

W. M. HUITT CO. ONLINE TRAINING COURSE - MODULE IV

DEVELOPING PIPING MATERIAL SPECIFICATIONS 90 Minute Course Schedule

Course Description: This course will provide the novice or experienced Pipe Designer and CAD Operator with the broad, but specific information they need to perform their job more efficiently and effectively. It will provide plant maintenance personnel with a better understanding of regulatory compliance, system ratings, re-testing modified or repaired piping etc. Mechanical, Process, and Utility Engineers will get the information they need to better understand pipe specifications, the piping design process, and its various elements in their interrelationship with piping.

Who Should Attend: This course is useful to those designers or engineers responsible for developing piping material specifications. It will also benefit those individuals required to use and interpret piping material specifications in their daily work such as designers, engineers, procurement personnel, material handling, and maintenance personnel.

Abstract of the 90 Minute Course Agenda

Piping material specifications lay the groundwork for everything that comes after. It is the basis for material assignment to each fluid service, for setting design limitations, purchasing descriptions, limited fabrication requirements and installation requirements. This course will show, from the ground up, how to create piping material specifications and how to make the necessary determinations in their development.

The attendee will learn about formatting, what belongs in piping material specifications, how to build a branch chart matrix, how to set a corrosion allowance value, and what notations are applicable.

PIPING MATERIAL SPECIFICATIONS 90 Minute Course Agenda

- I. Spec utilization
- II. Material specifications from the ground up
 - a. Formatting
 - b. Consistent item description
 - c. Staying focused on piping material
 - d. Concise and complete descriptions
 - e. Proper notes for clarification and reference
 - f. Vendor specific descriptions
 - g. Use terminology in a consistent manner
- III. Matching up MOC and fluid service
 - a. Determining material type and joint type
- IV. Matching component rating with fluid service
 - a. Cast malleable iron Class 150 threaded, forged steel Class 3000 socketweld, Class 300 flange, etc.
- V. Determining joint type
 - a. Threaded, socketweld, flange, grooved and coupled, flat-face, raised face, compression type, etc.
- VI. Determining corrosion allowance
 - a. How much corrosion allowance should be assessed
 - b. How to calculate corrosion allowance
- VII. Building a library of corporate piping material specifications

END OF COURSE