A

conoco

Interoffice Communication

To : J. A. Dixon

From : R. B. Harned

Date : March 24, 1982

Subject: FIXED POINT MONITOR COMPUTER
(AFE 9680)

In order to complete this project, some details need to be resolved. DLM, AHS, and I discussed several questions and came up with the following:

COMPUTER SOFTWARE/HARDWARE CHANGES

1. Install 32 KB MOS Memory - (To be done by P-E serviceman about 4/1). This should improve system reliability.

2. The turn on threshold for the beacons needs to be resolved (1 ppm as per the design is not acceptable).

3. Program for and install a leak alarm.

4. Change leak numbering system such that leaks are numbered sequentially for the month. (if possible)

5. Modify the software to continue data logging if the printer goes down. (if possible)

6. Program and install a computer failure alarm. (if possible)

7. Try to make the system more resistant to operator shutdown. Some possibilities are:

   a) Disable the keyboard with a locking switch.

   b) Put the CRT terminal behind the panel and put a video display beside the printer.

8. Purchase diagnostic programs and scratch floppies.

9. Purchase parallel/serial and serial/parallel converters to improve communications from the computer to the printer.

10. Change locations on GC#3 as follows:

    Stream 9 - Bottom of D-700
    Stream 10 - Bottom of D-745

11. Change title on monthly report to Aberdeen Chemical Plant.

Copy

PRELIMINARY
RBH → AHS
DLM

CONOCO

Interoffice Communication

To : J. A. Dixon

From : R. B. Harned

Date : March 22, 1982

Subject: FIXED POINT MONITOR COMPUTER
(AFE 9680)

In order to complete this project, some details need to be resolved. DLM, AHS, and I discussed several questions and came up with the following:

COMPUTER SOFTWARE/HARDWARE CHANGES

1. Install 32 KB MOS Memory - (To be done by P-E serviceman about 4/1). This should improve system reliability.

2. The turn on threshold for the beacons needs to be resolved (1 ppm as per the design is not acceptable).

3. Program for and install a leak alarm.

4. Change leak numbering system such that leaks are numbered sequentially for the month. (if possible)

5. Modify the software to continue data logging if the printer goes down. (if possible)

6. Program and install a computer failure alarm. (if possible)

7. Try to make the system more resistant to operator shutdown. Some possibilities are:

   a) Disable the keyboard with a locking switch.

   b) Put the CRT terminal behind the panel and put a video display beside the printer.

8. Purchase diagnostic programs and scratch floppies.

9. Purchase parallel/serial and parallel/serial converters to improve communications from the computer to the printer.