



GEORGIA FIREFIGHTER STANDARDS AND TRAINING
HAZARDOUS MATERIAL TECHNICIAN



MONITORING EQUIPMENT (Radiation Meter)

Skill Number HAZT 1-1

Objective: 6.1.2.2 (1) A, 6.2.1.3 (C)(D)(E) 6 (F), 6.2.1.4, 6.4.2

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with a radiation meter.
2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate shall demonstrate the field maintenance and testing procedures for a radiation meter with 100% accuracy.”

1. Use appropriate PPE/CPE.
2. Check the batteries.
3. Check gauges for proper operation.
4. Obtain a baseline reading.
5. Check and calibrate as needed.

Candidate must complete 5 steps to pass objective.

SAFETY IS PARAMOUNT!

Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.



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MONITORING EQUIPMENT (pH Paper)

Skill Number HAZT 1-2

Objective: 6.2.1.3 (D) 7, (E) 5, 6.2.2 (B) 31

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with pH paper and a scale sheet.
2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate shall demonstrate the field maintenance and testing procedures for a pH paper with 100% accuracy.”

1. Use appropriate PPE/CPE.
2. Check that the pH paper has not been contaminated.
3. Check for correct coloring.
4. Check for scale sheet.
5. Use the sheet to read the strip.

Candidate must complete 5 steps to pass objective.

SAFETY IS PARAMOUNT!

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MONITORING EQUIPMENT (Combustible Gas Indicator/Oxygen Meter)

Skill Number HAZT 1-3

Objective: 6.2.1.3 (D) 3,(E) 3,4 , 6.2.2 (A) 3

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with a combustible gas indicator/oxygen meter.
2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate shall demonstrate the field maintenance and testing procedures for colorimetric tubes with 100% accuracy.”

1. Use appropriate PPE/CPE.
2. Check the batteries.
3. Check the O₂ sensor for correct operations.
4. Obtain a baseline O₂ reading.
5. Check and calibrate CGI as needed.

Candidate must complete 5 steps to pass objective.

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MONITORING EQUIPMENT (Colorimetric Tubes)

Skill Number HAZT 1-4

Objective: 6.2.1.3 (D) 2,(E) 2, 6.2.2 (A) 3

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with colorimetric tubes.
2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate shall demonstrate the field maintenance and testing procedures for colorimetric tubes with 100% accuracy.”

1. Use appropriate PPE/CPE.
2. Check the date on the colorimetric tube container.
3. Check the tubes for various cracks or damage.

Candidate must complete 3 steps to pass objective.

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MONITORING EQUIPMENT (Liquid)

Skill Number HAZT 2-1

Objective: 6.2.1.3 (A) (D)1, 6.2.2 (B) 40

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with a liquid and a collection tube and jar.
2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate given a liquid shall demonstrate a method for collecting a sample.”

1. *Coordinate with Incident Command or Operations.*
2. * Choose the appropriate PPE/CPE.
3. * Identify the properties of the liquid (heavier, lighter, sublimate).
4. * Use collection tube or bulb to collect liquid.
5. * Place the sample in a jar.

**Critical Step -* Failure on this step mandates a failure on the entire objective.
Candidate must complete 4 steps to pass objective.**

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MONITORING EQUIPMENT (Solid)

Skill Number HAZT 2-2

Objective: 6.2.1.3 (A) , 6.2.2 (A)3, (B)40

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with a solid and a scooper or eye dropper and jar.
2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate given a solid shall demonstrate a method for collecting a sample.”

1. *Coordinate with Incident Command or Operations.*
2. * Choose the appropriate PPE/CPE.
3. * Identify the properties of the solid (pyrophoric, oxidizer).
4. * Use scooper or eye dropper to collect the sample (non sparking tools)
5. * Place the sample in a jar.

**Critical Step -* Failure on this step mandates a failure on the entire objective.
Candidate must complete 4 steps to pass objective.**

SAFETY IS PARAMOUNT!

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MONITORING EQUIPMENT (Gas)

Skill Number HAZT 2-3

Objective: 6.2.1.3 (B)(D) 2 , 6.2.2 (A)3, (B)(32)(43)

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with colorimetric tubes and pump.
2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate given a gas shall demonstrate a method for collecting a sample.”

1. *Coordinate with Incident Command or Operations.*
2. * Choose the appropriate PPE/CPE.
3. * Identify the properties of the gas (heavier, lighter or equal to air).
4. * By use of colorimetric tubes and pump, choose the correct method for collection of the given gas.

