



Nevada Department of  
**Public Safety**  
State Fire Marshal

# Nevada Fire Service Certification System

# Hazardous Materials Operations Manipulative Skills Manual

Fire & Hazardous Material Training & Certification Bureau

Revised July 2024



# OPERATIONS MANIPULATIVE SKILL OBJECTIVES

## REPORTING AND DOCUMENTATION

### 1. **Demonstrate procedures for establishing and transferring command at a Hazardous Materials/WMD incident, utilizing an incident management system.**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition 7.2.1, 7.3.1

CONDITION: Given a Local Emergency Response Plan (LERP) provided by the Authority Having Jurisdiction (AHJ), a scenario for a Hazardous Materials/WMD incident and an Emergency Response Guide (ERG) and a tactical worksheet as provided by AHJ.

COMPETENCE:

- Given a brief size-up:
  - Unit on scene
  - Location
  - Nature of incident (i.e. Containers, location, nearby exposures, risks, etc.)
  - Current conditions (“This is what I see”)
- Identify material
- Identify the isolation zones
- Implement appropriate emergency operations
- Implement site safety and control plan
- Designate a safety officer
- Establish Incident Command & Accountability and announce location
- Name the Incident.

### 2. **Brief assigned personnel so that the personnel are informed of specific tasks and standards, safety, operational, and special interest area considerations for the following:**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition, 7.2.1, 7.3.1, 7.6.1

CONDITION: Given one of two scenarios involving HAZMat/WMD incidents, including a completed Incident Action Plan (IAP).

COMPETENCE:

- Give status of incident.
- Identify Hazards.
- Give tasks to be performed.
- Description of the site.
- Expected duration of the tasks.
- Explain PPE requirements.
- Monitor progress of the incident.
- Describe emergency radio traffic procedures.
- Describe evacuation signal procedures.
- Monitor progress of the incident.

**3. Identify and complete the reporting and documentation requirements within the emergency response plan or IAP regarding PPE.**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition 7.3.1, 7.4.1, 7.6.1, 9.2.1

CONDITION: Given a scenario and a blank ICS 208 HM document, evaluate, document, and report the progress of the hazardous materials incident. Following department SOPs and/or under the direction of a Hazmat Technician.

SCENARIO: Fuel leaking from a saddle tank on a semi-truck

COMPETENCE:

- Entry Team: Complete an ICS form 208 HM (box 17).
  - Identify type of PPE required by scenario.
  - Identify reference and why that PPE is to be worn.
  - Reinforce compliance.
- Decon Team: Fill out the ICS form 208 HM (box 18).
  - Identify type of PPE required by scenario.
  - Identify reference and why that PPE is to be worn.
  - Reinforce compliance.
- Verbalize if objectives are being met.
  - Are the conditions improving.
  - Is the PPE appropriate.
  - Is the isolation zone adequate.
- Communicate progress to incident commander through appropriate means.

### **DECONTAMINATION**

**4. Demonstrate “emergency” decontamination of a victim using water.**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition, 7.5.1

CONDITION: Given water supply, wearing full PPE as defined by the ERG, hose/nozzles, 2-firefighter team, and a victim to be decontaminated (dressed in a splash suit, firefighter turnouts, or street clothing)  
\*PPE donned before skill begins.

COMPETENCE:

- Select appropriate site to minimize runoff contamination.
- Responder directs victim on procedures (flush, strip, flush, cover).
- Rinse personnel starting from the head, working towards the feet.
- Direct Victim being decontaminated to remove contaminated clothing as much as possible.
- As necessary, decontamination team members touch outside of clothing being removed to avoid cross contamination.
- Direct victim to place contaminated articles in a designated area within the contamination zone.
- Rinse the victim head to toe again.
- Give the victim covering (i.e., towel, blanket, gown, etc.).
- Direct victim to exit the warm zone for further evaluation.

**5. Demonstrate the setting up of a multiple-station decontamination corridor.**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 Edition, 7.5.1, 8.4.4.1

CONDITION: Given equipment as determined by incident, department SOGs or a qualified Hazardous Materials Technician, and 2-member team for a single line decon corridor. "Dry" or "Wet" as determined by AHJ.

COMPETENCE:

- Select appropriate site that is upwind of the incident and drains towards the "hot" zone.
- Clearly marked entry point.
- Designate a tool drop station.
- Confine decon solutions and runoff water.
- Establish a wash station (may have multiple).
- Establish a rinse station (may have multiple).
- Designate a PPE drop station(s).
- Address ambulatory and non-ambulatory responder decon capabilities.
- Clearly marked exit point.

