T-2/PSST Full Course

Course Outline

Prerequisites: This course shall have no formal prerequisite.

Course Length: 24 hours – Course length shall vary depending on the number of delegates. Total course time includes breaks and meals.

Class Size: The maximum number of delegates that may be trained and tested per instructor shall be twenty (20) in the classroom session and twenty (20) in the practical session.

Course Objective

- Production Safety Systems Training (PSST) trains delegates in the requirements of 30 CFR Part 250, Oil and Gas and Sulphur Operations in the United States Outer Continental Shelf (OCS), Subpart O and ensure personnel engaged in Production Safety Operations understand and can properly perform their assigned job duties in a safe and environmentally sound manner.
- Utilize the regulations and requirements of 30 CFR 250, 30 CFR 254 and API RP 14C (as they apply to the essentials of PSST Course and the offshore work environment).
- Provide knowledge of Emergency Shutdown Systems, Emergency Support Systems, general Production Equipment Operations and Production Safety Systems.
- Verification of knowledge through assessments that demonstrate competency in subject areas and material content taught in course utilizing practical training and evaluation that demonstrates operating skills with the working models and safety system components.

Course Design

- Power Point© / Lecture / Audio Video / Visual Aids
- Demonstrations
- Practical Simulations

Successful Course Completion

- Requires a minimum score of 75% or greater. Employers may require a higher minimum passing scores and will be applied as required.
- Grades shall be calculated by dividing the number of questions answered correctly by the total number of exam questions.
- Successful completion of practical session is mandatory.

Course Content Summary

- Classroom
- Practicals

Breaks: 10 minutes (approximately every hour)

Lunch: 1 hour

M&A Safety Services

FMTC a unique experience

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Day One (1)	7:30 AM – 4:30 PM
Production Equipment Operations	
Safety Introduction	7:30 AM – 8:00 AM
Course Introduction	8:00 AM – 8:30 AM
Break	8:30 AM – 8:45 AM
Oil and Gas Reservoirs	8:45 AM – 9:15 AM
The Well	9:15 AM – 9:45 AM
Break	9:45 AM – 10:00 AM
Wellheads and Manifolds	10:00 AM – 10:45 AM
Process Separators	10:45 AM – 11:30 AM
Lunch	11:30 AM – 12:30 PM
Glycol Dehydration Systems	12:30 PM – 12:40 PM
Natural Gas Pipeline	12:40 PM – 12:50 PM
Compressors	12:50 PM – 1:00 PM
Pumps	1:00 PM – 1:10 PM
Oil Processing Systems	1:10 PM – 1:30 PM
Break	1:30 PM – 1:45 PM
Production Safety Systems Training (PSST)	
Device Identification and Abbreviations	1:45 PM – 3:00 PM
Break	3:00 PM – 3:15 PM
Process Variables and Undesirable Events	3:15 PM – 4:30 PM
Day Two (2)	**7:30 AM – 4:30 PM**
Emergency Support Systems (ESS)	7:30 AM – 8:15 AM
Break	8:15 AM – 8:30 AM
Regulations, Laws and Safe Practices	8:30 AM – 10:00 AM
Break	10:00 AM – 10:15 AM
Regulations, Laws and Safe Practices (continued)	10:15 AM – 10:45 AM
Pressure Settings and Test Tolerances	10:45 AM – 11:30 AM
Lunch	11:30 AM – 12:30 PM
Pressure Settings and Test Tolerances (continued)	12:30 PM – 1:30 PM
Testing Frequencies, Leakage Allowances and Recordkeeping	1:30 PM – 2:00 PM
Break	2:00 PM – 2:15 PM

SAT, SAC and SAFE	2:15 PM – 3:15 PM
Safety Sensors and Device Identification Pictures	3:15 PM – 4:30 PM
Day Three (3)	**7:30 AM – 4:30 PM**
Safety Device Identification Schematic Symbols	7:30 AM – 7:50 AM
United States Coast Guard (USCG)	7:50 AM – 9:00 AM
Break	9:00 AM – 9:15 AM
Bypass (Out-of-Service & Temporary Out-of-Service)	9:15 AM – 10:15 AM
Hands-on Device Testing, Training and Evaluation	10:15 AM – 11:30 AM
Lunch	11:30 AM – 12:30 PM
Written Assessment of PSST Modules	12:30 PM – 4:30 PM

Practical Session (conducted in T2 Lab)

Practical shall verify the following competence:

- Master & PLC Control Panels, ESD
- Wellhead CP - SCSSV, SSV & SDV
- LSH & LSL
- PSH & PSL
- PSV
- Burner Safety Low (BSL/TSL)
- Flow Safety Valve (FSV)
- Analyzer Safety High (ASH)
- YSH (Ionization Safety High)
- Thermal Heat Sensor (TSH)

Training Center Provided Material

- Manual
- PPE (safety glasses)

Delegate Requirements

- None

Reference Material/Documents

30 CFR 250
30 CFR 254
API RP 14C