

# Commit to Health and Safety



## What is considered a best practice?

A **best practice** is a technique, method, process, activity, incentive, or reward that is believed to be more effective at delivering a particular outcome than any other technique, method, process, etc. when applied to a particular condition or circumstance.

*best way to do something*



Valero strives to be a world-class competitor in the global energy business, generating industry-leading returns on its investments in an employee-focused, socially conscious, community-minded, safe, reliable and environmentally responsible way.

### **Our Commitment to Excellence**

As a leading refiner and marketer, we are committed to following these guiding principles to achieve excellence in our business, our industry, and our relationships with our employees and communities.

### **Commitment to Safety**

The safety of our employees, our operations, and our communities is our highest priority.





Training Superintendant

Developer

SME's - Trainers

Administrator

Corporate trainers



7 teams

- 245 technicians
- 545 employees

Basic Training

Process Post Training

OJT (On the Job Training)

-Completion of program is 3 years



# Technician Basic Training

A classroom environment for 16 weeks.

- That is 80 days of [training](#)
- Consisting of classroom and field time.

## **Introduction to Valero**

Refinery purpose  
History of Refinery  
Refinery Organization.

## **Fire Training**

Supplied Air/SCBA  
Live Fire exercises

## **Fundamentals**

Plant Science  
Math  
Process chemistry  
Computer training

## **Health & Safety**

Safety at Valero  
PSM overview  
I/H/OSHA Health Regs  
PPE  
Environmental

## **Process Operations**

Distillation  
Furnace operations  
Boiler Operations  
Steam turbines  
Pumps and compressors  
Exchanger operation

## **Maintenance**

Hand/Power Tools  
Shop machines  
Valves  
Metal Skills  
Instrumentation  
Electrical  
Mobile equipment



## 19 Process Units

- 6 week training program
  - Includes a [Written](#), [Walkthrough](#) and [Break in](#)
  - [Requalification](#)
  - MOC

## Refresher training

- 2 year refresher
- 1 day with a half day field and classroom



Online training has its place in the Refining business.

- Pro's and Con's

**Our uses:**

- Refresher Training
- Safety training
- MOC
- ENV
- Acknowledgement

## Training Matrix

- CBTS are issued and the employees have 30 days to complete.
- Classroom training
- Entry training for all other personnel



- Basic Training
- Process Post Training
- Refresher Training
- Safety Training



You are Logged into: Benicia

You are logged in as:

Student Instructor

- [Users](#)
- [Managers](#)
- [Groups](#)
- [Non Sap Users](#)
- [Employee Information](#)
- [Group Training Groups](#)
- [Reports](#)
- [Proctoring Pin](#)
- [Batch Credit](#)
- [Adhoc Group Wizard](#)
- [Training Needed Email](#)
- [Classes](#)
- [Courses](#)
- [ILT classes](#)
- [Rules Engine](#)
- [Additional Class Settings](#)
- [Grandfathering Credit](#)
- [Search Courses](#)
- [List of Students](#)



- [Browse](#)
- [Search](#)
- [Categories](#)
- [Locations](#)
- [Offerings](#)
- [Settings](#)
- [Training Calendar](#)

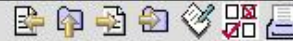
Manage Students	
Name	How Do Great Managers Execute
Start	04/20/2010 8:00
Class capacity	30
Location	Benicia Refinery - Trg Bld "A"
Location capacity	Unlimited

[Edit ILT Class](#) | 
 [Class schedule](#) | 
 [Edit instance details](#)

