PLAINTIFF'S
EXHIBIT
WH-1022

MWBB-0044089

From R&D Center - 401-3X9
MN 236-1362
Date August 20, 1987
Subject Former (W) Sharon Employees -
Occupation Health Concerns

To F. G. Grigsby - Gateway
R. J. Paschke - Gateway
A. W. Pettit - Gateway
S. I. Saltman - Gateway
R. E. Wills, Jr. - Gateway

At our recent meeting concerning former (W) Sharon employees and their occupation health concerns, I agreed to provide a summary of the air sample results. Attached is a summary beginning in 1952 and terminating in 1987 indicating the results and the appropriate permissible limit at the time. Sampling techniques, analysis techniques and permissible limits have all changed in time. Therefore, results should only be compared to the appropriate permissible limit at the time the sample was taken.

There were 173 samples taken during this period and only 7 above any permissible limit, i.e., Sample Nos. 3399, 3398, 4645, 5565, 5708, 5710 and 11116.

If you have any questions, please call.

C. W. Bickerstaff, Manager
Corporate Industrial Hygiene
Environmental Affairs

/ehw

Attachment

Discard Date

03254275

[illegible] SAMPLING DATA

Date	Sample Type	Sampling For	Results	Limit	
[illegible]-5[illegible]	Area	Dust	2.3 mg/m^3 16.6 x 1[illegible]^6 particle/mg	MAC - 15 mg/m^3 - 50 mppcf	[illegible]
6-3-52	"	"	3.4 mg/m^3 9.7 x 10^6 particle/mg	"	2[illegible]
6-26-52	"	Cyanide	1.51 mg HCN/m^3	TLV - 10 mg/m^3 (1948)	2[illegible]
[illegible]-19-52	"	HCN	None Present	"	27
[illegible]	"	"	"	"	27
[illegible]	"	"	"	"	27
[illegible]	"	"	"	"	27
[illegible]-30-53	"	HCHO	"	"	28
[illegible]-23-53	"	Cyanide	"	"	30[illegible]
"	"	"	"	"	30[illegible]
"	"	"	"	"	30[illegible]
1-12-54	"	Dust	90% - 5 to 10 microns	N/A	31[illegible]
"	"	"	50% - 5 microns	"	31[illegible]
"	"	"	30%-40% - 4 to 10 microns	"	31[illegible]
"	"	"	50% - 5 to 10 microns	"	31[illegible]
[illegible]-2-55	"	Formaldehyde	265 ppm - Acetaldehyde No Formaldehyde	200 ppm TLV(1956) 5 ppm TLV (1956)	33[illegible]
[illegible]-2-55	"	Methyl Alcohol	20 ppm CH_3OH	200 ppm TLV(1956)	34[illegible]
"	"	Phenol	0.217 ppm	5 ppm TLV(1956)	34[illegible]

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Date	Sample Type	Sampling For	Results	Limit
[illegible]-55	Area	HCHO	45 ppm Acetaldehyde No Formaldehyde	200 ppm TLV(5 ppm TLV(19
"	"	Methyl Alcohol	5.2 ppm	200 ppm TLV
"	"	Phenol	1.48 ppm	5 ppm TLV(1956)
"	"	HCHO	None detected	5 ppm TLV(1956)
"	"	Methyl Alcohol	2.8 ppm CH_3OH	200 ppm TLV(1943) (1956)
"	"	Phenol	5.2 ppm	5 ppm TLV(1956)
3-15-55	"	Dust	1.27 mg Fe_2O_3/m^3	15 mg/m^3 TLV(1956)
"	"	"	0.67 mg "	"
"	"	"	3.59 mg "	"
[illegible]-14-57	"	Aldehydes	0.004 ppm Phenol No Aldehydes	5 ppm Phenol(1956) 200 ppm TLV(1956)
"	"	"	None detected	"
[illegible]-8-58	"	Dust	0.8 x 10^6 dust count	MAC - 50 mppcf
"	"	"	1.9 x 10^6 " "	"
"	"	"	3.6 x 10^6 " "	"
5-16-61	"	"	4.1 mg/m^3	MAC - 15 mg/m^3
"	"	"	4.1 mg/m^3	"
"	"	"	2.6 mg/m^3	"
"	"	"	2.9 mg/m^3	"
"	"	"	3.6 mg/m^3	"

