

June 26, 2006  
EN-06-023

OFFICE OF ENFORCEMENT  
NOTIFICATION OF SIGNIFICANT ENFORCEMENT ACTION

Licensee: Exelon Generation Company, LLC (EA-06-112)  
Quad Cities Nuclear Power Station  
Docket No. 05000254

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 June 29, 2006, to Exelon Generation Company as a result of inspections at the Quad Cities Nuclear Power Station. This White finding, an issue of low to moderate safety significance which may require additional NRC inspection, involved the Unit 1 electromatic relief valves (ERVs).

The Notice of Violation is included based on a violation of 10 CFR 50, Appendix B, Criterion III, Design Control. In this case, the licensee failed to establish measures to ensure that the application of the ERV actuators (which are essential to perform the safety-related reactor vessel depressurization and reactor overpressure protection functions) was reviewed and remained suitable for operation prior to implementing an extended power uprate (EPU) for Unit 1 in November 2002. This resulted in multiple ERVs becoming inoperable and unavailable due to being subjected to significantly higher vibration levels during Unit 1 operation at EPU power levels.

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	June 29, 2006
Telephone Notification of Licensee	June 29, 2006

The State of Illinois will be notified.

Contacts: D. Starkey, OE, 301-415-3456 D. Solorio, OE, 301-415-0149

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

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