

MANVILLE
INDUSTRIAL HYGIENE SURVEY SUMMARY



PLANT: DENISON
DIVISION: PIPE

DATE OF REPORT: DEC 8, 1982
PLANT MANAGER: W.G. BURNETT
SURVEY DATE: OCT 18, 1982

I. PERSONAL SAMPLES

A. The station(s) listed below are discussed in our cover letter and deserve your particular attention. They are not necessarily selected because of TLV violations and, in fact, some stations over TLV may not be listed here.

<u>STATION NUMBER</u>	<u>STATION DESCRIPTION</u>	<u>% OVER TLV</u>
D-16F	PERSONAL - #2 UCL OPERATOR	UNDER
D-17F	PERSONAL - BORING MILL OPERATOR	UNDER
D-26F	PERSONAL - #1 UCL OPERATOR	UNDER
D- 7WE	PERSONAL - WILLOW FEED OPERATOR	UNDER
D-10S	PERSONAL - DUMPSTER DUMPSTER DRIVER	UNDER
D- 2IM	PERSONAL - MIXER OPERATOR	24
V- 1F	PERSONAL - SOLVENT WELDING	UNDER
V- 2FS	PERSONAL - FILAMENT WINDER OPERATOR	UNDER

<u>B. SAMPLING STATIONS</u>	<u>ESTABLISHED</u>	<u>SAMPLED</u>	<u>EXCEED OSHA STANDARDS</u>
All dust	57	50	1
Sampled Asbestos	(53)	(47)	(0)
Noise	25	24	17
Fume/Vapor	25	24	0
Totals	107	98	18

D 004933

SC-JMM-2292

II. AREA SAMPLES

A. The station(s) listed below are discussed in our cover letter and deserve your particular attention. They are not necessarily selected because of TLV violations and, in fact, some stations over TLV may not be listed here.

<u>STATION NUMBER</u>	<u>STATION DESCRIPTION</u>	<u>% OVER TLV</u>
D-11WE	AREA - 13' LINE FLOW TROUGH	UNDER
D-12WE	AREA - 10' LINE FLOW TROUGH	UNDER

<u>B. SAMPLING STATIONS</u>	<u>ESTABLISHED</u>	<u>SAMPLED</u>	<u>EXCEED STANDARDS</u>
All dust	11	9	0
Sampled Asbestos Area	(6)	(6)	(0)
Asbestos Collector	(3)	(3)	(0)
Noise	22	18	15
Fume/Vapor	15	10	0
Ionizing (Audit) Radiation	1	1	0
Non-Ionizing Radiation	3	3	0
Totals	52	41	15

R.C. Cordova
Industrial Hygiene Supervisor

D 004934

THE ASBESTOS SAMPLING RESULTS REPORTED HERE ARE DETERMINED IN STRICT ACCORDANCE WITH THE METHODOLOGY PRESCRIBED BY OSHA. THE PRECISION AND ACCURACY OF THE METHOD HAS NOT BEEN ADEQUATELY DOCUMENTED. HOWEVER, IT HAS BEEN DEMONSTRATED THAT RELATIVE ERRORS INCREASE AS THE COUNT DECREASES. AT A "TRUE" LEVEL OF 1.0 f/cc COUNTS BELOW 0.5 f/cc AND ABOVE 1.5 f/cc WILL PREDICTABLY OCCUR.

STATION	DESCRIPTION / HAZARD	TLV	RESULTS
D- 1DH	COLLECTOR - FINISHING END - OLD		No Visible Emissions
D- 2DH	COLLECTOR - FINISHING END - NEW		No Visible Emissions
D- 3DH	COLLECTOR - FORMING END		No Visible Emissions
D- 1F	PERSONAL - WET SLASH SAW OPERATOR /ASBESTOS /NUISANCE RESPIRABLE	2.0 5.00	0.2 F/CC ✓ 0.03 mg/M3
D- 2F	PERSONAL - #1 UPL - NORTH SIDE OPERATOR /ASBESTOS /RESPIRABLE QUARTZ /RESPIRABLE QUARTZ	2.0 100.0 0.40	0.0 F/CC ✓ 17.0 ug/M3 0.07 mg/M3
D- 3F	PERSONAL - #1 UPL UNIT LOADER OPERATOR /ASBESTOS	2.0	0.0 F/CC ✓
D- 4F	PERSONAL - #2 UPL-NORTH SIDE OPERATOR /ASBESTOS /RESPIRABLE QUARTZ	2.0 > 0.59	< 0.1 F/CC ✓ 0.10 mg/M3
D- 5F	PERSONAL - #2 UPL UNIT LOADER OPERATOR /ASBESTOS	2.0	< 0.1 F/CC ✓
D- 6F	PERSONAL - MOA LATHE OPERATOR /ASBESTOS /RESPIRABLE QUARTZ	2.0 > 0.38	0.2 F/CC ✓ 0.06 mg/M3
D- 7F	PERSONAL - #2 K&C SOUTH SIDE OPERATOR /ASBESTOS	2.0	< 0.1 F/CC ✓
D- 8F	PERSONAL - #2 K&C TAKE-OFF MAN		DID NOT OPERATE
D- 9F	PERSONAL - #1 K&C DRILLER/SWING SAW OPERATOR/ASBESTOS /NUISANCE RESPIRABLE	2.0 5.00	< 0.2 F/CC ✓ 0.05 mg/M3
D-10F	PERSONAL - COUPLING TESTER OPERATOR /ASBESTOS	2.0	< 0.1 F/CC ✓
D-11F	PERSONAL - EPOXY AREA MOLDER MAN /ASBESTOS /NUISANCE RESPIRABLE	2.0 5.00	< 0.1 F/CC ✓ 0.11 mg/M3

* = STATION EXCEEDS TLV

STATION	DESCRIPTION / HAZARD	TLV		RESULTS
D-12F	PERSONAL - EPOXY AREA SWING SAW OPERATOR /ASBESTOS	2.0	<	0.2 F/CC ✓
	/NUISANCE RESPIRABLE	5.00		0.07 mg/M3
D-13F	PERSONAL - RADIAL DRILL OPERATOR /ASBESTOS	2.0	<	0.1 F/CC ✓
	/RESPIRABLE QUARTZ	100.0		16.6 ug/M3
	/RESPIRABLE QUARTZ	0.14		0.03 mg/M3
D-14F	PERSONAL - FITTINGS LATHE OPERATOR /ASBESTOS	2.0	<	0.1 F/CC ✓
	/RESPIRABLE QUARTZ	> 0.30		0.05 mg/M3
D-15F	PERSONAL - LARGE COUPLING CUT OFF OPERATOR/ASBESTOS	2.0	<	0.2 F/CC ✓
	/NUISANCE RESPIRABLE	5.00		0.11 mg/M3
D-16F	PERSONAL - #2 UCL OPERATOR /ASBESTOS	2.0	<	0.1 F/CC ✓
	/NUISANCE RESPIRABLE	5.00		0.05 mg/M3
D-17F	PERSONAL - BORING MILL OPERATOR /ASBESTOS	2.0	<	0.1 F/CC ✓
	/NUISANCE RESPIRABLE	5.00		0.07 mg/M3
D-18F	PERSONAL - NIPPLE LATHE OPERATOR /ASBESTOS	2.0	<	0.1 F/CC ✓
D-21F	PERSONAL - BAND SAW OPERATOR /ASBESTOS	2.0		0.4 F/CC ✓
D-22F	PERSONAL - TRACER LATHE OPERATOR /ASBESTOS	2.0	<	0.1 F/CC ✓
	/NUISANCE RESPIRABLE	5.00		0.04 mg/M3
D-23F	PERSONAL - SMALL COUPLING CUT-OFF OPERATOR/ASBESTOS	2.0	<	0.1 F/CC ✓
	/RESPIRABLE QUARTZ	> 0.22		0.03 mg/M3
D-24F	PERSONAL - MONOLITHIC LATHE OPERATOR /ASBESTOS	2.0	<	0.1 F/CC ✓
	/RESPIRABLE QUARTZ	> 0.14		0.02 mg/M3
D-25F	PERSONAL - MONOLITHIC SAW OPERATOR /ASBESTOS	2.0		0.2 F/CC ✓
D-26F	PERSONAL - #1 UCL OPERATOR /ASBESTOS	2.0		0.3 F/CC ✓

* = STATION EXCEEDS TLV

D 004937

STATION	DESCRIPTION / HAZARD	TLV	RESULTS
D-26F	PERSONAL - #1 UCL OPERATOR /RESPIRABLE QUARTZ /RESPIRABLE QUARTZ	100.0 0.91	26.9 ug/M3 0.32 mg/M3
D-27F	PERSONAL - SAMPLING LATHE OPERATOR		DID NOT OPERATE
D-28F	PERSONAL - LARGE FORK TRUCK DRIVER /ASBESTOS	2.0	< 0.1 F/CC ✓
D-29F	PERSONAL - SMALL FORK TRUCK DRIVER /ASBESTOS /NUISANCE RESPIRABLE	2.0 5.00	< 0.1 F/CC ✓ 0.06 mg/M3
D-30F	PERSONAL - PLATFORM TRUCK DRIVER /ASBESTOS	2.0	< 0.1 F/CC ✓
D-31F	PERSONAL - TAPER COUPLING LATHE		DID NOT OPERATE
D- 1WE	PERSONAL - 13' LINE MACHINE TENDER /ASBESTOS	2.0	< 0.1 F/CC ✓
D- 2WE	PERSONAL - 13' LINE CONSOLE OPERATOR /ASBESTOS /NUISANCE RESPIRABLE	2.0 5.00	< 0.1 F/CC ✓ 0.03 mg/M3
D- 3WE	PERSONAL - 13' LINE TAKE-OFF MAN /ASBESTOS	2.0	< 0.1 F/CC ✓
D- 4WE	PERSONAL - 10' LINE CONSOLE OPERATOR /ASBESTOS /NUISANCE RESPIRABLE	2.0 5.00	< 0.1 F/CC ✓ 0.10 mg/M3
D- 5WE	PERSONAL - 10' LINE - TAKE OFF MAN /ASBESTOS	2.0	< 0.1 F/CC ✓
D- 6WE	AREA - UNDER 13' LINE WEIGH BINS /ASBESTOS /RESPIRABLE QUARTZ	2.0 0.48	< 0.1 F/CC ✓ 0.07 mg/M3
D- 7WE	PERSONAL - WILLOW FEED OPERATOR /ASBESTOS /RESPIRABLE QUARTZ /RESPIRABLE QUARTZ	2.0 100.0 0.53	0.4 F/CC ✓ 28.2 ug/M3 0.17 mg/M3
D- 8WE	PERSONAL - TRANSITE PIPE SCRAP GRINDER OPERATOR/ASBESTOS	2.0	0.2 F/CC ✓

