



Meeting & Seminar

UPdate

Canadian Welding Association • Association canadienne de soudage

Volume 1

Canadian Welding Association Hamilton Chapter

October 7, 2009

Please plan to attend our next seminar

Wednesday October 7, 2009

Holiday Inn Conference Centre located at 3063 South Service Road, Burlington.

Attitude adjustment: 5:30 p.m. Dinner: 6:00 (Sharp) Seminar 7:00 pm

Dinner Tickets for this meeting are: \$20 for students, \$35.00 (members and \$40 for non members Note: basic membership is free (at present)

You **must** reserve Dinner Tickets. Call Al Lundrigan (905) 979-0285

Please reserve your Dinner Tickets by contacting Al Lundrigan (905) 979-0285 by Friday October 2, 2009

Topic

“Underwater Welding”

By Bruce James

Bruce James has over 30 years experience in the welding and joining industry, 12 years as CWB Coordinator, Educational Program Development. He is a member of AWS Technical Committee D3B – Underwater Welding, D3D – Underwater Cutting, and International Standardization Organization ISO –TC-44- Underwater Welding.

Bruce will be discussing underwater welding including the variables unique to the process. Equipment requirements, certification, welder training, safety and career examples will also be reviewed during this extremely informative presentation



Wednesday November 4/2009

Topic: Auto Racing Presentation

By: “Someone from Cascara”

Contact any Hamilton Chapter Board Member for Tickets.

Note! You must reserve in advance

“Help keep our mail list up to date”

If your e-mail has changed, let us know. If you know someone who used to get these updates and doesn't anymore, get their e-mail to us. cwa_publicity@cogeco.ca

Functions of the inspector

From CWA module 15 (page 4 & 5)

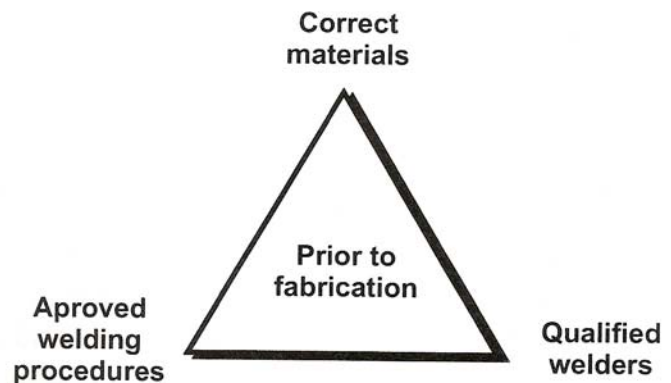
The inspector's role:

The inspector's role begins well before welding starts, continues during the welding operation, involves action after welding is completed, and is finished only when the results are properly reported. As part of the quality system, inspection activities are defined in an inspection and test plan which clearly describes what is required. The inspector is frequently responsible for producing documents that ensure traceability of the components and related fabricating action.

Prior to welding, the inspector must be assured that the materials are correct and that the shop has approved welding procedures and appropriately qualified welders (figure 2). Written procedures and competent operators are important to the production of a quality-welded product, but the actual execution of the weld is also a critical point for the inspector. Once the inspector is satisfied that all is in order for the welding to proceed, the task becomes one of witnessing and monitoring. There are three basic interests at this point.

- Ensuring that the written procedures are being followed
- Ensuring that workmanship requirements are being followed
- Watching for any physical signs of nonconformance of the final product

Figure 2: The "Quality Triangle" for welding showing three key items that would be verified by the welding inspector prior to beginning any welding.



The inspector's responsibilities are to verify base metals and welding consumables, observe the fit-up and preparation for the weld, and watch the welding operation itself. Once the welding is completed, a new series of inspection tasks begins, which starts with executing an inspection program according to an approved procedure, Keeping track of the status of examination and testing and selecting specific welds for further NDE or mechanical testing.

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