**6. Demonstrate decontamination of an emergency responder.**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 Edition, 7.4.1, 7.5.1, 9.2.1, 9.4.1, 8.4.4.1

CONDITION: Given a decon corridor, a water supply as necessary (can be simulated), hose/nozzles, a 2 or 4 member team, a responder dressed in appropriate level of protection to be decontaminated, a minimum of a splash suit and SCBA for the team conducting the decontamination in a 2-member team for a single line decon corridor or a 4-member team for a double line decon corridor. At the minimum, Firefighter PPE and SCBA for a person performing decontamination shall be worn. "Dry" or "Wet" as determined by AHJ.

\*For completion of this skill, the AHJ should select the appropriate set of competences for a "Non-Encapsulated Suit" or an "Encapsulated Suit." It is NOT required that both sets of competences be completed, only those that are specific to the suit used in their jurisdiction.

COMPETENCE: **NON-ENCAPSULATED SUIT**

- Direct the responder to enter at entry point.
- Direct the responder to drop the tools in the designated area.
- Direct the responder to enter wash station.
- Wash the responder, starting with the head.
- Decon personnel: Control the runoff of the wash station.
- Direct the responder to drop the SCBA in the designated area without removing the face piece.
- Remove contaminated PPE.
- Decon the team member to avoid cross contamination.
- Place contaminated articles in one designated area within the corridor.
- Direct the responder to remove the face mask and then inner gloves.
- Direct the responder to exit the warm zone for further evaluation.

- Evaluate effectiveness of decon.
- TIME: 15 minutes

COMPETENCE:

**ENCAPSULATED SUIT**

- Direct the responder to enter at entry point.
  - Direct the responder to drop the tools in the designated area.
  - Direct the responder to enter wash station.
  - Wash the responder, starting with the head.
  - Decon personnel: Control the runoff of the wash station.
  - Remove contaminated PPE.
  - Decon the team member to avoid cross contamination.
  - Place contaminated articles in one designated area within the corridor.
  - Direct the responder to drop the SCBA in the designated area without removing the face piece.
  - Direct the responder to remove the face mask and then inner gloves.
  - Direct the responder to exit the warm zone for further evaluation.
  - Evaluate effectiveness of decon.
- TIME: 15 minutes

**PERSONAL PROTECTIVE EQUIPMENT**

**7. Identify and describe the function of each component of the Self-Contained Breathing Apparatus (SCBA).**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 Edition, 7.3.1, 7.4.1, 9.2.1, 8.2.4.1

CONDITION: Given a Self-Contained Breathing Apparatus (SCBA) used by the responder.

COMPETENCE:

- Identify and describe backpack/harness.
- Identify and describe air cylinder: cylinder, valve, and pressure gauge.
- Identify and describe regulator assembly: high pressure hose, low pressure alarm, main line valve, and emergency by-pass valve.
- Identify and describe facepiece assembly: low pressure hose/mask mounted regulator, exhalation valve, and head harness.
- Determine SCBA's readiness for use.

**8. Demonstrate donning Self-Contained Breathing Apparatus (SCBA).**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition, 7.3.1, 7.4.1, 9.2.1, 8.2.4.1

CONDITION: Given a Self-Contained Breathing Apparatus (SCBA) used by the responder.

**\*Steps may vary between SCBAs made by different manufacturers. However all of the competences shall be covered during the donning process.**

COMPETENCE:

- Check SCBA cylinder pressure gauge for full level.
- Open cylinder valve fully and verbalize pressure.
- Check regulator and cylinder gauge - gauges should accurately correlate.

- Don backpack and fasten/tighten all straps.
- Don face piece, adjust head harness.

**8. Demonstrate donning Self-Contained Breathing Apparatus (SCBA). (cont.)**

- Check seal, positive/negative pressure check.
- Don hood over the head.
- Don helmet and tighten chin strap (helmet ear flaps down)
- Attach supply hose to regulator **or** face piece.
- Don Gloves

**9. Demonstrate doffing Self-Contained Breathing Apparatus (SCBA).**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition, 7.4.1, 9.2.1, 8.2.4.1

CONDITION: Wearing a Self-Contained Breathing Apparatus.

- COMPETENCE:
- Disconnect regulator from facepiece or low-pressure hose from regulator.
  - Doff SCBA and place on ground, close cylinder valve.
  - Relieve excess pressure from regulator, listen for low-pressure alarm.
  - Fully extend all straps on SCBA backpack.
  - Fully extend all straps on facepiece.
  - Inspect entire apparatus for cleanliness and damage.
  - Place back in service.

