

R. A. Kelley

Akron

H. Waltemate

Cleveland

April 4, 197

RECORDKEEPING

Attached is information on the recordkeeping system we have for all employee personal monitoring results and some examples of reports that can be gotten from the computer.

- 1) Card which is retained for 12 months which the employee initials indicating that he was informed of the monitoring results.
- 2) Report on personnel monitoring for all chemical plants for Acrylonitrile.
- 3) High man report on Benzene for the Henry plant.
- 4) High man noise report by job classification for the Long Beach plant.
- 5) Yearly summary (1976) for M. Dudukovitch, Jr. which shows he was monitored fourteen (14) times for four (4) different chemicals. A copy of this is placed in M. Dudukovitch's medical records.
- 6) Same report as No. 5 for R. M. Austin.
- 7) This summary shows for three (3) years at Louisville we did 15,091 long term personnel monitoring for Vinyl Chloride. We also performed some short term monitoring for Vinyl Chloride, monitoring for noise and various other chemicals. Thus the total of 15,091 represents only a portion of our complete monitoring program.

With these types of reports (No. 2, 3 and 4) available from the computer and copies of employee yearly summaries (No. 5 and 6) in the employee's medical record, we do not see a need to retain the original cards (No. 1)


H. Waltemate

HW/pl

Attachment

cc: T. S. Bialke
J. A. Klupar

NGC 15162

①

NOISE MONITORING EXAMPLE

On October 15, 1976 at 4 PM (16:00 hours) at Louisville (Plant 10), Henry E. Loudenboomer (SS# 354-22-9800) was monitored for 5 hours and 20 minutes (320 minutes) using a dosimeter (No. 1029) calibrated for 90dB. At the end of the monitoring period the dosimeter read 80% and the 115dB light was lit. Henry rotates with D shift in Building 121 as a latex charging operator (job code 135).

$$\text{The \% anticipated 8-hr exposure} = \frac{480}{320} \times 80 = 120\%$$

Because the 115dB light was on, a Y is entered in slot 69.

Task code should be entered as 000.

J. A. Klupar
Ext. 1395 Clev

PERSONNEL MONITOR CARD

NAME															INIT.					SOC. SEC. NO.										PLANT					AREA NO.				
LAST NAME															INIT.					SOC. SEC. NO.										PLANT					AREA NO.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30										
L	O	U	D	E	N	B	O	O	M	E	R			H	E	3	5	4	2	2	9	8	0	0	1	0	1	2	1										
JOB CODE		TASK CODE		SHIFT		MO.		DA		YR		SAMPLE NO.		TYPE		S		ITEM		B		VALUE																	
1	3	5	0	0	0	D	1	0	1	5	7	6	1	0	2	9	S	1	N	9	0	0	1	2	0	0	0	0											
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59											
TIME BEGUN		EXPOS. TIME MIN.		T		S		SEX		A		C		T		C		T		C		T																	
1	6	0	0	3	2	0			Y	M																													
SUPERVISOR		AIR FLOW RATE		SAMPLE VOL.		TOTAL		REPORT TO EMPLOYEE?		DATE SHOWN		EMPLOYEE INIT.																											

- * RP - RESPIRATORY PROTECTION TYPE, 0 = NONE 1 = CARTRIDGE 2 = AIR SUPPLIED 3 = CANNISTOR
- * 2 ACT - ACTION CODE, SPACE OR 2 = ADD 1 = DELETE 3 = MODIFY
- * 3 ITEM - CODE / NAME OF MONITORED ITEM (SEE REF LIST)
- * 4 TYPE -- C - CHEMICAL; S - SOUND; R - RADIATION
- * 5 SEQ - CONTINUATION
- * 6 PUMP POS - 3 = INSIDE 4 = OUTSIDE MASK
- * 7 BREAK TH 8 = NO BREAKTHRU 9 = BREAKTHRU

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NGC 15163

DISTRIBUTION ATTENTION M.I.S. DEPARTMENT

 * AFG RESTRICTED *

LONG TERM (~6 Hrs)

