

PART 21 IDENTIFICATION NO. 80-259-000 COMPANY NAME MDA Scientific, Inc

DATE OF LETTER 7/20/80 DOCKET NO. 50-528; 50-352

DATE DISTRIBUTED 7/28/80 ORIGINAL REPORT SUPPLEMENTARY

DISTRIBUTION:

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VENDOR BR. R-IV

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LOEB / MPA MNB 5715

NMSS / FCMS SS-396

NRR/DOL

AEOD MNB 7602

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ACTION:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOWUP AS SHOWN BELOW:

IE

NRR

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OTHER

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MDA SCIENTIFIC, INC.

1815 Elmdale Avenue • Glenview, Illinois 60025 • 312/998-1600 Telex: 72-6399 MDA-PRID

July 20, 1980

*sent to X005
7-23-80*

80-259-000

Mr. James G. Keppler, Director, Region III
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: Reporting of potential deficiency in accordance with Paragraph
21.21 of the Federal Register 10 CFR 21

Reported By: MDA Scientific, Inc.
1815 Elmdale Avenue
Glenview, IL 60025
Byron A. Denenberg, President and C.O.O.
Donald L. Gutman, Quality Assurance Manager

Supplied To: Bechtel Power Corporation
Arizona Public Service
Palo Verde Project
The Philadelphia Electric Company
Limerick Project

Components: Supplied by: Dwyer Instrument
Michigan City, IN
0" - 1" W. G. Minitactor Pressure Switch

Gentlemen:

In order to comply with Section 206 of the Energy Reorganization Act of 1974,
the following information is submitted:

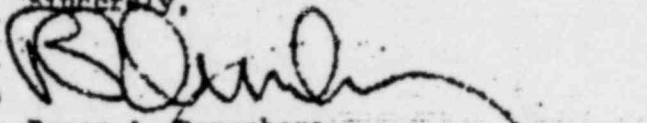
1. MDA Scientific supplies a toxic gas monitor for chlorine to meet U. S. NRC Guide 1.95.
2. Included as a component in this instrument is 0" - 1" W. G. pressure switch.
3. The pressure switch is considered safety related.
4. The chlorine monitor has been environmentally and seismically tested in accordance with IEEE 323-74 and 344-75 utilizing Dwyer Instruments pressure switch.

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5. The above testing was completed in July of 1979, without incident in regard to pressure switch functional failure.
6. In November of 1979, four (4) units were shipped to the Limerick jobsite, and December of 1979, four (4) units were shipped to the Palo Verde jobsite, with these pressure switches installed and functioning.
7. The remaining pressure switches of a (50) piece order was placed in MDA stock for future use.
8. In March of 1980, four (4) pressure switches were requisitioned from stock for use. Two (2) of the four (4) switches failed to perform a repetitive functional test prior to installation. The remaining stock was requisitioned by Quality Control for testing, and seven (7) additional switches failed cyclic testing. The rejection rate was not significant and the switches were returned to stock.
9. Approximately thirty (30) days later, the switches were removed from stock by Quality Control and retested. Five (5) of the remaining switches failed cyclic test. The rejection rate became significant and the remaining stock was removed to a non-conforming area and all projects involved were notified.
10. Dwyer Instruments, Inc. was notified of the potential defect and a failure analysis was requested.
11. Dwyer is to provide failure analysis as soon as available.
12. Corrective action implemented to prevent the use of these switches by MDA Scientific is as follows:
 - a. The Bechtel Palo Verde and Limerick projects have been notified and the potential defect identified.
 - b. All pressure switches (Dwyer) have been returned to the manufacturer.
 - c. A new pressure switch, with a 0 - .5 W. G. activation point has been purchased from Fairchild, Long Island, New York.
 - d. Cyclic testing has been completed by MDA Scientific of the switches and are acceptable.
 - e. The Fairchild pressure switch shall be qualified by Wyle Laboratories, Norco, California.
 - f. On completion and qualification of the Fairchild switch, both Bechtel projects will be notified with instructions for replacement of these components.

If additional information is required, we may be contacted between 8:30 a.m.
and 5:00 p.m. at 312/998-1600.

Sincerely,



Byron A. Dencenberg,
President and Chief Operating Officer



Donald L. Gutman,
Quality Assurance Manager

DLG/dn

cc: Nuclear File