



Nevada Fire Service Certification System

Hazardous Material Operations Candidate Manipulative Skills Manual

Fire & Hazardous Material Training & Certification Bureau
February 2007
Revised November 2010



OPERATIONS MANIPULATIVE SKILL OBJECTIVES

DECONTAMINATION

1. Demonstrate Emergency Decontamination of a victim using water.

REFERENCE: NFPA 472, 5.1.2.2(3), 5.3.4, 2008 Edition

CONDITION: Given water supply, hose/nozzles, 2-firefighter team. Victim to be decontaminated are to be dressed in fighter turnouts or street clothing. Firefighter PPE and SCBA.
*PPE donned before skill begins.

COMPETENCE:

- Select appropriate site to minimize runoff contamination.
- Responder directs victim on procedures.
- Rinse personnel starting from the head, working towards the feet.
- Victim being decon removes contaminated clothing as much as possible.
- As necessary, decon team member's touch outside of clothing being removed to avoid cross contamination.
- Victim places contaminated articles in one designated area within contamination zone.
- Victim given protective clothing.
- Victim directed to exit area for further evaluation

2. Demonstrate the setting up of a multiple station decontamination corridor.

REFERENCE: NFPA 472, 6.2.4.1(3)(4), 6.6.4.2, 2008 Edition

CONDITION: Given equipment as determined by incident and qualified hazmat technician, 2-member team.

COMPETENCE:

- Select appropriate site, up wind of incident, drainage towards "hot" zone.
- Clearly marked entry point.
- Tool drop.
- Confinement of decon solutions and runoff water.
- Wash station, (may be multiple).
- Rinse station, (may be multiple).
- SCBA drop/Bottle change.
- PPE drop station(s).
- Clearly marked exit point.

3. Demonstrate decontamination of emergency responder.

REFERENCE: NFPA 472, 6.2.4.1(3)(4), 6.6.4.2, 2008 Edition

CONDITION: Given a decon corridor, water supply, hose/nozzles, 2-member team, a responder dressed in appropriate level of protection to be decontaminated. At the minimum, Firefighter PPE and SCBA for a person performing decontamination shall be worn.

COMPETENCE:

- Direct responder to enter entry point.
- Direct responder to drop tools in designated area.
- Direct responder to enter wash station.
- Rinse personnel starting from the head.
- Decon personnel control run-off of wash station.
- Direct responder to drop SCBA in designated area.
- Decon team member's touch outside of clothing being removed to avoid contaminating responders.
- Remove contaminated PPE or clothing.
- Place contaminated articles in one designated area within corridor.
- Direct responder to exit designated point.

PERSONAL PROTECTIVE EQUIPMENT

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

REFERENCE: NFPA 472, 6.2.4.1(3), 2008 Edition

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, exhalation valve, and head harness

5. Demonstrate donning Self-Contained Breathing Apparatus (SCBA).

REFERENCE: NFPA 472, 6.2.4.1(3), 2008 Edition

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

COMPETENCE:

- Crouch or kneel at SCBA.
- Check SCBA cylinder pressure gauge for full level.
- Open cylinder valve fully, verbalize pressure.
- Check regulator and cylinder gauge - gauges should read within 100 psi of each other.
- Don backpack and fasten/tighten all straps.
- Don face piece, adjust head harness.
- Check seal, positive/negative pressure check.
- Don hood over head.
- Don helmet and tighten chin strap (helmet ear flaps down)
- Attach supply hose to regulator **or** face piece.
- Turn on PASS device if needed.
- Don Gloves
- Doff SCBA and place back in service.

Steps may vary between various manufactures; however all of the above should be covered during the donning process.

6. Demonstrate doffing Self-Contained Breathing Apparatus (SCBA).

REFERENCE: NFPA 472, 6.2.4.1(3), 2008 Edition

CONDITION: Given 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.

7. Assist/Don emergency response personnel in donning hooded chemical splash protective clothing and SCBA.

REFERENCE: NFPA 472, 6.2.4.1(3), 2008 Edition

CONDITION: Given a hooded splash suit, boots, gloves, duct tape, helmet, SCBA, 2-member team, **one person donning** and **one assisting**.

COMPETENCE: **Skills for person donning splash 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 donning hooded splash suit.
- Assist donning boots.
- Correctly tape suit to boots
- Completely tape hood of PPE to SCBA face piece, do not cover field of vision on face piece.
- Assist donning SCBA.
- Tape front closure area and neck area.
- Assist donning inner gloves.
- Assist donning outer gloves.
- Connect low pressure hose to SCBA regulator.
- Tab all ends of tape (2" minimum).

