

TABLE I

SUMMARY OF 1980 VCM DOSIMETRY RESULTS

<u>JOB CATEGORIES</u>	<u>NO. SAMPLES</u>	<u>$\bar{x}$ AVERAGE (PPM)</u>	<u>S STANDARD DEVIATION (PPM)</u>	<u>% > 1 PPM</u>	<u>UPPER CONFIDENCE LIMIT ($\bar{x} + 2 \times S$)</u>
Vinyl Operator	131	2.7	3.6	5	9.9
Mechanical Helper	9	2.3	6.4	11	15.1
Vinyl Shift Supervisor	54	0.4	1.0	4	2.4
Vinyl Utility	50	0.4	0.9	4	2.2
Vinyl Chief Lead	47	0.4	0.7	6	1.8
Yard Operator	54	0.3	1.1	6	2.5
Maintenance Supervisor	34	0.3	0.7	6	1.7
Maintenance Superintendent (I & E)	3	0.3	0.5	0	1.3
"A" Mechanics	276	0.3	2.0	4	4.3
"B" Mechanics	19	0.2	0.4	5	1.0
Yard Supervisor	10	0.2	0.3	0	0.8
Utility Tech.	28	0.1	0.2	0	0.5
Vinyl Operations Engineer	11	0.1	0.2	0	0.5
Vinyl Lead Operator	88	0.1	0.2	0	0.5
Casual Laborer	8	0.1	0.2	0	0.5
Process & Mechanical Engineer	2	0.1	0.1	0	0.3
Laboratory Lead Tech.	5	0.1	0.1	0	0.3
Painter/Insulator/Carpenter	9	0.1	0.1	0	0.3
Instrumentmen & Electricians	18	0.1	0.1	0	0.3
Maintenance Planner	4	0.1	0.1	0	0.3
Lab "A" Tech	11	0.1	0.1	0	0.3
Storekeeper	3	0.1	0	0	0.1
Compound Shift Supervisor	3	0	0.1	0	0.2
Vinyl Operations Supervisor	6	0	0.1	0	0.2

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(Cont.) <u>JOB CATEGORIES</u>	<u>NO. SAMPLES</u>	<u>$\bar{x}$ AVERAGE (PPM)</u>	<u>S STANDARD DEVIATION (PPM)</u>	<u>% > 1 PPM</u>	<u>UPPER CONFIDENCE LIMIT ($\bar{x} + 2 \times S$)</u>
Mechanical Supt.	6	0	0.1	0	0.2
Lab. Shift Supervisor	4	0	0.1	0	0.2
Maintenance Supt. (Mech.)	13	0	0.1	0	0.2
Safety Director, Supv., Inspector	5	0	0.1	0	0.2
Vinyl Operations Supt.	2	0	0	0	0
Compound Operations Supv., Supt.	2	0	0	0	0
Receiving Lead	1	0	-	0	0
Stores Supv.	1	0	-	0	0
Quality Control Supv.	1	0	-	0	0

TABLE 11
SUMMARY OF 1980 LEAD DOSIMETRY RESULTS

<u>JOB CATEGORIES</u>	<u>NO. SAMPLES</u>	<u>$\bar{x}$ AVERAGE (Micrograms Lead PER M³)</u>	<u>S STANDARD DEVIATION (Micrograms Lead PER M³)</u>	<u>% > PEL</u>	<u>UPPER CONFIDENCE LIMIT ($\bar{x} + 2 \times S$)</u>
Color Weigh Compounder	14	92.5	156.9	29	406
Dry Blend Utility	6	53.3	106.7	17	267
Compound Line Compounder	63	28.4*	115.3*	11	59
Compound Operator	10	17.4	26.9	10	71
Compound Utility	8	8.0	5.7	0	19
Dry Blend Compounder	2	5.5	2.3	0	10
Lab. Dev. Tech.	4	3.5	2.9	0	9
Compound Shift Supervisor	5	1.2	2.7	0	7
Lab "A" Tech	10	0.3	0.9	0	2
Lab Lead Tech	4	0	0	0	0
Lab Trainee	1	0	0	0	0

* One value of 21,873 not used in calculations.

TABLE III
PROPOSED SAMPLING FREQUENCIES
VCM/LEAD DOSIMETRY

I. VCM

A. MONTHLY BASIS - One Sample per month per employee in job group.

- 1. Vinyl Operations Engineer
- 2. Vinyl Relief Supervisor
- 3. Vinyl Shift Supervisors
- 4. Vinyl Chief Operators
- 5. Vinyl Operators
- 6. Vinyl Utilities
- 7. Yard Supervisor
- 8. Yard Operators
- 9. Mechanical Superintendent
- 10. Maintenance Superintendent (Mechanical)
- 11. Maintenance Supervisor (I & E)
- 12. Maintenance Supervisors
- 13. Maintenance Planner
- 14. Maintenance "A" & "B" Mechanics
- 15. Maintenance Helpers

B. YEARLY BASIS - One sample per job group per year

- 1. Vinyl Operations Superintendent
- 2. Vinyl Operations Supervisor
- 3. Process Engineers
- 4. Mechanical Engineers
- 5. Safety Director
- 6. Safety Supervisor
- 7. Safety Inspector
- 8. Instrumentmen
- 9. Electricians
- 10. Compound Operations Superintendent
- 11. Compound Operations Supervisor
- 12. Compound Shift Supervisors
- 13. Quality Control Supervisor
- 14. Lab Shift Supervisors
- 15. Lab "A" Techs.
- 16. Lab Lead Techs.
- 17. Stores Supervisor
- 18. Receiving Lead
- 19. Storekeepers
- 20. Plant Manager
- 21. Plant Superintendent
- 22. Maintenance Utility Techs.
- 23. Vinyl Lead Operators

TABLE III
PROPOSED SAMPLING FREQUENCIES
VCM/LEAD DOSIMETRY
(Cont.)

II. LEAD

- A. MONTHLY BASIS - One sample per month per employee in job group.
1. Color Weigh Compounder
 2. Dry Blend Utility
 3. Compound Line Compounders
 4. Compound Operators - Re-evaluate after June, 1981
- B. QUARTERLY BASIS - One sample per month per employee in job group.
1. Compound Utilities
- C. YEARLY BASIS - One sample per job group per year.
1. Dry Blend Compounders
 2. Lab. Devel. Techs.
 3. Compound Shift Supervisors
 4. Lab "A" Techs.
 5. Lab Lead Techs.
 6. Lab Trainees