Date	Sample Type	Sampling For	Results	Limit
1-6-75	Area	Mineral Spirits	20 ppm	PEL = petroleum distillates 500 ppm
"	"	"	10 ppm	
"	"	"	50 ppm	
"	"	"	10 ppm	
"	"	"	10 ppm	
"	"	"	10 ppm	
"	"	"	170 ppm	
"	"	"	70 ppm	
1-7-75	"	Welding Fume	<0.7 mg/m^3	PEL = Iron Oxide Fume = 10.0 mg/m^3
"	"	"	<0.9 mg/m^3	
"	"	"	<0.9 mg/m^3	
"	"	"	2.3 mg/m^3	
"	"	"	1.4 mg/m^3	
"	"	"	<1.0 mg/m^3	
"	"	"	<1.0 mg/m^3	
"	"	"	1.0 mg/m^3	
5-16-75	Operator B.Z.	Asbestos	Fiber Count/CC = 7.91	PEL = Asbestos = 5f>5u/cm^3 (July 1972)
"	Area	"	" " = 1.90	
"	"	"	" " = 0.126	"
"	"	"	" " = 0.5	"
7-22-76	Lena Wilson	"	0.06 Fibers/CC	"
7-28-76	Donna Moore	"	<0.02 "	"

Date	Sample Type	Sampling For	Results	Limit	I.
8-10-76	Margaret Y. Seiple	Asbestos	0.03 Fibers/CC	PEL = 2f>5u/cm^3 Ceiling 10f>5u/cm^3	5(
7-27-76	Area	"	0.03 "	(July 1976)	5(
"	"	"	<0.02 "	"	5(
7-23-76	James Shafer	"	<0.02 "	"	5(
"	Area	"	<0.02 "	"	5
7-28-76	Thomas Skinner	"	<0.02 "	"	5
9-22-76	Thomas H. Davis	Lead-Tin-Cadmium	0.037 mg/m^3 Pb <0.00011 " Cd <0.00056 " Sn	PEL = Lead = 200 µg/m^3, Cadmium = 0.1 mg/m^3, Tin = 2.0 mg/m^3	5
9-10-77	John Polonsky	"	0.026 " Pb 0.000717 " Cd <0.00063 " Sn	"	5
9-9-76	John M. Smith	"	0.060 " Pb 0.000367 " Cd <0.00055 " Sn	"	5
9-9-76	John Polonsky	"	0.019 " Pd 0.00025 " Cd <0.00056 " Sn	"	
3-3-76	Lee Cunningham	Dust	0.40 mg/m^3	PEL = Total Dust = 15 mg/m^3	
3-7-76	Carroll Sauceman	"	0.52 mg/m^3	"	
"	George Benka	"	0.03 mg/m^3	"	

Date	Sample Type	Sampling For	Results	Limit	I
3-11-77	George Benka	Dust	0.06 mg/m^3	Total Dust = 15 mg/m^3	5
3-11-77	Al Langiotti	Asbestos	Sample Voided	PEL = 2f>5u/cm^3	5
3-10-77	"	"	"	(1976)	5
Not Recorded	Thomas McEntire	"	"		5
3-23-77	Joe Sternthal	Dust	5.590 mg/m^3	PEL = Total Dust = 10 mg/m^3	5
3-24-77	Area	"	0.486 mg/m^3	"	5
3-24-77	"	"	0.662 mg/m^3	"	5
3-25-77	"	"	0.362 mg/m^3	"	5
6-1-77	"	"	0.257 mg/m^3	"	5
6-2-77	"	"	1.145 mg/m^3	"	5
"	"	"	0.103 mg/m^3	"	5
5-12-77	"	"	0.676 mg/m^3	"	5
"	"	"	2.363 mg/m^3	"	5
6-2-77	"	"	0.342 mg/m^3	"	5
"	"	"	0.342 mg/m^3	PEL = Total Dust = 15.0 mg/m^3	5
"	"	"	0.419 mg/m^3	"	5
6-1-77	"	"	0.257 mg/m^3	"	5
7-15-77	"	Asbestos	<0.03	PEL = 2f>5u/cm^3, Ceiling = 10f>5u/cm^3	
7-15-77	"	"	<0.03		

