



INTER-ORGANIZATION MEMO

TO ASHTABULA
ATTENTION David Jenkins
FROM C. G. Lopez - Akron
DATE April 9, 1980
SUBJECT PVC Dust Air Sampling

Attached are the results for the sampling we conducted for PVC respirable dust. As you can see, we had no readings that even approached 5 mg/M³.

I suggest additional samples for verification of these results.

Please file all sample results for future reference.

C. Gary Lopez
C. Gary Lopez

Attachment

PERSONNEL MONITORING DATA
MEDIUM AND HIGH FLOW SAMPLING

PLANT ASHTABULA
DATE 2-27-80
SAMPLED BY C. G. LOPEZ

SAMPLING EQUIPMENT MSA MODEL 15 NAME OF SUBSTANCE COLLECTED P.V. 3. RESPIRABLE DUST
COLLECTOR TYPE BYCLONE - PVC FILTER

SAMPLE NO. AND DATE TAKEN	SAMPLING LOCATION (Dept., Etc.)	EMPLOYEE NAME S.S. NO. JOB TITLE	SPECIFIC OPERATIONS	PUMP SERIAL NO.	SAMPLE TIME	FLOW RATE LITERS/MIN.	REMARKS	RESPIRATOR WORN (Check One)			CALCULATIONS & ANALYSIS			
								NONE	AIR	CART.	SAMPLE TIME Min.	SAMPLE Vol. Liters	CONCENTRATION	
													TOTAL (mg)	mg/M ³
2-18-7 2-27-80	DRYER OPERATOR DRYER	DON EVANS 279-52-7415	DRYER OPERATOR	2F-22	ON 11:35 1:35 OFF	INITIAL 1.75 LPM 1.25 LPM FINAL		✓			120	180	1.6	0.13
2-18-6 2-27-80	BAGGER STATION WAREHOUSE	L. E. KREIDER 154-30-2149	BAGS "AB" RESIN	452475 #1	ON 11:40 3:40 OFF	INITIAL 1.75 LPM 1.75 LPM FINAL		✓			240	420	0.05	0.0
2-18-5 2-27-80	BAGGER AREA	AREA	AREA SAMP.	2405	ON 11:40 3:40 PM OFF	INITIAL 1.5 LPM 1.55 LPM FINAL	W 155 10 DUST	N			240	360	2.0	0.0
2-18-4 2-27-80	BAGGER STATION WAREHOUSE	L. E. KREIDER 154-30-2149	BAGS AB	27 452475	ON 1:00 1:00 OFF	INITIAL 1.75 LPM 1.75 LPM FINAL		✓			355	621	0.05	0.08
2-18-8 2-27-80	DRYER BAGGING	W. OSBORNE 289-32-584	BAGS LIFTERS	#6 456175	ON 1:05 1:05 OFF	INITIAL 1.75 LPM 1.75 LPM FINAL		✓			355	621	0.05	0.03
2-18-2 2-28-80	DRYER BAGGING	L. E. KREIDER 154-30-2849	BAGS LIFTERS	2F 2004	ON 2:55 2:00 PM OFF	INITIAL 1.75 LPM 1.60 LPM FINAL		✓			305	511	0.05	0.10
2-18-3 2-28-80	"A" OPERATOR	BILL PRICE 280-24-44-1	HANDLES BULK SYSTEM AT LIFTERS	452475 #1	ON 9:10 2:00 PM OFF	INITIAL 1.75 LPM 1.70 LPM FINAL		✓			290	500	0.0	0.00

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ROTAMETER CALIBRATION DATE 2/27/80

LOG NO. 02755 DATE RECEIVED 3/5/80 DATE REPORTED 3/6/80 ANALYZED BY GENC
THE mg/M³ VALUE IS NOT NECESSARILY AN 8-HOUR TIME-WEIGHTED VALUE. IT IS BASED ON THE SPECIFIC AIR VOLUME SAMPLED GENC 005679

PERSONNEL MONITORING DATA
MEDIUM AND HIGH FLOW SAMPLING

PLANT A. H. HULL

DATE 3-1-80

SAMPLED BY C. G. LOPEZ

SAMPLING EQUIPMENT M. A. Model

COLLECTOR TYPE Filter

NAME OF SUBSTANCE COLLECTED 1. V.

