Operations Challenge Safety Event 2011

Situation:

While a facility crew is working, one of the workers collapses inside a manhole. The coworker is found at the bottom of a (confined space) lift station unconscious. It is suspected that he/she has been overcome with an unknown gas or lack of oxygen. The in-plant rescue team is immediately called to the scene.

As soon as the team arrives, another person has a heart attack **(when the stop-watch starts)** a separate rescue effort **begins immediately.** The heart attack victim (#2) is unconscious, the designated first responder **calls 911 emergency services immediately** and directly after, the rescuer begins rendering aid to the heart attack victim (as per step #12). Once the rescuer has completed step #12 (a. through o.), the rescuer will place his/her lock and tag on the gang hasp. At this point the rescuer may assist the rest of the team.

Directions:

Four-minute equipment check: The team will be allowed onto the platform to check all competition equipment and supplies for four minutes prior to the actual start of the event. Part of the four minute check will include pre-adjusting harnesses including the victims harness. The head judge will inform the team captain when the four minutes are completed. At this *time all team members must immediately move to their starting area. If all equipment problems have not* been resolved by this time, they will be addressed with the team in starting position. A delay at this point is cause for a penalty. Judges will not answer team questions during the four-minute inspection time or during the event. All questions will be answered on Monday during the pre-competition meeting. This is done to assure all teams receive the same instructions. **No equipment can be pre-assembled prior to the start. If anything has been pre-assembled, the head judge will instruct the team to disassemble the equipment prior to starting. If there is still pre-time left, then no penalty will be assessed; however, if the four-minutes have been used up, a penalty for excessive pre-check will be assessed. All equipment must be placed back behind the line in the equipment storage area at the end of the four-minute equipment check.**
The team captain will notify the head judge as to which team member is the designated attendant for the initial lockout tag out. All printed and signed names of the entrant and qualified person may be made on the permit at this time; names must be legible. **Fill out the lockout tag** To avoid subjectivity, the judges will verify legible handwriting at this time. The power for the gas detector and blower will be left in the off position. The designated heart attack victim rescuer will be given a choice of L or XL latex gloves during the four minute check. The gloves can be placed in the pocket but must be behind the designated line.

At the end of the four-minute time all team members must immediately move to the starting area, i.e., starting or ending in the decontamination area:

1) Team members will start behind the designated starting line
2) The team captain will start the event by yelling, "Start"
3) One team member will immediately proceed to call 911 and rescue the heart attack victim. ***This team member cannot assist in any other part of the event until step 12 (a-o) is complete. After step 12 (a-o) is completed, their lock and tag will be placed on the gang hasp.***
4) The entry person will put on full body harnesses.
5) One team member will turn on the detector and test the manhole atmosphere for 30 seconds using a gas detector and provided stopwatch.
    a. Attach hose to bottom of pump.
    b. Press and ***HOLD*** the right button until **"RELEASE"** appears on screen
    c. Verbalize **"GAS METER ON"**
    d. Allow unit to finish power on self test
    e. When screen reads **"Block Pump"** use your thumb to block the end of hose and verbalize **"BLOCKING PUMP"**.
    f. When screen reads "**Clear Pump"** release the hose and verbalize **"PUMP CLEAR"**
    g. Insert the hose into the confined space, making sure that the hose is inserted to a point between the two black marks.

h. Begin monitoring the space for 30 seconds.
i. At the end of 30 seconds, record gas readings on your form and verbalize "**GAS READINGS GOOD"**
j. Remove the hose from the unit.
k. Attach gas monitor to entrant. Unit must be attached to either the entrant's harness or another area outside the entrant's uniform. ***THE MONITOR CANNOT BE PLACED IN A POCKET OR INSIDE THE SHIRT.***
l. At the conclusion of the event, the gas monitor should still be attached to the entrant and left in the ***ON*** position.

