



Interoffice Communication

To Shift Supervisors & First Operators
From M. L. Ashby
Date March 8, 1984
Subject Span Checking VCM Fixed Point Monitors

Recent legislation in Louisiana (LESHAPS) requires certain changes to the normal routine of monitoring for VCM leaks. Some of the major highlights include:

1. A leak of the process to the cooling water side is defined as 10 ppm VCM.
2. The weekly leak patrol will continue and any detection above 10 ppm measured six (6) inches from a source shall be deemed a leak. A check list will be filled out each week on key equipment checked.
3. The plant fixed point monitors will deem a vinyl leak if two (2) consecutive scans of an area pick up a concentration of 10 ppm or greater.
4. Anytime the computer is out of service on the fixed point monitor, manual readings must be taken and recorded hourly on the appropriate chart.
5. The plant fixed point monitors will be span checked daily to assure their accuracy.

Item number five (5) will require that at each morning the Block II board operator run a span check of CARC 171 and CARC 401 (Block I board operator will do the check if Block II board operator is busy). The span check will consist of injecting a span gas (approximately 9.4 ppm vinyl) into both analyzers until all 20 points are checked. The procedure to complete a span check is listed below (refer to figures 1 and 2 attached).

1. Initial, date and write the time on both CARC 171 and 401 roll charts. (See Figure 1)
2. Open the analyzer door for each CARC. Look to the left/top side where the rotometer is.
3. Below the rotameter are two (2) switches (see Figure 2). The switch on the left says "Bypass and Normal". Flip this switch from "normal" to "bypass". This step takes the computer off line so alarms and false concentrations are not entered in the data banks.

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4. Now the switch on the right of the rotameter (bottom) should be switched from "off" to "STD". This will allow a standard gas of 9.4 ppm to enter the analyzer to check its accuracy.
5. The standard gas should go for approximately for (10) minutes to allow all points to be checked (see Figure I).
6. After the ten (10) minutes return the switches to "normal" and "off". The analyzer is now back on the computer and sampling the process area.
7. Write in the log book the results of the span check (see Figure III). If the span gas does not register plus/minus 1 ppm of the standard, an instrument person should be contacted to correct the analyzer. Monday through Friday these corrections can be done on days, Saturday and Sunday will require a callout to correct.

This procedure should begin immediately. I will show each board operator the procedure before March 9. If there are any questions, please see me.

Michael L. Ashby

M. L. Ashby

kf

cc: RAC-JWW-MCM-RB-S/S(4)-Operators(10)

CCR 000019419

FIGURE I
CARC 171 + 401
SPAN CHECK

SPAN
GAS

@ 3.2

UNITS

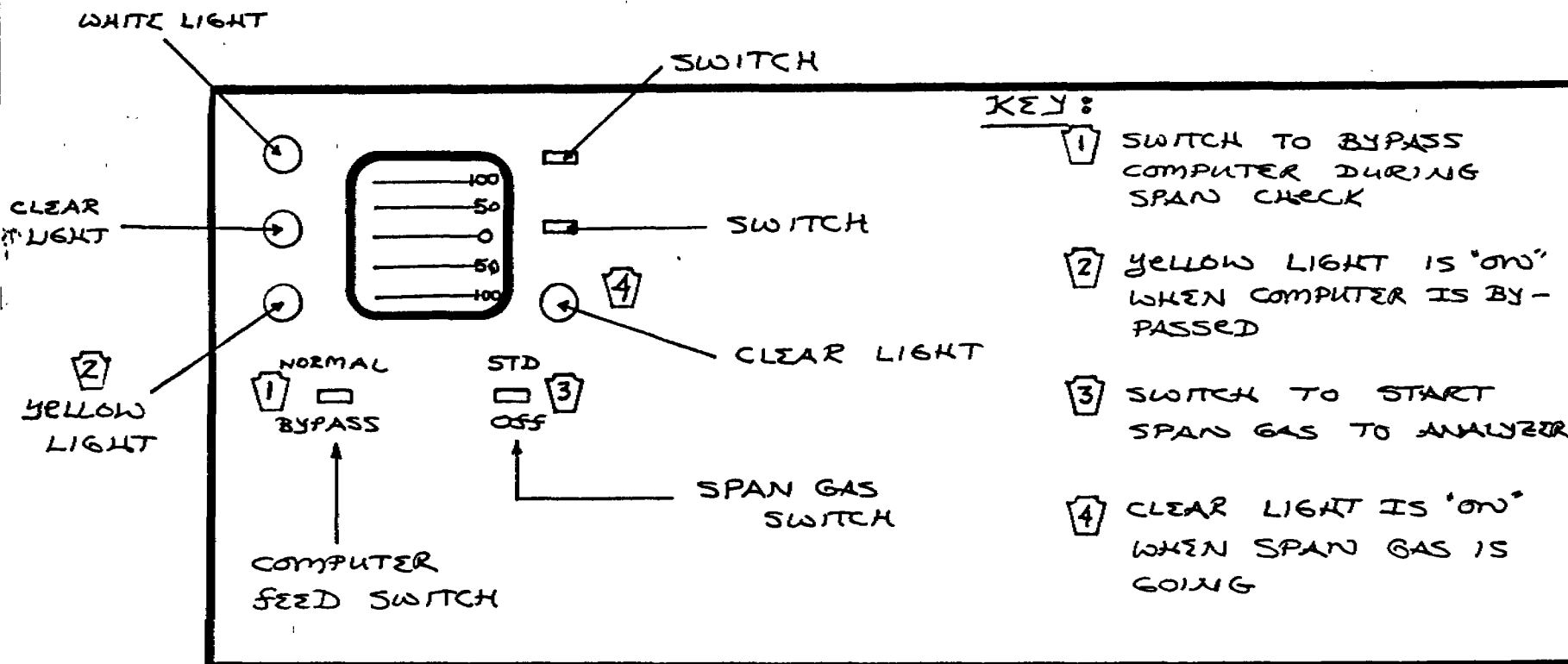
OR 9.4

PPM

3/7/84 0830

INITIAL
DATE +
TIME

FIGURE II



CARC 171 + 401 SPAN
CHECK (ANALYZER)

FIGURE III
SPAN CHECK LOG BOOK

DATE _____

TIME _____

²
INITIALS _____

Span Check CARC-171:

_____ Span Checked Correct

_____ Span Checked Incorrect

_____ Comments: _____

_____ Action Taken to Correct

Span Check CARC-401:

_____ Span Checked Correct

_____ Span Checked Incorrect

_____ Comments: _____

_____ Action Taken to Correct

CCR 000019422