SAMPLE NO. AND DATE TAKEN	SAMPLING LOCATION (Dept., Etc.)	EMPLOYEE NAME S.S. NO. JOB TITLE	SPECIFIC OPERATIONS	PUMP SERIAL NO.	SAMPLE TIME	FLOW RATE LITERS/MIN.	REMARKS	RESPIRATOR WORN (Check One)			CALCULATIONS & ANALYSIS			
								NONE	AIR	CART.	SAMPLE TIME Min.	SAMPLE Vol. Liters	CONCENTRATION TOTAL (mg)	mg/M ³
2-18-1 2-27-80	DRYER DRYER DRYER	DON EVANS 274-52-7445	DRYER OPERATOR	2F-10	ON 11:35 OFF 1:25 P.M. FINAL	INITIAL 1.75 LPM 1.75 LPM FINAL		✓			120	180	0.06	0.55
2-18-6 2-27-80	BAGGING STATION WAREHOUSE	L. E. KRIDER 154-30-2849	BAGS "AB" RE-IN	458415 #1	ON 11:40 OFF 3:40 P.M. FINAL	INITIAL 1.75 LPM 1.75 LPM FINAL		✓			240	420	0.05	0.12
2-18-5 2-27-80	BAGGING AREA	APLA	AREA SAMPLE	2405	ON 11:40 OFF 3:40 P.M. FINAL	INITIAL 1.5 LPM 1.5 LPM FINAL	1.5 LPM DUST	✓			240	366	0.00	0.00
2-18-4 2-27-80	BAGGING STATION WAREHOUSE	R. CARTER 274-30-2221	BAGGING AB	#7 458415	ON 1:15 OFF 1:15 P.M. FINAL	INITIAL 1.75 LPM 1.75 LPM FINAL		✓			355	621	0.05	0.08
2-18-8 2-27-80	DRYER BAGGING	W. OSBORNE 289-32-589	BAGGING LITERS	#6 458415	ON 1:15 OFF 1:15 P.M. FINAL	INITIAL 1.75 LPM 1.75 LPM FINAL		✓			355	621	0.02	0.03
2-18-2 2-28-80	DRYER BAGGING	L. E. KRIDER 154-30-2849	BAGGING LITERS	2F-10	ON 1:15 OFF 2:00 P.M. FINAL	INITIAL 1.75 LPM 1.60 LPM FINAL		✓			305	511	0.05	0.10
2-18-3 2-28-80	"A" OPERATOR	BILL PRICE 289-34-4111	HANDLES LITERS	458415 #1	ON 1:15 OFF 2:00 P.M. FINAL	INITIAL 1.75 LPM 1.70 LPM FINAL		✓			290	500	0.00	0.00

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ROTAMETER CALIBRATION DATE 1-1-80

LOG NO. _____ DATE RECEIVED _____ DATE REPORTED _____ ANALYZED BY _____

GENC 005680

*THE mg/M³ VALUE IS NOT NECESSARILY AN 8-HOUR TIME-WEIGHTED VALUE. IT IS BASED ON THE SPECIFIC AIR VOLUME SAMPLED.

PLANT PVC PLANT 1154 TUBULAR, Q.
 DATE 5-23-80
 SAMPLED BY E. Rieventend

PERSONNEL MONITORING DATA
 MEDIUM AND HIGH FLOW SAMPLING
 SAMPLING EQUIPMENT CASSETTE-
 COLLECTOR TYPE CYCLONE

NAME OF SUBSTANCE COLLECTED
(PVC) Respiration Dust

SAMPLE NO. AND DATE TAKEN	SAMPLING LOCATION (Dept., Etc.)	EMPLOYEE NAME S.S. NO. JOB TITLE	SPECIFIC OPERATIONS	PUMP SERIAL NO.	SAMPLE TIME	FLOW RATE LITERS/MIN.	REMARKS	RESPIRATOR WORN (Check One)			CALCULATIONS & ANALYSIS			
								NONE	AIR	LOAF	SAMPLE TIME Min.	SAMPLE Vol. Liters	TOTAL (mg)	CONCENTRATION mg/M ³
051501 5-22-80	MIXING DEP	GINGERICH, A MIXER OPERATOR	MIXING & DROPPING BATTERIES CLEANING R.B. BLANDER	MSA-S R-79 3491	ON 0820 1450 OFF	INITIAL 1.7 FINAL 1.62	AVE. 1.66 L	✓			390	647.4	0.17	0.17
051502 5-22-80	MIXING Room UPSTAIRS	AREA	MIXING DRY BLEND BATTERIES	MSA-S R-74 0684	ON 0820 1140 OFF	INITIAL 1.7 FINAL 1.58	AVE. 1.46 L	✓			200	201.2	0.4	0.15
051505	CONTROL				ON	INITIAL								
					OFF	FINAL								
					ON	INITIAL								
					OFF	FINAL								
					ON	INITIAL								
					OFF	FINAL								
					ON	INITIAL								
					OFF	FINAL								
					ON	INITIAL								
					OFF	FINAL								

GENC 005681

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ROTAMETER CALIBRATION DATE _____

00124

DATE RECEIVED

DATE REPORTED

ANALYZED BY

PLANT PVC PLANT ASHTABULA, O.

