Technical Bulletin

☐ *Place a copy of this bulletin in the front of each Blueprints Manual.*
☐ *Redline drawings as needed and include a TB reference note.*
☐ *Document TB implementation schedule request and completion:*

Date Scheduled _____ Date Completed _____

Completed by (name) _____

TB Number: 090
Date Issued: 04-04-13
Expiration Date: none

Subject/Key Words:	VCS meg tube cooling water recommendation to enhance performance longevity			
Classification:	■ Informational	❑ Mandatory	❑ Safety Alert	■ Preventive Maintenance Impact
	❑ Warranty Impact	❑ Purchase Parts	❑ No Charge For Parts expires ___ / ___/___. Reference this TB# when ordering NC parts.	
Applicable Procedures:	Cooling liquid flow: Adjust until the switch in the transducer is satisfied, plus ½ turn.			
Parts/Reference Documents:	1090160.11 XDUCER ASSY VCS 200MM (also applies to transducer assy: VCS/STP Style - all part numbers)			
Attachments:	None			

Issue: **City water purity can vary site to site. Some sites have experienced reduced service life of transducer tube assemblies. Evaluations have shown mineral deposits/buildup within certain cooling water partitions of the tube assemblies which resulted in reduced cooling efficiency. An elevated heat level within the tube assembly is a known contributor to reduced service life.**

Solution: **To maximize service life proper cooling water flow must be maintained. Recommendation is to change from city water to deionized water (DI water, DIW) or a 50:50 Ethylene glycol : DIW mix at:**
0.1 GPM (378 cc/min) @ 5 psi AT FLOW SWITCH.
FLOW SWITCH TO BE MOUNTED WITHIN 2 FEET OF TRANSDUCER.

All future builds having VCS tube meg assemblies will state meg cooling water facility requirements as using DIW.