6) One team member will place the electrical safety switch in the off or disconnected position.
7) The Designated Attendant will be the first person to lockout the disconnect switch by using the gang hasp and **their red colored lock** and tag. Each additional team member will place their lock and tag on the gang hasp. *Note: No one will enter the manhole until the three locks for the team members that are conducting the confined space rescue are locked and tagged on the hasp. The heart attack rescuer must place their lock and tag on the hasp after steps (a. through o.) in section #12 have been complete.* At the end of the event the disconnect will remain locked and tagged out, each team member will maintain custody of their key and have it at the end of the event to turn into the head judge.
8) The qualified person will fill out the confined space entry permit. The only entries required on the permit during the timed event are acceptable (safe entry levels) readings for oxygen, combustible gas and hydrogen sulfide.
9) The Safe Approach Davit Arm will be assembled and leveled meaning all four wheels must be off the floor or not touching the floor so the unit is stable. All pins must be in place and the unit leveled before entrant is attached to the Davit arm wench and SRL. Then move the Davit Arm over the manhole. The entry person with the safety harness on will be attached to the fall protection device (SRL). This must be done before the manhole safety cover is removed.
10) Remove the manhole safety cover.
11) Install the blower saddle vent into the manhole; attach the 90-degree fitting to the saddle. Place the blower 5-ft from the manhole and attach the blower hose to the 90-degree fitting. Turn the blower on.
12) The fourth person (designated heart attack rescuer) will **immediately** find that a co-worker has collapsed from a heart attack and is unconscious. This person will call 911 emergency services. The mechanics gloves will be taken off and replaced with disposable latex gloves. The airway Breathing and Circulation will be assessed first (A.B.C.). The victims pulse will be checked for 10 seconds. The AED Trainer unit will be used to start the victim's (half CPR mannequin) heart, The AED will prompt "Begin CPR" that is when the 60 compressions will be administered (count out each compression 1-30 two times) after the two sets of 30 compressions (60 total), emergency services will be assumed to arrive, then the AED is to be restored in the same condition as it was when started. The AED will be left next to the mannequin.

Disclaimer these procedures were developed and written for the Operations Challenge Safety Event only. Please see your local American Heart Association and Red Cross for the exact CPR and AED national protocol or the protocol for your local area. We are not giving breaths at this time for sanitary reasons.*

a. Using the phone, the designated heart attack victim rescuer will dial 911, and yell out 911 emergency services has been called.
b. Mechanics gloves will be removed and disposable latex glove will be used
c. Tilt head for airway, check victim for breathing (5 seconds counted out while looking at chest to see rise and fall or not) and a pulse (place two fingers over carotid artery, 10 seconds counted out, none will be found)
d. After the pulse is checked, The AED (trainer) cover with be opened up
e. The electrodes will be plugged in and the two paddles be placed properly on the victim
f. The remote will be plugged into both the AED and Remote
g. Using the on/off button turn the AED unit on.

h. Once the unit prompts “Connect Electrodes”
i. Using the remote-press the paddle button or the top right button on the remote
j. The rescuer will administer the AED using the prompts from the AED unit
k. One simulated shock will be given from the AED Trainer
l. After the one shock is administered (it will prompt for CPR to begin),
m. Give the victim 60 compressions (2 sets of thirty), while giving the compressions count out 1- 30, *note: each compression must be deep enough to create the click noise in the mannequin.
n. After the 60 compressions, it will be assumed the victim has recovered and emergency services have arrived. *(We will also assume that the emergency personnel with have their own AED unit with paddles, in real life the paddles would stay on the victim)*.
o. Turn the AED unit off. Disconnect the paddles, place plastic cover back over the paddles and put the paddles back into the storage pouch. Put the storage pouch back into the cover of the AED unit. Close lid and shut snaps. Disconnect the remote and wind the cord up neatly, use the wire tie to keep the remote cord wound up. The AED will be stored next to the victim hind the designated line. See pictures.
p. After the AED is put away and the initial regulation gloves have been put back on the rescuer, he/she will place lock and tag on gang hasp. *Note* the rescuer must place their lock and tag on the hasp before assisting in any other part of the event.*

