



SECTION VIII, DIV.1 TRAINING SEMINAR

DATE: Nov 11 – 13th

TIME: 8am-5pm

PLACE: Courtyard by Marriott,
1500 NE Coronado Dr,
Blue Springs, MO 64014

DAY 1

- ASME introduction including history, function, general policies and organization
- Section VIII, Div. 1 introduction including organization, scope and boundaries
- Design in accordance with Section VIII, Div. 1 including cylindrical components under internal and external pressure, head calculations and reinforcement of openings

DAY 2

- Materials in accordance with Section VIII, Div. 1 including Code allowed materials, exemptions and details calculating Minimum Design Metal Temperature
- Fabrication in accordance with Section VIII, Div. 1 including details on fiber elongation, out of roundness, fit up and welding requirements
- Using the CEI Portal/Help System/Release Notes
- Validation Examples and checking references, a little on DC QA
- Setting Defaults and trickle down settings..... or not
- Browsers: user customization, quick access, adding your own materials, etc
- Quick Vessel Creation: The wizard and HE setup utility
- Vessel Information
- Component Status
- Navigating the software and component order, left to right and top to bottom, parents and children
- Designing for Internal Pressure, the basics: Dished Heads, Cylinders, Nozzles, Rated Flanges, MDMT in general
- Designing for Internal Pressure, the advanced: Custom Flanges, Cones, Cone to Cylinder

DAY 3

- Designing for External Pressure: L on Shells, Vacuum Rings, Cone to Cylinder
- External Loads by component: WRC-107, UG-44 for Rated Flanges (CC 2901), Effective Pressure Method for Custom Flanges
- External Loads by vessel: Tower, Saddle, Leg
- Tubesheets via UHX a quick overview
- U-2(g), Appendix 46 and Finglow

WRAP UP & REVIEW

The last half day will be open time for Q&A and practice use cases.