

## CHAIRMAN Resource

---

**From:** Tom Gurdziel <tgurdziel@twcny.rr.com>  
**Sent:** Monday, September 15, 2014 10:10 PM  
**To:** Screnci, Diane  
**Cc:** CHAIRMAN Resource; Lyon, Jill:(NMP); T Holden; ESTRONSKI@aol.com; thenry; Bridget Frymire; Michael Mulligan  
**Subject:** Repetitive Special Inspections for Continuous Dominion/Millstone 3 Pump Problems

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hello Diane,

I notice that the Turbine Driven Auxiliary Feedwater Pump failed a quarterly surveillance test (July 15) even before you completed your last special inspection (July 21, 2014). Then it failed again on September 10, 2014.

Here is what I think should be done.

First, pick up a copy of that EPRI reference I mentioned in my September 9, 2014 e-mail. (Terry Turbine Maintenance Guide AFW Application, 1007461).

Second, read every "NOTE:", "CAUTION:", and "IMPORTANT:" and determine which apply, and if any were overlooked.

Third, read again the "IMPORTANT:" on page 4-5, which says in part: "Voids in the control lines could result in an overspeed trip during a quick-start transient."

Fourth, read again the "CAUTION:" on page 25-18, which says in part: "Failure to reset the potentiometer will result in a subsequent uncontrolled restart of the turbine."

Fifth, read again the "NOTE:" on page 22-10, which says in part: "The calibration procedures presented here differ significantly from the generic information identified in the Woodward Governor Company bulletins."

Sixth, read again the "CAUTION:" on page 22-23, which says in part: "Pushing down on the centering springs can result in severe speed transients."

Seventh, read again the "NOTE:" on page 22-23 which says in part: "...might indicate other control system problems, such as binding control valves, worn or sticking linkage, improper flow controller calibration, or other system problems."

Eight, read again the "CAUTION:" on page 23-5 which says in part: "As a result, governor overhaul activities often involved the reinstallation of the original soft springs. This error resulted in the return of control stability problems."

If that takes you no place, obtain the services of Mark Dooley, (page ix, Entergy(?)) who was listed as a member of the Technical Advisory Group, and get advice from him. (At Nine Mile Point, Unit I, we considered him the most expert on understanding governors). And, it might be time to start disassembling everything, measuring each, and comparing with the required dimensions.

I believe the current efforts to find the problems should use nobody previously involved with this piece of equipment.

And why haven't they been using members of any turbine users group for advice?

Thank you,

Tom

I don't think that TDAFW pump is operable at all. Do you?  
Also don't forget, my wife and I own Dominion stock.