13) Entrant will be lowered into the manhole on the work seat with the Safe Approach winch. **The work seat will be raised to a height <u>above</u> the platform floor before the entrant can get on or off the work seat.**
14) When the entry person enters the manhole a third team member will continually monitor the fall protection lines until entry person are out of the manhole.
15) The entry person will put a full body harness on the victim. After the full body harness is on the victim and properly adjusted, the victim will be raised gently out of the manhole while the entrant will assist in guiding the victim from below. No lifting the victim from below.
16) The work seat is removed from the winch hook. Do not drop the work seat.
17) The winch hook is connected to the center “D” ring on the victim’s harness.
18) Another team member will lift the victim using the winch.
19) Two team members will carry the victim to the chair in the designated area and begin the decontamination process. Do not drag the victim; all body parts must be off the ground (floor of the platform) while moving the victim to the chair. Activate the shower by pulling the shower handle to its furthest position downward. The body harness will remain on the victim.
20) The team member tending the fall protection system will assist in bringing up the entrant with the use of the work seat and the Sala lift winch. The work seat must be lowered using the winch on the davit arm.
21) Team members will disassemble and store all equipment **behind the line in the equipment storage area.** The Davit Arm must be fully disassembled; **<u>do not place the pins back into holes.</u> The winch cable must be within the length of the weight and hook.** The full body harness will remain on the entry person. Time will end when all team members cross the finish line and the team captain raises his/her hands above their heads and shouts “Stop.”
22) All team members will stay in the start/finish area until released by the judges. Judges will collect the entry permit, stopwatch, harness, gas detector and lockout keys. Once the team as been released they will leave the competition area. The captain will be escorted to a waiting area for review of the event with the head judge.

Safety

The manhole opening will be protected with a safety cover before a team accesses the platform. It must not be removed until the Davit Arm is fully assembled and in placed over the manhole. The entrant is completely and properly in the harness and attached to the SRL that are fully attached to the Davit Arm. The cover must be reinstalled on the manhole opening as soon as the entrant has been removed from the manhole and before the Davit Arm is removed from the manhole opening.

Atmosphere Tester

Turn the meter on first; follow the procedures outlined in Step 5 (a-l). With one end of the hose attached to the meter place the other end of the hose into the manhole. **There will be two marks on the hose.**

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One should be through the manhole (under the platform floor), with the other mark above the manhole rim (above the platform floor). Once in this position the 30-second test will begin. The team member using the meter must remain with the meter and keep track of their time. Once the initial test is completed remove the hose from the manhole and from the meter. The gas meter must enter the manhole with the entrant. It must remain in the confined space until the entrant is removed from the manhole. **A stopwatch will be provided to each team; this is for the team to time the 30-second atmosphere test.**

Blower Placement

The blower must be placed 5 ft from the rim of the manhole prior to entry. There will be a square drawn around the perimeter of the manhole to allow the teams to correctly locate the blower. The blower may be placed at any point, outside the square the team wishes. The blower power cord will not be plugged in, but the switch **must be turned on and left on**.

Permit

The only entries required on the permit during the event are acceptable readings for oxygen, combustible gas and hydrogen sulfide. These three entries must be made after the 30 second test and before anyone breaks the plane of the manhole. Do not wait for the readings on the gas meter. Any acceptable reading (considered safe for entry by OSHA) may be entered on the permit after the 30-second test. Readings will be written to the tenth. Example oxygen of 20 PPM will be written 20.0 PPM .Only one entrant may be listed on the permit and allowed to enter the manhole. **Gloves may be removed from the hands of the person completing the permit and only while he/she is entering information on the permit.**

Victim's Harness

It will be up to each individual team to check or adjust the victims harness for proper fit by the team during the four minute check. The full body harness on the victim should be installed to insure proper care and retrieval of the victim.

Decontamination Procedures

Place the victim in the armchair below the emergency shower. Activate the shower by pulling the handle to the furthest position downward.