ACRYLONITRILE

R96943J - D.F.C. PERSONNEL MONITOR - SUMMARY DATA

CHEMICAL M4 01/01/77 TO 12/31/77 DATE 02/09/78 TIME 085913 PAGE 1

PLANT	PLANT NAME....	MON. TYPE	ITEM	REG AREA	NO. MONITOR	...PPM AVG	...PPM MAX	...PPM MIN
10	LOUISVILLE	CHEMICAL	M4	008 BANBURY	3	.00	.01	.00
10	LOUISVILLE	CHEMICAL	M4	030 ARSON POLY	20	2.15	10.85	.35
10	LOUISVILLE	CHEMICAL	M4	121 LATEX/PASTE	1	.50	.50	.50
10	LOUISVILLE	CHEMICAL	M4	122 HYCAR DRYING	49	2.14	17.51	.00
10	LOUISVILLE	CHEMICAL	M4	123 HYCAR RECOVERY	6	.80	2.13	.27
10	LOUISVILLE	CHEMICAL	M4	130 HYCAR PIG & WHSE	7	.95	2.02	.30
10	LOUISVILLE	CHEMICAL	M4	131 HYCAR POLY	43	2.16	33.33	.00
10	LOUISVILLE	CHEMICAL	M4	132 HYCAR SPRAY DRIER	4	.08	.18	.03
10	LOUISVILLE	CHEMICAL	M4	145 HYCAR OFFICE	2	.74	1.22	.27
TOTAL PLANT					135	1.89	33.33	.00
12	AVON LAKE G C	CHEMICAL	M4	463 LATEX	28	1.19	6.50	1.00
TOTAL PLANT					28	1.19	6.50	1.00
13	AKRON	CHEMICAL	M4	151 B/SIS 1ST FL	9	3.63	7.30	.86
13	AKRON	CHEMICAL	M4	152 2ND FL	10	15.94	79.00	.40
13	AKRON	CHEMICAL	M4	153 3RD FL	10	9.31	43.22	.06
13	AKRON	CHEMICAL	M4	154 4TH FL	8	4.26	24.00	1.48
13	AKRON	CHEMICAL	M4	157 CHARGING AREA	2	8.23	14.57	1.40
TOTAL PLANT					47	8.25	79.00	.06
15	PEDRICKTOWN	CHEMICAL	M4	502 LATEX	33	.24	3.86	.02
15	PEDRICKTOWN	CHEMICAL	M4	511 TANK FARM	1	.10	.10	.10
TOTAL PLANT					34	.23	3.86	.02
32	AVON LAKE T C	CHEMICAL	M4	416 OFFICE/LAB	2	1.50	2.00	1.00
32	AVON LAKE T C	CHEMICAL	M4	422 PROCESS-POLY CHEM	40	5.43	108.00	.10
32	AVON LAKE T C	CHEMICAL	M4	426 EXTRUDER	9	.50	1.00	.10
TOTAL PLANT					51	4.44	108.00	.10
42	PORT NECHES	CHEMICAL	M4	261 RUBBER STRA WHSE	1	.00	.00	.00
TOTAL PLANT					1	.00	.00	.00

TOTAL ITEM-M4 TYPE-CHEMICAL ACRYLONITRILE 296

3.17 108.00 .00

JAK
EXT 1395NGC
15164

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* B F G P S T I C T E N *

MIAMI MAN REPORT

10/01/77 10 02/01/78 DATE 02/03/78 TIME 093331 PAGE 1

PLANT PLANT NAME... AREA - LITEN JOB LAST NAME... INIT DATE.. SFC. SEC. TASK EXP TIME ..PPM PUMP POS BRK THRU RESP SEX

NGC 15165

25/07

[illegible]

11/11/10 TO 09/22/77 055 8/25/77 102 00234 000

6

M1

Vinyl Chloride

CHEMICAL

43

Butadiene

CHEMICAL

614

36
Acetylcholine

CHEMICAL

145

Styrene

REDACTED

17

f

[illegible]