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STATION	DESCRIPTION / HAZARD	TLV		RESULTS
D- 9WE	PERSONAL - 10' LINE MACHINE TENDER /ASBESTOS	2.0	<	0.1 F/CC ✓
D-11WE	AREA - 13' LINE FLOW TROUGH /ASBESTOS	2.0		0.8 F/CC ✓
D-12WE	AREA - 10' LINE FLOW TROUGH /ASBESTOS	2.0		0.3 F/CC ✓
D-13WE	PERSONAL - OVERHEAD CRANE OPERATOR /ASBESTOS /RESPIRABLE QUARTZ	2.0 > 0.37	<	0.1 F/CC ✓ 0.05 mg/M3
D- 2S	PERSONAL - UNLOADING ASBESTOS FIBER			DID NOT OPERATE
D- 3S	AREA - UNLOADING CEMENT FROM HOPPER CAR			DID NOT OPERATE
D- 4S	PERSONAL - YARD LOADING MAN /ASBESTOS	2.0	<	0.1 F/CC ✓
D- 5S	PERSONAL - BALL MILL OPERATOR			DID NOT OPERATE
D- 6S	PERSONAL - SWEEPER OPERATOR /ASBESTOS /RESPIRABLE QUARTZ	2.0 > 0.56	<	0.1 F/CC ✓ 0.10 mg/M3
D-10S	PERSONAL - DEMPSTER DUMPSTER DRIVER /ASBESTOS	2.0	<	0.2 F/CC ✓
D-11S	PERSONAL - #1 UPL INSPECTOR /ASBESTOS	2.0	<	0.1 F/CC ✓
D-12S	PERSONAL - #2 UPL INSPECTOR /ASBESTOS	2.0	<	0.1 F/CC ✓
D-13S	PERSONAL - QUALITY CONTROL - ROVING INSPECTOR /ASBESTOS	2.0		0.2 F/CC ✓
D-15S	PERSONAL - ELECTRICIAN /ASBESTOS	2.0	<	0.1 F/CC ✓
D-16S	PERSONAL - OILER /ASBESTOS	2.0	<	0.1 F/CC ✓
D-17S	PERSONAL - TOOL CRIB - TOOL GRINDER /ASBESTOS	2.0	<	0.1 F/CC ✓

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STATION	DESCRIPTION / HAZARD	TLV	RESULTS
D-17S	PERSONAL - TOOL CRIE - TOOL GRINDER /RESPIRABLE QUARTZ	> 1.67	0.46 mg/M3
D-18S	AREA - UPSTAIRS LUNCH ROOM /ASBESTOS	2.0	< 0.1 F/CC ✓
D-20S	PERSONAL - NORTH FIBER WRHS FORK TRUCK OPERATOR/ASBESTOS	2.0	< 0.1 F/CC ✓
D-23S	AREA - E&R SHOP /ASBESTOS /RESPIRABLE QUARTZ	2.0 > 0.91	< 0.1 F/CC ✓ 0.15 mg/M3
D-25S	PERSONAL - REMOVING END PLUGS IN AIR CURED BLDG		DID NOT OPERATE
D-26S	PERSONAL - GENERAL MECHANIC /ASBESTOS	2.0	< 0.1 F/CC ✓
D- 1P	PERSONAL - #3 EXTRUDER OPERATOR /NUISANCE RESPIRABLE	5.00	0.05 mg/M3
D- 5P	PERSONAL - MIXER PLATFORM OPERATOR /RESPIRABLE QUARTZ	> 1.00	0.18 mg/M3
D- 1IM	AREA - BETWEEN #4 & #5 INJECTION MOLDERS		DID NOT OPERATE
* D- 2IM	PERSONAL - MIXER OPERATOR /RESPIRABLE QUARTZ /TOTAL QUARTZ	> 0.91 > 2.50	0.14 mg/M3 3.10 mg/M3
D- 1L	PERSONAL - SANDER OPERATOR /ASBESTOS	2.0	< 0.1 F/CC ✓
D- 2L	AREA - WEST SIDE OF CONVEYOR /ASBESTOS	2.0	0.0 F/CC ✓
D- 3L	PERSONAL - COUPLING COATER IN TEMPTITE BUILDING		DID NOT OPERATE

* = STATION EXCEEDS TLV

STATION	DESCRIPTION / HAZARD	TLV	RESULTS
* N- 1F	PERSONAL - WE1 SAW OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 92.5 : 92.0 : 85 to 95
# N- 2F	AREA - #1 UPL NORTHWEST OF OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 85 to 100
# N- 3F	AREA - TAKE OFF BTWN #1 & #2 UPL / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 090 to 104
* N- 4F	PERSONAL - #2 UPL NORTH OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 94.0 : 94.1 : 85 to 100
# N- 5F	AREA - #2 UPL NORTH SIDE BELLING OPERATION/ NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 91 to 105
* N- 6F	PERSONAL - MOA LATHE / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 92.6 : 90.6 : 85 to 94
* N- 7F	PERSONAL - #1 K&C NORTH SIDE / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 92.9 : 91.9 : 84 to 96
# N- 8F	AREA - #1 K&C DRILLING OPERATION / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 90 to 97
* N- 9F	PERSONAL - #2 K&C SOUTH SIDE OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 97.4 : --- : 85 to 96

* = STATION EXCEEDS TLV

= EXCEEDS 90 dBA - AREA

STATION	DESCRIPTION / HAZARD	TLV	RESULTS
N-10F	AREA - SWING SAW BETWEEN #1 & #2 K&C / NOISE	DID NOT OPERATE	
# N-11F	AREA - EPOXY AREA SWING SAW / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 85 to 109
N-12F	AREA - RADIAL DRILL / NOISE	DID NOT OPERATE	
# N-13F	AREA - LARGE COUPLING CUT OFF / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 88 to 106
N-14F	AREA - SMALL COUPLING CUT OFF / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 84 to 89
# N-15F	AREA - #1 UCL / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 88 to 96
# N-16F	AREA - BORING MILL / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 91 to 117
N-17F	PERSONAL - EPOXY AREA MOLDING MAN / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 89.1 : --- : ---
N-18F	PERSONAL - LARGE FORK TRUCK DRIVER / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 85.1 : --- : ---
* N-19F	PERSONAL - SMALL FORK TRUCK DRIVER / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 91.2 : --- : ---

* = STATION EXCEEDS TLV

= EXCEEDS 90 dBA - AREA

<u>STATION</u>	<u>DESCRIPTION / HAZARD</u>	<u>TLV</u>	<u>RESULTS</u>
* N-20F	PERSONAL - PLATFORM TRUCK DRIVER / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 92.8 : --- : ---
* N- 1WE	PERSONAL - WHEELABRATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 99.0 : --- : 90 to 100
# N- 2WE	AREA - 10' LINE CONSOLE OPERATORS POSITION/ NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 91 to 100
# N- 3WE	AREA - 10' LINE-WEST OF TAKE OFF TABLE / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 88 to 102
# N- 4WE	AREA - 13' LINE CONSOLE OPERATORS POSITION/ NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 90 to 93
* N- 5WE	PERSONAL - 13' LINE EAST TAKE OFF OPER. POSITION/ NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 92.8 : --- : ---
N- 6WE	AREA - UNDER 13' LINE WEIGH BINS / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 89
N- 7WE	AREA - 6' SOUTH OF WILLOWS / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 85
# N- 8WE	AREA - SCRAP GRINDER - NORTH SIDE OF FELL/ NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 85 to 106

* = STATION EXCEEDS TLV

= EXCEEDS 90 dBA - AREA

STATION	DESCRIPTION / HAZARD	TLV	RESULTS
N- 5S	PERSONAL - BOILER HOUSE / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 85.9 : --- : ---
N- 6S	PERSONAL - SWEEPER OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 86.3 : --- : ---
* N- 1P	PERSONAL - #1 EXTRUDER OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 90.5 : 93.6 : 86 to 96
* N- 3P	PERSONAL - #2 EXTRUDER OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 92.8 : 92.8 : 87 to 95
* N- 4P	PERSONAL - #3 EXTRUDER OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 91.0 : --- : ---
N- 5P	AREA - MIXER PLATFORM OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 83.7 : --- : ---
# N- 7P	AREA - SCRAP GRINDER (PLASTICS) / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 88 to 98
* N- 8P	PERSONAL - #4 EXTRUDER OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 92.4 : --- : ---
‡ N-12P	AREA - ZIP SAW / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 90 to 116

* = STATION EXCEEDS TLV

= EXCEEDS 90 dBA - AREA

STATION	DESCRIPTION / HAZARD	TLV	RESULTS
* N-13P	PERSONAL - #5 EXTRUDER OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 92.7 : --- : ---
N-18P	AREA - PORTABLE BOX TILTER - VIBRATOR / NOISE		DID NOT OPERATE
* N-13P	PERSONAL - #6 EXTRUDER OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 92.1 : --- : ---
N- 1IM	PERSONAL - MIXER OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 84.4 : --- : ---
N- 2IM	PERSONAL - PACKER ASSEMBLER / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: < 80 : --- : ---
N- 3IM	AREA - BETWEEN #3 INJECTION MOLDER / NOISE		DID NOT OPERATE
# N- 4IM	AREA - BETWEEN #1 INJECTION MOLDER / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: --- : --- : 81 to 96
N- 5IM	PERSONAL - SCRAP GRINDER / NOISE		DID NOT OPERATE
* N- 1L	PERSONAL - SANDER OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 91.1 : --- : ---
* N- 1SW	PERSONAL - SPIRAL WOUND OPERATOR / NOISE	Leq. dBA Dos. : 90 Leq. dBA Calc. : 90 dBA range : N.A.	: 90.3 : --- : ---

* = STATION EXCEEDS TLV

= EXCEEDS 90 dBA - AREA

STATION	DESCRIPTION / HAZARD	TLV	RESULTS
V- 1F	PERSONAL - SOLVENT WELDING		
	/TETRAHYDROFURAN	200.0	7.4 ppm
	/BUTANONE	200.0	0.0 ppm
	/METHYLENE CHLORIDE	500.0	0.0 ppm
	/ACRYLONITRILE	2.0	0.0 ppm
	/STYRENE	100.0	0.0 ppm
	/BUTADIENE (1, 3-BUTADIENE)	1000.0	0.0 ppm
	/TOLUENE-2, 4-DIISOCYANATE	0.02	< 0.01 ppm
V- 2F	PERSONAL - PLATFORM TRUCK DRIVER		
	/CARBON MONOXIDE	50.0	11.8 ppm
V- 3F	PERSONAL - LARGE FORK TRUCK DRIVER		
	/CARBON MONOXIDE	50.0	21.7 ppm
V- 4F	AREA - FINISHING END AISLE		
	/CARBON MONOXIDE	50.0	7.1 ppm
V- 5F	PERSONAL - SMALL FORK TRUCK DRIVER		
	/CARBON MONOXIDE	50.0	23.2 ppm
V- 7F	PERSONAL - UTILITY TRUCK DRIVER		
	/CARBON MONOXIDE	50.0	5.2 ppm
V- 1WE	AREA - 13' LINE HCL APPLICATION		DID NOT OPERATE
V- 2WE	AREA - 10' LINE CONTROL VALVE		DID NOT OPERATE
V- 3WE	AREA - CLEANING SCREEN MOLDS		DID NOT OPERATE
V- 4WE	PERSONAL - WILLOW OPERATOR		
	/CARBON MONOXIDE	50.0	3.0 ppm
V- 2S	AREA - NEAR COMPRESSOR IN SUB-BASEMENT		
	/METHANE	1000.0	0.0 ppm
V- 3S	AREA - MAIN PROPANE STORAGE TANK		
	/PROPANE	1000.0	300.0 ppm
V- 5S	AREA - BOILER HOUSE		
	/METHANE	1000.0	0.0 ppm