Heart Attack Victim Revival Using AED

The victim is unconscious and there is not pulse
Use the ABC's

a. Airway- Tilt the mannequins head back
b. Breathing- look and listen for breathing (5 seconds)
c. Circulation – Check for pulse (at least 10 seconds)

Turn on the AED (trainer unit) and follow the prompts
Place the two AED paddles on the victim correctly.
When prompted, give the victim one shock
When the prompt is given "begin CPR", begin the 2 set of thirty compressions (60 total) *Note: it will be assumed the victim's pulse and breathing has returned and emergency services has arrived.*
Turn the AED off
Remove the two paddles from the victim; put the protective plastic covers over the paddles, placed back in the plastic bag in which they were removed from. Place the bag that has the paddles back inside the AED lid pocket and close the lid. Neatly wrap up the remote cord and tie with plastic (bread type tie) The AED will be in the same condition as the start of the event.
The AED and Mannequin will stay together inside the designated boxed line.
The rescuers will replace the disposable latex gloves with the regulation gloves before assisting the rest of the team.

Personal Hygiene

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Do not place any thing into your mouth, i.e., gas detector, pencils, pens, or straps. This will result in a penalty.

Equipment Provided for Competition:

- 16ft X 16ft platform (6ft height) with a 36 inch circular opening in the center of the floor.
- Full body mannequin (victim). Approx. weight 105 lbs.
- Phone to call emergency services
- One arm chair
- One clipboard
- One stopwatch
- Mounted phone
- One manhole safety cover manufactured by Safe Approach Inc.
- One General Duty Safety Switch, 100A, Square D Brand, Grainger Item 5B662
- One Gang hasp and 4 locks
- Four Lockout/tagout Tags
- Disposable latex gloves
- One Scott Protégé Gas Monitor With Pump

Safe Approach Items Description and Numbers

Item Description	Number
Safe Approach Rescue/Retrieval Davit w/ Adjustable Base & 50' Retrieval Winch	00697-2
Pulley Block w/ Carabiner for 3-Way Recovery Unit	00697-PB
60' Self Retracting Lifeline w/ Rescue Winch Built In (3-Way Recovery Unit)	2360-01-01
Mounting Bracket for 3-Way Recovery Unit	00697-WSB
Universal Fit Full Body Harness w/ Shoulder D-Rings (S,M,L,XL)	7250-02-01
2X-Large Full Body Harness w/ Shoulder D-Rings	7250-02-01XL
Work Seat W/ Belt - Large	8152
Work Seat W/ Belt - Medium	8151
7 lb Split Headache Ball	P-00697-HB

USA Blue Book Item Description and Numbers

One emergency Shower – horizontal Retrofitted with a vertical pipe 7” (+ or -) ft high	42580
One Axial blower w/canister & 15 ft of 8” hose	70186
One manhole saddle vent	42890
One universal saddle vent mount	42891
One 90 degree elbow for saddle vent	42898
Padlock Red	25595
Padlock Yellow	25596
Padlock blue	25597
Padlock Green	25598
Gang Hasp	25535
Four Lockout Tags	46162

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Annuvia Inc. Item Description and Numbers Contact:

Katie Demboski *Business Development* katie.demboski@**annuvia**.com | www.**annuvia**.com

Annuvia, Inc.
San Francisco Office
180 Montgomery Street, Suite 1120 | San Francisco, CA 94104
Ph 866.364.7940 or cell # 415-710-6300 | **Fax** 415.283.4856

One AED Trainer Unit Medtronic LIFEPAK	**500T**
Half CPR Mannequin (CPR Prompt)	**Adult/Child**

Equipment Provided by Teams

Teams will be required to supply and wear, as appropriate, the following:

1. Steel-toed shoes ANSI rating Z41-PT99
2. Hardhats meeting ANSI standard ANSI Z89.1-2003 Type I or II (bump hats are not acceptable)
3. Safety glasses/goggles ANSI rating Z87.1-2003
4. Leather gloves, mechanics gloves. Baseball, Golf gloves. Gloves with fingertips removed, **holes in the glove are not acceptable**.
5. Pencil or pen to write on confined space permits

Each team will need two full (one for the victim) body harnesses and one work seat. You select the sizes. These will be supplied at WEFTEC.

Teams interested in acquiring their own equipment for practice prior to WEFTEC, contact *David Kozlowsky* Safe Approach, Inc. Ph: 207-345-9900, Safe Approach has agreed to a discount on the items they are providing. You will need to provide your team name, utility, and MA name. Please allow 4 to 5 weeks for delivery.

