

LTR-NRC-06-35 NP-Attachment

**CROSSFLOW Ultrasonic Flow Measurement System
Standard and Non-Standard Installations**

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CROSSFLOW Ultrasonic Flow Measurement System

Standard and Non-Standard Installations

Summary of Installations

The attached table provides a summary of domestic power plant CROSSFLOW installations and provides the installation type (i.e., standard or non-standard) as classified at the time of installation. Related findings from the CROSSFLOW Baseline Validation Reports (BVRs) completed by Westinghouse/AMAG and the utilities as of October, 2004 are also included. These results were reported to the NRC in Westinghouse letter LTR-NRC-04-61¹ and by the Westinghouse Owners Group (WOG) CROSSFLOW Task Force (CTF) in letter WOG-04-622². The BVRs reviewed current CROSSFLOW applications for piping configurations and pipe intrusions, acoustic signal contamination, and baseline certified installation configuration, and performance relative to other plant parameters. The purpose was to provide additional assurance that CROSSFLOW was installed and operating as intended.

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] ^{a, c}

Definition - Standard Installation

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] ^{a, c}

¹ R. M. Span (Westinghouse) to C. I. Grimes (NRC), "UFM Technology Update", LTR-NRC-04-61, October 19, 2004

² F. P. Schiffler (WOG) to C. I. Grimes (NRC), "Westinghouse Owners Group - Assurance that CROSSFLOW Technology, Installation, and Operation Maintain Design and Licensing Basis (Proprietary)", WOG-04-622, December 10, 2004

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]^{a, c} Using the above definition, the attached table documents the bases for the initial installation classifications.

**Summary of CROSSFLOW Ultrasonic Flow Measurement System
Installation Classification for Domestic Power Plants***

a, c

a, c

a, c



a, c