DATE 5-23-80

SAMPLED BY E. Riestad

PERSONNEL MONITORING DATA
MEDIUM AND HIGH FLOW SAMPLING
SAMPLING EQUIPMENT CASSETTE
COLLECTOR TYPE CYCLONE

NAME OF SUBSTANCE COLLECTED
(PVC) RESPIRABLE DUST

SAMPLE NO. AND DATE TAKEN	SAMPLING LOCATION (Dept., Etc.)	EMPLOYEE NAME S.S. NO. JOB TITLE	SPECIFIC OPERATIONS	PUMP SERIAL NO.	SAMPLE TIME	FLOW RATE LITERS/MIN.	REMARKS	RESPIRATOR WORN (Check One)			CALCULATIONS & ANALYSIS			
								NONE	AIR	CAFT.	SAMPLE TIME Min.	SAMPLE Vol. Liters	CONCENTRATION TOTAL (mg)	mg/M ³
051501 5-23-80	MIXING Dep	GINGERICH, R MIXER OPERATOR	MIXING & DROPPING BATCHES CLEANING S.B. BLANDE	MSA-S R-79 3491	ON 0820 OFF 1450	INITIAL 1.7 FINAL 1.62	AVE. 1.66L	✓			390	647.4	0.77	1.17
051502 5-23-80	MIXING Room UPSTAIRS	AREA	MIXING DRY BLEND BATCHES	MSA-S R-74 8684	ON 0820 OFF 1140	INITIAL 1.7 FINAL 1.58	AVE. 1.46 L	✓			220	321.2	0.4	0.75
051505	Control				ON	INITIAL								
					OFF	FINAL								
					ON	INITIAL								
					OFF	FINAL								
					ON	INITIAL								
					OFF	FINAL								
					ON	INITIAL								
					OFF	FINAL								
					ON	INITIAL								
					OFF	FINAL								
					ON	INITIAL								
					OFF	FINAL								

GENC 005682

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ROTAMETER CALIBRATION DATE _____

00124

DATE RECEIVED

DATE REPORTED

ANALYZED BY

PVC
PLANT ASTHABULN, OHIO
DATE 5-15-80
SAMPLED BY Ed Kierstead

PERSONNEL MONITORING DATA
MEDIUM AND HIGH FLOW SAMPLING
SAMPLING EQUIPMENT CASSETTE-Cyclone
COLLECTOR TYPE RV FILTER

NAME OF SUBSTANCE COLLECTED
RESPIRABLE DUST-MAINLY PVC.