* = STATION EXCEEDS TLV

STATION	DESCRIPTION / HAZARD	TLV	RESULTS
V- 6S	AREA - GAS FIRED DRYER AT WEST END OF BALL MILL		DID NOT OPERATE
V- 7S	AREA - NORTH FIBER WAREHOUSE /CARBON MONOXIDE	50.0	10.3 ppm
V- 9S	PERSONAL - S&R FORK TRUCK DRIVER /CARBON MONOXIDE	50.0	2.3 ppm
V- 1P	PERSONAL - MIXER OPERATOR /VINYL CHLORIDE	1.0	0.0 ppm
V- 2P	PERSONAL - #1 EXTRUDER OPERATOR /VINYL CHLORIDE	1.0	0.0 ppm
V- 3P	PERSONAL - MAINTENANCE OPERATOR /VINYL CHLORIDE	1.0	0.0 ppm
V- 4P	PERSONAL - UTILITY OPERATOR (GRINDER OPERATOR)/VINYL CHLORIDE	1.0	0.0 ppm
V-20P	PERSONAL - #4 EXTRUDER OPERATOR /VINYL CHLORIDE	1.0	0.0 ppm
V-23P	PERSONAL - FORK TRUCK DRIVER /VINYL CHLORIDE /CARBON MONOXIDE	1.0 50.0	0.0 ppm 2.0 ppm
V- 1IM	PERSONAL - PACKER ASSEMBLER /VINYL CHLORIDE	1.0	0.0 ppm
V- 4IM	PERSONAL - CREW LEADER /VINYL CHLORIDE	1.0	0.0 ppm
V- 5IM	PERSONAL - MIXER OPERATOR /VINYL CHLORIDE	1.0	0.0 ppm
V- 1L	AREA - T.O. & VALVE STATION /TRIETHYLENE TETRAMINE-TETA /PHENOL-SKIN	10.0 5.0	< 0.1 ppm 0.0 ppm
V- 2L	AREA - WEST SIDE TAKE-OFF /TRIETHYLENE TETRAMINE-TETA /PHENOL-SKIN	10.0 5.0	< 0.1 ppm 0.0 ppm

* = STATION EXCEEDS TLV

STATION	DESCRIPTION / HAZARD	TLV	RESULTS
V- 3L	PERSONAL - COUPLING COATER OPERATOR /TRIETHYLENE TETRAMINE-TETA /PHENOL-SKIN	10.0 5.0	< 0.1 ppm 0.0 ppm
V- 4L	PERSONAL - SOFT WATER COATING TRUCK DRIVER		DID NOT OPERATE
V- 1T	PERSONAL - T/T OPERATORS POSITION /METHYLENE BISPHENYLISOCYANATE	0.02	< 0.01 ppm
V- 2T	AREA - REPAIR & PATCH POSITION ON T/T LINE/METHYLENE BISPHENYLISOCYANATE	0.02	< 0.01 ppm
V- 1PS	PERSONAL - ABS CORE COATER OPERATOR /TETRAHYDROFURAN /BUTANONE /METHYLENE CHLORIDE /ACRYLONITRILE /STYRENE /BUTADIENE(1,3-BUTADIENE)	200.0 200.0 500.0 2.0 100.0 1000.0	0.0 ppm 0.0 ppm 0.9 ppm 0.0 ppm 0.0 ppm 0.0 ppm
V- 2PS	PERSONAL - FILAMENT WINDER OPERATOR /TETRAHYDROFURAN /BUTANONE /METHYLENE CHLORIDE /ACRYLONITRILE /STYRENE /BUTADIENE(1,3-BUTADIENE) /TRIETHYLENE TETRAMINE-TETA	200.0 200.0 500.0 2.0 100.0 1000.0 10.0	0.0 ppm 0.0 ppm 298.6 ppm 0.3 ppm 0.0 ppm 0.0 ppm < 0.1 ppm
V- 3PS	PERSONAL - HYDROFORMER OPERATOR /TETRAHYDROFURAN /BUTANONE /METHYLENE CHLORIDE /ACRYLONITRILE /STYRENE /BUTADIENE(1,3-BUTADIENE)	200.0 200.0 500.0 2.0 100.0 1000.0	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm
V- 4PS	PERSONAL - FORK TRUCK DRIVER /CARBON MONOXIDE	50.0	4.3 ppm
V- 5PS	AREA - WEST OF FOREMAN'S OFFICE IN PERMASTRAN/CARBON MONOXIDE	50.0	5.1 ppm
V- 1SW	PERSONAL - SPIRAL WOUND OPERATOR /TETRAHYDROFURAN	200.0	7.3 ppm

* = STATION EXCEEDS TLV

STATION	DESCRIPTION / HAZARD	TLV	RESULTS
V- 1SW	PERSONAL - SPIRAL WOUND OPERATOR		
	/BUTANONE	200.0	0.0 ppm
	/METHYLENE CHLORIDE	500.0	1.3 ppm
	/ACRYLONITRILE	2.0	0.0 ppm
	/STYRENE	100.0	0.0 ppm
	/BUTADIENE(1,3-BUTADIENE)	1000.0	0.0 ppm
V- 2SW	AREA - GLUE APPLICATOR - WEST SIDE		
	/TETRAHYDROFURAN	200.0	0.0 ppm
	/BUTANONE	200.0	0.0 ppm
	/METHYLENE CHLORIDE	500.0	0.3 ppm
	/ACRYLONITRILE	2.0	0.0 ppm
	/STYRENE	100.0	0.0 ppm
	/BUTADIENE(1,3-BUTADIENE)	1000.0	0.0 ppm
V- 4SW	AREA - ACCUMULATION RACK - EAST SIDE		DID NOT OPERATE
V- 5SW	PERSONAL - FINISHER		
	/TETRAHYDROFURAN	200.0	0.0 ppm
	/BUTANONE	200.0	0.0 ppm
	/METHYLENE CHLORIDE	500.0	0.3 ppm
	/ACRYLONITRILE	2.0	0.0 ppm
	/STYRENE	100.0	0.0 ppm
	/BUTADIENE(1,3-BUTADIENE)	1000.0	0.0 ppm

* = STATION EXCEEDS TLV

<u>STATION</u>	<u>DESCRIPTION / HAZARD</u>	<u>TLV</u>	<u>RESULTS</u>
R- 15	AREA - MICROWAVE OVEN - PERMASTRAN		
	LUNCH ROOM / MICROWAVE	10.0	0.0 mW/cm2
	/ MICROWAVE	10.0	0.0 mW/cm2
	/ MICROWAVE	10.0	0.0 mW/cm2
	/ MICROWAVE	10.0	0.0 mW/cm2
	/ MICROWAVE	10.0	0.0 mW/cm2
	/ MICROWAVE	10.0	0.0 mW/cm2
R- 25	AREA - MICROWAVE OVENS IN VENDING AREA		
	FINISHING / MICROWAVE	10.0	0.2 mW/cm2
	/ MICROWAVE	10.0	0.2 mW/cm2
	/ MICROWAVE	10.0	0.2 mW/cm2
	/ MICROWAVE	10.0	0.2 mW/cm2
	/ MICROWAVE	10.0	0.2 mW/cm2
	/ MICROWAVE	10.0	0.2 mW/cm2
R- 35	AREA - X-RAY UNIT IN MEDICAL DEPARTMENT		
	/ X-RAY	5.000	0.0 R
R- 45	AREA - MICROWAVE OVEN - CAFETERIA - LITT		
	ON / MICROWAVE	10.0	0.0 mW/cm2
	/ MICROWAVE	10.0	0.0 mW/cm2
	/ MICROWAVE	10.0	0.6 mW/cm2
	/ MICROWAVE	10.0	0.0 mW/cm2
	/ MICROWAVE	10.0	0.0 mW/cm2
	/ MICROWAVE	10.0	0.0 mW/cm2

* = STATION EXCEEDS TLV

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#####

Station number: D- 10H
Description: COLLECTOR - FINISHING END - OLD
No Visible Emissions

#####

Station number: D- 2DH
Description: COLLECTOR - FINISHING END - NEW
No Visible Emissions

#####

Station number: D- 3DH
Description: COLLECTOR - FORMING END
No Visible Emissions

#####

Station number: D- 1F
Description: PERSONAL - WET SLASH OPERATOR
Personal Protective Equip. Worn: NO
Sample Type : PERSONAL-
T.W.A.
Hazard : ASBESTOS

Samp. #	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1121-1512	2.0	0.2 F/CC
2	10/19/82	1057-1358	2.0	0.2 F/CC
			T.W.A.	0.2 F/CC

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Station number D- 1F continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : NUISANCE RESPIRABLE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	0811-1518	5.00	0.03 mg/M3
			T.W.A.	0.03 mg/M3

#####

Station number: D- 2F

Description: PERSONAL - #1 UPL - NORTH SIDE OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	0750-1054	2.0	0.0 F/CC
			T.W.A.	0.0 F/CC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	0748-1518	100.0	17.0 ug/M3
			T.W.A.	17.0 ug/M3

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Station number D- 2F continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	0748-1518	0.40	0.07 mg/M3
			T.W.A.	0.07 mg/M3

#####

Station number: D- 3F

Description: PERSONAL - #1 UPL UNIT LOADER OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	0755-1036	2.0	0.0 F/CC
			T.W.A.	0.0 F/CC

#####

Station number: D- 4F

Description: PERSONAL - #2 UPL-NORTH SIDE OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1131-1507	2.0	0.1 F/CC
2	10/20/82	1120-1342	2.0	< 0.1 F/CC
			T.W.A.	< 0.1 F/CC

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Station number D- 4F continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp. #	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/21/82	0952-1630	> 0.53	0.10 mg/M3
			T.W.A.	0.10 mg/M3

#####

Station number: D- 5F

Description: PERSONAL - #2 UPL UNIT LOADER OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : ASBESTOS

Samp. #	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1131-1514	2.0	0.2 F/CC
2	10/20/82	1120-1340	2.0	< 0.1 F/CC
			T.W.A.	< 0.1 F/CC

#####

Station number: D- 6F

Description: PERSONAL - MOA LATHE OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : ASBESTOS

Samp. #	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1146-1510	2.0	0.3 F/CC
2	10/19/82	1044-1402	2.0	0.1 F/CC
			T.W.A.	0.2 F/CC

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Station number D- 6F continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results
1	10/19/82	0758-1509	> 0.38	0.06 mg/M3
			T.W.A.	0.06 mg/M3

#####

Station number: D- 7F

Description: PERSONAL - #2 K&C SOUTH SIDE OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
1	10/20/82	0855-1015	2.0	0.2 F/CC
2	10/21/82	0959-1210	2.0	< 0.1 F/CC
			T.W.A.	< 0.1 F/CC

#####

Station number: D- 8F

Description: PERSONAL - #2 K&C TAKE-OFF MAN

Reason station did not operate: LATHE NOT OPERATING

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Station number: D- 9F

Description: PERSONAL - #1 K&C DRILLER/SWING SAW OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====		
1	10/19/82	1101-1301	2.0	<	0.1	F/CC
2	10/19/82	1330-1541	2.0		0.3	F/CC
T.W.A.				<	0.2	F/CC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : NUISANCE RESPIRABLE

