



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

October 16, 1996

Mr. Howard E. Houserman
General Manager
Zetec, Incorporated
1370 NW Mall Street
Post Office Box 140
Issaquah, WA 98027-0140

SUBJECT: NPC INSPECTION REPORT 99901037/96-01

Dear Mr. Houserman:

On July 18, 1996, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Zetec, Incorporated (Zetec). The enclosed report presents the results of that inspection.

The NRC inspection team evaluated the measures that you have established for controlling your Company's Eddynet[®] computer software, which is widely used for nondestructive examination, acquisition, and analysis of nuclear power plant steam generator tubing, and concluded overall, that Zetec has a satisfactorily controlled software development and software validation program. The team observed strengths in Zetec's control associated with its Eddynet software, such as employee involvement, employee communication, proactive solicitation and disposition of potential issues from your software customers, and an overall sense of ownership and pride noted in your employees' demeanor.

However, some weaknesses were identified, as discussed herein, regarding Zetec's control of its Eddynet software relative to commercial industry acceptable guidance. Additionally, the inspectors determined that the implementation of one aspect of your quality assurance program failed to meet certain NRC requirements contractually imposed on you by your customers. Specifically, one of your activities relative to the quality of safety-related activities was not delineated in written instructions or procedures as required by 10 CFR Part 50, Appendix B. This nonconformance is cited in the enclosed Notice of Nonconformance (NON), and the circumstances surrounding it are described in detail in the enclosed report. You are requested to respond to the nonconformance and to follow the instructions specified in the enclosed NON when preparing your response.

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¹ Eddynet is a registered trademark of Zetec, Inc.

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H. E. Houserman

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In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be placed in the NRC's Public Document Room (PDR).

Sincerely,

[Original Signed by]

Robert M. Gallo, Chief
Special Inspection Branch
Division of Inspection and Support Programs
Office of Nuclear Reactor Regulation

Docket No. 99901037

Enclosures: 1. Notice of Nonconformance
2. Inspection Report 99901037/96-01

cc: Mr. Stephen H. von Fuchs
Zetec, Incorporated
Post Office Box 140
Issaquah, Washington 98027-0140

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Docket No. 99901037

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cc: Mr. Stephen H. von Fuchs
Quality Assurance Manager
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1370 NW Mall Street
Post Office Box 140
Issaquah, Washington 98027-0140

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** See fax copy concurrence.

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