



Interoffice Communication

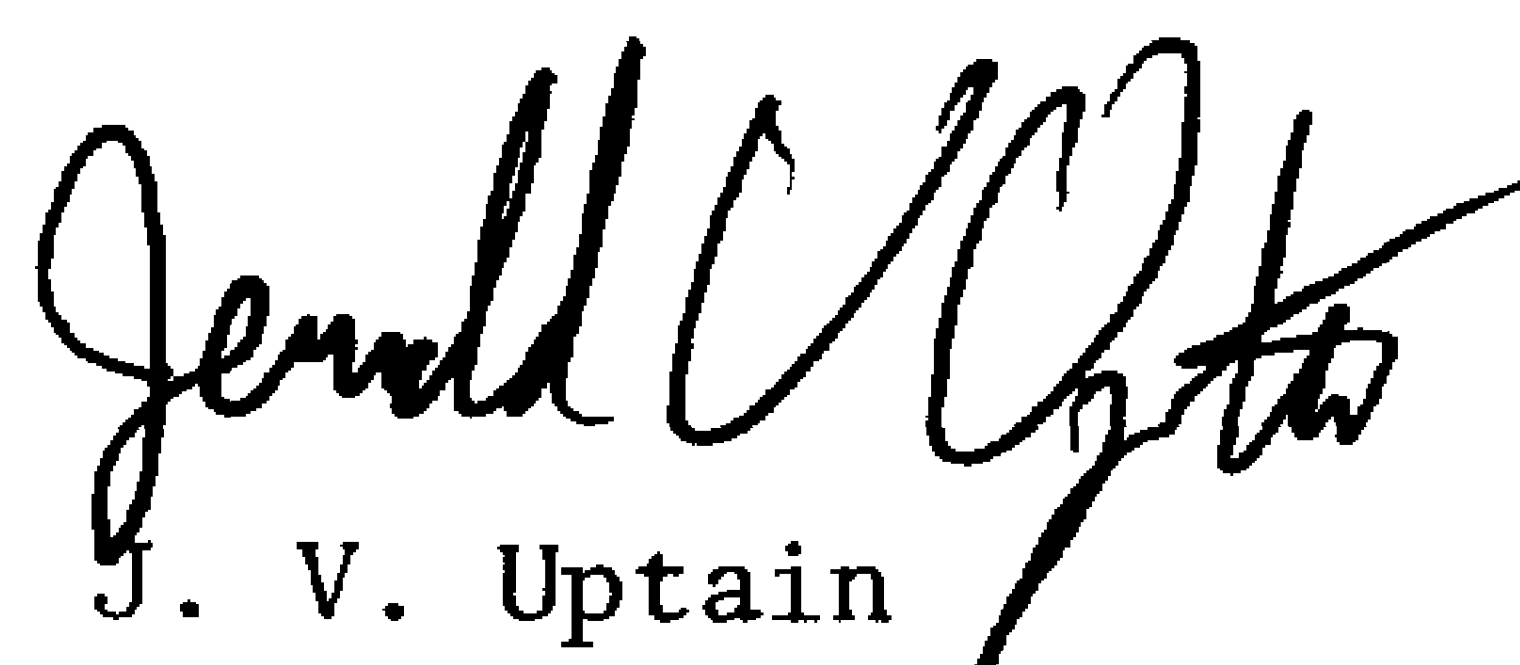
To A. H. Sather
From J. V. Uptain ✓
Date October 19, 1979
Subject VCM DOSIMETRY - AUGUST & SEPTEMBER, 1979

Following are the results of VCM dosimetry during August and September, 1979. 112 samples were taken, 16 of which indicated overexposure.

Range, PPM	August		September	
	No. Samples	%	No. Samples	%
0.0 - 0.5	33	70.21	44	67.69
0.5 - 1.0	6	12.77	13	20.00
1.0 - 5.0	8	17.02	6	9.23
5.0+	0	0	2	3.08
	<u>47</u>	<u>100.0</u>	<u>65</u>	<u>100.00</u>

The results of the 16 overexposures are shown in Table I.

Under the system used until this week, the specific causes for VCM exposures identified by dosimetry have not always been identifiable. In most cases, it appears that overexposed individuals have had difficulty recalling probable causes several days after the fact. Starting this week, we are trying a new system, which requires the recording of probable causes by the person being monitored, and during each sample taken. It is anticipated that this method will give more useful information that can be used to pinpoint and eliminate causes of overexposures.


J. V. Uptain

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Attachments
c: JJH, ODS

TABLE I

VCM OVEREXPOSURES FOR AUGUST & SEPTEMBER, 1979

<u>Date</u>	<u>Job Classification</u>	<u>8-Hour TWA Overexposure, PPM</u>	<u>Cause</u>
8/11/79	Vinyl L. R. Chief Operator	1.1	Specific cause not determined (SCND)
8/19/79	Vinyl Dryer "A" Operator	1.8	SCND
8/21	Vinyl L. R. Operator	1.3*	SCND
8/22	Vinyl L. R. Operator	1.1	SCND
8/22	Vinyl Dryers Lead Operator	1.0	SCND
8/23	Yard Operator	3.3*	Hooking/Unhooking VCM Railcar.
8/23	Vinyl Dryers "A" Operator	1.0	SCND
8/24	Vinyl Dryers Utility	1.0	SCND
9/1	Vinyl L. R. Chief Operator	10.4	SCND
9/2	Vinyl L. R. Operator	1.1	SCND
9/3	Vinyl L. R. Operator	10.3*	SCND
9/5	Maintenance "A" Mechanic	1.6	SCND
9/19	Maintenance Mechanic	1.2	Drilling & brushing D-600 condenser.
9/22	Vinyl L. R. Operator	3.6*	SCND
9/24	Vinyl Dryers Utility	1.3	SCND
9/26	Maintenance Mechanic	2.3*	"Blanking" recovery condenser.

* Respiratory Protection Worn