

GOODYEAR

TO
DEPT.
AT
TERR. I
COPY TO

S H Kernaghan
Technical Superintendent
Niagara Falls

F R Tully, W R Miller, R G Cummings,
R W Modrell, F V Prus, D H Francis,
J N Gilmore, R P Mitchell, W C Toner

FROM

FIELD POINT _____ TERR. I _____

GENERAL
OFFICE Dayport Chemical Plant

DATE October 23, 1978

ANSWERING
LETTER DATED _____

SUBJECT

QUARTERLY INDUSTRIAL HYGIENE MONITORING SCHEDULE

Attached is the recommended minimum quarterly industrial hygiene monitoring schedule for the Niagara Falls Plant. This schedule was accomplished by a comparison of your schedule and the most recent CHAT printout.

You will note that this is a minimum recommendation and therefore, certain chemicals with a combination of high TLV's and low exposure potential have been omitted. Some chemicals without official or recognized TLV's have been included in the required sampling because of their toxic, irritating or otherwise suspect nature.

Before sampling for any chemical that might be considered non-routine, please contact Corporate Industrial Hygiene in Akron to ensure that an analytical method exists, in order that the Corporate Laboratory may complete the analysis of your samples.

You will note that vinyl chloride (VC) personnel sampling requirements have been lowered, compared to your recent actual sampling accomplished. The peak (15 minute) exposure samples are felt to be unnecessary except for the new expansion (French process) unit. The number of samples required is lowered from the current approx 120+ samples per month down to eighty. Even this number of samples for VC should be able to be lowered, considering your excellent exposure record to VC and the sampling requirements of the OSHA standard CFR 1910.1017.

This schedule is for chemical hazards only, but monitoring for noise and possibly heat stress should be conducted as necessary or when possible.

Please call if you have any questions.



Manager, Industrial Hygiene
Chemical Division

J G Collins

rlh

attachment

714001

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J G Collins

rjh

attachment



Manager, Industrial Hygiene
Chemical Division

714001

October 23, 1978

NIAGARA FALLS CHEMICAL PLANT - QUANTITATIVE IND. HYG. MONITORING SCHEDULE

<u>CHEMICAL</u>	<u>CHART ID NO.</u>	<u>APPROXIMATE NUMBER EMPLOYEES EXPOSED</u>	<u>NUMBER SAMPLES REQUIRED</u>	<u>SAMPLES TAKEN</u>
1. Isopropanol	58	90	4	26
2. Toluene	61	90	4	26
3. Sulfuric Acid	271	50	2	6
* 4. Carbon Disulfide	313	90	8	13
5. Andolina (Oil)	385	50	2	1
* 6. Aniline	392	90	8	26
* 7. Hydroquinone	393	90	12	52
* 8. O-Toluidine	399	90	8	26
9. Morpholine	402	90	8	26
10. Diphenylamine	403	90	4	26
11. Chlorine	410	50	4	4
* 12. Nitrobenzene	411	90	8	26
13. Xylenes	425	90	8	26
14. Vinyl Chloride	427	110	240	*800
15. Mixed Toluidines	433	90	6	26
16. Sodium Hydroxide	502	50	2	6
17. Tetrahydrofuran	1075	110	6	39
18. PVC Resin (Dust)	2060	70	12	156
19. Hydrogen Chloride	2230	50	2	*0
20. Hydrogen Sulfide	4331	50	6	15
21. Lagaron (DUST)		90	12	156
22. Mailax (DUST)		90	12	156
23. Sulfur Dioxide		50	8	15
24. Carbon Monoxide		50	4	15
Total			390	

* Priority

* METHOD JUST DEVELOPED

* 15 MIN CARBON TUBES - 340
8 HE CARBON TUBES - 460

approximate

AMMONIA
PEROXIDES
METHYLAL CHLORIDE
CYCLOHEXANONE
METHYLETHYLKETONE

14
2
2
2
2

J. Honick

714002

October 23, 1976

NIAGARA FALLS CHEMICAL PLANT - QUANTITATIVE IND. HYG. MONITORING SCHEDULE

	<u>CHEMICAL</u>	<u>CHART ID NO.</u>	<u>APPROXIMATE NUMBER EMPLOYEES EXPOSED</u>	<u>NUMBER SAMPLES REQUIRED</u>	<u>Samples TAKEN</u>
1.	Isopropanol	58	90	4	26
2.	Toluene	61	90	4	26
3.	Sulfuric Acid	271	50	2	6
*	4. Carbon Disulfide	315	90	8	13
	5. Andoline (Oil)	385	50	2	1
*	6. Aniline	392	90	8	26
*	7. Hydroquinone	393	90	12	52
*	8. O-Toluidine	399	90	8	26
	9. Morpholine	402	90	8	26
	10. Diphenylamine	403	90	4	26
	11. Chlorine	410	50	4	4
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	13. Xylidines	425	90	8	26
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	15. Mixed Toluidines	433	90	6	26
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	18. PVC Resin (Dust)	2060	70	12	156
	19. Hydrogen Chloride	2230	50	2	* 0
	20. Hydrogen Sulfide	4331	50	6	15
	21. Lagarax (DUST)		90	12	156
	22. Nailax (DUST)		90	12	156
	23. Sulfur Dioxide		50	8	15
	24. Carbon Monoxide		50	4	15

Total

390

* Priority

* METHOD JUST DEVELOPED

* 15min Carbon Tubes - 340
 8 Hr Carbon Tubes - 460 → approximate

AMMONIA
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METHYLAL CHLORIDE
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METHYLETHYL KETONE

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J. Horick

714002