

April 4, 2006
EN-06-011

OFFICE OF ENFORCEMENT
NOTIFICATION OF SIGNIFICANT ENFORCEMENT ACTION

Licensee: Tennessee Valley Authority (EA-05-169)
Watts Bar Nuclear Power Plant
Docket No. 05000390

Subject: ISSUANCE OF FINAL SIGNIFICANCE DETERMINATION AND NOTICE OF VIOLATION

This is to inform the Commission that a Notice of Violation associated with a White significance determination process finding will be issued on or about April 7, 2006, to Tennessee Valley Authority as a result of inspections at the Watts Bar Nuclear Power Plant. This White finding, an issue with low to moderate increased importance to safety, involved a challenge to reactor coolant system (RCS) integrity by multiple pressurizer power-operated relief valve (PORV) actuations and a challenge to RCS inventory control by the loss of RCS coolant via the open PORVs which occurred on February 22, 2005, during transition to solid plant operations. From a defense-in-depth perspective, unlike most other accident initiators that can lead to core damage, a low temperature overpressure event could result in the reactor pressure vessel being unavailable for either subsequent recovery of the reactor core or as an additional barrier for fission product retention.

A Notice of Violation is included because this White finding was associated with a violation of Technical Specification 5.7.1.1 and Procedure GO-6, Unit Shutdown from Hot Standby to Cold Shutdown, in that TVA personnel failed to slowly raise charging flow to fill the pressure at less than 30 gallons per minute as required by procedure.

It should be noted that the licensee has not been specifically informed of the enforcement action. The schedule of issuance and notification is:

Mailing of Final Significance Determination	April 7, 2006
Telephone Notification of Licensee	April 7, 2006

The State of Tennessee will be notified.

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**PRELIMINARY INFORMATION - NOT FOR PUBLIC DISCLOSURE UNTIL
VERIFICATION THAT LICENSEE HAS RECEIVED ACTION**

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