RECEIVED

SAMPLE NO. AND DATE TAKEN	SAMPLING LOCATION (Dept., Etc.)	EMPLOYEE NAME S.S. NO. JOB TITLE	JUN 2 1980 SPECIFIC LOCATION	PUMP SERIAL NO.	SAMPLE TIME	FLOW RATE LITERS/MIN.	REMARKS	RESPIRATOR WORN (Check One)			CALCULATIONS & ANALYSIS			
								NONE	AIR	CART.	SAMPLE TIME Min.	SAMPLE Vol. Liters	CONCENTRATION TOTAL (mg)	mg/M ³
4-28-80 4-17-1	SIFTER PLATFORM DRYER-2	AREA	V120C lot 80-10 GOING TO SILO 14	R-79- 3491 MSA MODEL S	ON 0830 1500 OFF	INITIAL 1.7 FINAL 1.4	POOR FAN OFF HOUSE- KEEPING FINESS	✓			390	604.5	0.06	0.10
4-28-80 4-17-2	SIFTER PLATFORM DRYER #3	AREA	V105 80-33 GOING TO-SILO 15	R-74- 0684 MSA S	ON 0840 1510 OFF	INITIAL 1.4 FINAL 1.8	HOUSEKEEPING GOOD FAN ON AVE 1.75	✓			390	682.5	0.04	0.06
4-17-12	CONTROL SAMPLE- BLANK	TO BE USED FOR SAMPLES 4-17-1 thru 4-17-11			ON OFF	INITIAL 1 FINAL								
4-30-80 4-17-3	RESIN FINISHING WAREHOUSE	GROVES RESIN FINISHING HELPER	ROUTINE DUTIES BAG 7 HRS ON NO. 3 DRYER-V65 80-12 2-SIFTER	R-79- 3491 MSA MODEL S	ON 0825 1535 OFF	INITIAL 1.7 AVE. 1.63 FINAL 1.36	V105 GOING TO SILO-2 LOT 80-40 V65-80-12 GOING TO-BAGS	✓			430	701	0.01	0.01
4-30-80 4-17-4	RESIN FINISHING WAREHOUSE	SPENCER RESIN FINISHING OPERATOR	ROUTINE DUTIES BAG 1 HR. ON NO. 2 DRYER CLEANED 3 SIFTER	R-74- 0684 MSA-S	ON 0830 1535 OFF	INITIAL 1.7 FINAL 1.68	V65 80-11 GOING TO SILO 15 AVE 1.69	✓			435	718.3	0.07	0.10
5-1-80 4-17-5	WAREHOUSE BULK TRUCKS TRUCK	OSBURN, W AB OPERATOR	OPERATING BULK LOADING SYSTEM	R-74 0684	ON 0805 1550 OFF	INITIAL 1.4 FINAL 1.68	AVE. 1.69	✓			465	785.9	0.20	0.25
5-1-80 4-17-6	LAB RESIN FINISHING B. TRUCK INSP.	LOCKE, LAB TECH	TESTING DRYER SAMPLES	R-79 3491	ON 0810 1525 OFF	INITIAL 1.7 FINAL 1.6	V65 80-11 V105 80-40 V65 80-12 AVE. 1.65	✓			435	717.8	0.21	0.29

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FLOW METER FISCHER & PORTER CO.
MODEL 10A1338 SER. NO. 771240199A1

ROTAMETER CALIBRATION DATE

LOG NO. 00106 DATE RECEIVED 5/17/80 DATE REPORTED 5/20/80 ANALYZED BY T. J. J.

* THE mg/M³ VALUE IS NOT NECESSARILY AN 8-HOUR TIME-WEIGHTED VALUE. IT IS BASED ON THE SPECIFIC AIR VOLUME SAMPLED.

GENC 005683

PLANT PVC Plant
Ashtabula, Ohio
 DATE 5-15-80
 SAMPLED BY Ed Kerstead

MEDIUM AND HIGH FLOW SAMPLING
 SAMPLING EQUIPMENT CASSIDIE-Cyclone
 COLLECTOR TYPE PVC FILTER

NAME OF SUBSTANCE COLLECTED
NOISANCE RESPIRABLE D_u
MAINLY - PVC

SAMPLE NO. AND DATE TAKEN	SAMPLING LOCATION (Dept., Etc.)	EMPLOYEE NAME S.S. NO. JOB TITLE	SPECIFIC OPERATIONS	PUMP SERIAL NO.	SAMPLE TIME	FLOW RATE LITERS/MIN.	REMARKS	RESPIRATOR WORN (Check One)			CALCULATIONS & ANALYSIS			
								NONE	AIR	CART.	SAMPLE TIME Min.	SAMPLE Vol. Liters	CONCENTRATION TOTAL (mg)	mg/M ³
5-3-80 4-17-7	NO. 1 SIFTER PLATFORM	AREH	LIFTING OF DRY RESIN	R-79- 3491 MSA S	ON 0810 OFF 1525	INITIAL 1.7 FINAL 1.56	SOME RESIN LEAKING FROM TOP OF SIFTER UNIT. AVE 1.63				435	709.1	0.06	0.08
5-3-80 4-17-8	BULK TRANSFER ROOM UPSTAIRS	AREH	TRANSFER OF RESIN TO BULK TRUCK TRUCK CARS.	R-44 0684 MSA S	ON 0815 OFF 1520	INITIAL 1.7 FINAL 1.36	AVE 1.53				425	650.3	0.10	0.15
5-7-80 4-17-9	WAREHOUSE BY RESCREEN BARREL	AREH W. PRICE S. URBAN	SLITTING BAGS RESIN & DUMPING INTO BARREL THAT IS VACUUMED TO SL	R-79 3491 MSA S	ON 0915 OFF 1545	INITIAL 1.7 FINAL 1.52	MORE THAN ONE PERSON INVOLVED - SO AREH SAMPLED AVE 1.61	✓			390	627.9	0.11	0.18
5-9-80 4-17-10	RESIN FINISHING #2 DRIER	CARTER, R OPERATOR HELPER	BAGGING - VIO 80-70	R-79 3491 MSA-S	ON 0825 OFF 1600	INITIAL 1.7 FINAL 1.5	AVE 1.6	✓			455	728	0.16	0.26
5-11-80 4-17-11	AB BAGGER ON CHAIN ABOVE SPOUTS	AREH VANBUREN BAGGING	BAGGING V50 80-17 ALL DAY	R-79 3491 MSA-S	ON 0950 OFF 1535	INITIAL 1.7 FINAL 1.5	SET AT OPERATORS BREATHING HEIGHT AVE 1.6	✓			345	552	0.07	0.13
					ON	INITIAL								
					OFF	FINAL								
					ON	INITIAL								
					OFF	FINAL								

