Boeing Computer Services
P.O. Box 24346
Seattle, WA 98124-0346

March 15, 1994
G-1151-RSO-94-074

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. Norrhoim 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,

J. Iancalanza/fpe

R. S. Orr
Nuclear Administrator
G-1151 M/S 7A-33
(206) 865-6248

Attachment(s): GTICES Program Report Form No. 94.06

IE20
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GTISL Program Report Form

GPRF No.: 94.06

DATE: Mar 9 1994

FROM: GTICES SYSTEMS LABORATORY
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.

__ INFORMATIVE — Documentation error, program usage tip, user inconveniences.

DATE PROBLEM CONFIRMED 3/1/94

DATE NOTIFICATION SENT 3/10/94

COMPUTERS All

OPERATING SYSTEM All

GTISL PRODUCT NAME GTSTRUDL

VERSION All versions prior to and including 93.01 and 94.01 HP

TARGET RELEASE FOR CORRECTION 94.01 on all machines except HP

GTISL Program Report Form
(Continued)

GPRF No.: 94.06

DATE: March 9, 1994

DESCRIPTION:

See attached sheet entitled "Current Element with Loads"

Kenneth Will — Signature
Software R&D Division

Director, ASD — Title

Kenneth Will — Typed or Printed Name

3/8/94 — Date of Signature

Lawrence Kahn — Signature
Professional Services Division

Director Professional Services — Title

Lawrence Kahn — Typed or Printed Name

3/8/94 — Date of Signature

Rev 2.1

GPRF No. 94.06

CURVED ELEMENT WITH LOADS

A model which contains curved elements mixed with members or finite elements and which has loads applied to the curved element may produce incorrect results. If the curved element has MEMBER LOADS, the user can verify if this problem has occurred by summing the reactions (LIST SUM REACTIONS) and comparing the results with hand calculations. If the curved element has MEMBER TEMPERATURE LOADS, the user must determine if the magnitude of the displacements and forces is correct.

Workaround:

To avoid this problem, move all references to the curved elements in the input (INCIDENCES, CURVED ELEMENT SPECS, CONSTANTS, ...etc) to a location in the input after the incidences for all members and finite elements have been generated for the model.

Applicable Sections of the User Manual:

Curved Elements - Section 2.6.2 and all subsections, Volume 3 of the User Manual.