Samp.#	Date	Time	TLV	Survey Results	
=====	=====	=====	=====	=====	
1	10/18/82	0859-1513	5.00	0.05 mg/M3	
T.W.A.				0.05 mg/M3	

#####

Station number: D-10F

Description: PERSONAL - COUPLING TESTER OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====		
1	10/18/82	0857-1110	2.0		0.1	F/CC
2	10/19/82	1045-1250	2.0	<	0.1	F/CC
T.W.A.				<	0.1	F/CC

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Station number: D-11F

Description: PERSONAL - EPOXY AREA MOLDER MAN

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====	=====	=====
1	10/18/82	0852-1058	2.0	<	0.1	F/CC
2	10/19/82	0821-1030	2.0		0.2	F/CC
				T.W.A.	<	0.1 F/CC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : NUISANCE RESPIRABLE

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====	=====	=====
1	10/18/82	0851-1507	5.00		0.11	mg/M3
				T.W.A.	0.11	mg/M3

#####

Station number: D-12F

Description: PERSONAL - EPOXY AREA SWING SAW OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====	=====	=====
1	10/18/82	0849-1058	2.0	<	0.1	F/CC
2	10/19/82	0823-1058	2.0		0.3	F/CC
				T.W.A.	<	0.2 F/CC

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Station number D-12F continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : NUISANCE RESPIRABLE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	0848-1507	5.00	0.07 mg/M3
			T.W.A.	0.07 mg/M3

#####

Station number: D-13F

Description: PERSONAL - RADIAL DRILL OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	0823-1105	2.0	< 0.1 F/CC
			T.W.A.	< 0.1 F/CC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	0823-1527	100.0	16.6 ug/M3
			T.W.A.	16.6 ug/M3

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Station number D-13F continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	0823-1527	0.14	0.03 mg/M3
			T.W.A.	0.03 mg/M3

#####

Station number: D-14F

Description: PERSONAL - FITTINGS LATHE OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	0919-1108	2.0	< 0.1 F/CC
2	10/19/82	0828-1035	2.0	< 0.1 F/CC
			T.W.A.	< 0.1 F/CC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	0919-1514	> 0.30	0.05 mg/M3
			T.W.A.	0.05 mg/M3

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Station number: D-15F

Description: PERSONAL - LARGE COUPLING CUT OFF OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1151-1512	2.0	0.3 F/CC
2	10/20/82	1124-1348	2.0	< 0.1 F/CC
T.W.A.				< 0.2 F/CC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : NUISANCE RESPIRABLE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/21/82	0905-1535	5.00	0.11 mg/M3
T.W.A.				0.11 mg/M3

#####

Station number: D-16F

Description: PERSONAL - #2 UCL OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	0939-1105	2.0	0.1 F/CC
2	10/19/82	1244-1523	2.0	< 0.1 F/CC
T.W.A.				< 0.1 F/CC

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Station number D-16F continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : NUISANCE RESPIRABLE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	0805-1523	5.00	0.05 mg/M3
			T.W.A.	0.05 mg/M3

#####

Station number: D-17F

Description: PERSONAL - BORING MILL OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	0927-1105	2.0	< 0.1 F/CC
2	10/20/82	1133-1348	2.0	< 0.1 F/CC
			T.W.A.	< 0.1 F/CC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : NUISANCE RESPIRABLE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	0932-1516	5.00	0.07 mg/M3
			T.W.A.	0.07 mg/M3

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Station number: D-18F

Description: PERSONAL - NIPPLE LATHE OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	0911-1059	2.0	0.1 F/CC
2	10/20/82	1134-1349	2.0	< 0.1 F/CC
T.W.A.				< 0.1 F/CC

#####

Station number: D-21F

Description: PERSONAL - BAND SAW OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	0911-1104	2.0	0.4 F/CC
2	10/18/82	1304-1526	2.0	0.4 F/CC
T.W.A.				0.4 F/CC

#####

Station number: D-22F

Description: PERSONAL - TRACER LATHE OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	0835-1105	2.0	0.2 F/CC
2	10/21/82	0834-1117	2.0	< 0.1 F/CC
T.W.A.				< 0.1 F/CC

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Station number D-22F continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : NUISANCE RESPIRABLE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	0835-1526	5.00	0.04 mg/M3
			T.W.A.	0.04 mg/M3

#####

Station number: D-23F

Description: PERSONAL - SMALL COUPLING CUT-OFF OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/21/82	0936-1201	2.0	0.1 F/CC
2	10/21/82	1120-1459	2.0	< 0.1 F/CC
			T.W.A.	< 0.1 F/CC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	0809-1524	> 0.22	0.03 mg/M3
			T.W.A.	0.03 mg/M3

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Station number: D-24F

Description: PERSONAL - MONOLITHIC LATHE OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results	
=====	=====	=====	=====	=====	=====
1	10/20/82	0828-1105	2.0	<	0.1 F/CC
2	10/21/82	0909-1119	2.0		0.1 F/CC
T.W.A.				<	0.1 F/CC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results	
=====	=====	=====	=====	=====	=====
1	10/19/82	0821-1528	> 0.14		0.02 mg/M3
T.W.A.					0.02 mg/M3

#####

Station number: D-25F

Description: PERSONAL - MONOLITHIC SAW OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results	
=====	=====	=====	=====	=====	=====
1	10/19/82	0801-1041	2.0		0.2 F/CC
2	10/19/82	1041-1402	2.0		0.1 F/CC
T.W.A.					0.2 F/CC

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Station number: D-26F

Description: PERSONAL - #1 UCL OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
1	10/18/82	0942-1104	2.0	0.4 F/CC
2	10/20/82	1132-1348	2.0	0.2 F/CC
T.W.A.				0.3 F/CC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results
1	10/19/82	0806-1523	100.0	26.9 ug/M3
T.W.A.				26.9 ug/M3

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results
1	10/19/82	0806-1523	0.91	0.32 mg/M3
T.W.A.				0.32 mg/M3

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Station number: D-27F

Description: PERSONAL - SAMPLING LATHE OPERATOR

Reason station did not operate: LATHE NOT SCHEDULED

#####

Station number: D-28F

Description: PERSONAL - LARGE FORK TRUCK DRIVER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====		
1	10/20/82	0821-1111	2.0	<	0.1	F/CC
2	10/21/82	1220-1503	2.0	<	0.1	F/CC

T.W.A.				<	0.1	F/CC

#####

Station number: D-29F

Description: PERSONAL - SMALL FORK TRUCK DRIVER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====		
1	10/18/82	1149-1516	2.0		0.1	F/CC
2	10/20/82	1136-1346	2.0	<	0.1	F/CC

T.W.A.				<	0.1	F/CC

D 004966

Station number D-29F continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard

: NUISANCE RESPIRABLE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	0812-1514	5.00	0.06 mg/M3
			T.W.A.	0.06 mg/M3

#####

Station number: D-30F

Description: PERSONAL - PLATFORM TRUCK DRIVER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard

: ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1155-1507	2.0	< 0.1 F/CC
2	10/20/82	1340-1550	2.0	< 0.1 F/CC
			T.W.A.	< 0.1 F/CC

#####

Station number: D-31F

Description: PERSONAL - TAPER COUPLING LATHE

Reason station did not operate: LATHE NOT SCHEDULED

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Station number: D- 1WE

Description: PERSONAL - 13' LINE MACHINE TENDER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====		
1	10/19/82	1405-1552	2.0	<	0.1	F/CC
2	10/20/82	1051-1415	2.0	<	0.1	F/CC
T.W.A.				<	0.1	F/CC

#####

Station number: D- 2WE

Description: PERSONAL - 13' LINE CONSOLE OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====		
1	10/19/82	1410-1552	2.0		0.0	F/CC
2	10/20/82	1053-1415	2.0	<	0.1	F/CC
T.W.A.				<	0.1	F/CC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : NUISANCE RESPIRABLE

Samp.#	Date	Time	TLV	Survey Results	
=====	=====	=====	=====	=====	
1	10/21/82	0920-1630	5.00	0.03	mg/M3
T.W.A.				0.03	mg/M3

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Station number: D- 3WE

Description: PERSONAL - 13' LINE TAKE-OFF MAN

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====	=====	=====
1	10/20/82	0815-1105	2.0	<	0.1	F/CC
2	10/21/82	0947-1206	2.0	<	0.1	F/CC
T.W.A.				<	0.1	F/CC

#####

Station number: D- 4WE

Description: PERSONAL - 10' LINE CONSOLE OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====	=====	=====
1	10/19/82	1120-1516	2.0	<	0.1	F/CC
2	10/21/82	0927-1156	2.0	<	0.1	F/CC
T.W.A.				<	0.1	F/CC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : NUISANCE RESPIRABLE

Samp.#	Date	Time	TLV	Survey Results	
=====	=====	=====	=====	=====	=====
1	10/21/82	0927-1601	5.00	0.10	mg/M3
T.W.A.				0.10	mg/M3

D 004969

Station number: D- SWE

Description: PERSONAL - 10' LINE - TAKE OFF MAN

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
1	10/19/82	1354-1611	2.0	<	0.1	F/CC
2	10/21/82	0941-1328	2.0		0.2	F/CC
T.W.A.				<	0.1	F/CC

#####

Station number: D- SWE

Description: AREA - UNDER 13' LINE WEIGH BINS

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
1	10/19/82	1111-1400	2.0	<	0.1	F/CC
2	10/20/82	1400-1553	2.0	<	0.1	F/CC
SIMPLE AVG.				<	0.1	F/CC

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results	
1	10/19/82	0819-1555	0.48	0.07	mg/M3
SIMPLE AVG.				0.07	mg/M3

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Station number: D- 7WE

Description: PERSONAL - WILLOW FEED OPERATOR

Personal Protective Equip. Worn: YES

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	1112-1345	2.0	1.2 F/CC
2	10/20/82	1400-1554	2.0	0.2 F/CC
T.W.A.				0.4 F/CC

Personal Protective Equip. Worn: YES

Sample Type : PERSONAL-
T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/21/82	0915-1530	100.0	28.2 ug/M3
T.W.A.				28.2 ug/M3

Personal Protective Equip. Worn: YES

Sample Type : PERSONAL-
T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/21/82	0915-1530	0.53	0.17 mg/M3
T.W.A.				0.17 mg/M3

D 004971

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Station number: D- 8WE

Description: PERSONAL - TRANSITE PIPE SCRAP GRINDER OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
1	10/19/82	1407-1552	2.0	0.4 F/CC
2	10/20/82	1405-1554	2.0	0.1 F/CC
T.W.A.				0.2 F/CC

#####

Station number: D- 9WE

Description: PERSONAL - 10' LINE MACHINE TENDER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
1	10/19/82	1348-1525	2.0	0.0 F/CC
2	10/21/82	0930-1156	2.0	< 0.1 F/CC
T.W.A.				< 0.1 F/CC