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ROTAMETER CALIBRATION DATE _____

LOG NO. 00106 DATE RECEIVED 5/19/80 DATE REPORTED 5/20/80 ANALYZED BY T. J. J. J.

*THE mg/M³ VALUE IS NOT NECESSARILY AN 8-HOUR TIME-WEIGHTED VALUE. IT IS BASED ON THE SPECIFIC AIR VOLUME SAMPLED.

GENC 005684

PERSONNEL MONITORING DATA

MEDIUM AND HIGH FLOW SAMPLING

Pg. 1

PLANT PVE ASHTABULA, OHIOSAMPLING EQUIPMENT CASSETTE - Cyclic

NAME OF SUBSTANCE COLLECTED

DATE 4-10-80

RECEIVED

COLLECTOR TYPE

PVE FILTERNUISANCE RESPIRABLE DUSAMPLED BY E. Kleinstad

10/10/80

MAINLY - PVE

SAMPLE NO. AND DATE TAKEN	SAMPLING LOCATION (Dept., Etc.)	EMPLOYEE NAME S.S. NO. JOB TITLE	R. W. Laundrie SPECIFIC OPERATIONS	PUMP SERIAL NO.	SAMPLE TIME	FLOW RATE LITERS/MIN.	REMARKS	RESPIRATOR WORK (Check One)		CALCULATIONS & ANALYSIS			
								NONE	AIR	CART.	SAMPLE TIME Min.	SAMPLE Vol. Liters	CONCENTRATION TOTAL (mg) mg/m ³
3-10-1 3-25-80	RESIN FINISHING & Auto-BAG.	VANBUREN, G. 293-52-8845 FINISHING HELPER	BAG ON AB (VSO) 1' 20" CLEAN B3 DRYER CHANGE FILTERS 1' 40" BAG (VSO) 1' 25"	R-79- 3491 MSA-S	ON 0500 1545 OFF	INITIAL 1.7 1.0 FINAL	ave 1.35 L/MIN	✓			465	697.5	0.05 0.08
3-10-2 3-25-80	RESIN FINISHING OPERATOR	EVANS, D. E. JR. 279-55-7495 FINISHING OPERATOR	ROUTINE DUTIES	R-74- 0684 MSA-S	ON 0815 1545 OFF	INITIAL 1.7 1.4 FINAL	ave 1.55 L/MIN	✓			450	697.5	0.07 0.11
3-10-12	BLANK ON DESK IN OFFICE		CONTROL SAMPLE		ON OFF	INITIAL 1.7 FINAL	TO BE USED FOR ALL SAMPLES IN THIS GROUP (12 CASSETTES)	-	-	-	-	-	-
3-10-3 3-26-80	RESIN FINISHING	GELSON, J. 220-32-4942 FINISHING OPERATOR	ROUTINE DUTIES	R-79- 3491 MSA-S	ON 0755 1545 OFF	INITIAL 1.7 1.7 FINAL	ave 1.7	✓			470	749.0	0.02 0.02
3-10-4 3-26-80	LABORATORY	WIEBB, E. 268-64-8604 LAB TECH	ROUTINE DUTIES - & RESIN FINISHING SAMPLES	R-74- 0684 MSA-S	ON 0805 1515 OFF	INITIAL 1.7 1.8 FINAL	ave 1.75	✓			460	805.0	0.10 0.16
3-10-5 3-27-80	Bulk TRUCK AB	COURSEY, T. 292-32-3578 OPERATOR	LOADING BULK TRUCKS, PAUL CARS.	R-74- 3491 MSA-S	ON 0800 1515 OFF	INITIAL 1.7 1.58 FINAL	ave 1.64	✓			465	762.6	0.03 0.04
3-10-6 3-27-80	RESIN FINISHING	KREIDER, L. 159-30-2949 FINISHING HELPER	FILKING TOTAL DRYER DASKING	R-74 0684 MSA-S	ON 0810 1515 OFF	INITIAL 1.7 1.8 FINAL	AVE 1.75	✓			455	776.5	0.39 0.41