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

REFERENCE: NFPA 472, 6.2.4.1(3), 2008 Edition

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

9. Demonstrate stopping product release by closing remote valves.

REFERENCE: NFPA 472, 6.2.4.1(3), 6.6.4.1(3)(h), 2008 Edition

CONDITION: Given a simulated spill from a tank, remote valve, and 2-firefighter team.
PPE: Minimum Firefighter Turnouts, SCBA.
*PPE donned before skill begins.

COMPETENCE:

- Confirm location of remote valve.
- Approach valve location staying out of product.
- Open or close valve.
- Exit area maintaining team integrity.

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

REFERENCE: NFPA 472, 6.2.4.1(3), 6.6.4.1(3)(i)(j), 2008 Edition

CONDITION: Given a simulated spill, water supply, appliance, 100 ft. 2 1/2" hose, and 2-person team.
PPE: Minimum Firefighter Turnouts, SCBA.
*PPE donned before skill begins.

COMPETENCE:

- Determine system is set up correctly.
- Signal for water.
- Adjust stream of appliance.
- Flow until evaluator is satisfied.

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

REFERENCE: NFPA 472, 6.2.4.1(3), 6.6.4.1(3)(e)(i), 2008 Edition

CONDITION: Given a simulated spill, minimum 1 3/4" attack line, fire apparatus or water supply, 3-person team.
PPE: Minimum Firefighter Turnouts, SCBA.
*PPE donned before skill begins.

COMPETENCE:

- Extend hoseline, open nozzle to bleed air.
- Determine direction of water stream.
- Use hose stream to direct product or vapors
- Work upstream of product
- **Two** personnel to operate hoseline, **one** person to act as safety

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

REFERENCE: NFPA 472, 6.2.4.1(3), 6.6.4.1(1), 6.6.4.1(3)(j), 2008 Edition

CONDITION: Given a simulated spill (36 sq. ft.), foam application system (apparatus or foam extinguisher),
PPE: Minimum Firefighter Turnouts, SCBA.
*PPE donned before skill begins.

COMPETENCE:

- Approach spill upwind/upgrade
- Demonstrate proper application techniques.
- Do not direct stream directly into pool.
- Deflect foam off solid surface or “rain” onto surface.

13. Construct a dike to divert a spill.

REFERENCE: NFPA 472, 6.2.4.1(3), 6.6.4.1(3)(d)(f), 2008 Edition

CONDITION: Given a simulated moving spill, 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 6 inches high.
- Work ahead of spill, out of product.
- Two personnel build dike and one standby as safety.
- Divert spill.

14. Construct a simple dam to retain a spill.

REFERENCE: NFPA 472, 6.2.4.1(3), 6.6.4.1(3)(c)(g), 2008 Edition

CONDITION: Given a simulated spill, sand or dirt, shovels, plastic, 3-person team,
PPE: Minimum Firefighter Turnouts, SCBA.
*PPE donned before skill begins.

COMPETENCE:

- Construct a dam 6 ft. long, 8-12 inches high..
- Work ahead of spill out of product.
- **Two** personnel to build dam and **one** member to standby as safety.
- Retain spill.

15. Demonstrate the use of absorbent/adsorption material to control a spill of a hazardous material.

REFERENCE: NFPA 472, 6.2.4.1(3), 6.6.4.1(3)(a)(b), 2008 Edition

CONDITION: Given a simulated spill, absorbent pad or other material, shovels, 3-person team.

PPE: Minimum Firefighter Turnouts, SCBA.

*PPE donned before skill begins.

COMPETENCE:

- Retain spill by putting absorbent materials in place.
- Work ahead of spill out of product.
- **Two** personnel to build a dike and **one** member to standby as safety.

DECONTAMINATION

Skill 1: Demonstrate "Emergency" decontamination of a victim using water.

CONDITION: Given water supply, hose/nozzles, 2-firefighter team. Victim to be decontaminated are to be dressed in fighter turnouts or street clothing.
Firefighter PPE and 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. 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. Victim being decon removes 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. Victim places contaminated articles in one designated area within contamination zone.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Victim given protective clothing.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Victim directed to exit area for further evaluation.	<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)

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 2: Demonstrate the setting up of a multiple station decontamination corridor.

CONDITION: Given equipment as determined by incident and qualified hazmat technician, 2-firefighter team.

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, up wind 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. Tool drop.	<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. Wash station, (may be multiple).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. 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. PPE drop station(s)	<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"/>

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: _____

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Candidate's Signature: _____

DECONTAMINATION

Skill 3: Demonstrate decontamination of emergency responder.

