

 Go Back

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## AR 00678322 Report

<b>Aff Fac:</b>	Byron	<b>AR Type:</b>	CR	<b>Status:</b>	APPROVED
<b>Aff Unit:</b>	01	<b>Owed To:</b>	A8830CAP	<b>Due Date:</b>	01/09/2008
<b>Aff System:</b>	FW	<b>Event Date:</b>	09/28/2007	<b>Disc Date:</b>	09/28/2007
<b>CR Level/Class:</b>	4/D	<b>Orig Date:</b>	10/01/2007		
<b>How Discovered:</b>	H03D				
<b>WR/PIMS AR:</b>		<b>Equip Tag:</b>	1FT-FW276		

### Action Request Details

**Subject:**

NRC SUSPENDS TOPICAL REPORT FOR USE OF CROSSFLOW (AMAG)

**Description:**

Originator: DAVID C EDER Supv Contacted: J. Feimster

**Condition Description:**

On 9/27/07 the NRC issued RIS 2007-24 notifying licenses that it is suspending the approval of the CROSSFLOW ultrasonic flow meter (AMAG) for all new and future uses of the device for appendix K uprates (MUR power uprates) or Rx power recovery.

The reasons stated for the suspension of the topical report are

1. the assumption that laboratory calibration results are transferable to in-plant configuration without additional in-plant calibration, without complete uncertainty evaluation, and without traceability to a national standard. Alternatively, if in-plant calibration is used to eliminate this assumption, the weaknesses of in-plant calibration without a complete uncertainty evaluation and without traceability to a national standard may remain.
2. The treatment of the impact of acoustic noise on CROSSFLOW and the ability to detect and remove the effects, including determination of residual uncertainty.
3. The lack of periodic in-plant calibration using an instrument traceable to a national standard and lack of assurance that CROSSFLOW operation remains within the claimed uncertainty.
4. The lack of specific restrictions over a range of flows and plant configurations that define where the CROSSFLOW calibration can be considered valid.
5. Inadequate description of the installation and use of CROSSFLOW consistent with the actual calibration and commissioning practice.

Byron station does not currently use the AMAG system and does not have the required calorimetric uncertainty analysis to allow current use of AMAG. Thus, Byron station is not a current user. Since the NRC has prohibited use of the AMAG equipment for all new and future users, this equipment is of no use to Byron Station.

Although Note 3 on drawings 6e-1/2-4458E states the equipment is not to be used in a functional manner for design, operation or control of the FW system, this note may not be sufficient to prevent its use. I recommend the in plant hardware be removed on both units (all 4 installations on the individual FW lines and the single installation on the FW header) or the equipment official be entered into the abandond equipment program.

Immediate actions taken:  
Generated IR.

Recommended Actions:  
remove identified hardware from plant.

Operable Basis:

Reportable Basis:  
This equipment and software is not used at Byron.

SOC Reviewed by: DONNA E RASCHKE 10/03/2007 09:44:11 CDT  
SOC Comments:  
Close to ACIT generated to take the issue to the PHC mod subcommittee for consideration. - (mkp 10/2) SOC 10/03/07

Reviewed by: LEO J WEHNER 10/02/2007 18:52:20 CDT  
Reviewer Comments:  
Assign action as recommended.

**Trend Codes**

TC1	TC2	TC3	Proc	Org	Rank
EQT	COMPH	N	*	*	P

**Assignments**

<b>Assign #:</b>	<u>01</u>	<b>Assigned To:</b>		<b>Status:</b>	COMPLETE
<b>Aff Fac:</b>	Byron	<b>Prim Grp:</b>	ACAPALL	<b>Due Date:</b>	10/06/2007
<b>Assign Type:</b>	TRKG	<b>Sec Grp:</b>		<b>Orig Due Date:</b>	μμ/μμ/μμμμ
<b>Priority:</b>					
<b>Schedule Ref:</b>					
<b>Unit Condition:</b>					
<b>Subject/Description:</b>	NRC SUSPENDS TOPICAL REPORT FOR USE OF CROSSFLOW (AMAG)				

<b>Assign #:</b>	<u>02</u>	<b>Assigned To:</b>	BYRZE	<b>Status:</b>	ACC/ASG
<b>Aff Fac:</b>	Byron	<b>Prim Grp:</b>	A8830NESTT	<b>Due Date:</b>	01/09/2008
<b>Assign Type:</b>	ACIT	<b>Sec Grp:</b>		<b>Orig Due Date:</b>	01/09/2008
<b>Priority:</b>					
<b>Schedule Ref:</b>					
<b>Unit Condition:</b>					
<b>Subject/Description:</b>	Take the following to the PHC Mod Sub for consideration: Remove AMAG plant hardware on both units (all 4 installations on the individual FW lines and the single installation on the FW header) or have the equipment officially entered into the abandoned equipment program. Generate additional actions, as appropriate.				