**10. Assist/Don emergency response personnel in donning hooded chemical protective clothing and SCBA.**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition, 7.4.1, 9.2.1, 9.6.1, 8.2.4.1

CONDITION: Given a chemical protective suit (as used by the AHJ), boots, gloves, duct tape, helmet, SCBA with face piece, and a 2-member team: one person donning and one dressing. Candidate must Don and Assist in order to pass the skill.

- COMPETENCE:
- Skills for person donning suit
- Don hooded splash suit.
  - Don boots.
  - Don SCBA.
  - Don face piece.
  - Check face seal.
  - Don inner gloves.
  - Don outer gloves.
  - Don head protection.
- Skills for person assisting in donning of splash suit.
- Assist responder with donning hooded splash suit.
  - Assist donning boots.

- \*Correctly tape suit to boots

**10. Assist/Don emergency response personnel in donning hooded chemical protective clothing and SCBA. (cont.)**

- \*Completely tape hood of PPE to SCBA face piece, do not cover field of vision on face piece and don't obstruct airway.
- Assist donning SCBA.
- \*Tape front closure area and neck area.
- Assist donning inner gloves.
- Assist donning outer gloves.
- \*Correctly tape suit to outer glove.
- Assist responder to go on air.
- Tab all ends of tape (2" minimum).

**11. Demonstrate Donning (and Doffing) Firefighter Turnout Gear/PPE.**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition, 7.4.1, 9.2.1, 9.6.1, 8.2.4.1

CONDITION: Given boots, gloves, Nomex hood, bunker bottoms, bunker coat and helmet.

COMPETENCE:

- Don bunker pants.
- Don boots.
- Don hood.
- Don coat.
- Don helmet.
- Don gloves.
- Doff Turnout Gear/PPE

**PERFORMING DEFENSIVE CONTROL ACTIONS**

**12. Demonstrate stopping product release by closing remote valves.**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition, 7.6.1, 8.6.4.1, 9.6.1

CONDITION: Given a simulated spill from a tank or fixed facility, wearing full PPE as defined by the ERG, a remote valve, and 2-member team.  
\*PPE donned before skill begins.

COMPETENCE:

- Confirm location of remote valve.
- Approach valve location, staying out of product.
- Open or close valve.
- Evaluate whether the shutting of the valve stopped the leak. Verbalize to command.
- Exit area maintaining team integrity.

**13. Demonstrate use of unmanned master stream (300 gpm or greater) for vapor suppression or dispersion.**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition, 7.4.1, 9.6.1, 8.6.4.2

CONDITION: Given a simulated spill, water supply, wearing full PPE as defined by the ERG, a master stream appliance, 100 ft. 2 1/2" hose, and 2-person team. PPE: Minimum Firefighter Turnouts, SCBA.  
\*PPE donned before skill begins.

COMPETENCE:

- Approach upwind/upgrade of product.
- Properly set up the system and adjust stream of appliance.
- Demonstrate proper application techniques.
- Do not direct stream directly into pool or spill.
- Flow until evaluator is satisfied.

**14. Demonstrate the use of a hoseline to dilute or dispersion vapors on a hazardous materials spill.**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition, 7.4.1, 9.6.1, 8.6.4.2

CONDITION: Given a simulated spill, water supply, wearing full PPE as defined by the ERG, minimum 1 3/4" attack line, fire apparatus or water supply, 2-person team. PPE: Minimum Firefighter Turnouts, SCBA.  
\*PPE donned before skill begins.

COMPETENCE:

- Extend attack line, open nozzle to bleed air.
- Determine direction of water stream.
- Adjust stream of appliance.
- Demonstrate proper application techniques.
- Use hose stream to direct product or vapors
- Work upstream of product
- **Two** personnel to operate attack line

**15. Demonstrate the proper application of fire fighting foam on a simulated hazardous materials spill or fire.**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition, 7.4.1, 9.6.1, 8.6.4.2

CONDITION: Given a simulated gasoline spill (36 sq. ft.), wearing full PPE as defined by the ERG, an established foam application system (apparatus or foam extinguisher), and a 2-member team. PPE: Minimum Firefighter Turnouts, SCBA.  
\*PPE donned before skill begins.

COMPETENCE:

- Approach spill upwind/upgrade of product
- Demonstrate proper application techniques.
- Select one of the three methods of foam application (roll on, bank, rain down).



- Do not direct stream directly into pool.