Date	Sample Type	Sampling For	Results	Limit	
11-2-77	George Kovach	Iron Oxide	2.10 mg/m^3	Iron Oxide = 10 mg/m^3 = PEL	5
11-3-77	William Perrotti	"	2.18 mg/m^3	"	5
11-3-77	John Wolfe	"	4.63 mg/m^3	"	5
"	"	"	7.07 mg/m^3	"	5
"	Jim Grove	"	4.26 mg/m^3	"	5
"	Sam Serrian	"	1.19 mg/m^3	"	5
"	John Wolfe	"	10.83 mg/m^3	"	5
"	George Kovach	"	2.64 mg/m^3	"	5
"	"	"	3.80 mg/m^3	"	5
11-2-77	John Wolfe	"	2.13 mg/m^3	"	55
"	Jim Grove	"	3.18 mg/m^3	"	55
"	William Perrotti	"	1.96 mg/m^3	"	55
11-3-77	John Wolfe	"	7.07 mg/m^3	"	55
"	Sam Serrian	"	3.94 mg/m^3	"	55
"	Jim Grove	"	8.34 mg/m^3	"	55
"	Boris Milankovich	"	4.97 mg/m^3	"	55
"	"	"	3.29 mg/m^3	"	55
1-26-78	William A. Thomas	Dust, Trimelletic Anhydride	21.84 mg/m^3	Total Dust = PEL = 15 mg/m^3	57
"	Area	"	1.53 mg/m^3	Not specific analysis for TMA	57
				"	

Date	Sample Type	Sampling For	Results	Limit	I.H
2-2-78	Ralph Harkless	Dust, Trimelletic Anhydride	22.97 mg/m^3	Total Dust = PEL = 15 mg/m^3 Not specific analysis for TMA	571
2-7-78	Area	"	0.55 mg/m^3	"	571
"	"	"	0.41 mg/m^3	"	571
"	"	"	0.38 mg/m^3	"	571
10-2-78	Area	Asbestos	.0034 fibers/CC	PEL = Asbestos = 2f>5u/cm^3, 10f>5u/cm^3 (1976)	615
"	"	"	.0065 "		615
10-5-78	"	"	.0098 "		616
"	"	"	.0034		616
2-21-79	Sam Cerrian	Iron Oxide, Chromium, Nickel	Cr = 0.0036 mg/m^3 Fe = 0.2065 " Ni = 0.0024 "	PEL = Chromium = 1.0 mg/m^3, Iron Oxide = 10.0 mg/m^3, Nickel = 1.0 mg/m^3	640
"	"	"	Cr = 0.0012 " Fe = 0.348 " Ni = 0.001 "	"	64
"	Joe Marshall	"	Cr = 0.0032 " Fe = 1.43 " Ni = 0.001 "	"	64
"	"	"	Cr = 0.0018 " Fe = 0.094 " Ni = 0.001 "	"	64
"	Ted Niec	"	Cr = 0.0028 " Fe = 0.191 " Ni = N.D. <0.2 mg	"	6
"	"	"	Cr = 0.002 " Fe = 0.187 " Ni = 0.0017 "	"	6

Date	Sample Type	Sampling For	Results	Limit	I.H.
--21-7[illegible]	George Kovach	Fe,Ni,Cr	Cr = 0.003 mg/m^3 Fe = 2.20 " Ni = 0.002 "	PEL = Chromium = 1.0 mg/m^3, Iron Oxide = 10.0 mg/m^3, Nickel = 1.0 mg/m^3	6406
"	"	"	Cr = 0.002 " Fe = 0.196 " Ni = 0.001 "	"	6407
"	Andrew Danos	"	Cr = 0.004 " Fe = 0.225 " Ni = 0.001 "	"	6408
"	"	"	Cr = 0.0018 " Fe = 0.193 " Ni = 0.001 "	"	6409
"	Bill Black	Lead & Chromium	Cr = 0.0016 "	"	6410
"	John Polonsky	"	Cr = 0.0025 "	"	6411
--9-79	Bob Gotch	Lead	1.93 mg/m^3	PEL = 200 µg/m^3 (<1979)	6539
"	Bob Flynn	"	2.26 mg/m^3	"	6540
"	Donald Muffly	"	1.10 mg/m^3	"	6541
"	Cashmere Dyll	"	0.66 mg/m^3	"	6542
10-11-79	Bob McGill	Dust	0.4052 mg/m^3	PEL = Total Dust = 15 mg/m^3	6791
"	Steve Ondrej	"	0.209 mg/m^3		6792
10-15-79	John Puhl	"	0.4598 mg/m^3		6793
10-15-79	Steve Ondrej	"	0.2975 mg/m^3	Total Dust 15 mg/m^3	6794
--25-80	Glenn Holton	Resp. Dust	0.8155 mg/m^3	Respirable Dust = 5 mg/m^3 = PEL	6955