Teams interested in acquiring their own equipment for practice prior to WEFTEC, contact Eric Pfeuffer at USA Bluebook 1-800-925-8399 Ext. 250. USA bluebook has agreed to a discount on the items they are providing. You will need to provide your team name, utility, and MA name.

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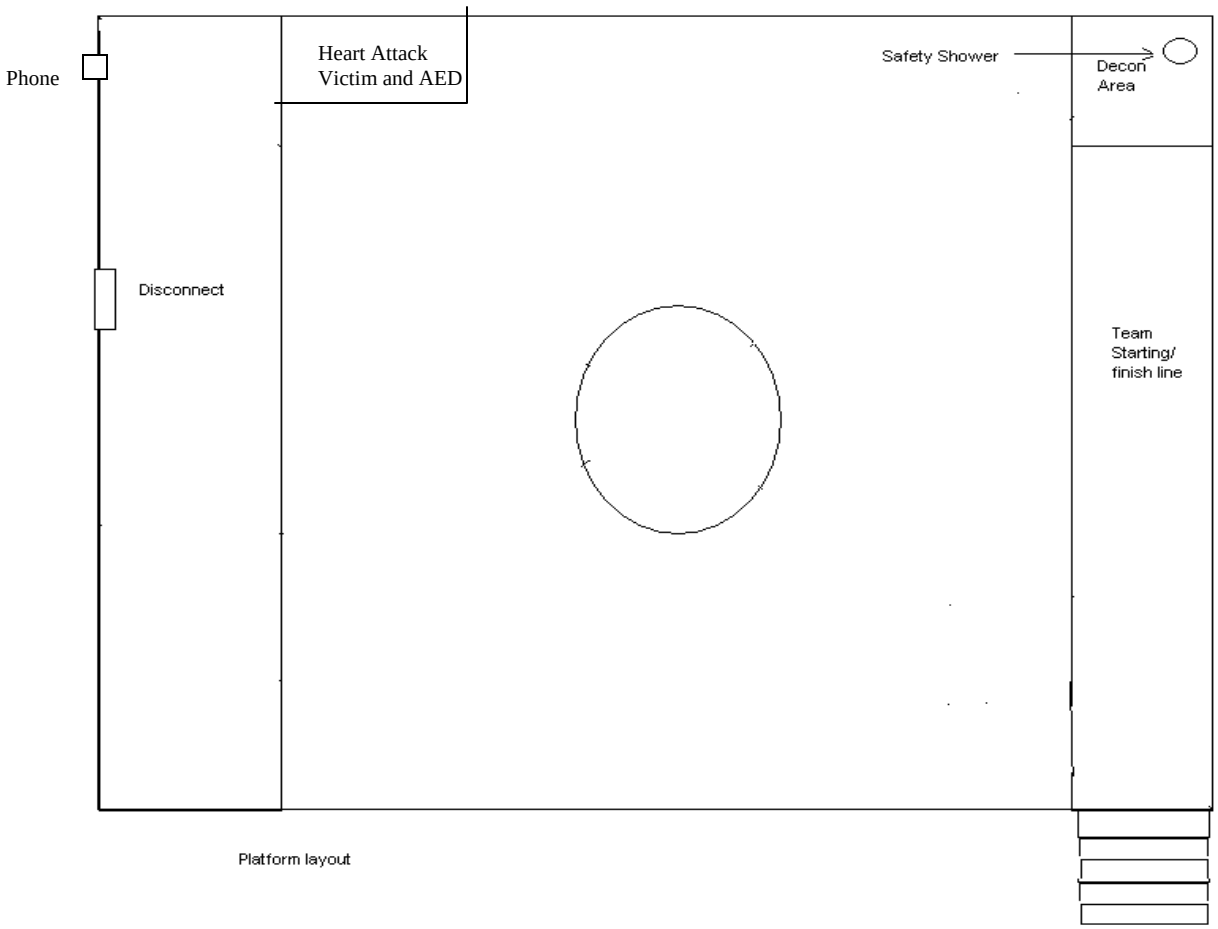