R96846D - B.F.G. PERSONNEL MONITOR - PERSONAL DATA
 01/01/77 TO 12/31/77 DATE 03/28/78 TIME 151842 PAGE 1

		CHEMICAL		M1		MALE						
PLANT NAME....	AREA	TASK	JOB	SHIFT	DATE..	E/T	...PPM	PUMP	PCS	BRK	TH	RESP
LOUISVILLE	111	000	154	B	020177	360	1.90					2
LOUISVILLE	111	000	154	B	030177	360	1.67					2
LOUISVILLE	111	000	154	B	050977	400	1.07					2
LOUISVILLE	111	000	154	B	071277	345	.62					2
LOUISVILLE	111	000	154	B	091777	360	.00					2
LOUISVILLE	111	000	154	B	111177	360	1.50					2
LOUISVILLE	111	000	154	B	010477	360	1.68					2
LOUISVILLE	111	000	154	B	040877	360	.35					2
LOUISVILLE	111	000	154	B	061477	420	2.28					0
LOUISVILLE	111	000	154	B	082577	370	.60					2
LOUISVILLE	111	000	154	B	101277	370	.43					2
LOUISVILLE	111	000	154	B	120677	360	.99					2

NGC 15168

6

VCM - LOUISVILLE - LONG TERM - PERSONAL MONITORING

SHEET NO.

	AREA NUMBER	1975			1976			1977		
		NUMBER MONITORED	AVERAGE PPM	MAXIMUM PPM	NUMBER MONITORED	AVERAGE PPM	MAXIMUM PPM	NUMBER MONITORED	AVERAGE PPM	MAXIMUM PPM
PVC POLY	000	66	0.14	3.30						
MILLROOM	001	431	1.36	18.00	688	1.35	41.00	837	1.00	35.2
WHSE-MAINT	002	183	0.40	9.60	77	0.15	1.00	180	0.13	3.5
HI-TEMP	003	3	0.10	0.20	1	6.10	0.10			
MACH SHOP	004	103	0.14	3.60	87	0.14	1.30	230	0.09	3.6
MAINT SHOP	005	171	0.15	4.40	170	0.20	5.50	145	0.19	3.9
BANBURY	007	27	0.08	0.30	23	0.15	1.80	10	0.21	1.9
	008	46	0.28	2.60	24	0.22	0.50	13	0.21	0.6
	009				3	0.03	0.10			
PVC STOR	010	1	0.00	0.00						
PUMP HSE	011	2	0.30	0.50	1	0.05	0.05	3	0.19	0.5
CL ₂ STOR	012				1	0.10	0.10			
	013	2	0.00	0.00						
PVC POLY	015	151	1.29	21.00	173	1.13	24.00	22	0.16	1.2
LAB & DISP	016	23	0.12	0.60	5	0.18	0.30	16	0.47	4.2
PVC OFF	017	21	0.20	1.60	2	0.31	0.62	1	0.10	0.1
PLAST POWDER	020	59	0.25	2.50	36	0.17	1.30	17	0.10	0.3
REFRIG	021	21	0.08	0.40	47	0.27	2.03	57	0.23	6.2
WHSE	026	7	0.61	2.90	2	0.10	0.20			
NITROGEN	027	1	0.36	0.36	1	0.03	0.03	3	0.02	0.0
SANDBLAST	028	8	0.01	0.10				1	0.01	0.0
HI-TEMP	029				4	0.05	0.08			
ABS POLY	030	19	0.13	0.80	31	0.10	0.90	25	0.10	0.5
ABS CMPD	031	20	0.20	2.90	28	0.08	0.34	19	0.10	0.38
	053	1	0.20	0.20						
HOUSES	100	10	0.19	1.10	4	0.02	0.10	3	0.02	0.08
ADM	101	107	0.61	19.00	46	0.53	11.34	124	1.84	80.7
PIPE SHP	102	173	0.31	13.00	222	0.37	19.77	196	0.72	51.03
BOILER HSE	103	63	0.16	1.40	29	0.12	0.78	18	0.08	0.22
BD-PUMP HOUSE	105	8	0.08	0.20	4	0.11	0.14	1	0.05	0.05
STYBAN PH	106	5	0.19	0.40	5	0.18	0.38			
CAFETERIA	107	3	0.00	0.00						
WATER TREAT	108	65	0.31	2.00	124	0.35	2.80	109	0.31	2.79
MAINT	109	8	0.46	2.10	7	0.13	0.30	10	0.27	0.77
PVC POLY	111	629	1.73	19.00	709	1.48	25.00	697	1.23	20.0
PVC DRY	112	120	0.65	10.00	135	0.50	3.20	97	0.55	2.26
WASTE TREAT	113				1	0.00	0.00	4	0.16	0.37
WASTE TREAT	114	6	0.31	0.90	10	0.17	0.60	14	0.12	0.26
REFRIG	115	94	1.87	16.00	151	1.50	30.00	130	0.87	7.97
WAREHOUSE	116	10	1.12	3.40	2	0.04	0.08	1	0.09	0.09
MAINT	117	59	0.28	2.20	51	0.34	2.72	108	0.14	0.76
DESINATE	119	4	0.35	0.80	2	0.31	0.43	4	0.19	0.44
LATEX/PASTE	121	659	1.89	24.00	805	1.56	28.00	952	1.52	58.9
HYCAR DRY	122	72	0.29	2.00	72	0.27	2.70	58	0.21	0.65
	124	1	0.20	0.20						
HYCAR REC	125	19	0.70	3.20	46	0.34	2.30	8	0.20	0.42
WAREHOUSE	126	5	1.14	2.50	3	0.16	0.30	4	0.22	0.46
LPA DRYER	127	30	0.51	3.00	11	1.66	16.00	44	1.13	18.12
PEROXIDE	128	2	0.10	0.10						
PASTE DRYER	129	64	0.39	2.50	72	0.37	3.31	159	0.30	1.76

