



Gilbert/Commonwealth engineers and consultants

GILBERT ASSOCIATES, INC., P. O. Box 1498, Reading, PA 19603/Tel. 215-775-2600/Cable Gilasoc/Telex 836-431

July 27, 1983

W.F. SAILER
General Manager
Quality Assurance Division.

United States Nuclear Regulatory Commission
Office of Inspection and Enforcement
Washington, DC 20555

Attention: Mr. R. C. DeYoung

Re: Reportable Event
Diesel Generator
Exhaust Piping

Dear Mr. DeYoung:

This documents my telephone report under the provisions of 10CFR21 to Mr. R. Baer on July 27, 1983, at approximately 2:00 p.m.

Individual Who Reported

Mr. William F. Sailer, General Manager, Quality Assurance Division - Gilbert Associates.

Facility Involved

Perry Nuclear Power Plant Units 1 and 2 under construction by the Cleveland Electric Illuminating Company.

Activity/Component Involved

Design of the Standby and HPCS Diesel Generators.

Nature of the Defect

The exhaust piping, as designed, would create back pressure in excess of the manufacturers maximum allowable. If the emergency diesel generators are loaded beyond 75 percent of the 7,000 KW rating, diesel exhaust pressure will exceed 12 inches W.G. This back pressure will cause rapid decrease in engine performance, to the point where the engine will stall at 16 inches W.G. This could prevent the diesels from performing their safety function.

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PDR ADOCK 05000440
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Principal Offices

525 Lancaster Avenue, Reading, PA/Morgantown Road, Green Hills, Reading, PA 215 775-2600
209 East Washington Avenue, Jackson, MI 517 788-3000/One Exchange Place, Suite 1003, Jersey City, NJ 201 451-5220

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Mr. R. C. DeYoung
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Date Information Obtained

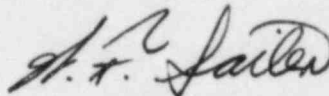
The QAD General Manager was informed on July 25, 1983, of the reportability of this item.

Corrective Action

Gilbert/Commonwealth is currently investigating several alternative remedies to resolve this problem. We have determined that the problem is limited to the Perry Plant. The corrective action will be completed prior to final testing of the system.

If you require any further information, please contact me at (215)775-2600, Extension 7543.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'W. F. Sailer', is written over the typed name.

W. F. Sailer
General Manager
Quality Assurance Division

WFS:kb

cc: H. Lorenz
T. M. Demers
R. C. Young - 2
U. Potapovs - NRC Region IV
Document Management Branch