

Part 21 (PAR)

Event # 47567

Rep Org: ATC NUCLEAR Supplier: ATC NUCLEAR	Notification Date / Time: 01/03/2012 16:19 (EST) Event Date / Time: 01/02/2012 07:00 (EST) Last Modification: 01/03/2012
Region: 1 City: OAK RIDGE County: State: TN	Docket #: Agreement State: Yes License #:
NRC Notified by: R.A.CHALIFOUX HQ Ops Officer: JOE O'HARA Emergency Class: NON EMERGENCY 10 CFR Section: 21.21 UNSPECIFIED PARAGRAPH	Notifications: DANIEL HOLODY R1DO DAVID AYRES R2DO PART 21 GRP EMAIL

PART 21 REPORT - DEFECTIVE 48 VOLT DC SAFETY RELATED POWER SUPPLIES

The following was received via fax:

"ATC Nuclear has identified a design defect associated with power supplies provided through ATC Nuclear, Schenectady, NY. The defect was identified during Failure Mode Analysis following return of one of the units from the customer. The 48 VDC Power Supplies, PIN DA265A1879P00/ST were provided as safety related components to Entergy's Pilgrim Station under Purchase Orders 10240621, 10282296 and 10308991. Entergy's Pilgrim Station is currently the only station in possession of these items. The failures are exhibited as a spurious overvoltage shutdown condition when power is applied or a spurious overvoltage shutdown condition if the overvoltage circuit becomes contaminated with particulate or other material. The design defect is related to the specific silicon control rectifier used in the over voltage protection circuit. An extent of condition review is ongoing to determine if other power supplies provided under these three purchase orders are affected. Currently none of the other power supplies provided have exhibited this condition.

"The affected serial numbers are: 90922-1, 90922-2, 90922-3, 91013-1, 91013-2, 91013-3 under purchase orders 10240621 and 10282296.

"The affected serial numbers are: 110512-1, 110512-2, 110512-3, 110512-4, 110512-5 under purchase orders 10308991.

"ATC does not have sufficient information to evaluate the safety significance of the defect because the quantities and locations of the power supplies currently in use is not known.

"Information Contact: Ray Chalifoux ATC Nuclear (865) 384-0124."

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Part 21 (PAR)

Event # 47567



January 2, 2012

NRC Operations Center
FAX (301) 816-5151

Subject: 10 CFR PART 21 NOTIFICATION OF DEFECTIVE POWER SUPPLIES

To whom this may concern:

This notification is in accordance with U.S. Nuclear Regulatory Regulation 10 CFR 21

ATC Nuclear has identified a design defect associated with power supplies provided through ATC Nuclear, Schenectady, NY. The defect was identified during Failure Mode Analysis following return of one of the units from the customer. The 48 VDC Power Supplies, P/N DA265A1879P001/ST were provided as safety related components to Entergy's Pilgrim Station under Purchase Orders 10240621, 10282296 and 10308991. Entergy's Pilgrim Station is currently the only station in possession of these items. The failures are exhibited as a spurious overvoltage shutdown condition when power is applied or a spurious overvoltage shutdown condition if the overvoltage circuit becomes contaminated with particulate or other material. The design defect is related to the specific silicon control rectifier used in the over voltage protection circuit. An extent of condition review is ongoing to determine if other power supplies provided under these three purchase orders are affected. Currently none of the other power supplies provided have exhibited this condition.

The affected serial numbers are:

Entergy - Pilgrim Purchase Order 10240621 and 10282296	Serial Numbers	Entergy - Pilgrim Purchase Order 10308991	Serial Numbers
	90922-1		110512-1
	90922-2		110512-2
	90922-3		110512-3
	91013-1		110512-4
	91013-2		110512-5
	91013-3		

ATC does not have sufficient information to evaluate the safety significance of the defect because the quantities and locations of the power supplies currently in use is not known.

Information Contact: Ray Chalifoux ATC Nuclear 865 384 0124

Sincerely,

R. A. Chalifoux

Vice President QA, ATC Nuclear