Students Enrolled in this Class

Record Selected as:  Attended

Mark	L #	Email	Supervisor	Student	Partition	Status	Score	Remove from class	Transfer
<input type="checkbox"/>	BN0047	<a href="mailto:Charles.Andrews@valero.com">Charles.Andrews@valero.com</a>	Kenneth W Dorsey	Charles E Andrews	Benicia	Enrolled <input type="button" value="v"/>	<input type="text"/>	<a href="#">Remove from class</a>	<a href="#">Transfer</a>
<input type="checkbox"/>	LPK3Q2	<a href="mailto:Gary.Armstrong@valero.com">Gary.Armstrong@valero.com</a>	Gregory D Anderson	Gary A Armstrong	Benicia	Enrolled <input type="button" value="v"/>	<input type="text"/>	<a href="#">Remove from class</a>	<a href="#">Transfer</a>
<input type="checkbox"/>	BN0125	<a href="mailto:Greg.Aton@valero.com">Greg.Aton@valero.com</a>	Russell Rice	Gregory A Aton	Benicia	Enrolled <input type="button" value="v"/>	<input type="text"/>	<a href="#">Remove from class</a>	<a href="#">Transfer</a>



- Hydrogen Sulfide
  - HYDROGEN SULFIDE Valero Benicia
    - Hazards of Hydrogen Sulfide
      - Objectives
      - Characteristics
      - Health Effects
      - Sources of Exposure**
      - Exposure Limits
    - Protection Methods
      - Objectives
      - Monitoring Equipment
      - Personal H2S Monitor Guidelines
      - Testing Personal H2S Monitor
    - Emergency Procedures
      - Objectives
      - H2S Alarm Response
    - Final Evaluation

## What are some of the sources of H<sub>2</sub>S exposure?

Just about any location in a refinery or Asphalt Plant could be a H<sub>2</sub>S hazardous area.

H<sub>2</sub>S can be found in:

- Storage tanks
- Pipelines
- Sulfur recovery units
- Vapor recovery units
- Sour water units
- Confined spaces
- Pumps
- Exchangers
- Filters
- Compressors



# Training Calendar PHASE 4

Altern

Jump to: 03 2010 Partition: Benicia Go

Currently enrolled:  Waitlisted:  Attended:

<a href="#">View February</a> <span style="margin-left: 20px;"><b>March 2010</b></span> <span style="float: right;"><a href="#">View April</a></span>						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	<b>1</b>	2	3	4	5	6
7	<b>8</b> BNVR   8:00:00 ANNUAL TEAM FIRE TRAINING Fire Training Grounds	9	<b>10</b> BNVR   8:00:00 ANNUAL TEAM FIRE TRAINING Fire Training Grounds	11	12	13
14	<b>15</b> BNVR   8:00:00 PS Refresher Training and Practical Classroom A	<b>16</b> BNVR   8:00:00 FCCU Refresher Training and Practical Classroom A  BNVR   8:00:00 ANNUAL TEAM FIRE TRAINING Fire Training Grounds  BNVR   8:00:00 MONTHLY MEETING (WILDLAND) FS #16	<b>17</b> BNVR   8:00:00 SGU-TGCU Refresher Training and Practical Classroom A	<b>18</b> BNVR   8:00:00 MRU/DHU Refresher Training and Practical Classroom A	<b>19</b> BNVR   8:00:00 HCU Refresher Training and Practical Classroom A	20
<b>21</b> BNVR   8:00:00 Corporate Fire School Texas A & M	<b>22</b> BNVR   8:00:00 Alky/Dim Refresher Training and Practical Classroom A	<b>23</b> BNVR   8:00:00 OM-14 Refresher Training and Practical Classroom A	<b>24</b> BNVR   8:00:00 Hazard Recognition Initial Training Skills Lab  BNVR   8:00:00 Blending Refresher Training and Practical Classroom A	<b>25</b> BNVR   8:00:00 Hazard Recognition Initial Training Skills Lab  BNVR   8:00:00 Utilities Refresher Training and Practical Classroom A	<b>26</b> BNVR   8:00:00 Dock Refresher Training and Practical Classroom A	<b>27</b>

- How safe are you?
- What training am I required to do?
- What training am I doing?
- How can I improve it?
- How can I use talent within the organization to improve it (SME's)
- How am I tracking training?