

8100-34th Avenue South
Mailing Address/Box 0
Minneapolis, Minnesota 55440

82-634-000 Jadaire - take care of
Part 21 filing
1.1.82 JTV



June 15, 1982

cc DeYoung

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

~~BAER~~
ACTION - BAER -
Please determine if
recommunication is
warranted - This should
be treated as Part 21
copy should be filed
etc -
Ed

Dear Mr. Stello:

In my letter of May 27, 1982, I reported that an error condition has been detected in the computer program PIPERUP V.1.3 on the NOS operating system. Further investigation has produced information which corrects and clarifies the previously reported error condition.

The condition which produces incorrect results occurs only when multiple analyses are executed in the same PIPERUP job stream. This condition was encountered when an analyst attempted to run the entire PIPERUP verification problem set in the same job. It is our understanding that, in practice, PIPERUP users would not run multiple analyses in a single job stream.

Enclosed is a copy of Control Data's letter of clarification which is being sent to each of the customers who were previously notified of the problem. The clarification of the problem and revised corrective action are described in the enclosed notice to customers.

The information included in this letter was obtained by the undersigned on June 11, 1982. Further information is available by contacting Margo Berg, Quality Assurance Department, Control Data Corporation, 8100-34th Avenue S., P.O. Box 0, Mail Station HQC020, Minneapolis, MN 55440, telephone (612) 853-6327.

Sincerely,

CONTROL DATA CORPORATION

O. K. Staton
O. K. Staton
Vice President
COMSOURCE

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

Enclosure
8207130394 820615
PDR PT21 EECCOND
82-634-000 PDR

1E19



(Current Date)

(Address)

In my letter of May 26, 1982, I reported that an error condition has been detected in the computer program PIPERUP V.1.3 on the NOS operating system. Following is information which corrects and clarifies the previously reported error condition.

It has been determined that to date PIPERUP has not experienced problems with array initialization. The condition which produces incorrect results occurs only when multiple analyses are executed in the same PIPERUP job stream. This condition was encountered when an analyst attempted to run the entire PIPERUP verification problem set in the same job. Specifically, the problem may occur when other programs and procedures are executed in the same job stream prior to PIPERUP, including back-to-back PIPERUP runs. Scratch files remaining from prior executions could contaminate disc space used by PIPERUP and produce unpredictable results.

This additional information greatly simplifies the situation and minimizes the customer effort required to check analyses performed on the NOS operating system. In all likelihood, most users will remain unaffected by this. It is our understanding from the analysis of our PIPERUP users that, in practice, engineers would not run multiple analyses of PIPERUP in a single job.

Users should not attempt to run multiple data decks or execute programs or procedures prior to a PIPERUP analysis, in a single PIPERUP job stream without the necessary control cards to rewind disc files after each analysis. If you have questions regarding the correct usage of PIPERUP or require additional information, please contact one of the following:

Richard Tollefsrud
Application Support Analyst
Control Data Corporation

(612) 482-2898

Page 2

Tom Vinson
Quadrex Corporation

(408) 866-4510 X4904

John Nardello
Quadrex Corporation

(408) 866-4510 X4925

Sincerely,

CONTROL DATA CORPORATION

Margo J. Berg
COMSOURCE/CYBERNET
Quality Assurance

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