Judging Criteria

Safety Judges will stop competitors from competing if any unsafe actions are detected until corrections are made **Time will not stop, and judges will not identify the safety issue for the team.**

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Description of Penalties
Excessive pre-check time
Second false start
Start not called out
Harness straps (leg, shoulder) not properly connected or properly adjusted
Turning on the gas Detector or the blower during the 4 minute check
Not turning on Gas Detector
Inserting gas detector hose in manhole improperly
Not performing atmosphere testing
Not performing atmosphere testing for 30 seconds
Reading recorded on permit before 30 second testing period ends
Breaking the plane of the manhole before the 30 second test is done
Gas detector leaves the confined space before entrant exits the space
No team member monitoring the confined space
Davit Arm not assembled properly
Davit Arm not level or one or more of the four points not making contact with the platform floor
Winch not used or connected to Davit Arm incorrectly
SRL not used or connected to Davit Arm incorrectly
Entry person not hooked to SLR before manhole safety cover is removed
Manhole cover removed before davit arm is over manhole
Harness not properly attached to SLR
Davit arm not centered over manhole
Blower not used
Blower not out of the perimeter square
Blower saddle not used
Blower 90' not used
Blower switch not on
Entrant not fully in work seat before being raised/lowered
Work seat not removed from winch to raise victim
All team members will start in the starting area. A penalty will be assessed to any team member who is standing outside that area, i.e., decontamination area.
Team member in the hole lifting victim
Throwing seat down to team member in the confined space
Moving victim in a manner that would injure a person
Dragging or Throwing the victim
Victim not in decontamination area
Attendant not monitoring entrant
Safety shower not activated
Safe Approach cover not on manhole before tripod is moved
Improper lifting technique used
Equipment not disassembled at end of event
Any pin that is broken off or not attached at the end of the event
Equipment not properly stored at end of event
Equipment on or beyond the line
Cable not completely wound or over tight on winch or bird nested

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Damaging the cable due to mis-use or abuse
Jumping into the manhole
Throwing/dropping/ abusing tools or equipment
Team members PPE not on during the event (except for writing on CS permit)
Hard hat not on head any time during the event (5 second rule exceeded)
Injuring a Judge
Injuring a team member
Lockout tag not signed/dated/losing a key to a lock
Designated attendant was not the first person to place lock on gang hasp
Team did not notify the head judge who is the designated attendant
Any individual team member did not lock out gang hasp
Confined Space Entry was made without all three locks and tags, locked and on gang hasp
Heart attack rescuer helping out with any other parts of the event instead of attending to the victim immediately or before Step #12 (a-o) are completed.
Rescuer did not call 911 Emergency Services and or verbalize they have done such
Not tilting the victims head back to open airway
Not checking for breathing or chest to rise and fall for 5 seconds or longer
Failure to check pulse
Not counting out the to 10 while taking the heart attack victims pulse
Failure to check pulse properly by placing two fingers over the carotid artery
Not placing the AED paddles in the correct position on the victim
Not shocking victim
Not turning off the AED Unit before storing it
Not giving full depth chest compressions
Not counting out to two sets of thirty or giving the full 60 compressions
Plastic cover not placed over AED paddles
Paddles not put back inside the AED lid pocket
AED remote cord not neatly wound up or without the tie wrap at the end of the event
Using the AED remote without the cord
Heart attack rescuer not using disposable gloves
Not replacing disposable gloves with regulation gloves before helping team with the rest of the event
An unsafe act that could potentially injure someone but does not result in an injury such as: tripping, running into someone or something.

