PHI-DELTA, INC.
89 Summer Street, Marshfield, MA 02050 781-834-5279 fax 781-834-5281

December 24, 2007

Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

Subject: Error Notification

Dear Sir/Madam:

Per Part 21, "Reporting of Defects and Noncompliance", and per our in-house Quality Assurance Procedures, enclosed please find Phi-Delta, Inc. (PD STRUDL) BER Report Nos. B6.0-101, B6.0-103 and B6.0-105.

PD STRUDL is a software program that is used by many Architectural and Engineering (A&E) firms and electrical utilities for the Analysis and/or Design of structural components in a nuclear power plant.

We have already notified all our known users of the error.

Please note that the signed Certified Mail Receipt will be used as the acknowledgement that you have received this notice.

Should you have any questions or need more clarification, please do not hesitate to contact this office, Via Phone (781) 834-5279, or via Fax (781) 834-5281 or via E-Mail at PHIDELTA10@AOL.com.

Thank you.

Sincerely,

Som P. Vish / for WSH

Wassim S. Habib
QA Manager
Phi-Delta, Inc.

wsh/emf/QA

encl.

IE19

PHI-DELTA BUG/ENHANCEMENT/ERROR REPORT
(BER)

BER REPORT NO. **B6.0-101**

APPLICABLE PROGRAM PRODUCT:

PD STRUDL _____ E/PD STRUDL _____ OTHER _____ ALL: **X**

REPORTER: **PD, WSH** _____ DATE: **12/19/2007**

RECORDER: **PD, SPV**_____ DATE: **12/19/2007**
PLATFORMS AFFECTED: ALL: **X** IBM: ___ VAX: ___ PC: ___

OTHER (IBM RISC, SGI): _____

VERSION(S) AFFECTED: **1980 Onwards**
(if an enhancement, complete at time of release)

DESCRIPTION:
For the following Steel CHANNEL Sections, shear center eccentricity (EZ) was incorrectly stored in the tables and used by STRUDL:

a) **STEELMC – 1969 onwards**
b) **STEELMC1 – Customized version of 1969 STEELMC tables, applicable only to one costumer. The affected customer is notified through the cover letter accompanying this BER.**
c) **STEELC – 1980 & 1989**

The EZ value stored in the tables and used by STRUDL was always smaller than the correct value. The bug has been corrected in Version V0707.

IF A BUG,

LEVEL # **4**
SIGNATURE _____ DATE: **12/26/2007**

CONDITIONS UNDER WHICH IT OCCURS:

None

CIRCUMVENTIONS, IF ANY:

None

PHI-DELTA BUG/ENHANCEMENT/ERROR REPORT
(BER)

BER REPORT NO. **B6.0-103**

APPLICABLE PROGRAM PRODUCT:

PD STRUDL _____ E/PD STRUDL _____ OTHER _____ ALL: **X**

REPORTER: **PD, WSH** _____ DATE: **12/20/2007**

RECORDER: **PD, SPV** _____ DATE: **12/20/2007**
PLATFORMS AFFECTED: ALL: **X** IBM: ___ VAX: ___ PC: ___

OTHER (IBM RISC, SGI): _____

VERSION(S) AFFECTED: **V0493 Onwards**
(if an enhancement, complete at time of release)

DESCRIPTION:
NF17 Code Check Parameter AUSTENIT is not being processed.

The bug has been corrected in Version V0707.

IF A BUG,

LEVEL # **4**
SIGNATURE _____ DATE: **12/26/2007**

CONDITIONS UNDER WHICH IT OCCURS:

When parameter is specified as 'YES'

CIRCUMVENTIONS, IF ANY:

None

PHI-DELTA BUG/ENHANCEMENT/ERROR REPORT
(BER)

BER REPORT NO. **B6.0-105**

APPLICABLE PROGRAM PRODUCT:

PD STRUDL _____ E/PD STRUDL _____ OTHER _____ ALL: **X**

REPORTER: **PD, WSH** _____ DATE: **12/21/2007**

RECORDER: **PD, SPV** _____ DATE: **12/21/2007**
PLATFORMS AFFECTED: ALL: **X** IBM: ___ VAX: ___ PC: ___

OTHER (IBM RISC, SGI): _____

VERSION(S) AFFECTED: **1983 Onwards**
(if an enhancement, complete at time of release)

DESCRIPTION:
Welding properties for the TABLE configuration were incorrectly computed for the composite sections (DOUBCHAN, DOUBTEE, LDOUBANG, SDOUBANG, STARANGL and DSTARANG).

The computed properties were always smaller than the correct values. Therefore the results were always conservative.

The bug has been corrected in Version V0707.

IF A BUG,

LEVEL # **4**
SIGNATURE _____ DATE: **12/26/2007**

CONDITIONS UNDER WHICH IT OCCURS:

None

CIRCUMVENTIONS, IF ANY:

None