FORM A-1-1

GEORGE D. CLAYTON & ASSOCIATES

NOISE SURVEY DATA SHEET

Plant OCF-Berlin, New Jersey Date August 17, 1971 Study by F.M.T.

Area or Department Batch Floor Instrument B&K

Operating Conditions _____ Remarks _____

Test No.	Time	Location of Microphone	Weighting Network			Sound Pressure Level (dB) re 0.0002 Microbar Octave-Band Frequency (Hertz)									
			A		Lin.	31.5	63	125	250	500	1000	2000	4000	8000	16000
1	14:15	South side of room	80												
2	14:20	East center of room	82												
3	14:25	North side of room (Fan on)	85												
4	14:30	North side of room	83												
5	14:35	North side with mixer on	86			87	88.5	87	86	83	80	75.5	71		
		with bulk separator on	94												

PLAINTIFF'S EXHIBIT K-1035

TABLE A-2-1

GEORGE D. CLA[illegible]N & ASSOCIATES

NOISE SURVEY DATA SHEET

OWENS-CORNING FIBERGLAS

Plant Berlin, New Jersey Date 8-18-71 Study by JAB

Area or Department Boiler Room Instrument B & K 2204/1613

Operating Conditions Normal Remarks

Test No.	Time	Location of Microphone	Weighting Network			Sound Pressure Level (dB) re 0.0002 Microbar Octave-Band Frequency (Hertz)									
			A		Lin.	31.5	63	125	250	500	1000	2000	4000	8000	16000
1	07:35	East end of boiler room	89		98	93	90	86	87	84	81	81	82	80	68
2	07:40	25' South of north door, 10' West	95		101										
		of Wicks boiler													
3	07:42	West end of boiler room at work	86		95										
		bench													
4	07:46	West end of B. & W. boiler	93		97	90	85	86	87	90	88	86	84	84	72

TABLE A-3-1

GEORGE D. CLEMENTSON & ASSOCIATES

NOISE SURVEY DATA SHEET

OWENS-CORNING FIBERGLAS

Plant Berlin, New Jersey Date 8-18-71 Study by JAB

Area or Department Dowtherm Storage & Transfer Area Instrument B & K 2204/1613

Operating Conditions Normal Remarks

Test No.	Time	Location of Microphone	Weighting Network			Sound Pressure Level (dB) re 0.0002 Microbar Octave-Band Frequency (Hertz)									
			A		Lin.	31.5	63	125	250	500	1000	2000	4000	8000	16000
1	15:45	Outside east, 15' from north end, center	84		92										
2	15:48	Outside east, 15' from south end, center	87		92	84	83	81	82	86	84	78	76	74	72

GEORGE D. CLAYTON & ASSOCIATES
NOISE SURVEY DATA SHEET

OWENS-CORNING FIBERGLAS

Plant Berlin, New Jersey Date 8-18-71 Study by JAB

Area or Department Finishing Area Instrument B & K 2204/1613

Operating Conditions F-2 & F-4 Down, Otherwise Normal Remarks

Test No.	Time	Location of Microphone	Weighting Network			Sound Pressure Level (dB) re 0.0002 Microbar									
						Octave-Band Frequency (Hertz)									
			A		Lin.	31.5	63	125	250	500	1000	2000	4000	8000	16000
1	13:15	Finishing area office	60		78										
2	13:18	Integrated line-box filling	80		85										
3	13:20	North East corner, finishing area	77		84										
4	13:22	At F-1 feed hood station	82		86										
5	13:25	10' West of F-1 feed hood station	77		86										
6	13:28	At F-1 side trimmer	91		92	75	78	77	84	86	83	84	85	80	72
7	13:30	At F-1 length slitter	86		88										
8	13:33	At F-1 box filling station	84		95	80	78	84	80	80	75	76	76	73	60
9	13:35	South East corner, finishing area	80		86										
10	13:38	South West corner, box sealing machine	77		83										
11	13:40	Center, finishing area	74		81										
12	13:42	At F-3 loading station	74		83										
13	13:45	At F-3 box filling station	80		86										
14	13:47	Between F-3& F-4 box making station	78		84										

TABLE A-4-2

GEORGE D. CLA[illegible] & ASSOCIATES
NOISE SURVEY DATA SHEET

OWENS-CORNING FIBERGLAS

Plant Berlin, New Jersey Date 8-18-71 Study by JAB

Area or Department Finishing Area Instrument B & K 2204/1613

Operating Conditions _____ Remarks _____

Test No.	Time	Location of Microphone	Weighting Network			Sound Pressure Level (dB) re 0.0002 Microbar									
						Octave-Band Frequency (Hertz)									
			A		Lin.	31.5	63	125	250	500	1000	2000	4000	8000	16000
15	13:49	South East corner, special	75		82										
		materials assembly													
16	13:50	South West corner, special	76		83										
		materials assembly													
17	13:52	North of special materials	74		82										
		assembly													
18	13:54	Inside Quality Control Laboratory	59		79										
		(no activity)													