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Safety Event FAQ's

1. **Can the Safe Approach safety cover be removed from the manhole before the Davit Arm is over the manhole?**
   No - It must be removed after the Davit Arm is fully assembled and leveled before it is over the manhole and must be back over the manhole before removing the Davit Arm system form above the manhole opening.
2. **When can the permits be signed?**
   During the 4-minute equipment check.
3. **Who can remove PPE during the event?**
   The only person allowed to remove PPE during the event is the person writing the gas reading on the permit. Anyone else will be penalized except for the 5-second rule on hard hats. Definition of the 5-second rule is when a hardhat falls off the head, that person must stop working immediately, pickup the hardhat and place it back on their head. If this is not completed in 5 seconds a penalty will be assets. The rescuer will take his/her approved gloves off and put the disposable latex gloves to revive the victim. Although when the rescuer is finished he/she must put the mechanics gloves back on in order to proceed with the event.
4. **What are approved gloves?**
   Leather gloves, mechanics' gloves. Gloves with fingertips removed, hole(s) in the glove are not acceptable. Latex gloves will be provided for the rescuer. * note- there is nothing that says that the approved gloves cant be put on over the latex gloves after the rescue is completed; however, the latex gloves must be off before the event begins.
5. **Who is timing the 30-second air check and how?**
   The Team will do the 30 second time for the air check. A judge will be checking the marks on the hose for proper placement. This judge will also observe the 30-second timing for accuracy. The judge will not comment to any team member, it is the team's responsibility to do the test of a full 30 seconds.
6. **Can the air sampling tube be placed through or under the manhole safety guard?** Yes
7. **When can the blower adapter be placed in the opening?** After the safety cover has been removed. The blower must be completely assembled with the diffuser inserted into the manhole and turned on before a team member enters the confined space.
8. **Can one or more safety appliance be mounted on the Davit Arm prior to placement over the opening?**
   The complete fall protection system, Davit Arm, SRL, one Safe Approach winch must be completely setup before it is placed over the manhole. This includes mounting all safety appliances. - Per the directions Step number 8
9. **Is the Davit Arm disassembled at the completion of the event?** Yes
   Are ALL of the safety appliances removed from the Davit Arm upon completion of the event? Yes, SRL and the Safe Approach winch must be removed from the Davit Arm at the end of the event. The way the equipment is at the start of the four-minute check is the way you end the event. Every piece of equipment will be behind the equipment line, with the exception of the harnesses they may remain on the entry persons and the victim.
10. **Can a team member "physically handle" the cable and lift a person or victim out of the confined space without using the winch?** No - Should the cable slip this would injure the person. The penalties for injuring anyone are very high.

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11. **Who determines what is "legible" for the printed names?** The printed names must be able to be read by the judges. This will be done during the 4-minute equipment check.
12. **Can a team go under the platform to check the harness on the mannequin during the four-minute equipment time check?** Yes
13. **Must an entrant remain connected to the SRL while placing the safety cover back on the manhole?** Yes
14. **Can someone other than the entrants remove and replace the safety cover?** Yes
15. **Will the SRL and Safe Approach winch be in their bags/boxes when the event begins?** No
16. **Will the hose be attached to the gas meter at the beginning of the event?** No
17. **What are the dimensions of the starting/stopping, decontamination and the equipment storage areas?**
    The start/stop line is 3ft wide X11 ft long. The decontamination area is 3 ft wide X 5 ft `long. The equipment storage area is 3 ft wide X 16 ft long.
18. **What is the definition of dropping/abusing tools or equipment?**
    Dropping tools or equipment from a distant that could damage it. Abusing tools is doing anything that could damage the equipment
19. **The attendant can replace the porta-cover when all entrants are out. Is this correct?** Yes
19. **The attendant can insert and remove the ventilation equipment from the manhole as long as he does not break the plane. Is this correct?** Yes
20. **When does the person start administering to the heart attack victim?** As soon as 911 emergency services have been called
21. **Does the person attending to the heart attack victim place a lock on the lockout hasp?** Yes, after completing step 12 and prior to assisting in any other part of the event.
22. **After using the AED paddles should the plastic covers be put away?**
    After the AED use is done all parts of the AED will be put away just the way they were before the event started.
23. **Can the person doing the rescue assist the team after he/she is done with the rescue?**
    Yes, that person must place their lock and tag on the gang hasp and put on the mechanics gloves in order to proceed. (Not necessarily in that order).
24. **Can the LOTO tags be filled out and signed during the four minute check?**
    Yes. A full signature will be needed for each tag.
25. **Can we have LOTO keys in our possession before the event starts?**
    No, the keys will remain in the four locks keyhole behind the line. Once the LOTO is placed on the gang hasp, the key will be kept with each individual. Each team member will maintain custody of their key and have it at the end of the event to turn into the head judge
26. **What defines the person locking out?**
    Each individual person must place their lock and tag onto the gang hasp and pull out their key, A penalty will be assessed for anyone other than the person in possession of the lock to place it on the gang hasp and take the key out.
27. **Is it ok if the meter does not work, can the attendant or person using the meter just say "meter is on"?** Only if the meter malfunctions.

