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AUTH.NAME AUTHOR AFFILIATION
 GUNTRUM, B.C. Cooper Industries, Inc.
 RECIP.NAME RECIPIENT AFFILIATION
 Office of Nuclear Reactor Regulation, Director (Post 870411)

SUBJECT: Amend 1 to Part 21 Rept 158 re gear-wear induced failures in engine-driven jacket water pump in DSRV-16-4 standby DG sys. Initially reported on 911029. Grand Gulf station observed wear characteristics in as little as 500 operating hours.

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NOTES: Application for permit renewal filed. 05000400
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Cooper Energy Services

June 26, 1992

Director of Nuclear Reactor Regulations
Nuclear Regulatory Commission
Mail Station P1-137
Washington, D.C. 20555

Report #158
Amendment No. 1

Dear Sir:

On October 29, 1991 Cooper Industries notified the Commission of a potential defect in a component of a DSRV-16-4 Standby diesel Generator System. Specifically, there is a potential problem with the driven gear for the Engine-Driven Jacket Water Pump.

We noted in that letter, that gear wear induced failures had occurred at approximately 1,500 operating hours.

The purpose of this letter is to inform the Commission that one of the affected sites (ENTERGY, Grand Gulf Nuclear Station) has observed the same wear characteristics in as little as 500 operating hours.

Additionally, we identified the gear carrier assembly as part number 1A-6114. Through additional investigation, the subject gear (part number 02-425-03-AB) is also part of another gear carrier assembly, part number 1A-6664.

Our letter of October 29, 1991 identified preventative action taken as well as our recommendation for corrective action for the individual sites. This recommended action shall be applicable to assembly part number 1A-6664 as well.

A copy of this letter will be forwarded to the affected sites identified in our original notification.

Sincerely

Bruce C. Guntrum
Manager, Quality Assurance

BCG:dg 70040

cc: (see attached)

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U.S. Nuclear Regulatory Commission Report
cc:

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Attention: Department Manager

Carolina Power and Light Co.
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Attention: Mr. C.S. Hinnant
Plant General Manager

Carolina Power and Light Co.
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Attention: R.A. Watson
Sr. Vice President

Carolina Power and Light Co.
Shearon Harris Nuclear Project
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Attention: S.D. Floyd
Manager of Nuclear Licensing

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Shearon Harris Nuclear Project
P.O. Box 165
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Attention: Mr. O.C. Olexik
Manager of Regulatory Compliance

Carolina Power and Light Co.
Shearon Harris Nuclear Plant
P.O. Box 165
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Attention: Jerry R. Cribb
Manager, Quality Control

Cleveland Electric Illuminating
Perry Nuclear Power Plant
P.O. Box 97
Perry, OH 44081
Attention: M. Lister

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$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

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cc:

Cleveland Electric Illuminating
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Perry, OH 44081
Attention: Russell J. Tadych,
Manager, Quality Control

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Attention: Harold M. Coon

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Attention: W.T. Robertson,
Vice President, Procurement

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Port Gibson, MS 39150
Attention: Fred Titus
Director, Nuclear Plant Engineering

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P.O. Box 756
Port Gibson, MS 39150
Attention: C.R. Hutchinson
General Manager, SERI

Entergy
P.O. Box 756
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Attention: Vice President, Nuclear Operations

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Manager, Nuclear Experience Review

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Attention: Tim Chan

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Attention: W.F. Adcock LP4F-C

Texas Utilities Electric
400 North Olive Street, L.B. 81
Dallas, TX 75201
Attention: W.J. Cahill,
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P.O. Box 460
Richland, WA 99352
Attention: Mr. L.C. Oakes
Manager, WNP-1 Engineer

