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Mailing Address/Box 0
Minneapolis, Minnesota 55440



May 27, 1982

Mr. Victor Stello, Director
Office of Inspection and Enforcement
Nuclear Regulatory Commission
7735 Old Georgetown Road
Bethesda, MD 20814

Dear Mr. Stello:

This letter is provided to report an error condition in a computer software program which Control Data Corporation makes available to users of its CYBERNET computer system. Control Data Corporation is unable to evaluate whether this error condition could create a "defect" as defined by 10CFR21, and therefore has notified its customers by letter dated May 26, 1982, in order that they may cause the error condition to be evaluated.

The error condition exists in the computer program PIPERUP V.1.3 (the "program") which can be used by Control Data customers to perform nonlinear analysis for piping systems subjected to postulated ruptures. The program operates on Control Data's CYBERNET computer systems, under control of the Network Operating System (NOS), at the following data centers: Rockville, MD; Houston, TX; Sunnyvale, CA; Waltham, MA.

The program is the proprietary product of Quadrex Corporation, 1700 Dell Avenue, Campbell, CA, 95008, and is licensed to Control Data for use on the CYBERNET network.

A list of affected customers in enclosed, together with a copy of Control Data's notification letter which has been sent to each of the customers. The nature of the error condition, and the corrective action which should be taken by users to avoid further errors, are described in the enclosed notice to customers.

*Jackie,
Please make sure
this is entered in P.21
tracking.
Bill*

*82-633-000
Jordan
Action to BAER
Part 21 track to ~~MITTS~~
Info on computer HARPSTER
QA to*

*Bob - please review for
significance, any need for
further generic action
ef*

8207130387 820527
PDR PT21 EECCOND
82-633-000 PDR

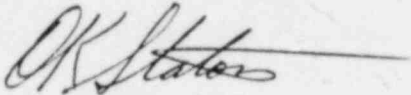
IE 19

Mr. Victor Stello
Page 2
May 27, 1982

Information concerning the error condition was obtained by the undersigned on May 27, 1982. Further information is available by contacting Margo Berg, Quality Assurance Department, Control Data Corporation, 8100-34th Avenue South, P.O. Box 0, Mail Station HQC020, Minneapolis, MN, 55440, telephone (612) 853-6327.

Sincerely,

CONTROL DATA CORPORATION



O. K. Staton
Vice President
COMSOURCE

PR0439D-C

Enclosures

cc: T. J. Vinson
Manager, Structural Technology
Plant Piping and Supports Division
Quadrex Corporation
1700 Dell Avenue
Campbell, CA 95008

May 26, 1982

Stone & Webster Engineering Corp.
Computer Library, Second Floor
245 Summer Street
Boston, MA 02107

Control Data Corporation would like to inform you that an error condition has been detected in the computer program PIPERUP V.1.3, one of the programs which makes up the NUPIPE II system available on CYBERNET NOS operating systems.

PIPERUP V.1.3 was released on the NOS systems on February 23, 1981. Previous to that date, PIPERUP was available on CYBERNET on SCOPE operating systems only. The error being reported herein does not affect PIPERUP on SCOPE systems.

The error condition in NOS PIPERUP V.1.3 is that arrays are not internally initialized. The implication is that the possibility exists for PIPERUP to start execution with nonzero values in its memory, in turn producing incorrect results. This condition could affect any analysis performed using PIPERUP V.1.3 on NOS, thus all results should be carefully checked. The following workaround should be included in any run or rerun of analysis:

```
LDSET(PRESET=0)  
PIPERUP,PL=999999.
```

The procedure file NUPROC, through which most users execute PIPERUP, has been modified to include the above workaround. This new procedure file will be available on all NOS systems as early as Thursday, May 27, 1982, and no later than Tuesday, June 1, 1982. If you have any question regarding the availability of the modified NUPROC, please contact Richard R. Tollefsrud at (612) 482-2898.

Page 2
May 26, 1982

I would like to reemphasize that results from PIPERUP V.1.0 analysis run on NOS systems should be carefully checked to determine whether this error condition has caused a defect in your analysis as described in 10CRF21. Control Data Corporation believes this condition warrants reporting to the Nuclear Regulatory Commission, and you are hereby notified that such a report has been made effective May 27, 1982.

If you require more information or assistance regarding this matter, please feel free to contact me at (612) 853-6327.

Sincerely,

CONTROL DATA CORPORATION

Margo J. Berg
COMSOURCE/CYBERNET
Quality Assurance

PR0438D-C

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