**16. Demonstrate construction of a dike to divert a spill.**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition, 7.4.1, 7.6.1, 9.6.1, 8.6.3.1

CONDITION: Given a simulated moving spill, wearing full PPE as defined by the ERG, sand or dirt, shovels, plastic, 3-person team. PPE: Minimum Firefighter Turnouts, SCBA.  
\*PPE donned before skill begins.

COMPETENCE:

- Construct a dike 6 feet long and a minimum of 6 inches high.
- Work ahead of spill, out of product.
- Two personnel are to build the dike and one is to standby as safety.
- Divert spill.
- Evaluate whether the dike is constructed appropriately and accomplishes the objective (must verbalize).

**17. Demonstrate construction of a simple dam to control a spill.**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition, 7.4.1, 7.6.1, 9.6.1, 8.6.3.1

CONDITION: Given a simulated spill, wearing full PPE as defined by the ERG, sand or dirt, shovels, plastic, a 3-person team, PPE: Minimum Firefighter Turnouts, SCBA.  
\*PPE donned before skill begins.

COMPETENCE:

- Construct a dam 6 feet long and a minimum of 8 inches high.
- Work ahead of spill out of product.
- Two personnel to build dam and **one** member to standby as safety.
- Control spill.

**18. Demonstrate the use of an absorbent pad or absorbent material to control a spill of a hazardous material.**

REFERENCE: NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022 edition, 7.4.1, 7.6.1, 9.6.1, 8.6.3.1

CONDITION: Given a simulated spill, wearing full PPE as defined by the ERG, an absorbent pad or other material, shovels, 3-person team. PPE: Minimum Firefighter Turnouts, SCBA.  
\*PPE donned before skill begins.

COMPETENCE:

- Control or adsorb spill by putting absorbent pad/adsorbent materials in place.
- Work ahead of spill out of product.
- Two personnel to build dam and **one** member to standby as safety.

## REPORTING AND DOCUMENTATION

**Skill 1:** Demonstrate procedures for establishing and transferring command at a Hazardous Materials/WMD incident, utilizing an incident management system. NFPA 470, 2022 edition 7.2.1, 7.3.1

**CONDITION:** Given a Local Emergency Response Plan (LERP) provided by the Authority Having Jurisdiction (AHJ), a scenario for a Hazardous Materials/WMD incident and an Emergency Response Guide (ERG) and a tactical worksheet as provided by AHJ.

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

		<u>1st. Att.</u>	<u>2nd Att.</u>
	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>N</u>	<u>Y</u>	<u>N</u>
1. Given a brief size-up:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Unit on scene			
• Location			
• Nature of incident (Containers, location, nearby exposures, risks)			
• Current conditions (This is what I see)			
2. Identify material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Identify the isolation zones.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Implement appropriate emergency operations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Implement site safety and control plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Designate a safety officer.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Establish Incident Command & Accountability and announce location.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Name the Incident.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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**PERFORMANCE RATING ON THIS SKILL:**

	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

**Notice to Evaluators:** Candidate must sign for **2nd attempt failures**. By this signature the candidate is notified that he/she has failed this skill and will be required to take a 3rd and final attempt, no sooner than 30 days from today's date. The 3rd attempt will consist of **this skill plus one additional skill** from this same area of the standard.

**Candidate's Signature:** \_\_\_\_\_

**REPORTING AND DOCUMENTATION**

**Skill 2:** Brief assigned personnel so that the personnel are informed of specific tasks, standards, safety, operational, and special interest area considerations. NFPA 470, 2022 edition, 7.2.1, 7.3.1, 7.6.1

**CONDITION:** Given one of two scenarios involving HAZMat/WMD incidents, including a completed Incident Action Plan (IAP).

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Status of incident.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Hazards identified.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Tasks to be performed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Description of the site.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Expected duration of the tasks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. PPE requirements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Monitoring requirements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Describe emergency radio traffic procedures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Describe evacuation signal procedures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Monitor progress of the incident.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**PERFORMANCE RATING ON THIS SKILL:**

	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

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Candidate's Signature: \_\_\_\_\_

## REPORTING AND DOCUMENTATION

**Skill 3:** Identify and complete the reporting and documentation requirements within the emergency response plan or IAP regarding PPE.  
NFPA 470, 2022 edition, 7.3.1, 7.4.1, 7.6.1, 9.2.1

**CONDITION:** Given a scenario and a blank ICS 208 HM document, evaluate, document, and report the progress of the hazardous materials incident. Following department SOPs and/or under the direction of a Hazmat Technician. **(ICS 208 HM form available on SFMD site.)**

