____10

Total Points Possible 100

Total Deductions_____

Score _____