



COOPER-BESSEMER COMPANY

July 25, 1976

Office of Inspection and Enforcement
- U. S. Nuclear Regulatory Commission
3 Washington, D. C. 20555

Attn: Director of Inspection and Enforcements

Gentlemen:

In accordance with 10CFR Part 21, this letter will provide notification of a defect that has been determined to exist in two emergency standby diesel-generator sets supplied to Ebasco Services, Incorporated, New York, N. Y. for Louisiana Power and Light Company's Waterford Nuclear Station #3 at Taft, Louisiana.

The defect exists in the two shafts which drive the engine speed control governor and the engine overspeed shutdown governor on each engine. The splined driven end of the shafts was manufactured two inches longer than required by design specification. The additional length causes the shaft spline to misalign with the splined drive bushing, resulting in marginal engagement of the splined surfaces.

The diesel-generator units are not operational at this time, so there is no actual safety hazard created by the defect. If the units were operational and the shafts were to fail, following would be the consequences:

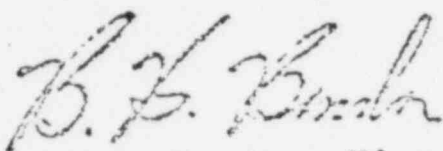
Overspeed Shutdown Governor shaft failure, only - The unit would continue to operate normally, but would lose overspeed protection.

Speed Control Governor shaft failure, only - The unit speed would rapidly proceed to overspeed, at which point the Overspeed Governor would effect a shutdown of the unit.

Simultaneous failure of both shafts - The unit speed would rapidly increase out of control until a mechanical failure occurred, placing the unit out of service.

The equipment identified in this letter is the only equipment known to be delivered to a nuclear facility by C.E.S. that contains the defect described.

The C.E.S. Customer Services Department is responsible for replacement of the shafts. Replacement will be completed by September 30, 1978.



B. B. Bender, Vice-President
Operations

BBB/jvl

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