

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

October 24, 2006  
EN-06-052

**OFFICE OF ENFORCEMENT**  
**NOTIFICATION OF SIGNIFICANT ENFORCEMENT ACTION**

**Licensee:** Constellation Generation Group, LLC (EA-06-198)  
Calvert Cliffs Nuclear Power Plant  
Docket No. 05000317

**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 (SDP) finding will be issued on or around October 27, 2006, to Constellation Generation Group, LLC, as a result of inspections at Calvert Cliffs Nuclear Power Plant. This self-revealing White finding, an issue of low to moderate safety significance which may require additional NRC inspection, involved inadequate design control during the establishment of the over-current trip setting for an electrical circuit breaker that supplies power to the support systems for the 1A Emergency Diesel Generator (EDG). The low over-current trip setting would have impacted the capability of the 1A EDG to perform its intended safety function during certain design basis events at Calvert Cliffs Unit 1.

A Notice of Violation is included based on a violation of 10 CFR Part 50, Appendix B, Criterion III, "Design Control," because the licensee failed to ensure that design control measures provided for verifying or checking the adequacy of the design when Calvert Cliffs modified the on-site electrical distribution design by installing a new 1A EDG in 1996. Specifically, calculation D-E-94-001, dated August 26, 1994, did not account for all the loads that can simultaneously start after an undervoltage event when establishing the short-term over-current trip setting for electrical circuit breaker 1MCC123, the electrical supply for the 1A EDG support systems. In addition, neither adequate design reviews, alternate calculations, nor suitable testing was done to identify that the over-current trip setting was incorrect.

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	October 27, 2006
Telephone Notification of Licensee	October 27, 2006

The State of Maryland will be notified.

The licensee has 30 days from the date of the letter in which to respond.

**Contacts:** Leigh Trocine, OE, 301-415-2319 David Solorio, OE, 301-415-2741

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

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

EN-06-052

-2-

Distribution:

<u>OWFN</u>	<u>OWFN</u>	<u>TWFN</u>	<u>Regional Offices</u>	
Chairman Klein	EDO	OCFO	RI	RII
Comm. McGaffigan	DEDR	OP CENTER	RIII	RIV
Comm. Merrifield	DEDMRS	NMSS		
Comm. Jaczko	OE	OIG		
Comm. Lyons	OGC	OCIO	<u>MAIL</u>	
SECY	NRR	RES	ADAMS	
OCA	NSIR	ACRS		
PA	OI			
IP	STP			

File Name: C:\FileNet\ML062960413.wpd  
ADAMS **ML062960413**

OE:ES	OE:SC
LTrocine	DSolorio
10/23/06	10/24/06

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