June 10, 1998
G-1151-SJA-98-288

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

BOEING

Reference: a)   Boeing Letter G-1151-RSO-92-365 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:
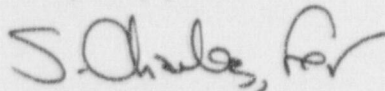
Reactor Controls, Inc.

Echo Energy Consultants, Inc.

Nuclear Applications and Systems Analysis Company (Japan)

Nuclear Power Services

Error notices have been sent to our other former customers.

Very truly yours,

S. Charles, for

Sandra J. Andrews
Nuclear Administrator
Phone: (425) 865-6248
FAX: (425) 865-4851
Mail Stop: 7A-33, or
e-mail: Sandra.J.Andrews@Boeing.com

Enclosure(s):   GTSTRUDL Program report form 98.08

1/1

IE20

ID+R-13
Vendor
Insp

May 29, 1998

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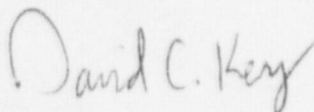Seattle, Washington 98124-0346

RE: GT STRUDL

Dear Sir or Madam:

Enclosed please find copies of GTSTRUDL PROGRAM REPORT FORM 98.08, and a GTSTRUDL
QA CUSTOMER ACKNOWLEDGEMENT FORM. Please sign and return the GTSTRUDL QA
CUSTOMER ACKNOWLEDGEMENT FORM to acknowledge receipt of the GTSTRUDL Program
Report.

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

Best regards,
CASE Center

David C. Key
Configuration Control Manager

Enclosures

Computer Aided Structural Engineering Center
School of Civil & Environmental Engineering
Atlanta, Georgia 30332-0355 USA

Phone: (404) 894-2260
Fax: (404) 894-8014
casec@ce.gatech.edu

A Unit of the University System of Georgia

GTSTRUDL Program Report Form

GPRF No.: __98.08__

DATE: __5/26/98__

FROM: Computer-Aided Structural Engineering Center
Georgia Institute of Technology
Atlanta, Georgia 30332-0355

SEVERITY LEVEL:

_ 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.

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

Date Problem Confirmed __May 26, 1998__

Date Notification Sent __5/29/98__

Computers __All__

Operating System __All__

Versions: __All__

Target Release for Correction: __9801 NT Verification Manual__

Kenneth Will   _Director, R & D_
Signature   Title
R & D Division

Kenneth Will   _5/27/98_
Typed or Printed Name   Date of Signature

David C. Key   _Configuration Control Manager_
Signature   Title
Professional Services Division

David C. Key   _5/29/98_
Typed or Printed Name   Date of Signature

Rev. 2.2

DESCRIPTION:

There were several errors discovered in the GTSTRUDL Verification Manual in the course of a recent review. These issues are as follows:

1. In VDY11, the second equation on page 3.11-1 is missing the minus sign in front of the 'e'.
2. In the problem description for VRC05, the GTSTRUDL design matched the Reference design, except that the problem description should have stated 100 k-ft and 80 k-ft instead of 100 k-in and 80 k-in. The actual run used the proper units, only the manual is incorrect.
3. For VTA15, some of the values listed in the tables have their values switched. The formulas specified on page 8.15-3 and 8.15-4 are incorrect for iy iz sy sz ry rz, causing the values for y and z to be reversed in the table on pages 8.15-5 and 8.15-6. The correct formulas were used to create the properties in the GTSTRUDL tables, only the manual is incorrect.