NGC 15169

VC-M - LOUISVILLE - LONG TERM - PERSONAL MONITORING

SHEET NO.

AREA

NUMBER

MONITORED PPM

AVERAGE PPM

MAXIMUM PPM

130

HYCAR PIG & PMS

131

HYCAR POLY

132

HYCAR SPRAY

133

MAINT STORE

134

HYCAR STORE

135

LATEX STORE

138

LPA

140

HRC RUM

146

PVC OFFICE

148

LPA CONTRA

149

LP KERRIG

152

CAT BLDG

154

MAINT SHP

155

LOCKER ROOM

156

LUNCH ROOM

157

VINYL SHEETS

171

199

227

400

401

402

403

404

405

406

407

409

411

777

888

999

TOTAL

TRANSLIT-OVA

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Area Shop 1

2

3

4

5

6

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NUMBER

MONITORED PPM

AVERAGE PPM

MAXIMUM PPM

1.10

0.28

9

16.00

0.56

90

0.17

21

0.25

17

0.90

1.00

1

1.47

11

6.20

2.60

0.33

23

0.51

10

0.20

0.70

5

1.20

0.00

1

0.40

0.40

1

0.30

0.40

6.40

13.00

398

0.51

0.98

2400

NUMBER

MONITORED PPM

AVERAGE PPM

MAXIMUM PPM

0.40

0.13

13

3.50

0.22

159

0.19

26

0.34

20

1.42

0.40

0.40

1

1.16

379

86.00

0.20

0.39

17

0.23

0.00

0.36

5

1.83

11

0.01

0.10

7

0.02

0.53

0.04

24.00

847

0.45

0.91

86.00

NUMBER

MONITORED PPM

AVERAGE PPM

MAXIMUM PPM

0.09

0.20

60

0.11

58

0.43

2

0.17

0.38

2

0.72

1

1.22

490

0.18

8

0.50

236

0.29

0.08

1

1.09

2

0.04

0.97

18

3.70

0.00

0.12

0.96

0.09

0.44

0.25

0.32

0.13

0.68

5.8

19.31

NGC 15170

1 9 7 7

1 9 7 6

1 9 7 5

4171

5450

5470

80.7