CONDITION: Given a decon corridor, water supply, hose/nozzles, 2-member team and a responder dressed in appropriate level of protection to be decontaminated. At the minimum, Firefighter PPE and SCBA for a person performing decontamination shall be worn.

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. Direct responder to enter entry point.	<input type="checkbox"/>	<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"/>	<input type="checkbox"/>
3. Direct responder to enter wash station.	<input type="checkbox"/>	<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"/>	<input type="checkbox"/>
5. Decon personnel control run off of wash station.	<input type="checkbox"/>	<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"/>	<input type="checkbox"/>
7. Decon team member's touch outside of clothing being removed to avoid contamination responders.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Remove contaminated PPE or clothing.	<input type="checkbox"/>	<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"/>	<input type="checkbox"/>
10. Direct responder to exit designated point.	<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: _____

PERSONAL PROTECTIVE EQUIPMENT

Skill 4: Identify and describe the function of each component of the Self Contained Breathing Apparatus (SCBA).

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"/>

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 5: Demonstrate donning Self Contained Breathing Apparatus (SCBA).

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. Crouch or kneel at SCBA.	<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. Turn on PASS device if needed.	<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"/>

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 6: Demonstrate doffing Self Contained Breathing Apparatus (SCBA).

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>	
	Y	N	Y	N
1. Disconnect regulator from facepiece or low pressure hose from regulator.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>

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: _____

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Candidate's Signature: _____

PERSONAL PROTECTIVE EQUIPMENT

Skill 7: Assist/Don emergency response personnel in donning hooded chemical splash protective clothing and SCBA.

CONDITION: Given a hooded splash suit, boots, gloves, duct tape, helmet, SCBA, 2-member team: **one person donning** and **one assisting**.

APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:

	<u>1st. Att.</u>		<u>2nd Att.</u>	
SKILLS FOR PERSON DONNING SPLASH SUIT:	Y	N	Y	N
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"/>
SKILLS FOR PERSON ASSISTING IN DONNING OF SPLASH SUIT:				
1. Assist donning hooded splash suit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Assist donning boots.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Correctly tape suit to boots.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. 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"/>
5. Assist donning SCBA.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Tape front closure area and neck area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Assist donning inner gloves.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8 Assist donning outer gloves.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Connect low pressure hose to SCBA regulator.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Tap all ends of tape (2" minimum).	<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: _____

PERSONAL PROTECTIVE EQUIPMENT

Skill 8: Demonstrate Donning (and Doffing) Firefighter Turnout Gear/PPE.

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"/>

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 require 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 9: Demonstrate stopping product release by closing remote valves.

CONDITION: Given a simulated spill from a tank, remote valve, and 2-firefighter 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. 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. Exit area maintaining team integrity.	<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: _____

PERFORMING DEFENSIVE CONTROL ACTIONS

Skill 10: Demonstrate use of unmanned master stream (300 gpm or greater) for vapor suppression or dispersion.

CONDITION: Given a simulated spill, water supply, 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. Determine system is set up correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signal for water.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Adjust stream of appliance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Flow until evaluator is satisfied.	<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: _____

PERFORMING DEFENSIVE CONTROL ACTIONS

Skill 11: Demonstrate the use of a hoseline to dilute or dispersion vapors on a hazardous materials spill.

CONDITION: Given a simulated spill, minimum 1 3/4" 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:

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Extend hoseline, open nozzle to bleed air.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Determine direction of water stream.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Use hose stream to direct product or vapors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Work upstream of product	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Two personnel to operate hoseline, one person to act as safety	<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: _____

PERFORMING DEFENSIVE CONTROL ACTIONS

Skill 12: Demonstrate the proper application of fire fighting foam on a simulated hazardous materials spill of fire.

CONDITION: Given a simulated spill (36 sq. ft.), foam application system (apparatus or foam extinguisher).
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. Do not direct stream directly into pool.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Deflect foam off solid surface or "rain" onto surface.	<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: _____

PERFORMING DEFENSIVE CONTROL ACTIONS

Skill 13: Demonstrate construction of a dike to divert a spill.

CONDITION: Given a simulated moving spill, sand or dirt, shovels, plastic, 3-firefighter 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"/>

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 14: Demonstrate construction of a simple dam to retain a spill.

CONDITION: Given a simulated spill, sand or dirt, shovels, plastic, 3-firefighter 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. Retain spill.	<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: _____

PERFORMING DEFENSIVE CONTROL ACTIONS

Skill 15: Demonstrate the use of absorbent material to control a spill of a hazardous material.

CONDITION: Given a simulated spill, absorbent pad or other material, shovels, plastic, 3-firefighter 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. Retain spill by putting absorbent 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"/>

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: _____