



VST North America GREEN MACHINE Training

Use the tab key to navigate this document.

Student's Company Information

Company Name:		
Company Street:		
Company City:	Company State:	Company Zip:
Company Phone:	Company Fax:	

Student's Information

Last:	First:
Student Cell Phone:	Student E-Mail:
Please check the appropriate box below:	
<input type="checkbox"/> General Contractor / <input type="checkbox"/> Vapor Piping Contractor / <input type="checkbox"/> Electrical Contractor / <input type="checkbox"/> Start-Up Contractor / <input type="checkbox"/> ASC	

Training Instructions

1. Go to www.vsthose.com.
2. Click the VST Education button, under "North America GREEN MACHINE." Then click the link to the training you wish to take.
3. Watch the training video.
4. Once you've watched the training video, download, and print the quiz. The quiz has a registration form with it.
5. Fill out the registration form, take the quiz, and email both the registration form and the quiz back to VST - to Susie McLaughlin mclaughlin@vsthose.com.
6. VST will email your certification.

NA GREEN MACHINE – General Contractor Quiz

Must correctly score 18 out of 22 questions to pass this quiz.

- 1.) Where should the GREEN MACHINE be installed?
 - On a concrete pad, as far away from the vent risers as possible
 - On a concrete pad, at least 100 feet away from the vent risers
 - On a concrete pad within 100 feet of the vent risers, but as close as possible
 - On a concrete pad inside the underground storage tank

- 2.) VST recommends that a forklift be used to support the GREEN MACHINE to install the legs. How many legs are to be installed?
 - 4
 - 2
 - 0
 - 6

- 3.) True or false: VST supplies the hardware to install the GREEN MACHINE to the concrete pad.
 - True
 - False

- 4.) How can the general contractor send Appendix A Check-Out Form back to VST?
 - Email
 - Fax
 - Regular Mail
 - All of the above

- 5.) What slope is required for all vapor piping?
 - Maximum $\frac{1}{4}$ " per foot away from the GREEN MACHINE
 - Minimum $\frac{1}{4}$ " per foot away from the GREEN MACHINE
 - Maximum $\frac{1}{4}$ " per foot towards the GREEN MACHINE
 - Minimum $\frac{1}{4}$ " per foot towards the GREEN MACHINE

- 6.) True or False: It is OK for traps to exist anywhere in the piping.
 - True
 - False

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- 7.) What is the correct order to install the pipe fittings between the vent risers and the GREEN MACHINE (starting from the vent risers)?
- Ball valve, union, tee with a plug
 - Union, ball valve, tee with a plug
 - Tee with a plug, union, ball valve
 - Ball valve, union, ball valve
- 8.) Which of the following is true of the drain line?
- It runs from the vapor inlet pipe to the vapor return line
 - It has a loop
 - The top of the loop is below the bottom of the vapor inlet line
 - All of the above
- 9.) Is the Piping Contractor required to install a ¼" NPT Adapter in the ¼" diameter drain line?
- Yes
 - No
 - There is no adapter
 - Depends on the piping arrangement
- 10.) True or False: The ball valves between the GREEN MACHINE and the vent risers are not lockable.
- True
 - False
- 11.) After the piping for the GREEN MACHINE is complete, should the 3-way valve below the pressure sensor be open (handle is vertical) or closed (handle is horizontal)?
- Closed
 - Open
- 12.) Who provides the lockable ball valves?
- The General Contractor
 - The Piping Contractor
 - The station owner
 - Vapor Systems Technologies

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- 13.) How many wires need to be pulled from inside the GDF hut out to the GREEN MACHINE area?
- 9 (and 1 cable)
 - 3 (and 1 cable)
 - 12 (and 1 cable)
 - None
- 14.) Which of the following must be installed near the GREEN MACHINE?
- Safety Disconnect Switch.
 - 115-VAC Outlet
 - Emergency Shut-Off Switch
 - Safety Disconnect Switch & 115-VAC Outlet
 - All of the above
- 15.) True or false: All terminals are labeled with wire IDs in both the VST Control Panel and GREEN MACHINE junction box.
- True
 - False
- 16.) After installation is complete, where should the carabiner clip be installed?
- To the VST Control Panel power switch, locking it in the “ON” position
 - To the VST Control Panel power switch, locking it in the “OFF” position
 - Anywhere on the VST Control Panel
 - Nowhere, it can be thrown away
- 17.) True or false: The VST Control Panel can be powered through either the main electrical panel or the ESO relay?
- True
 - False
- 18.) True or false: The VST Control Panel needs to connect to a 4-Relay Module in the Tank Monitor.
- True
 - False

NA GREEN MACHINE – General Contractor Quiz

- 19.) True or false: The Electrical Contractor is required to test the GREEN MACHINE after the electrical installation is complete.
- True
 False
- 20.) Both flexible and rigid conduit can be used for the electrical connection to the GREEN MACHINE, but VST recommends:
- Flexible conduit
 Rigid conduit
- 21.) True or false: The GREEN MACHINE is installed in a Class I, Division 2 hazardous location?
- True
 False
- 22.) What size breaker in the main distribution panel is required to power the VST Control Panel?
- 10 amps
 15 amps
 20 amps
 40 amps