
From: Evan Vokes
Sent: Monday, June 27, 2011 8:32 AM
To: Robert Lazor; Salvatore Delisi
Cc: Chris Penniston; Rick Ostrom; Trent Bertholet
Subject: RE: Welding Reports for May 11 & 12, 2011 and the need for 3PI Training

Hello Everyone

My thoughts on welding inspection

While I was actively involved in the welding side these shortcomings were very apparent. APEGGA requires that design construction and inspection are under Engineering supervision and we do not do this. Gail may organize a program but there is no training to prove competency as required by OPR. The real shame is what Enbridge does well where they do their audits as per section 53 on every type of inspection. The regulation does say shall not should.

Trent, Rick and Chris have seen different iterations of my show and tell presentation that I have put together. The logic is there as it relates to TES WELD PL and TES WELD AS etc. as welding is just physics. We can go through those specifications afterwards and see how they relate to what they have learned. There should be a test and not that typical sham of a test either.

The part that concerns me is the welding inspectors come from many backgrounds non of which are suitable for inspecting transmission pipe. CET, CWB W178 CWI NDE are all interesting points to start from but they do not tell you what you need to do and look for. The most important skill for a welding inspector is the one I am not strong at. You must be able to write good notes in a short time. We can teach the techniques but we cant teach organization of how to get meaningful reports out.. You must let them know where the limits are as all the money Bison spent on inspectors and training was wasted and we constantly see inspectors make engineering decisions.

Realistically, we would give a presentation; go to the shop to show people how to measure parameters correctly. We need them to have training in basic NDE techniques as they need to know that the radiography can be performed incorrectly

Now the big question. Does active control qualify for a welding, coating and NDE inspector for a few welds? I would not stake my PEng on this regardless of how few welds there are. OPR is pretty specific on this subject and clearly we don't measure up. I think where Harry Fenton has gone is more appropriate and I had encouraged some PMs in meterstations to do the same. Proper solution, contract a couple of cross trained inspectors and be done with it.

See you in a couple of weeks
Evan

From: Robert Lazor
Sent: Friday, May 13, 2011 3:31 PM
To: Evan Vokes; Salvatore Delisi
Cc: Chris Penniston; Rick Ostrom; Trent Bertholet
Subject: FW: Welding Reports for May 11 & 12, 2011 and the need for 3PI Training

The attached documents are examples of what is received by Measurement Projects. You will note that welding parameters are not measured during welder qualification, preheat and interpass temperature are not listed, and in general it would be difficult to prove that the WPDS was being followed.

Please work together to outline what we need to do in terms of revising/preparing Weld Inspection Forms. Also, prepare a course outline for Welding Inspectors. Could be classroom or distance teaching; I think that we should aim at Webex, possibly even several one-hour sessions.

There are many projects on the go this year and we should address Inspector training before we go to construction, so that we are in a great position at the start of the project.

Please remember to plan your vacation schedules before construction. If you don't, you might miss terrific opportunities such as visits close to Wood Buffalo National Park and the majestic Rockies of northern B.C.

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From: Asa Gold [<mailto:acegold@telus.net>]
Sent: Thursday, May 12, 2011 9:07 PM
To: Matthew Tully
Cc: Bill Asher
Subject: Welding Reports for May 11 & 12, 2011

Matt,
Reports attached.

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