January 11, 1994
G-1151-JMK-93-006

Document Control Desk
United States Nuclear Regulatory Commission
Washington, D.C. 20555

BOEING

Reference: a) Boeing Letter G-1551-RSO-365 dated August 31, 1992;
R. S. Orr to the NRC Operations Center

b) NRC Letter Docket No. 99901227 dated August 12,
1992; L. J. Norrholm to R. S. Orr; Subject: Response to
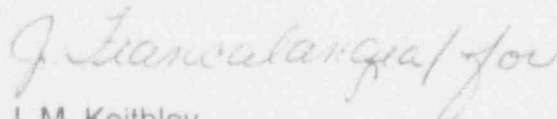10 CFR 21 Inquiry

Dear Sir or Madam:

In accordance with the reference correspondence and 10 CFR 21, Boeing is
sending the NRC the attached error notice(s) received from our former
software suppliers. Because of unknown current addresses, the following
former customers were not notified:

Reactor Controls, Inc.

Echo Energy Consultants, Inc.

Nuclear Applications and Systems Analysis Company (Japan)

Nuclear Power Services

URS/John A. Blume & Associates

Error notices have been sent to our other former customers.

Very truly yours,

J. M. Keithley
Nuclear Administrator
G-1151 M/S 7A-33
(206) 865-4438

Attachment(s): GTICES Program Error Report No. 94.01

Georgia Tech

GT STRUDL

January 6, 1994

Attention: Nuclear Administrator
Boeing Computer Services
P.O.Box 24346, M/S 7A-33
Seattle, Washington 98124-0346

RE: GT STRUDL

Dear Sir or Madam:

Enclosed please find a copy of the GTICES PROGRAM REPORT FORM No. 94.01 and a VENDOR ACKNOWLEDGEMENT FORM. Please sign and return the VENDOR ACKNOWLEDGEMENT FORM to acknowledge receipt of the GTICES Program Report.

Thank you for reviewing the Program Report and for returning the Acknowledgement Form.

Best regards,
GTICES Systems Laboratory

Catherine Lee
Configuration Control Manager

CL/apw
Enclosures

GTSTRUDL Vendor Acknowledgement Form

In order to comply with the GTSTRUDL Quality Assurance Program and Procedures for safety related applications, we ask that you complete, sign and return this form in the enclosed, stamped envelope within 10 days of this date, January 10, 1994, acknowledging that you have received the following materials:

_____ GTSTRUDL Quality Assuance Program and Procedures Manual,
Revision _____ Document Control Number _____

__X__ GTISL Program Report GPRF No. __94.01_____

_____ GTSTRUDL Version _____

_____ GTSTRUDL User's Manual Update
Volume _____ Revision _____

_____ GTSTRUDL Release Guide, Version _____

_____ GTSTRUDL Installation and Operation Guide
Version _____

_____ Verification Letter for
GTSTRUDL Version _____

_____ Verification input and output for
GTSTRUDL Version _____

_____ Verification Manual for
GTSTRUDL Version _____

_____ _____

Reply to: Configuration Control Manager
                        GTICES Systems laboratory
                        Georgia Institute of Technology
                        Atlanta, Georgia 30332-0355

(Please sign)

_____
Receipt Acknowledgement, (Signature)

_____
Typed Name

_____
(Title)

_____
(Organization)

_____
(Address)

_____
(Date)

GPRF No.: _94.01_

DATE: _1/5/94_

FROM: GTICES SYSTEMS LABORATORY
           GEORGIA INSTITUTE OF TECHNOLOGY
           ATLANTA, GEORGIA 30332-0355

SEVERITY LEVEL:

_X_ URGENT   Problem results in incorrect answers which may not be apparent or
                    job aborts and cannot be recovered within the session or job.

___ SERIOUS   Problem results in incorrect answers which are obvious or problem
                    prevents completion of a particular user's task

___ MINOR   Problem can be worked around or problem poses high frustration
                    factor.

___ INFORMATIVE   Documentation error, program usage tip, user inconveniences.

DATE PROBLEM CONFIRMED __January 5, 1994_____

DATE NOTIFICATION SENT ___1/7/94_____

COMPUTERS ___All_____

OPERATING SYSTEM _All_____

GTISL PRODUCT NAME __GTSTRUDL_____

VERSION __All versions prior to and including 93.01._____

TARGET RELEASE FOR CORRECTION __94.01_____

GPRF No.: _94.01_

DATE: _1/5/94_

DESCRIPTION:

The use of nonlinear plane truss elements in any gl[ ].l plane other than the global X-Y plane will produce structural instabilities or other incorrect results from a nonlinear analysis. The fact that incorrect results are produced may be very difficult to detect.

If it is necessary to use nonlinear plane truss elements for a nonlinear analysis, use the default global X-Y plane model only.

Applicable User's Manual Sections:

Section 2.1.5.2.2, Vol. 1, The TYPE Command for Members
Section 2.5, Vol. 3, Nonlinear Static Analysis

Michael H. Swanger
Signature
Software R&D Division

Mgr. ASD
Title

Michael H. Swanger
Typed or Printed Name

January 5, 1994
Date of Signature

Lawrence F Kahn
Signature
Professional Services Division

Director Prof. Services
Title

Lawrence F Kahn
Typed or Printed Name

5 Jan 94
Date of Signature

Rev 2.1