**Critical Step -* Failure on this step mandates a failure on the entire objective.
Candidate must complete 3 steps to pass objective.**

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Prevent or prohibit any unsafe acts.
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GEORGIA FIREFIGHTER STANDARDS AND TRAINING
HAZARDOUS MATERIAL TECHNICIAN



CONTAIN AND CONTROL (Bung Leak)

Skill Number HAZT 4-1

Objective: 6.4.3 (3) a

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with a 55 gallon drum and appropriate tools.
2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate given a 55 gallon drum and the appropriate tools shall demonstrate the ability to contain a bung leak.”

1. *Coordinate with Incident Command or Operations.*
2. * Identify the product using three (3) resources.
3. * Select the appropriate monitoring equipment and monitor for the identified product.
4. * Use appropriate PPE/CPE.
5. * Approach uphill/upwind.
6. *Use confinement/containment procedures for the product.*
7. * Use appropriate tool (sparking/non sparking)
8. * Tighten bung in a clockwise direction.

**Critical Step -* Failure on this step mandates a failure on the entire objective.
Candidate must complete 7 steps to pass objective.**

SAFETY IS PARAMOUNT!

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GEORGIA FIREFIGHTER STANDARDS AND TRAINING
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CONTAIN AND CONTROL (Chime Leak)

Skill Number HAZT 4-2

Objective: 6.4.3 (3) b

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with a 55 gallon drum and appropriate tools.
2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate given a 55 gallon drum and the appropriate tools shall demonstrate the ability to contain a chime leak.”

1. *Coordinate with Incident Command or Operations.*
2. * Identify the product using three (3) resources.
3. * Select the appropriate monitoring equipment and monitor for the identified product.
4. * Use appropriate PPE/CPE.
5. * Approach uphill/upwind.
6. *Use confinement/containment procedures for the product.*
7. * Use the appropriate epoxy.
8. * Confine product to the container at the best of the candidate’s ability with epoxy around the leak at the chime.

**Critical Step - * Failure on this step mandates a failure on the entire objective.
Candidate must complete 7 steps to pass objective.**

SAFETY IS PARAMOUNT!

Prevent or prohibit any unsafe acts.
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GEORGIA FIREFIGHTER STANDARDS AND TRAINING
HAZARDOUS MATERIAL TECHNICIAN



CONTAIN AND CONTROL (Fork Lift Puncture Leak)

Skill Number HAZT 4-3

Objective: 6.4.3 (3) c

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with a 55 gallon drum and appropriate tools.
2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate given a 55 gallon drum and the appropriate tools shall demonstrate the ability to contain a fork lift puncture leak.”

1. *Coordinate with Incident Command or Operations.*
2. * Identify the product using three (3) resources.
3. * Select the appropriate monitoring equipment and monitor for the identified product.
4. * Use appropriate PPE/CPE.
5. * Approach uphill/upwind.
6. *Use confinement/containment procedures for the product.*
7. * Use the appropriate tools (sparking/non sparking).
8. *Remove all paint from around the hole with a wire brush.*
9. * Use the appropriate sized wooden plug in the hole to stop the leak.
10. * Lightly drive the plug into the hole to stop the leak.

**Critical Step -* Failure on this step mandates a failure on the entire objective.
Candidate must complete 8 steps to pass objective.**

SAFETY IS PARAMOUNT!

Prevent or prohibit any unsafe acts.

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GEORGIA FIREFIGHTER STANDARDS AND TRAINING
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CONTAIN AND CONTROL (Nail Puncture Leak)

Skill Number HAZT 4-4

Objective: 6.4.3 (3) d

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with a 55 gallon drum and appropriate tools.
2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate given a 55 gallon drum and the appropriate tools shall demonstrate the ability to contain a nail puncture leak.”

1. *Coordinate with Incident Command or Operations.*
2. * Identify the product using three (3) resources.
3. * Select the appropriate monitoring equipment and monitor for the identified product.
4. * Use appropriate PPE/CPE.
5. * Approach uphill/upwind.
6. *Use confinement/containment procedures for the product.*
7. * Use the appropriate tools (sparking/non sparking).
8. *Remove all paint from around the hole with a wire brush.*
9. * Use the appropriate sized wooden plug in the hole to stop the leak.
10. * Lightly drive the plug into the hole to stop the leak.

**Critical Step -* Failure on this step mandates a failure on the entire objective.
Candidate must complete 8 steps to pass objective.**

SAFETY IS PARAMOUNT!

Prevent or prohibit any unsafe acts.
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GEORGIA FIREFIGHTER STANDARDS AND TRAINING

HAZARDOUS MATERIAL TECHNICIAN



CONTAIN AND CONTROL (Overpack Rolling Slide In Method)

Skill Number HAZT 5-1

Objective: 6.4.3 (4) a

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with a 55 gallon drum, overpack and appropriate tools.
2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate given a 55 gallon drum and an overpack drum shall demonstrate the ability to place the 55 gallon drum into the overpack using the rolling slide in method.”