**SCENARIO:** Fuel leaking from a saddle tank on a semi-truck

### APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Entry Team: Complete an ICS form 208 HM (box 17). -Identify type of PPE required by scenario -Identify type of PPE and when it is to be worn -Reinforce compliance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Decon Team: Fill out the ICS form 208 HM (box 18). -Identify type of PPE and when it is to be worn -Reinforce compliance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Verbalize if objectives are being met. -Identify type of PPE required by scenario -Identify type of PPE and when it is to be worn -Reinforce compliance *Requires the use of PPE when exposures are expected.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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<b>PERFORMANCE RATING ON THIS SKILL:</b>	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

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**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

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**Candidate's Signature:** \_\_\_\_\_

## DECONTAMINATION

**Skill 4:** Demonstrate "Emergency" decontamination of a victim using water.  
NFPA 470, 2022 edition, 7.5.1, 9.3.1

**CONDITION:** Given water supply, wearing full PPE as defined by the ERG, hose/nozzles, 2-firefighter team, and a victim to be decontaminated (dressed in a splash suit, firefighter turnouts, or street clothing)  
\*PPE donned before skill begins.

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Select appropriate site to minimize runoff contamination.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Responder directs victim on procedures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Rinse personnel starting from the head, working towards the feet.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Direct Victim being decontaminated to remove contaminated clothing as much as possible.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. As necessary, decon team member's touch outside of clothing being removed to avoid cross contamination.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Direct victim places contaminated articles in one designated area within contamination zone.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Rinse the victim head to toe again.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Victim given protective clothing. (i.e. towel, blanket, gown)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Victim directed to exit warm zone for further evaluation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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**PERFORMANCE RATING ON THIS SKILL:**

	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

**Notice to Evaluators:** Candidate must sign for **2nd attempt failures**. By this signature the candidate is notified that he/she has failed this skill and will be required to take a 3rd and final attempt, no sooner than 30 days from today's date. The 3rd attempt will consist of **this skill** plus **one additional skill** from this same area of the standard.

**Candidate's Signature:** \_\_\_\_\_

## DECONTAMINATION

**Skill 5:** Demonstrate the setting up of a multiple station decontamination corridor. NFPA 470, 2022 edition, 7.5.1, 9.3.1, 8.4.4.1

**CONDITION:** Given equipment as determined by incident, department SOGs or a qualified Hazardous Materials Technician, and 2-member team for a single line decon corridor. "Dry" or "Wet" as determined by AHJ.

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Select appropriate site, upwind of incident, drainage towards "hot" zone.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Clearly marked entry point.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Designated tool drop station.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Confinement of decon solutions and runoff water.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Establish wash station, (may be multiple).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Establish rinse station, (may be multiple).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. SCBA drop/Bottle change.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Designate a PPE drop station(s).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Address ambulatory/non-ambulatory decon capabilities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Clearly marked exit point.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

---

<b>PERFORMANCE RATING ON THIS SKILL:</b>	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

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**Candidate's Signature:** \_\_\_\_\_

## DECONTAMINATION

**Skill 6:** Demonstrate decontamination of emergency responder.  
 NFPA 472, 2022 edition, 7.4.1, 7.5.1, 9.2.1, 9.3.1, 9.4.1, 8.4.4.

**CONDITION:** Given a decon corridor, a water supply as necessary (can be simulated), hose/nozzles, a 2 or 4 member team, a responder dressed in appropriate level of protection to be decontaminated, a minimum of a splash suit and SCBA for the team conducting the decontamination. PPE: Minimum Firefighter Turnouts, SCBA. “Dry” or “Wet” as determined by AHJ.

*Evaluators must ensure that the competences are completed in the correct order for a “Non-Encapsulated Suit” or an “Encapsulated Suit.” (Refer to Manipulative Skills Manual.)*

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

		<u>1st. Att.</u>	<u>2nd Att.</u>
	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>N</u>		<u>N</u>
1. Direct responder to enter entry point.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Direct responder to drop tools in designated area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Direct responder to enter wash station.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Rinse personnel starting from the head.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Decon personnel control run off of wash station.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Direct responder to drop SCBA in designated area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Remove contaminated PPE or clothing.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Decon team members avoid cross contamination.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Place contaminated articles in one designated area within corridor.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Direct responder to exit designated point.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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**PERFORMANCE RATING ON THIS SKILL:**

	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

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**Candidate's Signature:** \_\_\_\_\_

**PERSONAL PROTECTIVE EQUIPMENT**

**Skill 7:** Identify and describe the function of each component of the Self Contained Breathing Apparatus (SCBA).  
 NFPA 470, 2022 Edition, 7.3.1, 7.4.1, 9.2.1, 8.2.4.1

