CONOCO

# Interoffice Communication

To DISTRIBUTION

From J. V. Uptain

Date October 11, 1979

Subject VCM DOSIMETRY DATA SYSTEM

I recommend that we begin using the card system during VCM dosimetry. We have been using it during lead dosimetry for several months and have found it to be superior to the current VCM system in several respects:

1. In the card system, when the employee picks up his dosimeter at the start of the work period, he is also given the "B" portion of the two-part sample card (see attached). He is required to complete the card, sign it, and return it, with the dosimeter, at the end of his work period. This accomplishes many things:

   a. It gives the employee a reason to think about what he is doing by having him write it down. For example, he has to think about the worst hazards he deals with while it's "fresh on his mind."
   b. It gives better information because it is recorded during the day the sample is taken. At present, we expect people to recall what happened several days (weeks?) after an overexposure. This is not always possible.
   c. It gives better information because the card must be signed: most people hold their signature in respect ("If I sign that, I'm gonna make sure...").
   d. It saves supervisory time now spent tracking down information on overexposures.

2. When an overexposure occurs, the employee is notified directly by use of the "Notice of Monitoring Result" card (see attached). It has several nice features:

   a. A red tracer copy keeps the scheduler from having to run Zerox copies for the same purpose as is presently the case with VCM.
   b. The information provided to the employee is more to the point, more complete (compare it with the "A" card), and does not require him to remember events he has forgotten (as noted above).
   c. It is "unique," being easily seen among the common clutter of paper and easy to handle because of it's size.

3. There is always a risk of losing the single schedule sheet presently used with VCM. Loss of a card (one sample) is less serious.

There are probably other benefits I've overlooked, but those noted are enough for me to say "let's try it!"

If you agree, we can begin immediately.

Jerald F. Uptain

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jf

c: CLM, CRM, RBM, AHS, SJV

**CONOCO CHEMICALS – ABERDEEN PVC PLANT**
**DOSIMETRY CARD (A)**

SAMPLE Nº 1007A

Hazard: VCM ( ) Lead ( ) Noise ( ) _____( ) Date _____

Name _____ S. S. # _____ Shift _____

Department _____ Job Class _____

| | Start | Stop |
|---|---|---|
| Instrument No. _____ | Time _____ AM( ) PM( ) | _____ AM( )PM( ) |
| Noise Cell No. _____ | Airflow _____ | _____ |

Analyst: _____ Analysis Date: _____

| Hazard | | TWA Exposure |
|---|---|---|
| VCM | PEL: 1 PPM | PPM |
| Noise | Over ( ) Under ( ) 115 dBA | % of PEL |
| Lead (Micrograms) | TOT: PEL: Per $M^3$ | Per $M^3$ |
| | | |

**CONOCO CHEMICALS – ABERDEEN PVC PLANT**
**DOSIMETRY DATA CARD (B)**

SAMPLE Nº 1007

Hazard: VCM ( ) Lead ( ) Noise ( ) _____( ) Date _____

Time Clock (Lead Sampling Only) : IN: _____ AM( ) PM( ) OUT: _____ AM( ) PM( )

List areas you spent most time in and estimate amount of time (nearest hour is sufficient) spent.

| Area | Time | Area | Time |
|---|---|---|---|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

List most likely causes of possible overexposure to the hazard.

1. _____
2. _____
3. _____

Check respiratory protection you used:

( ) None ( ) Dust Mask ( ) Air-line Respirator ( ) Scott Air-pak

Signature _____

Please complete and return to guard