#####

Station number: D-11WE

Description: AREA - 13' LINE FLOW TROUGH

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
1	10/20/82	0751-1050	2.0	0.7 F/CC
2	10/21/82	0919-1149	2.0	0.8 F/CC
SIMPLE AVG.				0.8 F/CC

D 004972

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Station number: D-12WE

Description: AREA - 10' LINE FLOW TROUGH

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
1	10/19/82	1116-1525	2.0	0.1 F/CC
2	10/20/82	1051-1419	2.0	0.5 F/CC
SIMPLE AVG.				0.3 F/CC

#####

Station number: D-13WE

Description: PERSONAL - OVERHEAD CRANE OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
1	10/20/82	0808-1108	2.0	< 0.1 F/CC
T.W.A.				< 0.1 F/CC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results
1	10/20/82	0808-1528	> 0.37	0.05 mg/M3
T.W.A.				0.05 mg/M3

D 004973

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Station number: D- 25
Description: PERSONAL - UNLOADING ASBESTOS FIBER
Reason station did not operate: NO FIBER RECEIVED

#####

Station number: D- 35
Description: AREA - UNLOADING CEMENT FROM HOPPER CAR
Reason station did not operate: CEMENT RECEIVED IN TRUCKS

#####

Station number: D- 45
Description: PERSONAL - YARD LOADING MAN
Personal Protective Equip. Worn: NO
Sample Type : PERSONAL-
T.W.A.
Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====	=====	=====
1	10/20/82	0850-1125	2.0	<	0.1	F/CC
2	10/21/82	1220-1512	2.0	<	0.1	F/CC
			T.W.A.	<	0.1	F/CC

#####

Station number: D- 55
Description: PERSONAL - BALL MILL OPERATOR
Reason station did not operate: CORRECT SAND PURCHASED

D 004974

Station number: D- 65

Description: PERSONAL - SWEEPER OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp. #	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====	=====	=====
1	10/18/82	1125-1512	2.0	<	0.1	F/CC
2	10/21/82	1224-1447	2.0	<	0.1	F/CC
T.W.A.				<	0.1	F/CC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp. #	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====	=====	=====
1	10/21/82	0915-1533	> 0.56		0.10	mg/M3
T.W.A.					0.10	mg/M3

#####

Station number: D-105

Description: PERSONAL - DEMPSTER DUMPSTER DRIVER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp. #	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====	=====	=====
1	10/19/82	0900-1343	2.0		0.2	F/CC
2	10/20/82	1043-1325	2.0	<	0.1	F/CC
T.W.A.				<	0.2	F/CC

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Station number: D-115

Description: PERSONAL - #1 UPL INSPECTOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard

: ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====		
1	10/19/82	0753-1035	2.0	<	0.1	F/CC
			T.W.A.	<	0.1	F/CC

#####

Station number: D-125

Description: PERSONAL - #2 UPL INSPECTOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard

: ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====		
1	10/18/82	1135-1511	2.0		0.2	F/CC
2	10/21/82	0955-1228	2.0	<	0.1	F/CC
			T.W.A.	<	0.1	F/CC

#####

Station number: D-135

Description: PERSONAL - QUALITY CONTROL - ROVING INSPECTOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard

: ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====		
1	10/18/82	0924-1145	2.0		0.2	F/CC
2	10/20/82	1129-1345	2.0		0.2	F/CC
			T.W.A.		0.2	F/CC

D 004976

Station number: D-155

Description: PERSONAL - ELECTRICIAN

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====	=====	=====
1	10/20/82	0802-1047	2.0	<	0.1	F/CC
2	10/21/82	1122-1436	2.0		0.0	F/CC
				T.W.A.	<	0.1 F/CC

#####

Station number: D-165

Description: PERSONAL - OILER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====	=====	=====
1	10/18/82	1105-1507	2.0	<	0.1	F/CC
2	10/19/82	1250-1504	2.0	<	0.1	F/CC
				T.W.A.	<	0.1 F/CC

#####

Station number: D-175

Description: PERSONAL - TOOL CRIB - TOOL GRINDER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====	=====	=====
1	10/18/82	0902-1108	2.0	<	0.1	F/CC
2	10/19/82	0825-1031	2.0		0.2	F/CC
				T.W.A.	<	0.1 F/CC

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Station number D-175 continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	0902-1506	> 1.67	0.46 mg/M3
			T.W.A.	0.46 mg/M3

#####

Station number: D-185

Description: AREA - UPSTAIRS LUNCH ROOM

Personal Protective Equip. Worn: NO

Sample Type : STATION-

SIMPLE AVERAGE

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	1113-1420	2.0	< 0.1 F/CC
2	10/20/82	1420-1550	2.0	0.0 F/CC
			SIMPLE AVG.	< 0.1 F/CC

#####

Station number: D-205

Description: PERSONAL - NORTH FIBER WRHS FORK TRUCK OPERATOR

Personal Protective Equip. Worn: YES

Sample Type : PERSONAL-

T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	0748-0848	2.0	< 0.1 F/CC
			T.W.A.	< 0.1 F/CC

D 004978

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Station number: D-235

Description: AREA - E&R SHOP

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====		
1	10/20/82	0756-1046	2.0	<	0.1	F/CC
2	10/21/82	0912-1124	2.0	<	0.1	F/CC
SIMPLE AVG.				<	0.1	F/CC

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results	
=====	=====	=====	=====	=====	
1	10/20/82	0756-1530	> 0.91	0.15	mg/M3
SIMPLE AVG.				0.15	mg/M3

#####

Station number: D-255

Description: PERSONAL - REMOVING END PLUGS IN AIR CURED BLDG

Reason station did not operate: PLUGS REMOVED OTHER TIMES

D 004979

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Station number: D-265

Description: PERSONAL - GENERAL MECHANIC

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.# =====	Date =====	Time =====	TLV =====	Survey Results =====	
1	10/18/82	1117-1442	2.0	<	0.1 F/CC
2	10/19/82	0822-1236	2.0	<	0.1 F/CC
T.W.A.				<	0.1 F/CC

#####

Station number: D- 1P

Description: PERSONAL - #3 EXTRUDER OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : NUISANCE RESPIRABLE

Samp.# =====	Date =====	Time =====	TLV =====	Survey Results =====	
1	10/20/82	0843-1530	5.00	0.05 mg/M3	
T.W.A.				0.05 mg/M3	

#####

Station number: D- 5P

Description: PERSONAL - MIXER PLATFORM OPERATOR

Personal Protective Equip. Worn: YES

Sample Type : PERSONAL-
T.W.A.

Hazard : RESPIRABLE QUARTZ

Samp.# =====	Date =====	Time =====	TLV =====	Survey Results =====	
1	10/20/82	0848-1530	> 1.00	0.18 mg/M3	
T.W.A.				0.18 mg/M3	

D 004980

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Station number: D- 1IM

Description: AREA - BETWEEN #4 & #5 INJECTION MOLDERS

Reason station did not operate: MOLDERS NOT OPERATING

#####

Station number: D- 2IM

Description: PERSONAL - MIXER OPERATOR

Personal Protective Equip. Worn: YES

Sample Type : PERSONAL-

T.W.A.

Hazard

: RESPIRABLE QUARTZ

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/21/82	0819-1601	> 0.91	0.14 mg/M3
			T.W.A.	0.14 mg/M3

EXCEEDS TLV - PERSONAL

Personal Protective Equip. Worn: YES

Sample Type : PERSONAL-

T.W.A.

Hazard

: TOTAL QUARTZ

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/21/82	0819-1601	> 2.50	3.10 mg/M3
			T.W.A.	3.10 mg/M3

D 004981

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Station number: D- 1L

Description: PERSONAL - SANDER OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====	=====	=====
1	10/20/82	0735-1125	2.0	<	0.1	F/CC
			T.W.A.	<	0.1	F/CC

#####

Station number: D- 2L

Description: AREA - WEST SIDE OF CONVEYOR

Personal Protective Equip. Worn: NO

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : ASBESTOS

Samp.#	Date	Time	TLV	Survey Results		
=====	=====	=====	=====	=====	=====	=====
1	10/20/82	0735-1037	2.0		0.0	F/CC
			SIMPLE AVG.		0.0	F/CC

#####

Station number: D- 3L

Description: PERSONAL - COUPLING COATER IN TEMPTITE BUILDING

Reason station did not operate: NOT COATING CPLGS

D 004982

#####

Station number: N- 1F EXCEEDS TLV - PERSONAL
Description: PERSONAL - WET SAW OPERATORSample Date : 10/19/82
Time Sample Taken : 0830-1300
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
BOTH, DOSIMETER & CALC.
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 92.5
Leq. dBA Calc. : 90		: 92.0
dBA range : N.A.		: 85 to 95

#####

Station number: N- 2F EXCEEDS 90 dBA - AREA
Description: AREA - #1 UPL NORTHWEST OF OPERATORSample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: ---
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: 85 to 100

#####

Station number: N- 3F EXCEEDS 90 dBA - AREA
Description: AREA - TAKE OFF BTWN #1 & #2 UPLSample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: ---
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: 090 to 104

Station number: N- 4F EXCEEDS TLV - PERSONAL
Description: PERSONAL - #2 UPL NORTH OPERATOR

Sample Date : 10/20/82
Time Sample Taken : 0900-1140
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
BOTH, DOSIMETER & CALC.
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 94.0
Leq. dBA Calc. : 90		: 94.1
dBA range : N.A.		: 85 to 100

#####

Station number: N- 5F EXCEEDS 90 dBA - AREA
Description: AREA - #2 UPL NORTH SIDE BELLING OPERATION

Sample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: ---
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: 91 to 105

#####

Station number: N- 6F EXCEEDS TLV - PERSONAL
Description: PERSONAL - MOA LATHE

Sample Date : 10/19/82
Time Sample Taken : 0835-1511
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
BOTH, DOSIMETER & CALC.
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 92.6
Leq. dBA Calc. : 90		: 90.6
dBA range : N.A.		: 85 to 94

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Station number: N- 7F EXCEEDS TLV - PERSONAL
Description: PERSONAL - #1 K&C NORTH SIDE

Sample Date : 10/21/82
Time Sample Taken : 1106-1445
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
BOTH, DOSIMETER & CALC.

Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 92.9
Leq. dBA Calc. : 90		: 91.9
dBA range : N.A.		: 84 to 96

#####

Station number: N- 8F EXCEEDS 90 dBA - AREA
Description: AREA - #1 K&C DRILLING OPERATION

Sample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION

Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: ---
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: 90 to 97

#####

Station number: N- 9F EXCEEDS TLV - PERSONAL
Description: PERSONAL - #2 K&C SOUTH SIDE OPERATOR

Sample Date : 10/20/82
Time Sample Taken : 0905-1105
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
RANGE & DOSIMETER

Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 97.4
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: 85 to 96

D 004985

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Station number: N-10F
Description: AREA - SWING SAW BETWEEN #1 & #2 K&C
Reason station not operating: NOT USING DURING SURVEY

#####

Station number: N-11F EXCEEDS 90 dBA - AREA
Description: AREA - EPOXY AREA SWING SAW

Sample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION

Hazard : NOISE

TLV Survey Results

=== =====

Leq. dBA Dos. : 90 : ---
Leq. dBA Calc. : 90 : ---
dBA range : N.A. : 85 to 109

#####

Station number: N-12F
Description: AREA - RADIAL DRILL
Reason station not operating: NOT USING DURING SURVEY

#####

Station number: N-13F EXCEEDS 90 dBA - AREA
Description: AREA - LARGE COUPLING CUT OFF

Sample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION

Hazard : NOISE

TLV Survey Results

=== =====

Leq. dBA Dos. : 90 : ---
Leq. dBA Calc. : 90 : ---
dBA range : N.A. : 88 to 106

D 004986

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Station number: N-14F

Description: AREA - SMALL COUPLING CUT OFF

Sample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		---
Leq. dBA Calc. : 90		---
dBA range : N.A.		84 to 89

#####

Station number: N-15F

EXCEEDS 90 dBA - AREA

Description: AREA - #1 UCL

Sample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		---
Leq. dBA Calc. : 90		---
dBA range : N.A.		88 to 96

#####

Station number: N-16F

EXCEEDS 90 dBA - AREA

Description: AREA - BORING MILL

Sample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		---
Leq. dBA Calc. : 90		---
dBA range : N.A.		91 to 117

D 004987

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Station number: N-17F

Description: PERSONAL - EPOXY AREA MOLDING MAN

Sample Date : 10/19/82
Time Sample Taken : 0840-1409
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
DOSIMETER
Hazard : NOISE

	TLV	Survey Results
	==	=====
Leq. dBA Dos. : 90		: 89.1
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: ---

#####

Station number: N-18F

Description: PERSONAL - LARGE FORK TRUCK DRIVER

Sample Date : 10/19/82
Time Sample Taken : 0843-1520
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
DOSIMETER
Hazard : NOISE

	TLV	Survey Results
	==	=====
Leq. dBA Dos. : 90		: 85.1
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: ---

#####

Station number: N-19F

Description: PERSONAL - SMALL FORK TRUCK DRIVER

Sample Date : 10/20/82
Time Sample Taken : 0846-1512
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
DOSIMETER
Hazard : NOISE

	TLV	Survey Results
	==	=====
Leq. dBA Dos. : 90		: 91.2
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: ---

D 004988

Station number: N-20F EXCEEDS TLV - PERSONAL
Description: PERSONAL - PLATFORM TRUCK DRIVER

Sample Date : 10/19/82
Time Sample Taken : 0848-1511
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
DOSIMETER
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 92.8
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: ---

#####

Station number: N- 1WE EXCEEDS TLV - PERSONAL
Description: PERSONAL - WHEELABRATOR

Sample Date : 10/22/82
Time Sample Taken : 0839-1130
Personal Protective Equip. worn: EAR MUFFS
Sample Type : PERSONAL-
RANGE & DOSIMETER
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 99.0
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: 90 to 100

#####

Station number: N- 2WE EXCEEDS 90 dBA - AREA
Description: AREA - 10' LINE CONSOLE OPERATORS POSITION

Sample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION :
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: ---
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: 91 to 100

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Station number: N- 3WE EXCEEDS 90 dBA - AREA
Description: AREA - 10' LINE-WEST OF TAKE OFF TABLESample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		---
Leq. dBA Calc. : 90		---
dBA range : N.A.		88 to 102

#####

Station number: N- 4WE EXCEEDS 90 dBA - AREA
Description: AREA - 13' LINE CONSOLE OPERATORS POSITIONSample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		---
Leq. dBA Calc. : 90		---
dBA range : N.A.		90 to 93

#####

Station number: N- 5WE EXCEEDS TLV - PERSONAL
Description: PERSONAL - 13' LINE EAST TAKE OFF OPER. POSITIONSample Date : 10/20/82
Time Sample Taken : 0927-1130
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
DIOSIMETER
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		92.8
Leq. dBA Calc. : 90		---
dBA range : N.A.		---

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Station number: N- 6WE

Description: AREA - UNDER 13' LINE WEIGH BINS

Sample Date: : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		---
Leq. dBA Calc. : 90		---
dBA range : N.A.		89

#####

Station number: N- 7WE

Description: AREA - 6' SOUTH OF WILLOWS

Sample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		---
Leq. dBA Calc. : 90		---
dBA range : N.A.		85

#####

Station number: N- 8WE

Description: AREA - SCRAP GRINDER - NORTH SIDE OF FEED

Sample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-
STATION
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		---
Leq. dBA Calc. : 90		---
dBA range : N.A.		85 to 106

D 004991

Station number: N- 55
Description: PERSONAL - BOILER HOUSE

Sample Date : 10/20/82
Time Sample Taken : 0936-1142
Personal Protective Equip. worn: NOT REQUIRED
Sample Type : PERSONAL-
DOSIMETER
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 85.9
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: ---

#####

Station number: N- 65
Description: PERSONAL - SWEEPER OPERATOR

Sample Date : 10/20/82
Time Sample Taken : 0946-1146
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
DOSIMETER
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 86.3
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: ---

#####

Station number: N- 1P EXCEEDS TLV - PERSONAL
Description: PERSONAL - #1 EXTRUDER OPERATOR

Sample Date : 10/21/82
Time Sample Taken : 1059-1444
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
BOTH, DOSIMETER & CALC.
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 90.5
Leq. dBA Calc. : 90		: 93.6
dBA range : N.A.		: 86 to 96

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Station number: N- 3P. EXCEEDS TLV - PERSONAL
Description: PERSONAL - #2 EXTRUDER OPERATORSample Date : 10/20/82
Time Sample Taken : 1154-1536
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
BOTH, DOSIMETER & CALC.
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 92.8
Leq. dBA Calc. : 90		: 92.8
dBA range : N.A.		: 87 to 95

#####

Station number: N- 4P EXCEEDS TLV - PERSONAL
Description: PERSONAL - #3 EXTRUDER OPERATORSample Date : 10/20/82
Time Sample Taken : 1153-1534
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
DOSIMETER
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 91.0
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: ---

#####

Station number: N- 5P
Description: AREA - MIXER PLATFORM OPERATORSample Date : 10/20/82
Time Sample Taken : 1148-1538
Personal Protective Equip. worn: NONE
Sample Type : PERSONAL-
DOSIMETER
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 83.7
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: ---

D 004993

Station number: N- 7P EXCEEDS 90 dBA - AREA
Description: AREA - SCRAP GRINDER (PLASTICS)

Sample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-

Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		---
Leq. dBA Calc. : 90		---
dBA range : N.A.		88 to 98

#####

Station number: N- 8P EXCEEDS TLV - PERSONAL
Description: PERSONAL - #4 EXTRUDER OPERATOR

Sample Date : 10/20/82
Time Sample Taken : 1150-1539
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-

Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		92.4
Leq. dBA Calc. : 90		---
dBA range : N.A.		---

#####

Station number: N-12P EXCEEDS 90 dBA - AREA
Description: AREA - ZIP SAW

Sample Date : 10/22/82
Time Sample Taken : NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type : STATION-

Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		---
Leq. dBA Calc. : 90		---
dBA range : N.A.		90 to 116

Station number: N-13P EXCEEDS TLV - PERSONAL
Description: PERSONAL - #5 EXTRUDER OPERATOR

Sample Date : 10/20/82
Time Sample Taken : 1157-1537
Personal Protective Equip. worn: EAR MUFFS
Sample Type : PERSONAL-
DOSIMETER
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 92.7
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: ---

#####

Station number: N-18P
Description: AREA - PORTABLE BOX TILTER - VIBRATOR
Reason station not operating: VIBRATOR NOT OPERATING

#####

Station number: N-19P EXCEEDS TLV - PERSONAL
Description: PERSONAL - #6 EXTRUDER OPERATOR

Sample Date : 10/21/82
Time Sample Taken : 1100-1415
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
DOSIMETER
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 92.1
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: ---

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Station number: N- 1IM

Description: PERSONAL - MIXER OPERATOR

Sample Date: : 10/21/82
Time Sample Taken : 0809-1415
Personal Protective Equip. worn: EAR PLUGS
Sample Type : PERSONAL-
DOSIMETER
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: 84.4
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: ---

#####

Station number: N- 2IM

Description: PERSONAL - PACKER ASSEMBLER

Sample Date : 10/21/82
Time Sample Taken : 0810-1428
Personal Protective Equip. worn: NONE
Sample Type : PERSONAL-
DOSIMETER
Hazard : NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		: < 80
Leq. dBA Calc. : 90		: ---
dBA range : N.A.		: ---

#####

Station number: N- 3IM

Description: AREA - BETWEEN #3 INJECTION MOLDER
Reason station not operating: BOTH EXTRUDERS DOWN

D 004996

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Station number: N- 4IM EXCEEDS 90 dBA - AREA
Description: AREA - BETWEEN #1 INJECTION MOLDER

Sample Date: 10/22/82
Time Sample Taken: NO TIME INDICATED
Personal Protective Equip. worn: NOT APPLICABLE
Sample Type: STATION-
STATION
Hazard: NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		---
Leq. dBA Calc. : 90		---
dBA range : N.A.		81 to 96

#####

Station number: N- 5IM
Description: PERSONAL - SCRAP GRINDER
Reason station not operating: NOT GRINDING SCRAP

#####

Station number: N- 1L EXCEEDS TLV - PERSONAL
Description: PERSONAL - SANDER OPERATOR

Sample Date: 10/20/82
Time Sample Taken: 0740-1126
Personal Protective Equip. worn: NONE
Sample Type: PERSONAL-
DOSIMETER
Hazard: NOISE

	TLV	Survey Results
	===	=====
Leq. dBA Dos. : 90		91.1
Leq. dBA Calc. : 90		---
dBA range : N.A.		---

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Station number: N- 1SW

EXCEEDS TLV - PERSONAL

Description: PERSONAL - SPIRAL WOUND OPERATOR

Sample Date: : 10/21/82
Time Sample Taken : 0740-1409
Personal Protective Equip. worn: NONE
Sample Type : PERSONAL-
DOSIMETER
Hazard : NOISE

TLV Survey Results

=== =====

Leq. dBA Dos.	: 90	: 90.3
Leq. dBA Calc.	: 90	: ---
dBA range	: N.A.	: ---

D 004998

#####

Station number: V- 1F

Description: PERSONAL - SOLVENT WELDING

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : PERSONAL-

T.W.A.

Hazard

: TETRAHYDROFURAN

amp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0848-1120	200.0	0.0 ppm
2	10/22/82	0931-1120	200.0	35.1 ppm

T.W.A.				7.4 ppm

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : PERSONAL-

T.W.A.

Hazard

: BUTANONE

amp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0848-1120	200.0	0.0 ppm
2	10/22/82	0931-1120	200.0	0.0 ppm

T.W.A.				0.0 ppm

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : PERSONAL-

T.W.A.

Hazard

: METHYLENE CHLORIDE

amp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0931-1120	500.0	0.0 ppm
2	10/22/82	0848-1120	500.0	0.0 ppm

T.W.A.				0.0 ppm

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Station number V-1F continued

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : PERSONAL-

T.W.A.

Hazard : ACRYLONITRILE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0848-1120	2.0	0.0 ppm
2	10/22/82	0931-1120	2.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : PERSONAL-

T.W.A.

Hazard : STYRENE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0848-1120	100.0	0.0 ppm
2	10/22/82	0931-1120	100.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : PERSONAL-

T.W.A.