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ROTAMETER CALIBRATION DATE 3-25-80LOG NO. 2025DATE RECEIVED 4/17/80DATE REPORTED 4/17/80ANALYZED BY AKC*THE mg/m^3 VALUE IS NOT NECESSARILY AN 8-HOUR TIME-WEIGHTED VALUE. IT IS BASED ON THE SPECIFIC AIR VOLUME SAMPLED

GENC 005685

PLANT ASHTABULA AveDATE 4-10-80SAMPLED BY E. Kivert

PERSONNEL TORING DATA

MEDIUM AND HIGH FLOW SAMPLING

SAMPLING EQUIPMENT CASSETTE-CYCLONECOLLECTOR TYPE AIR FILTER

NAME OF SUBSTANCE COLLECTED

NUISANCE DUST-MAINLYPOLYVINYLCHLORIDE RESIN

SAMPLE NO. AND DATE TAKEN	SAMPLING LOCATION (Dept., Etc.)	EMPLOYEE NAME S.S. NO. JOB TITLE	SPECIFIC OPERATIONS	PUMP SERIAL NO.	SAMPLE TIME	FLOW RATE LITERS/MIN.	REMARKS	RESPIRATOR WORN (Check One)			CALCULATIONS & ANALYSIS			
								NONE	AIR	CART.	SAMPLE TIME Min.	SAMPLE Vol. Liters	CONCENTRATION	
													TOTAL (mg)	mg/M ³
3-10-7 3-28-80	#2 SIFTER PLATFORM	AREA	BAGGING V313 80-4	R-74- 0684 MSA-S	ON 0810 1535 OFF	INITIAL 1.7 FINAL 1.2	VENT FAN OFF- NO SIFTER WENT REQUIRED THIS DAY AVE. 1.45	✓			445	645.5	1.38	2.14
3-10-8 3-28-80	#3 SIFTER PLATFORM	AREA	V110 80-33 going to silo	R-79- 3441 MSA-S	ON 0815 1540 OFF	INITIAL 1.7 FINAL 1.56	VENT FAN OFF- NO SIFTER WENT REQUIRED THIS DAY AVE. 1.63	✓			445	725.55	0.19	0.26
3-10-9 3-31-80	#1 SIFTER PLATFORM	AREA	V107-80-45 going to silo	R-74- 3491 MSA-S	ON 0805 1540 OFF	INITIAL 1.7 FINAL 1.54	VENT FAN OFF AVE. 1.62	✓			445	720.9	0.14	0.19
3-10-10 3-31-80	Bulk RESIN TRANSFER Room	AREA	TRANSFERRING RESIN TO RAILCARS & Bulk Trucks	R-74- 0684 MSA-S	ON 0810 1545 OFF	INITIAL 1.7 FINAL 1.72	ON FIRST SIDE DOWN- STAIRS- AVE. 1.71	✓			455	778.05	0.14	0.18
3-10-11 4-1-80	Bulk SHIPPING	URBAN, S AB OPERATOR	LOADING BULK TRUCKS RAILCARS	R-74- 0684	ON 0800 1535 OFF	INITIAL 1.7 FINAL 1.36	3 BULK SHIPMENTS MADE AVE 1.53	✓			455	696.5	0.05	0.07
					ON OFF	INITIAL FINAL								
					ON OFF	INITIAL FINAL								

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ROTAMETER CALIBRATION DATE _____

LOG NO. 107DATE RECEIVED 4/11/80DATE REPORTED 4/11/80ANALYZED BY E. KivertTHE mg/M^3 VALUE IS NOT NECESSARILY AN 8-HOUR TIME-WEIGHTED VALUE. IT IS BASED ON THE SPECIFIC AIR VOLUME SAMPLED.

GENC 005686