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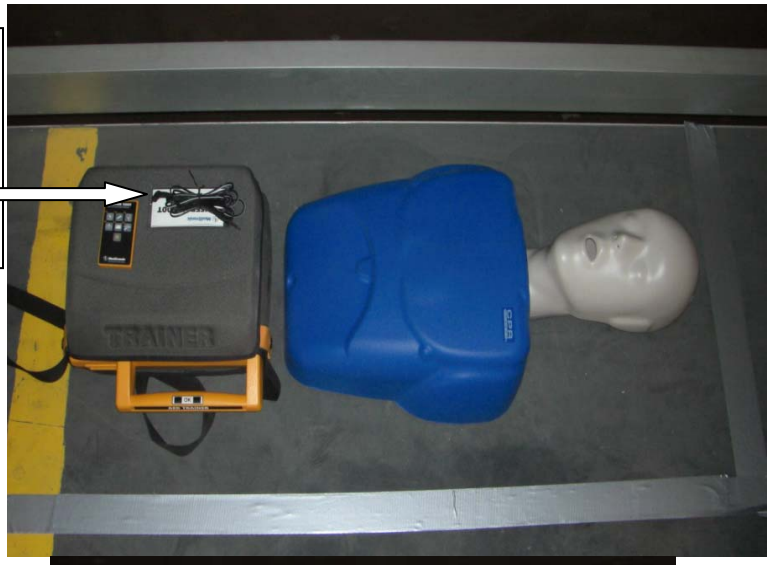
28. **Can the equipment start to be put away even if CPR is still being administered to the heart attack victim?**
    Yes, as long as the victim in the hole has been rescued and the entrant is out of the manhole.
29. **During the safety event can the latex gloves be worn under the mechanics gloves at the start?**
    No, the mechanics gloves will be on at the beginning of the event, removed and the latex gloves put on. However, if or when the CPR rescuer is finished and is in position to help out with the rest of the event, he/she may put the mechanics gloves on over the latex gloves.
30. **Can the paddles be connected to the AED electrodes during set up?**
    No. They must be connected sometime after 911 have been called.

Pictures: This first picture is what the victim and AED should look like at the begging and end of the event. The mannequin and AED can be placed in any direction as long as they are behind the designated boxed line.

Note*
The cord for the remote is neatly wound and tied with a wire tie. It is a penalty to use the remote without the cord.



Paddles must have plastic cover on them put in the plastic pouch (the pouch does not have to be sealed) be and placed into to the pocket inside the AED lid.

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WEFTEC 2010 Safety Event	
Confined Space Entry Work Permit	
A. Site Information: PLEASE PRINT	
Confined Space Id. Number:	
Team name:	
Designated Entry Team Leader:	
Designated Team Attendant:	
Description of work to be performed:	
B. Protective And Emergency Equipment Needed	
Yes	No
Gloves X	
Boots X	
Harness/Davit Arm Hoist X	
Atmospheric Tester X	
Blower X	
Hard Hat/Coveralls X	
Ventilated/Purged X	
C. Atmospheric Tests	
Explosive Gases	LEL
Oxygen	%
H_2S (Hydrogen Sulfide)	PPM
CO (Carbon Monoxide)	PPM
(Note: if alarm sounds vent space for 15 minutes with power ventilator and retest. If alarm sounds again continue to ventilate and retest until atmosphere meets allowable limits)	
Test accomplished by:	
D. Sign Off	
Entrant Signature:	
Entrant Signature:	
Attendant's Signature:	