Hazard : BUTADIENE(1,3-BUTADIENE)

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0848-1120	1000.0	0.0 ppm
2	10/22/82	0931-1120	1000.0	0.0 ppm
T.W.A.				0.0 ppm

D 005000

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Station number V- 1F continued

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : PERSONAL-

CEILING

Hazard : TOLUENE-2,4-DIISOCYANATE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0840-1530	0.02	< 0.01 ppm
			CEILING	< 0.01 ppm

#####

Station number: V- 2F

Description: PERSONAL - PLATFORM TRUCK DRIVER

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : PERSONAL-

T.W.A.

Hazard : CARBON MONOXIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	1058-1513	50.0	11.8 ppm
			T.W.A.	11.8 ppm

#####

Station number: V- 3F

Description: PERSONAL - LARGE FORK TRUCK DRIVER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : CARBON MONOXIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	1058-1320	50.0	21.7 ppm
			T.W.A.	21.7 ppm

D 005001

Station number: V- 4F

Description: AREA - FINISHING END AISLE

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : CARBON MONOXIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	1059-1515	50.0	7.1 ppm
SIMPLE AVG.				7.1 ppm

#####

Station number: V- 5F

Description: PERSONAL - SMALL FORK TRUCK DRIVER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : CARBON MONOXIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	0917-1317	50.0	23.2 ppm
T.W.A.				23.2 ppm

#####

Station number: V- 7F

Description: PERSONAL - UTILITY TRUCK DRIVER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : CARBON MONOXIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	0942-1324	50.0	5.2 ppm
T.W.A.				5.2 ppm

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Station number: V- 1WE
Description: AREA - 13' LINE HCL APPLICATION
Reason station not operating or sampled: NOT CLEANING MANDREL

#####

Station number: V- 2WE
Description: AREA - 10' LINE CONTROL VALVE
Reason station not operating or sampled: NOT CLEANING MANDREL

#####

Station number: V- 3WE
Description: AREA - CLEANING SCREEN MOLDS
Reason station not operating or sampled: NOT CLEANING MANDRELS

#####

Station number: V- 4WE
Description: PERSONAL - WILLOW OPERATOR
Personal Protective Equip. Worn: NO
Sample Type : PERSONAL-
T.W.A.
Hazard : CARBON MONOXIDE

Samp. #	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	0925-1325	50.0	3.0 ppm
			T.W.A.	3.0 ppm

#####

Station number: V- 2S
Description: AREA - NEAR COMPRESSOR IN SUB-BASEMENT
Personal Protective Equip. Worn: NO
Sample Type : STATION-
SIMPLE AVERAGE
Hazard : METHANE

Samp. #	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0936-0937	1000.0	0.0 ppm
			SIMPLE AVG.	0.0 ppm

D 005003

Station number: V- 35

Description: AREA - MAIN PROPANE STORAGE TANK

Personal Protective Equip. Worn: NO

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : PROPANE

Samp.#	Date	Time	TLV	Survey Results
1	10/22/82	0810-0815	1000.0	0.0 ppm
2	10/22/82	0815-0819	1000.0	600.0 ppm
SIMPLE AVG.				300.0 ppm

#####

Station number: V- 55

Description: AREA - BOILER HOUSE

Personal Protective Equip. Worn: NO

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : METHANE

Samp.#	Date	Time	TLV	Survey Results
1	10/22/82	0736-0738	1000.0	0.0 ppm
SIMPLE AVG.				0.0 ppm

#####

Station number: V- 65

Description: AREA - GAS FIRED DRYER AT WEST END OF BALL MILL

Reason station not operating or sampled: BALL MILL DOWN

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Station number: V- 75

Description: AREA - NORTH FIBER WAREHOUSE

Personal Protective Equip. Worn: NO

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : CARBON MONOXIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	1411-1556	50.0	10.3 ppm
SIMPLE AVG.				10.3 ppm

#####

Station number: V- 95

Description: PERSONAL - S&R FORK TRUCK DRIVER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : CARBON MONOXIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	1413-1556	50.0	2.3 ppm
T.W.A.				2.3 ppm

#####

Station number: V- 1P

Description: PERSONAL - MIXER OPERATOR

Personal Protective Equip. Worn: YES

Sample Type : PERSONAL-
T.W.A.

Hazard : VINYL CHLORIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	0854-1047	1.0	0.0 ppm
2	10/18/82	1047-1253	1.0	0.0 ppm
3	10/18/82	1253-1558	1.0	0.0 ppm
4	10/18/82	0850-1159	1.0	0.0 ppm
5	10/18/82	1159-1303	1.0	0.0 ppm
T.W.A.				0.0 ppm

D 005005

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Station number: V- 2P

Description: PERSONAL - #1 EXTRUDER OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : VINYL CHLORIDE

Samp. #	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	0838-1037	1.0	0.0 ppm
2	10/19/82	1037-1231	1.0	0.0 ppm
3	10/19/82	1231-1600	1.0	0.0 ppm
4	10/20/82	0902-1104	1.0	0.0 ppm
5	10/20/82	1104-1308	1.0	0.0 ppm
T.W.A.				0.0 ppm

#####

Station number: V- 3P

Description: PERSONAL - MAINTENANCE OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : VINYL CHLORIDE

Samp. #	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	1313-1535	1.0	0.0 ppm
2	10/21/82	0858-1055	1.0	0.0 ppm
3	10/21/82	1055-1317	1.0	0.0 ppm
4	10/21/82	1317-1435	1.0	0.0 ppm
5	10/21/82	1435-1540	1.0	0.0 ppm
T.W.A.				0.0 ppm

D 005006

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Station number: V- 4P

Description: PERSONAL - UTILITY OPERATOR (GRINDER OPERATOR)

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : VINYL CHLORIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	1322-1535	1.0	0.0 ppm
2	10/21/82	0856-1048	1.0	0.0 ppm
3	10/21/82	1048-1332	1.0	0.0 ppm
T.W.A.				0.0 ppm

#####

Station number: V-20P

Description: PERSONAL - #4 EXTRUDER OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : VINYL CHLORIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/19/82	0832-1044	1.0	0.0 ppm
2	10/19/82	1044-1258	1.0	0.0 ppm
3	10/19/82	1258-1600	1.0	0.0 ppm
4	10/20/82	0900-1106	1.0	0.0 ppm
5	10/20/82	1106-1319	1.0	0.0 ppm
T.W.A.				0.0 ppm

D 005007

Station number: V-23P

Description: PERSONAL - FORK TRUCK DRIVER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : VINYL CHLORIDE

amp.#	Date	Time	TLV	Survey Results
1	10/19/82	0845-1040	1.0	0.0 ppm
2	10/19/82	1040-1302	1.0	0.0 ppm
3	10/19/82	1302-1559	1.0	0.0 ppm
4	10/20/82	0904-1110	1.0	0.0 ppm
5	10/20/82	1110-1305	1.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : CARBON MONOXIDE

amp.#	Date	Time	TLV	Survey Results
1	10/21/82	0858-1451	50.0	2.0 ppm
T.W.A.				2.0 ppm

#####

Station number: V-11M

Description: PERSONAL - PACKER ASSEMBLER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : VINYL CHLORIDE

amp.#	Date	Time	TLV	Survey Results
1	10/20/82	1349-1601	1.0	0.0 ppm
2	10/21/82	0838-1033	1.0	0.0 ppm
3	10/21/82	1033-1246	1.0	0.0 ppm
4	10/21/82	1246-1428	1.0	0.0 ppm
5	10/21/82	1428-1606	1.0	0.0 ppm
T.W.A.				0.0 ppm

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Station number: V- 4IM

Description: PERSONAL - CREW LEADER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : VINYL CHLORIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	1353-1601	1.0	0.0 ppm
2	10/20/82	0832-1030	1.0	0.0 ppm
3	10/20/82	1030-1249	1.0	0.0 ppm
4	10/20/82	1249-1425	1.0	0.0 ppm
5	10/20/82	1425-1607	1.0	0.0 ppm
T.W.A.				0.0 ppm

#####

Station number: V- 5IM

Description: PERSONAL - MIXER OPERATOR

Personal Protective Equip. Worn: YES

Sample Type : PERSONAL-
T.W.A.

Hazard : VINYL CHLORIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/20/82	1344-1602	1.0	0.0 ppm
2	10/21/82	0821-1025	1.0	0.0 ppm
3	10/21/82	1025-1239	1.0	0.0 ppm
4	10/21/82	1239-1415	1.0	0.0 ppm
5	10/21/82	1415-1605	1.0	0.0 ppm
T.W.A.				0.0 ppm

D 005009

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Station number: V- 1L

Description: AREA - T.O. & VALVE STATION

Personal Protective Equip. Worn: NO

Sample Type : STATION-

SIMPLE AVERAGE

Hazard

: TRIETHYLENE TETRAMINE-TETA

Samp.#	Date	Time	TLV		Survey Results
=====	=====	=====	=====		=====
1	10/19/82	0934-0941	10.0	<	0.1 ppm
2	10/19/82	0944-0954	10.0	<	0.1 ppm
SIMPLE AVG.					< 0.1 ppm

Personal Protective Equip. Worn: NO

Sample Type : STATION-

SIMPLE AVERAGE

Hazard

: PHENOL-SKIN

Samp.#	Date	Time	TLV		Survey Results
=====	=====	=====	=====		=====
1	10/19/82	0931-1001	5.0		0.0 ppm
2	10/19/82	1001-1031	5.0		0.0 ppm
SIMPLE AVG.					0.0 ppm

Station number: V- 2L

Description: AREA - WEST SIDE TAKE-OFF

Personal Protective Equip. Worn: NO

Sample Type : STATION-

SIMPLE AVERAGE

Hazard

: TRIETHYLENE TETRAMINE-TETA

Samp.#	Date	Time	TLV		Survey Results
=====	=====	=====	=====		=====
1	10/19/82	1318-1328	10.0	<	0.1 ppm
2	10/19/82	1328-1338	10.0	<	0.1 ppm
SIMPLE AVG.					< 0.1 ppm

D 005010

Station number V- 2L continued

Personal Protective Equip. Worn: NO

Sample Type : STATION-

SIMPLE AVERAGE

Hazard : PHENOL-SKIN

Samp.#	Date	Time	TLV	Survey Results
1	10/19/82	1315-1345	5.0	0.0 ppm
2	10/19/82	1315-1345	5.0	0.0 ppm
SIMPLE AVG.				0.0 ppm

#####

Station number: V- 3L

Description: PERSONAL - COUPLING COATER OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : TRIETHYLENE TETRAMINE-TETA

Samp.#	Date	Time	TLV	Survey Results
1	10/19/82	0954-1004	10.0	< 0.1 ppm
2	10/19/82	1004-1014	10.0	< 0.1 ppm
T.W.A.				< 0.1 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : PHENOL-SKIN

Samp.#	Date	Time	TLV	Survey Results
1	10/19/82	0930-1000	5.0	0.0 ppm
2	10/19/82	1000-1030	5.0	0.0 ppm
T.W.A.				0.0 ppm

Station number: V- 4L

Description: PERSONAL - SOFT WATER COATING TRUCK DRIVER

Reason station not operating or sampled: NOT SOFT WATER COATING

#####

Station number: V- 1T .

