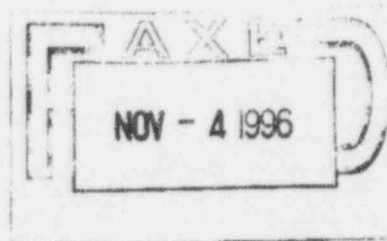


**ENGINE SYSTEMS, INC.**

50-219



1220 South Washington St.
Rocky Mount, NC 27801
Phone: (919) 977-2720
Fax: (919) 446-1134

TELEFAX

DATE: November 4, 1996
COMPANY: Office of Nuclear Reactor Regulation
FAX NUMBER: 301/415-1887
ATTENTION: Vern Hodge
REFERENCE: Report 10CFR21-0074
FROM: Michael Nuding

Dear Sir:

Attached is our report 10CFR21-0074 for a 10CFR21 reportable defect with four excitation contactors (EMD #9562575) supplied by ESI to GPU nuclear. GPU is the only user affected by this notification.

Should you have any questions, please let us know.

Sincerely,

Engine Systems, Inc.

Michael Nuding

Michael Nuding,
Manager, Quality Assurance

9611060282 961104
PDR ADOCK 05000219 PDR
S

1/1
IE 19

Report No. 10CFR21-0074
NOVEMBER, 4, 1996


10CFR21 REPORTING OF DEFECTS
AND NON-COMPLIANCE

COMPONENT: "EXC" Contactor, EMD #9562575

SYSTEM: EMD MP-45 diesel generator control systems

CONCLUSION: Defect is Reportable in Accordance with 10CFR21

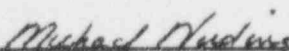
PREPARED BY:


Donald D. Galeazzi
Engineering Manager

DATE:

11/4/96

REVIEWED BY:


Michael Nuding
General Manager, Quality Assurance

DATE:

Nov 4, 1996

REPORT NO. 10CFR21-0074
PAGE: 1 OF 2

SUMMARY

Engine Systems, Inc. (ESI) received notification on 10/22/96 from GPU Nuclear about problems with EMD contactor #9562575. ESI had further discussions with GPU (Mr. John Rogers) on 11/4/96. The problems reported by GPU are as follows:

1. A wire jumper was installed between one of the contactor coil terminals and one of the contactor auxiliary contact terminals. This jumper is normally supplied with the contactor from EMD; however, it is not required for the wiring configuration in the GPU diesel generator control system. If left connected on the contactor when installed in the GPU control system, a short circuit is created in the DC control power supply when the contactor is energized (causing the auxiliary contact to close). This condition was present on all four of the contactors supplied by ESI.
2. The connection of the stationary contact arm on the auxiliary contact block was loose. This condition was present on two of the four contactors supplied by ESI.

The contactor is designated "EXC" (excitation contactor) and is energized to provide excitation to the generator.

COMPONENT

EMD contactor #9562575.

CUSTOMERS AFFECTED:

GPU Nuclear, Oyster Creek is the only user of this contactor is nuclear safety related service.

DEFECT

1. A wire jumper was installed between one of the contactor coil terminals and one of the contactor auxiliary contact terminals. This jumper is normally supplied with the contactor from EMD; however, it is not required for the wiring configuration in the GPU diesel generator control system. If left connected on the contactor when installed in the GPU control system, a short circuit is created in the DC control power supply when the contactor is energized (causing the auxiliary contact to close). This condition was present on all four of the contactors supplied by ESI.
2. The connection of the stationary contact arm on the auxiliary contact block was loose. This condition was present on two of the four contactors supplied by ESI.

REPORT NO. 10CFR21-0074
PAGE: 2 OF 2

CORRECTIVE ACTION

1. GPU has removed the jumper and tightened the connection screws of the auxiliary contact station arm on all four contactors.
2. ESI has revised the component dedication report to require removal of the jumper and to require checking the auxiliary contact arm screws for tightness.

GPU is the only user affected by this notification. All contactors supplied to GPU have been corrected; therefore, no further corrective action is required.