

M.P.R.

From: Peter Snyder
To: Ann Marie Stone; David Hills; George Dick; Mahesh Chawla; Patricia Lougheed
Date: 8/27/03 10:47AM
Subject: Byron Unit 1 Power/AMAG Issue Update

Some additional information regarding the licensee's attempt to resolve differences between Byron Unit 1 power output vs. Unit 2 and both Braidwood units:

This week the licensee has had AMAG install additional instrumentation on the common feedwater header to compare to their permanent installation of the instrumentation on each of the 4 separated feedwater lines to the 4 steam generators. As you receive this message the licensee is collecting additional data from this new instrumentation.

They have established plant conditions so that tempering flow lines to each of the 4 steam generators have been isolated. This does not affect power output on Unit 1 it just reduces additional error that would have to be accounted for in flow calculations (tempering lines recombine with regular feedwater flow on these SG's prior to entering the generator). They have also double isolated all other outputs from the feedwater headers to reduce error (a result of this is an isolation of SG blowdown).

The licensee will use this additional data as a point of comparison between the two sets of instrumentation to again try to determine if something is wrong with the permanent instrumentation installation (on the 4 separate lines). They have collected data like this before (from a separate installation on the common header) but that was done during unit coastdown when overall error between all flow instrumentation goes down. Also they may not have isolated the additional sources of error as much as they have this time. This time they will be at full power while collecting the data.

While the CI here believes this will give the site a better "check" of the permanently installed instrumentation he still believes separate instrumentation from another company to compare to both the permanently installed AMAG as well as the venturis would give the best check.

George or Mac please forward this to the appropriate technical folks at headquarters.

Thanks,

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CC: Richard Skokowski