AWS-CWI Certification Preparation

Course Length: Six full days (58 hrs), with optional evening study sessions
Cost: $1200
Instructor: Reggie Thomson

This class is designed for inspectors and engineers working in petrochemical or fabrication facilities.

Course Overview
The course prepares the student for the AWS-CWI (Certified Welding Inspector) exam. This is an intensive one-week course with a heavy emphasis on the technical and inspection aspects of welding. This course content includes:

- Welding Inspection Technology  
  *Welding Terminology* - Symbols, Joints, etc.
  *Welding Processes*
  *Welding Metallurgy*
  *Inspection of Welds - Visual and NDE*  
- API 1104, The Pipeline Welding Code  
- Hands on training: Use inspection tools on weld replicas  
- Review and Practice Exam

Objectives
The course provides participants with the knowledge necessary to:

- Successfully pass the AWS-CWI certification exam
- Effectively use the primary code: API 1104
- Understand applications and limitations of welding processes
- Identify welding symbols, joint configurations, and parts of welds
- Use inspection tools to measure welds and weld discontinuities.

Class Participants
Students should have 3-5 years of experience at one of the following: petrochemical facility or pipeline, fabrication facility, shipyard, or any other job associated with welding. There are no required class prerequisites, but other helpful courses include: Magnetic Particle Inspection, Penetrant Inspection, Visual Inspection and RT Film Interpretation.

Notes
This is an intense course with daily homework and a final exam (similar to the AWS-CWI exam). A study guide is issued to direct participant’s pre-class study. We recommend the student stay at the class hotel.

To obtain application for AWS CWI certification, see: www.aws.org/certification/

Bring to Class
Students should bring to class: a calculator, a straight edge (or triangle), pencils, highlighters, lots of questions, and a “can-do” attitude. Also, participants must bring the appropriate books required for the CWI class and exam. (see below)

<table>
<thead>
<tr>
<th>Required Books for Exam</th>
<th>Required Books for Class</th>
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<tbody>
<tr>
<td>API 1104 Pipeline Welding Code (20th or 21st Edition)</td>
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Note: These books can be order at website www.global.ihs.com (Global Engineering Documents).