



October 6, 2011

NRC Operations Center
FAX (301) 816-5151

Subject: 10 CFR PART 21 NOTIFICATION OF DEFECTIVE MOORE 535 CONTROLLERS

Information Contact: Ray Chalifoux ATC Nuclear 865 384 0124

This notification is in accordance with U.S. Nuclear Regulatory Regulation 10 CFR 21.21(a)(3)(ii)(b).

Exelon Corporation Clinton and LaSalle Stations have identified common mode failures associated with Moore 535 Controllers (Part Number 535-00000HOST-SSTRV) provided through ATC Nuclear Tennessee. These items were provided as safety related components to Exelon under Clinton Purchase Order 00461980 and LaSalle Purchase Order 00462363. All safety related failures to date appear to originate from these specific purchase orders. The failures have been evaluated with the original equipment manufacturer and appear to be isolated to controllers containing a main processor board containing "Revision F" labeling manufactured in early 2010 (Date Code 1310). These items all passed an extended burn-in during testing. The failures may manifest themselves as process variable (PV) drift, controller reset with loss of controller function, or create nuisance alarm conditions after a relatively short period (<1 year) following installation.

The affected safety related orders as currently known are:

Exelon Clinton Purchase Order 00461980	Moore Serial Numbers	Exelon LaSalle Purchase Order 00462363	Moore Serial Numbers
	2136455		2142115
	2136449		2142116
	2136458		2142117
	2136456		2146032
	2136422		2146033
	2136451		
	2136457		
	2136454		
	2136453		
	2136450		
	2136460		
	2136459		

Because the end-use application of each item is not known by ATC Nuclear, the safety hazard evaluation has been deferred to the customer. The Licensees above have been formally notified of the defect.

Sincerely,

Greg Hott
President, ATC Nuclear

JE19
NRC

Part 21 (PAR)

Event # 47326

Rep Org: ATC NUCLEAR	Notification Date / Time: 10/06/2011 13:35 (EDT)		
Supplier: MOORE CONTROLLERS	Event Date / Time: 10/06/2011 (EDT)		
	Last Modification: 10/06/2011		
Region: 1	Docket #:		
City: OAK RIDGE	Agreement State:	Yes	
County:	License #:		
State: TN			
NRC Notified by: GREG HOTT	Notifications: MONTE PHILLIPS	R3DO	
HQ Ops Officer: BILL HUFFMAN	PART 21 GROUP	E-MAIL	
Emergency Class: NON EMERGENCY			
10 CFR Section:			
21.21	UNSPECIFIED PARAGRAPH		

PART 21 NOTIFICATION CONCERNING MOORE PROCESS CONTROLLERS

The following information was received from ATC Nuclear via facsimile:

"This notification is in accordance with U.S. Nuclear Regulatory Regulation 10 CFR 21.21(a)(3)(ii)(b).

"Exelon Corporation Clinton and LaSalle Stations have identified common mode failures associated with Moore 535 Controllers (Part Number 535-000000HOST-SSTRV) provided through ATC Nuclear Tennessee. These items were provided as safety related components to Exelon under Clinton Purchase Order 00461980 and LaSalle Purchase Order 00462363. All safety related failures to date appear to originate from these specific purchase orders. The failures have been evaluated with the original equipment manufacturer and appear to be isolated to controllers containing a main processor board containing "Revision F" labeling manufactured in early 2010 (Date Code 1310). These items all passed an extended burn-in during testing. The failures may manifest themselves as process variable (PV) drift, controller reset with loss of controller function, or create nuisance alarm conditions after a relatively short period (less than 1 year) following installation.

"Because the end-use application of each item is not known by ATC Nuclear, the safety hazard evaluation has been deferred to the customer. The Licensees above have been formally notified of the defect."
