



San Joaquin Valley Section

## “Introduction to API Storage Tank Standards”

**Instructor:** Mr. John Cornell

**Date:** November 4-6<sup>th</sup>, 2014 (8:00 am to 5:00 pm)

**Location:** University of Phoenix, 4900 California, Ave, Bakersfield, California.

### **Announcement:**

SJVSPE is proudly sponsoring the – “Introduction to API Storage Tank Standards”. This is an intensive three day course which is designed for petroleum industry personnel, Facility Engineers, Project Engineers and Managers, suppliers, engineering firms, and operating personnel and contractors responsible for the design, construction, inspection, maintenance, regulatory, compliance, or operation of both large and small above ground storage tanks, A complete set of course materials are provided in a binder for each student.

### **Questions:**

Please call Terry L. Kloth @ 661-328-5952 (office); 661- 342-1068 (mobile) or e-mail [TLKB@pge.com](mailto:TLKB@pge.com) if you have questions or need additional information.

### **Payment & Cost:**

Payment can be made by check at the door on the first day of class (RSVP in advance by e-mail) or register & pay with a credit card via PayPal (below). The price of this course for SPE members and non - members is \$ 1,510 per person. Morning and afternoon snacks, cold and hot drinks, and a light lunch is included,

**PayPal Link:** [https://www.paypal.com/cgi-bin/webscr?cmd=\\_s-xclick&hosted\\_button\\_id=ZWNWEMZ24USZA](https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=ZWNWEMZ24USZA)

**RSVP:** Please RSVP to [TLKB@pge.com](mailto:TLKB@pge.com)

### **Target Audience:**

Facility Engineers, Facility Engineering Supervisors, Construction Engineers, Operational personnel, Supervision, Piping engineers, Contractors, Suppliers, designers, Project Engineers, Project managers, and anyone whom would like a better understanding Refining and Production Tanks.

### **Course Outline:**

- 1) Day One: Large Atmospheric Tanks (API-650) - Tank introduction, Materials, Design, Fabrication, Construction, External/ Internal floating roofs, Marking, and additional design and construction details.
- 2) Day two: Existing Tank Evaluation ( API-653) – Introduction to tank failures, Brittle fracture, Inspection drivers and considerations, Inspection types and schedules, Safety concerns around tanks, Failure (corrosion) types, etc.
- 3) Day three: Production Tanks (API -12F -12B) Tank Materials, Design, Fabrication. Also, (API-12R1), Inspection of field production tanks.

### **Instructors Biography:**

Mr. John Cornell is a Senior Tank Specialist for and owner of H.I.R. Technical Services which is a well-recognized tank consulting firm for storage tank design , fabrication, construction, inspection, and repair.

Mr. Cornell has worked for several suppliers of both internal and external floating roofs and is now considered to be an expert on floating roof systems of all design.

Mr. Cornell discovered a gap in the training that was currently available to tank owners so he has assembled and now offers "The Advanced Tank Training" course which is intended to increase the knowledge of tank owners.

Mr. Cornell is The Senior Training Provider for The USDOT for PHSMA as relating to Large Breakout tanks. Mr. Cornell is also an API-653 Certified Tank Inspector.

**Special Requirements: Lap Tops are "not required" and the students are discouraged from using lap tops or smart phones during class.**