**CONDITION:** Given a Self-Contained Breathing Apparatus (SCBA) used by the responder.

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

	<u>1st. Att.</u>	<u>2nd Att.</u>
	<u>Y</u> <u>N</u>	<u>Y</u> <u>N</u>
1. Identify and describe backpack/harness.	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
2. Identify and describe air cylinder - cylinder, valve, and pressure gauge.	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
3. Identify and describe regulator assembly: high pressure hose, low pressure alarm, main line valve, and emergency by-pass valve.	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
4. Identify and describe facepiece assembly - low pressure hose, exhalation valve, and head harness.	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
5. Determine SCBA's readiness for use.	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

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<b>PERFORMANCE RATING ON THIS SKILL:</b>	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator #1:** \_\_\_\_\_  
 (Please Print)

**Evaluator #2:** \_\_\_\_\_  
 (Please Print)

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**Candidate's Signature:** \_\_\_\_\_



**PERSONAL PROTECTIVE EQUIPMENT**

**Skill 8:** Demonstrate donning Self Contained Breathing Apparatus (SCBA).  
NFPA 470, 2022 edition, 7.3.1, 7.4.1, 9.2.1, 8.2.4.1

**CONDITION:** Given a Self-Contained Breathing Apparatus (SCBA) used by the responder. PPE: Minimum Firefighter Turnouts, SCBA.

\*Steps may vary between SCBAs made by different manufacturers.  
All competences shall be covered during the donning process.

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

	<b><u>1st. Att.</u></b>		<b><u>2nd Att.</u></b>	
	<b><u>Y</u></b>	<b><u>N</u></b>	<b><u>Y</u></b>	<b><u>N</u></b>
1. Crouch or kneel at SCBA with firefighter turnouts on.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Check SCBA cylinder pressure gauge for full level.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Open cylinder valve fully, verbalize pressure.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Check regulator and cylinder gauge, gauges should read within 100 psi of each other.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Don backpack and fasten/tighten all straps.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Don face piece, adjust head harness.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Check seal, positive/negative pressure check.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Don hood over head.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Don helmet and tighten chin strap (helmet earflaps down).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Attach supply hose to regulator or face piece.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Confirm PASS device activated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Don gloves.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Doff SCBA and place back in service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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<b>PERFORMANCE RATING ON THIS SKILL:</b>		<b><u>PASS</u></b>	<b><u>FAIL</u></b>
	First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
	Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

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**Candidate's Signature:** \_\_\_\_\_

**PERSONAL PROTECTIVE EQUIPMENT**

**Skill 9:** Demonstrate doffing Self Contained Breathing Apparatus (SCBA).  
 NFPA 470, 2022 edition, 7.4.1, 9.2.1, 8.2.4.1

**CONDITION:** Responder wearing a Self-Contained Breathing Apparatus (SCBA).

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

	<u>1st. Att.</u>		<u>2nd Att.</u>		
	Y	N	Y	N	
1. Disconnect regulator from facepiece or low pressure hose regulator.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	from
2. Doff SCBA and place on ground, close cylinder valve.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Relieve excess pressure from regulator, listen for low pressure alarm.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Fully extend all straps on SCBA backpack.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Fully extend all straps on facepiece.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Inspect entire apparatus for cleanliness and damage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Place back in service.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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<b>PERFORMANCE RATING ON THIS SKILL:</b>	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

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**Candidate's Signature:** \_\_\_\_\_

**PERSONAL PROTECTIVE EQUIPMENT**

**Skill 10:** Assist/Don emergency response personnel in donning hooded chemical splash protective clothing and SCBA. NFPA 470, 2022 Edition, 7.4.1, 9.2.1, 9.6.1, 8.2.4.1

**CONDITION:** Given a chemical protective suit (as used by the AHJ), boots, gloves, duct tape, helmet, SCBA with face piece, a 2-member team: one person donning and one dressing. Each candidate must Don and Assist in order to pass the skill.