Date	Sample Type	Sampling For	Results	Limit	1.!
8-14-80	Alphonse Langiotti	Asbestos	0.012 Fibers/CC	Asbestos = 2f>5u/cm^3 Ceiling = 10f>5u/cm^3 = OSHA PEL (1976)	72
"	Thomas McEntire	"	0.0056 "		72
10-xx-81	Dale McGonagle	PCB	None detected	Chlorodiphenyl = (54% Chlorine) = 0.5 mg/m^3 (42% Chlorine) = 1.0 mg/m^3	80
"	Howard Meislik	"	"		80
"	Jerry Nichols	"	0.59 mg/m^3		80
2-24-83	Area	"	1.32 mg/l	"	90
"	"	"	None detected	"	90
"	"	"	"	"	90
"	"	"	"	"	90
9-27-85	Dave Schneider	Dust	2.9 mg/m^3	Dust = 15 mg/m^3	10
"	Charles Simpson	PCB	<0.70 mg/m^3	Chlorodiphenyl = (54% Chlorine) = 0.5 mg/m^3	10
"	Charles Tarr	"	0.79 mg/m^3	(42% Chlorine) = 1.0 mg/m^3	10
10-17-85	Eric Woodling	Dust/PCB	0.5 mg/m^3	"	11
10-18-85	Richard McCauley	PCB	1.4 mg/m^3	"	11
10-30-85	Thomas Anthony Zagrocki, Jr.	"	<0.05 mg/m^3	"	11
11-1-85	Robert Edward Evelsizer	"	<0.05 µg/m^3	Chlorodiphenyl = (54% Chlorine) = 0.5 mg/m^3 (42% Chlorine) = 1.0 mg/m^3 = OSHA PEL	11
11-18-85	Joe Gregg	"	<1 µg/m^3		11
11-22-85	David Paul Schneider	"	<1 µg/m^3		11
9-27-85	Dave Schneider	"	2.9 mg/m^3	"	11
"	Charles Simpson	"	<0.70 µg/m^3	"	11
"	Charles Tarr	"	0.79 µg/m^3	"	11

Date	Sample Type	Sampling For	Results	Limit
11-1-85	Robert Edward Evelsizer	PCB	<0.05 $\mu g/m^3$	Chlorodiphenyl - (54% Chlorine) - 0.5 mg/m^3 (42% Chlorine) - 1.0 mg/m^3 - OSHA PEL
11-18-85	Joe Gregg	"	<1 $\mu g/m^3$	"
11-22-85	David Paul Schneider	"	<1 $\mu g/m^3$	"
9-27-85	Chalres Simpson	"	<0.70 $\mu g/m^3$	"
"	Charles Tarr	"	0.79 $\mu g/m^3$	"
"	Dave Schneider	"	2.9 mg/m^3	"
10-17-85	Eric Wooding	PCB/Dust	0.5 mg/m^3 (PCB 1254 <0.0003 mg/m^3)	Dust - 15 mg/m^3
10-18-85	Richard McCauley	"	1.4 mg/m^3 (PCB 1254 <0.0004 mg/m^3)	"
10-30-85	Thomas Anthony Zagrocki, Jr.	PCB	2.5 $\mu g/m^3$	Chorodiphenyl - (54% Chlorine) - 0.5 mg/m^3 (42% Chlorine) - 1.0 mg/m^3 - PEL
4-7-86	Harry B. Ansell	"	<0.002 mg/m^3	"
"	Fred M. Malloy	"	<0.002 mg/m^3	"
5-21-87	William A. Buniekas	"	<0.09 $\mu g/m^3$/ <1.1 $\mu g/m^3$	"

8/14/87
'ehw