1. *Coordinate with Incident Command or Operations.*
2. * Identify the product using three (3) resources.
3. * Select the appropriate monitoring equipment and monitor for the identified product.
4. * Use appropriate PPE/CPE.
5. * Approach uphill/upwind.
6. * Remove the lid of the overpack and set it aside.
7. * Place the overpack drum in a “V” shape next to the drum to be overpacked.
8. *Place the drum in a way that the bungs will be facing the top of the overpack when uprighted.*
9. * With two (2) people, start rolling the drums so the smaller drum rolls inside the overpack drum..
10. * When the drum is $\frac{3}{4}$ of the way inside the overpack, push it all the way in.
11. *Upright the overpack, place the lid on top and tighten it.*

Critical Step -* Failure on this step mandates a failure on the entire objective.
Candidate must complete 9 steps to pass objective.

SAFETY IS PARAMOUNT!

Prevent or prohibit any unsafe acts.

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GEORGIA FIREFIGHTER STANDARDS AND TRAINING

HAZARDOUS MATERIAL TECHNICIAN



CONTAIN AND CONTROL (Overpack Slide In Method)

Skill Number HAZT 5-2

Objective: 6.4.3 (4) b

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with a 55 gallon drum, overpack and appropriate tools.
2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate given a 55 gallon drum and an overpack drum shall demonstrate the ability to place the 55 gallon drum into the overpack using the slide in method.”

1. *Coordinate with Incident Command or Operations.*
2. * Identify the product using three (3) resources.
3. * Select the appropriate monitoring equipment and monitor for the identified product.
4. * Use appropriate PPE/CPE.
5. * Approach uphill/upwind.
6. *Remove the lid of the overpack and set it aside.*
7. *Place the overpack with the opening close to the bottom of the drum to be overpacked.*
8. * Place the drum in a way that the bungs will be facing the top of the overpack when uprighted.
9. *Lift up on the smaller drum and start it into the overpack.*
10. * Lifting and sliding at the same time, slide the drum all the way into the overpack.
11. *Upright the overpack, place the lid on top and tighten it.

Critical Step -* Failure on this step mandates a failure on the entire objective.
Candidate must complete 8 steps to pass objective.

SAFETY IS PARAMOUNT!

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GEORGIA FIREFIGHTER STANDARDS AND TRAINING
HAZARDOUS MATERIAL TECHNICIAN



CONTAIN AND CONTROL (Overpack Slip Over Method)

Skill Number HAZT 5-3

Objective: 6.4.3 (4) c

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with a 55 gallon drum, overpack and appropriate tools.
2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate given a 55 gallon drum and an overpack drum shall demonstrate the ability to place the 55 gallon drum into the overpack using the slip over method.”

1. *Coordinate with Incident Command or Operations.*
2. * Identify the product using three (3) resources.
3. * Select the appropriate monitoring equipment and monitor for the identified product.
4. * Use appropriate PPE/CPE.
5. * Approach uphill/upwind.
6. *Remove the lid of the overpack and set it aside.*
7. *Place the drum to be overpacked on top of the lid with the drum opening down.*
8. * Lift and place the overpack over the drum.
9. * Tighten the overpack by screwing the overpack and the lid together.
10. * Upright the overpack.

**Critical Step - * Failure on this step mandates a failure on the entire objective.
Candidate must complete 9 steps to pass objective.**

SAFETY IS PARAMOUNT!

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GEORGIA FIREFIGHTER STANDARDS AND TRAINING
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CONTAIN AND CONTROL (Install the Clamp On The Dome)

Skill Number HAZT 6-1

Objective: 6.4.3 (8)

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall be provided with a MC306/DOT406 cargo tank.
2. Dome clamp, rope, appropriate tools.
3. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate given a MC306/DOT406 cargo tank and a dome cover clamp shall demonstrate the ability to install the clamp on the dome.”

1. *Coordinate with Incident Command or Operations.*
2. * Identify the product using three (3) resources.
3. * Select the appropriate monitoring equipment and monitor for the identified product.
4. * Use appropriate PPE/CPE.
5. * Approach uphill/upwind.
6. * Approach without coming into contact with the product.
7. * Ensure no ignition sources are around.
8. * Climb the tank, lower the rope and hoist needed tools after determining need..
9. * Apply the dome clamp so that it is hooked to one side and placed over the dome and locked into place..

**Critical Step - * Failure on this step mandates a failure on the entire objective.
Candidate must complete 8 steps to pass objective.**

SAFETY IS PARAMOUNT!

Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.