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

	<b><u>1st. Att.</u></b>		<b><u>2nd Att.</u></b>	
<b>SKILLS FOR PERSON DONNING SPLASH SUIT:</b>	<b>Y</b>	<b>N</b>	<b>Y</b>	<b>N</b>
1. Don hooded splash suit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Don boots.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Don SCBA.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Don face piece.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Check face seal.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Don inner gloves.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Don outer gloves.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Don head protection.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>SKILLS FOR PERSON ASSISTING IN DONNING OF SPLASH SUIT:</b>				
1. Assist donning hooded splash suit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Assist donning boots and correctly apply tape to boots.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. *Completely tape hood of PPE to SCBA face piece, do not cover field of vision on face piece.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Assist donning SCBA.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. *Tape front closure area and neck area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Assist donning inner gloves.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Assist donning outer gloves.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Assist responder to go on air.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Tape all ends of tape (2" minimum).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>PERFORMANCE RATING ON THIS SKILL:</b>	<b><u>PASS</u></b>		<b><u>FAIL</u></b>	
First Attempt	<input type="checkbox"/>		<input type="checkbox"/>	
Second Attempt	<input type="checkbox"/>		<input type="checkbox"/>	

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

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**Candidate's Signature:** \_\_\_\_\_

**PERSONAL PROTECTIVE EQUIPMENT**

**Skill 11:** Demonstrate Donning (and Doffing) Firefighter Turnout Gear/PPE.  
NFPA 470, 2022 edition, 7.4.1, 9.2.1, 9.6.1, 8.2.4.

**CONDITION:** Given boots, gloves, Nomex hood, bunker bottoms, bunker coat and helmet.

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES**

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Don bunker pants.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Don boots.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Don hood.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Don coat.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Don helmet.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Don gloves.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Doff Turnout Gear/PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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**PERFORMANCE RATING ON THIS SKILL:**

	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_  
\_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_  
(Please Print)

**Evaluator #2:** \_\_\_\_\_  
(Please Print)

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**Candidate's Signature:** \_\_\_\_\_

## PERFORMING DEFENSIVE CONTROL ACTIONS

**Skill 12:** Demonstrate stopping product release by closing remote valves.  
NFPA 470, 2022 edition, 7.6.1, 8.6.4.1, 9.6.1

**CONDITION:** Given a simulated spill from a tank or fixed facility, wearing full PPE as defined by the ERG, a remote valve, and 2-member team.  
\*PPE donned before skill begins.

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Confirm location of remote valve.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Approach valve location staying out of product.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Open or close valve.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Evaluate if shutting the valve stopped the leak.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Exit area maintaining team integrity.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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**PERFORMANCE RATING ON THIS SKILL:**

	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

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**Candidate's Signature:** \_\_\_\_\_

**PERFORMING DEFENSIVE CONTROL ACTIONS**

**Skill 13:** Demonstrate use of unmanned master stream (300 gpm or greater) for vapor suppression or dispersion. NFPA 470, 2022 edition, 7.4.1, 9.6.1, 8.6.4.2

**CONDITION:** Given a simulated spill, water supply, wearing full PPE as defined by the ERG, a master stream appliance, 100 ft. 2 1/2" hose, and 2-person team. PPE: Minimum Firefighter Turnouts, SCBA.  
\*PPE donned before skill begins.

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Approach upwind/upgrade of product.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Determine system is set up correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Demonstrate proper application techniques.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Do not direct stream directly into pool or spill.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Flow until directed to stop.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>PERFORMANCE RATING ON THIS SKILL:</b>	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_  
\_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_  
(Please Print)

**Evaluator #2:** \_\_\_\_\_  
(Please Print)

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**Candidate's Signature:** \_\_\_\_\_

**PERFORMING DEFENSIVE CONTROL ACTIONS**

**Skill 14:** Demonstrate the use of a hoseline to dilute or dispersion vapors on a hazardous materials spill. NFPA 470, 2022 edition, 7.4.1, 9.6.1, 8.6.4.2

**CONDITION:** Given a simulated spill, water supply, wearing full PPE as defined by the ERG, minimum 1 ¾" attack line, fire apparatus or water supply, 3-person team. PPE: Minimum Firefighter Turnouts, SCBA. \*PPE donned before skill begins.

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

	<b><u>1st. Att.</u></b>		<b><u>2nd Att.</u></b>	
	<b><u>Y</u></b>	<b><u>N</u></b>	<b><u>Y</u></b>	<b><u>N</u></b>
1. Extend attack line, open nozzle to bleed air.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Adjust stream and determine direction of water stream.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Demonstrate proper application techniques.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Use hose stream to direct product or vapors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Work upstream of product	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. <b>Two</b> personnel to operate hoseline, <b>one</b> person to act as safety	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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<b>PERFORMANCE RATING ON THIS SKILL:</b>		<b><u>PASS</u></b>	<b><u>FAIL</u></b>
	First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
	Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

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**Candidate's Signature:** \_\_\_\_\_

**PERFORMING DEFENSIVE CONTROL ACTIONS**

**Skill 15:** Demonstrate the proper application of fire fighting foam on a simulated hazardous materials spill of fire.  
NFPA 470, 2022 edition, 7.4.1, 9.6.1, 8.6.4.2

**CONDITION:** Given a simulated gasoline spill (36 sq. ft.), wearing full PPE as defined by the ERG, an established foam application system (apparatus or foam extinguisher), and a 2-member team.  
PPE: Minimum Firefighter Turnouts, SCBA.  
\*PPE donned before skill begins.

**APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:**

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Approach spill upwind and upgrade.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Demonstrate proper application techniques.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Select one of the three methods of foam application (roll on, bank, rain down).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Do not direct stream directly into pool.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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**PERFORMANCE RATING ON THIS SKILL:**

	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

**Notice to Evaluators:** Candidate must sign for **2nd attempt failures**. By this signature the candidate is notified that he/she has failed this skill and will be required to take a 3rd and final attempt, no sooner than 30 days from today's date. The 3rd attempt will consist of **this skill** plus **one additional skill** from this same area of the standard.

**Candidate's Signature:** \_\_\_\_\_



## PERFORMING DEFENSIVE CONTROL ACTIONS

**Skill 16:** Demonstrate construction of a dike to divert a spill.  
NFPA 470, 2022 edition, 7.4.1, 7.6.1, 9.6.1, 8.6.3.1

**CONDITION:** Given a simulated moving spill, wearing full PPE as defined by the ERG, sand or dirt, shovels, plastic, 3-person team. PPE: Minimum Firefighter Turnouts, SCBA.  
\*PPE donned before skill begins.

### APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Construct a dike 6 feet long and 6 inches high.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Work ahead of spill, out of product.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Two personnel build dike and one standby as safety.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Divert spill.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Evaluate if the dike was constructed appropriately and accomplishes the objective (must verbalize).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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### PERFORMANCE RATING ON THIS SKILL:

	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

**Notice to Evaluators:** Candidate must sign for **2nd attempt failures**. By this signature the candidate is notified that he/she has failed this skill and will be required to take a 3rd and final attempt, no sooner than 30 days from today's date. The 3rd attempt will consist of **this skill** plus **one additional skill** from this same area of the standard.

**Candidate's Signature:** \_\_\_\_\_

## PERFORMING DEFENSIVE CONTROL ACTIONS

**Skill 17:** Demonstrate construction of a simple dam to retain a spill.  
NFPA 470, 2022 edition, 7.4.1, 7.6.1, 9.6.1, 8.6.3.1

**CONDITION:** Given a simulated spill, wearing full PPE as defined by the ERG, sand or dirt, shovels, plastic, a 3-person team, PPE: Minimum Firefighter Turnouts, SCBA.  
\*PPE donned before skill begins.

### APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Construct a dam 6 feet long and 8-12 inches high.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Work ahead of spill, out of product.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Two personnel build dike and one standby as safety.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Control spill.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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### PERFORMANCE RATING ON THIS SKILL:

	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

**Notice to Evaluators:** Candidate must sign for **2nd attempt failures**. By this signature the candidate is notified that he/she has failed this skill and will be required to take a 3rd and final attempt, no sooner than 30 days from today's date. The 3rd attempt will consist of **this skill plus one additional skill** from this same area of the standard.

**Candidate's Signature:** \_\_\_\_\_

## PERFORMING DEFENSIVE CONTROL ACTIONS

**Skill 18:** Demonstrate the use of absorbent material to control a spill of a hazardous material. NFPA 470, 2022 edition, 7.4.1, 7.6.1, 9.6.1, 8.6.3.1

**CONDITION:** Given a simulated spill, wearing full PPE as defined by the ERG, an absorbent pad or other material, shovels, 3-person team. PPE: Minimum Firefighter Turnouts, SCBA.  
\*PPE donned before skill begins.

### APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Control or adsorb spill by putting absorbent pad/adsorbent materials in place.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Work ahead of spill, out of product.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Two personnel build a dike and one standby as safety.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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### PERFORMANCE RATING ON THIS SKILL:

	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluator Comments:** \_\_\_\_\_

**Evaluator #1:** \_\_\_\_\_

(Please Print)

**Evaluator #2:** \_\_\_\_\_

(Please Print)

**Notice to Evaluators:** Candidate must sign for **2nd attempt failures**. By this signature the candidate is notified that he/she has failed this skill and will be required to take a 3rd and final attempt, no sooner than 30 days from today's date. The 3rd attempt will consist of **this skill** plus **one additional skill** from this same area of the standard.

**Candidate's Signature:** \_\_\_\_\_