Description: PERSONAL - T/T OPERATORS POSITION

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
CEILING

Hazard : METHYLENE BISPHENYLISOCYANATE

Samp.#	Date	Time	TLV		Survey Results
=====	=====	=====	=====		=====
1	10/20/82	0730-1455	0.02	<	0.01 ppm
			CEILING	<	0.01 ppm

#####

Station number: V- 2T

Description: AREA - REPAIR & PATCH POSITION ON T/T LINE

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-
CEILING

Hazard : METHYLENE BISPHENYLISOCYANATE

Samp.#	Date	Time	TLV		Survey Results
=====	=====	=====	=====		=====
1	10/20/82	0728-1455	0.02	<	0.01 ppm
			CEILING	<	0.01 ppm

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Station number: V- 1PS

Description: PERSONAL - ABS CORE COATER OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : TETRAHYDROFURAN

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1018-1204	200.0	0.0 ppm
2	10/18/82	1018-1445	200.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : BUTANONE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1018-1204	200.0	0.0 ppm
2	10/18/82	1204-1445	200.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : METHYLENE CHLORIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1018-1204	500.0	0.0 ppm
2	10/18/82	1204-1445	500.0	2.2 ppm
T.W.A.				0.9 ppm

D 005013

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Station number V- 1PS continu.

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : ACRYLONITRILE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1021-1205	2.0	0.0 ppm
2	10/18/82	1205-1445	2.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : STYRENE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1021-1205	100.0	0.0 ppm
2	10/18/82	1205-1445	100.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : BUTADIENE(1,3-BUTADIENE)

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1021-1205	1000.0	0.0 ppm
2	10/18/82	1205-1445	1000.0	0.0 ppm
T.W.A.				0.0 ppm

D 005014

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Station number: V- 2PS

Description: PERSONAL - FILAMENT WINDER OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : TETRAHYDROFURAN

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1047-1209	200.0	0.0 ppm
2	10/18/82	1209-1450	200.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : BUTANONE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1047-1209	200.0	0.0 ppm
2	10/18/82	1209-1450	200.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : METHYLENE CHLORIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1047-1209	500.0	873.6 ppm
2	10/18/82	1209-1450	500.0	0.0 ppm
T.W.A.				298.6 ppm

D 005015

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Station number V- 2PS continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : ACRYLONITRILE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1047-1209	2.0	0.9 ppm
2	10/18/82	1209-1450	2.0	0.0 ppm
T.W.A.				0.3 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : STYRENE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1047-1209	100.0	0.0 ppm
2	10/18/82	1209-1450	100.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-

T.W.A.

Hazard : BUTADIENE(1,3-BUTADIENE)

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1047-1209	1000.0	0.0 ppm
2	10/18/82	1209-1450	1000.0	0.0 ppm
T.W.A.				0.0 ppm

D 005016

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Station number V- 2PS continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : TRIETHYLENE TETRAMINE-TETA

Samp.#	Date	Time	TLV		Survey Results
=====	=====	=====	=====		=====
1	10/18/82	1019-1029	10.0	<	0.1 ppm
2	10/18/82	1029-1039	10.0	<	0.1 ppm
			T.W.A.	<	0.1 ppm

#####

Station number: V- 3PS

Description: PERSONAL - HYDROFORMER OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : TETRAHYDROFURAN

Samp.#	Date	Time	TLV		Survey Results
=====	=====	=====	=====		=====
1	10/18/82	1025-1212	200.0		0.0 ppm
2	10/18/82	1212-1449	200.0		0.0 ppm
			T.W.A.		0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : BUTANONE

Samp.#	Date	Time	TLV		Survey Results
=====	=====	=====	=====		=====
1	10/18/82	1047-1211	200.0		0.0 ppm
2	10/18/82	1211-1449	200.0		0.0 ppm
			T.W.A.		0.0 ppm

D 005017

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Station number V- 3P5 continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : METHYLENE CHLORIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1025-1212	500.0	0.0 ppm
2	10/18/82	1212-1449	500.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ACRYLONITRILE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1025-1212	2.0	0.0 ppm
2	10/18/82	1212-1449	2.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : STYRENE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1025-1212	100.0	0.0 ppm
2	10/18/82	1212-1449	100.0	0.0 ppm
T.W.A.				0.0 ppm

D 005018

station number V- 3FS continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : BUTADIENE(1,3-BUTADIENE)

amp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1025-1212	1000.0	0.0 ppm
2	10/18/82	1212-1449	1000.0	0.0 ppm
T.W.A.				0.0 ppm

#####

station number: V- 4PS

Description: PERSONAL - FORK TRUCK DRIVER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : CARBON MONOXIDE

amp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1202-1450	50.0	4.3 ppm
T.W.A.				4.3 ppm

#####

station number: V- 5PS

Description: AREA - WEST OF FOREMAN'S OFFICE IN PERMASTRAN

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : CARBON MONOXIDE

amp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/18/82	1207-1450	50.0	5.1 ppm
SIMPLE AVG.				5.1 ppm

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Station number: V- 1SW

Description: PERSONAL - SPIRAL WOUND OPERATOR

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : TETRAHYDROFURAN

Samp.#	Date	Time	TLV	Survey Results
1	10/22/82	0803-1000	200.0	0.0 ppm
2	10/22/82	1000-1126	200.0	17.8 ppm
T.W.A.				7.3 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : BUTANONE

Samp.#	Date	Time	TLV	Survey Results
1	10/22/82	0803-1000	200.0	0.0 ppm
2	10/22/82	1000-1126	200.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : METHYLENE CHLORIDE

Samp.#	Date	Time	TLV	Survey Results
1	10/22/82	0803-1000	500.0	1.4 ppm
2	10/22/82	1000-1126	500.0	1.0 ppm
T.W.A.				1.3 ppm

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Station number V- 1SW continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ACRYLONITRILE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0803-1000	2.0	0.0 ppm
2	10/22/82	1000-1126	2.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : STYRENE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0803-1000	100.0	0.0 ppm
2	10/22/82	1000-1126	100.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : BUTADIENE(1,3-BUTADIENE)

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0803-1000	1000.0	0.0 ppm
2	10/22/82	1000-1126	1000.0	0.0 ppm
T.W.A.				0.0 ppm

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Station number: V- 2SW

Description: AREA - GLUE APPLICATOR - WEST SIDE

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : TETRAHYDROFURAN

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0805-0959	200.0	0.0 ppm
2	10/22/82	0959-1027	200.0	0.0 ppm
SIMPLE AVG.				0.0 ppm

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : BUTANONE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0805-0959	200.0	0.0 ppm
2	10/22/82	0959-1027	200.0	0.0 ppm
SIMPLE AVG.				0.0 ppm

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-
SIMPLE AVERAGE

Hazard : METHYLENE CHLORIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0805-0959	500.0	0.7 ppm
2	10/22/82	0959-1027	500.0	1.1 ppm
SIMPLE AVG.				0.9 ppm

D 005022

tation number V- 2SW continued

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-

SIMPLE AVERAGE

Hazard : ACRYLONITRILE

amp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0805-0959	2.0	0.0 ppm
2	10/22/82	0959-1027	2.0	0.0 ppm
SIMPLE AVG.				0.0 ppm

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-

SIMPLE AVERAGE

Hazard : STYRENE

amp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0805-0959	100.0	0.0 ppm
2	10/22/82	0959-1027	100.0	0.0 ppm
SIMPLE AVG.				0.0 ppm

Personal Protective Equip. Worn: DOES NOT APPLY

Sample Type : STATION-

SIMPLE AVERAGE

Hazard : BUTADIENE(1,3-BUTADIENE)

amp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0805-0959	1000.0	0.0 ppm
2	10/22/82	0959-1027	1000.0	0.0 ppm
SIMPLE AVG.				0.0 ppm

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Station number: V- 4SW

Description: AREA - ACCUMULATION RACK - EAST SIDE

Reason station not operating or sampled: NOT OPERATING

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Station number: V- 5SW

Description: PERSONAL- FINISHER

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : TETRAHYDROFURAN

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0757-0957	200.0	0.0 ppm
2	10/22/82	0957-1027	200.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : BUTANONE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0757-0957	200.0	0.0 ppm
2	10/22/82	0951-1027	200.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : METHYLENE CHLORIDE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0757-0951	500.0	1.0 ppm
2	10/22/82	0951-1027	500.0	0.7 ppm
T.W.A.				0.9 ppm

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Station number V-55W continued

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : ACRYLONITRILE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0757-0951	2.0	0.0 ppm
2	10/22/82	0951-1027	2.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : STYRENE

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0757-0957	100.0	0.0 ppm
T.W.A.				0.0 ppm

Personal Protective Equip. Worn: NO

Sample Type : PERSONAL-
T.W.A.

Hazard : BUTADIENE(1,3-BUTADIENE)

Samp.#	Date	Time	TLV	Survey Results
=====	=====	=====	=====	=====
1	10/22/82	0757-0957	1000.0	0.0 ppm
T.W.A.				0.0 ppm

D 005025

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Station Number: R- 15
Description: AREA - MICROWAVE OVEN - FERMASTRAN LUNCH ROOM
Sample type: NON-IONIZING
Hazard: MICROWAVE

Date	TLV	Survey Results
10/18/82	10.0 mW/cm2	.0 mW/cm2
10/18/82	10.0 mW/cm2	.0 mW/cm2
10/18/82	10.0 mW/cm2	.0 mW/cm2
10/18/82	10.0 mW/cm2	.0 mW/cm2
10/18/82	10.0 mW/cm2	.0 mW/cm2
10/18/82	10.0 mW/cm2	.0 mW/cm2

#####

Station Number: R- 25
Description: AREA - MICROWAVE OVENS IN VENDING AREA FINISHING
Sample type: NON-IONIZING
Hazard: MICROWAVE

Date	TLV	Survey Results
10/18/82	10.0 mW/cm2	.2 mW/cm2
10/18/82	10.0 mW/cm2	.2 mW/cm2
10/18/82	10.0 mW/cm2	.2 mW/cm2
10/18/82	10.0 mW/cm2	.2 mW/cm2
10/18/82	10.0 mW/cm2	.2 mW/cm2
10/18/82	10.0 mW/cm2	.2 mW/cm2

#####

Station Number: R- 35
Description: AREA - X-RAY UNIT IN MEDICAL DEPARTMENT
Sample type: IONIZING
Hazard: X-RAY

Date	Audited	TLV	Survey Results
10/18/82	YES	5.000 R	0.0 R

D 005026

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Station Number: R- 45

Description: AREA - MICROWAVE OVEN - CAFETERIA - LITTON

Sample type: NON-IONIZING

Hazard: MICROWAVE

<u>Date</u>		<u>TLV</u>	<u>Survey Results</u>
10/18/82	10.0	mW/cm2	.0 mW/cm2
10/18/82	10.0	mW/cm2	.0 mW/cm2
10/18/82	10.0	mW/cm2	.6 mW/cm2
10/18/82	10.0	mW/cm2	.0 mW/cm2
10/18/82	10.0	mW/cm2	.0 mW/cm2
10/18/82	10.0	mW/cm2	.0 mW/cm2

D 005027