



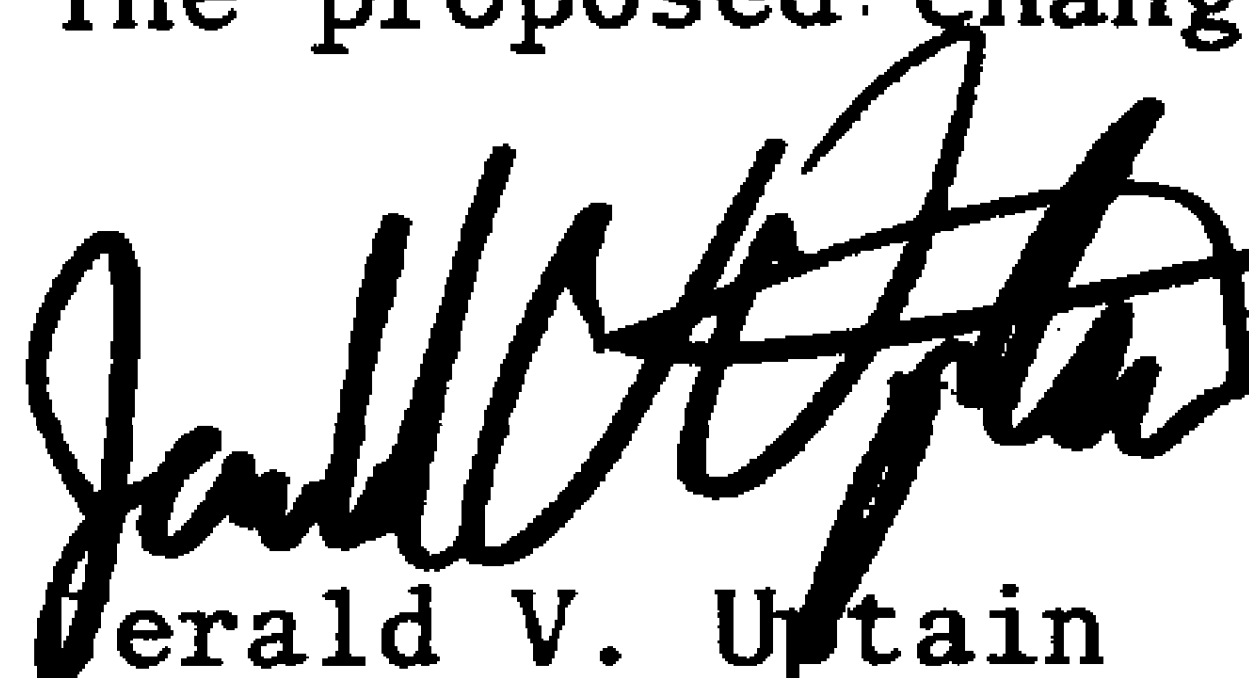
Interoffice Communication

To A. H. Sather
From J. V. Uptain
Date June 21, 1978
Subject VCM DOSIMETRY PLAN CHANGES

Attached are my recommendations for reducing plant VCM dosimetry (See Table II). These recommendations are based on:

1. The results of all dosimetry (361 samples) from 3/1/78 through 5/31/78. All samples were taken using the REAL "Minimonitor" and represent conditions with both reactor modules in operation.
2. A purely subjective assessment of relative exposure risks, irrespective of sampling results.

The proposed change would reduce sampling by 28%.


