

From: Jeffrey Hixon , *JES*
To: Dhdawes@mcdermott.com
Date: 9/13/02 2:22PM
Subject: Davis-Besse B&W Contract # 620-0014-52

Dave,

Hello again. Senior Materials Engineers Jim Davis and Bill Cullen are the lead Research Engineers here on the Besse-Head. Jim Davis was on the NRC Augmented Inspection Team and wrote part of the Augmented Inspection Report that is coming your way via US mail. I just receive from Bill Cullen the drawings and Chemistry Test Certificates of the base material, cladding, wire, and CRDM Nozzle Body HT# C2649 and M3935

The Contract # is: **620-0014-52**

A good drawing number is: **120784 D Rev. 0 & 154628E Rev. 5**

Drawing number 120784 D Rev. 0 lists the major parts and welding processes with W.D.S. and PQ #'s. The drawing is pretty straight forward.

From what I've read, Nozzle 3 is adjacent to the cavity. From drawing number 120784 D Rev. 0, I believe the nozzle #3 heat # to be M3935. It is understood that HT# M3935 has shown more indications than other heats of CRDM Nozzles. Page 10 of the power point presentation shows this to be the case. I am told that other B&W plants have shown HT# M3935 to include more indications than other heats CRDM Nozzles.

Weld numbers 8 and 13 appear to be the cladding weld numbers. Weld number 13 appears to be under the J-groove weld.

Weld # 8: W.D.S.'s WH-8, Rev 0 and WH-8 Alt 1, Rev 3 PQ#2237

Weld #13: W.D.S. WH-13 Rev. 1 PQ#2244

I have not seen these data sheets or the PQ sheets. If you could locate them and send us a copy, we would appreciate it.

Also, how would you recommend construction of a mock-up for a burst test? How accurate do you think that a single wire SAW would be? Would strip cladding be more accurate? Do you happen to have any old heads laying around that were fabricated in this manner (it's worth asking). Do you have the capability of doing three-wire SAW, and would this be meaningful/accurate for construction of a plate for use in a burst test?

I will be out of town the next two weeks for training. If you are available to talk this afternoon, I would greatly appreciate it. If you are available this afternoon and I am not at my desk, please let me know a good time I could call back.

Either way, I hope OSU wins tomorrow. Have a good weekend.

Jeff Hixon

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