Gerald V. Uptain

jf

Attachments

c: GGD, DWF, JAF, DSC, Department Heads

TABLE I

SUMMARY OF VCM DOSIMETRY RESULTS

MARCH 1, 1978 - MAY 31, 1978

<u>Workforce Group</u>	<u>No. Samples</u>	<u>Mean (PPM,VCM)</u>	<u>Std. Deviation (PPM,VCM)</u>	<u>2-Sigma Upper Control Unit (PPM,VCM)</u>
<u>I. Annual Schedule</u>				
1. Compound Supervisors	6	0.23	0.07	0.26
2. Dry Blend Operators	5	0.12	0.002	0.04
3. Compound Operators	4	0.10	0.00	0.10
4. Trans. Warehouse Workers	3	0.10	0.00	0.10
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<u>II. Quarterly Schedule</u>				
1. Storeroom Supervisor	2	0.15	0.05	0.25
2. Lab Lead Techs	4	0.10	0.00	0.10
3. Lab "A" Techs	9	0.11	0.57	0.23
4. Warehouse Workers	4	0.15	0.09	0.32
5. Storekeepers	3	0.10	0.00	0.10
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<u>III. Monthly Schedule</u>				
1. Maint. Bldg. Attendants	2	0.05	0.05	0.15
2. Maint. Util. Techs	11	0.33	0.47	1.28
3. Maint. Instr. Techs	13	0.12	0.08	0.29
4. Maint. Painters & Machinist	9	0.14	0.13	0.39
5. Maint. Electricians	10	0.09	0.03	0.15
6. Maint. Supervisors	24	0.77	2.90	6.58
7. Maint. "A" Mechanics	54	0.87	5.38	11.62
8. Maint. "B" Mechanics	8	0.19	0.27	0.73
9. Maint. Helpers	7	0.09	0.04	0.16
10. Yard Operators	13	1.69	3.26	8.20
11. Yard Supervisor	4	0.08	0.04	0.16
12. Vinyl Shift Supervisors	16	0.17	0.12	0.41
13. Vinyl LR Lead Oper.	12	0.29	0.44	1.17
14. Vinyl LR Operators	23	1.77	3.69	9.14
15. Vinyl Dryer Lead Oper.	8	0.49	1.55	1.59
16. Vinyl Dryer Util., Oper., Helpers	38	0.23	0.35	0.94
17. Process Engineers	15	0.11	0.03	0.18
18. Safety	11	0.16	0.14	0.43
19. Mechanical Engineers	22	0.12	0.10	0.31
20. Plant Mgr, Supt.	6	0.35	0.36	1.06
21. Dev. Lab. Techs.	5	0.17	0.12	0.40
22. Lab Supervisors	10	0.10	0.00	0.10
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TABLE II
REVISED SAMPLING PLAN
VCM DOSIMETRY

<u>A. MONTHLY SAMPLES</u>	<u>No. Samples</u>
1. Operations Superintendent	1
2. Vinyl Operations Engineer	1
3. Vinyl Operations Supervisor	1
4. Vinyl Shift Supervisors	5
5. Reactor Lead Operators	4
6. Reactor Operators	8
7. Dryer Lead Operators	4
8. Dryer Operators	8
9. Dryer Utilities	8
10. Yard Supervisor	1
11. Yard Operators	5
12. Mechanical Superintendent	1
13. Maintenance Planner	1
14. Maintenance Superintendent (Mech.)	1
15. Maintenance Supervisors	3
16. General Mechanics	27
17. Maintenance Helpers	3
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 <u>B. QUARTERLY SAMPLES (One Sample Per Work Group)</u>	
1. Mechanical Engineering Department	1
2. Process Engineering Department	1
3. Safety Department	1
4. Maintenance Superintendent (I & E)	1
5. Electricians	1
6. Instrument Technicians	1
7. Painter-Insulator-Carpenters	1
8. Maintenance Utility Technicians	1
	8
 <u>C. ANNUAL SAMPLES</u>	
1. Compound Operations Engineer	1
2. Compound Operations Supervisor	1
3. Compound Shift Supervisors	5
4. Stores Supervisor	1
5. Storekeepers	1
6. "A" & "B" Warehouse Workers	1
7. Receiving Lead	1
8. Chief Plant Chemist	1
9. Compound Development Chemist	1
10. Manufacturing Chemist	1
11. Quality Control Supervisor	1
12. Lab Shift Supervisors	4
13. Lab Lead Technicians	4
14. Lab Development Technicians	1
15. Lab "A" & "B" Technicians	4
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