GEORGE D. ODELL & ASSOCIATES

NOISE SURVEY DATA SHEET

OWENS-CORNING FIBERGLAS

Plant Berlin, New Jersey Date 8-19-71 Study by JAB

Area or Department Maintenance Shop Instrument B & K 2204/1613

Operating Conditions _____ Remarks _____

Test No.	Time	Location of Microphone	Weighting Network			Sound Pressure Level (dB) re 0.0002 Microbar Octave-Band Frequency (Hertz)									
			A		Lin.	31.5	63	125	250	500	1000	2000	4000	8000	16000
1	14:20	At lathe operator, west end of shop, no activity	72		78										
2	14:21	Center of shop, no activity	71		80										
3	14:24	East end of shop, lift truck maintenance	70		78										
4	14:25	Center carpenter shop, no activity	72		83										
5	14:27	Center welding shop, no activity	70		78										

GEORGE D. CLAYTON & ASSOCIATES
NOISE SURVEY DATA SHEET

OWENS-CORNING FIBERGLAS
Plant Berlin, New Jersey Date 8-19-71 Study by JAB

Area or Department Mold Shop Instrument B & K 2204/1613

Operating Conditions Normal Remarks

Test No.	Time	Location of Microphone	Weighting Network			Sound Pressure Level (dB) re 0.0002 Microbar — Octave-Band Frequency (Hertz)									
			A	Imp	Lin.	31.5	63	125	250	500	1000	2000	4000	8000	16000
1	14:31	Center, blast hood operating	84		92										
2	14:33	At mold repair station, grinding, etc	102												
3	14:35	Center of shop at mold unloading	93												
		station (grinding 30' away)													
4	14:37	At mold unloading station, west	87		95	78	90	88	86	83	73	78	74	74	62
		end of hood													
5	14:40	At hood loading station	86		95										
6	14:45	Maximum impact, at mold repair		114											
		bench													

GEORGE D. CL[illegible]ON & ASSOCIATES
NOISE [illegible]RVEY DATA SHEET

OWENS-CORNING FIBERGLAS
Plant Berlin, New Jersey Date 8-18-71 Study by JAB

Area or Department Pouring Lines Instrument B & K 2204/16:1

Operating Conditions Normal Remarks

Test No.	Time	Location of Microphone	Weighting Network			Sound Pressure Level (dB)-re 0.0002 Microbar Octave-Band Frequency (Hertz)									
			A	IMP	Lin.	31.5	63	125	250	500	1000	2000	4000	8000	16000
1	14:10	Center, #1 flatware pouring line	84		92										
2	14:14	Center, #2 flatware pouring line	82		97										
		(fan on)													
3	14:15	Outside, waste loading dock	82		86										
		(noise from dust collector)													
4	14:20	#2 pouring line-mold stripping	85		93	83	85	83	81	84	83	74	71	66	55
		station													
5	14:28	Peak impact level, #2 pouring line-		129											
		mold stripping station													
6	14:30	At semi-billet line boxing station	81		86										
7	14:34	At semi-billet line loading station	89		91	72	83	83	81	80	80	81	84	84	71
8	14:37	At #2 press mold station	82		89										
9	14:39	At #1 press mold station	84		90										
10	14:43	Center of building, 20' north of north pre-hardener	84		91										

GEORGE D. CLA[illegible]ON & ASSOCIATES
NOISE SURVEY DATA SHEET

OWENS-CORNING FIBERGLAS
Plant Berlin, New Jersey Date 8-18-71 Study by JAB

Area or Department Pouring Lines Instrument B & K 2204/1613

Operating Conditions Normal Remarks

Test No.	Time	Location of Microphone	Weighting Network			Sound Pressure Level (dB) re 0.0002 Microbar Octave-Band Frequency (Hertz)									
			A	IMP	Lin.	31.5	63	125	250	500	1000	2000	4000	8000	16000
1	14:10	Center, #1 flatware pouring line	84		92										
2	14:14	Center, #2 flatware pouring line	82		97										
		(fan on)													
3	14:15	Outside, waste loading dock	82		86										
		(noise from dust collector)													
4	14:20	#2 pouring line-mold stripping	85		93	83	85	83	81	84	83	74	71	66	55
		station													
5	14:28	Peak impact level, #2 pouring line-		129											
		mold stripping station													
6	14:30	At semi-billet line boxing station	81		86										
7	14:34	At semi-billet line loading station	89		91	72	83	83	81	80	80	81	84	84	71
8	14:37	At #2 press mold station	82		89										
9	14:39	At #1 press mold station	84		90										
10	14:43	Center of building, 20' north of north pre-hardener	84		91										

GEORGE D. CLAYTON & ASSOCIATES
NOISE SURVEY DATA SHEET

OWENS-CORNING FIBERGLAS

Plant Berlin, New Jersey Date 8-18-71 Study by JAB

Area or Department Pouring Lines Instrument B & K 2204/1613

Operating Conditions Normal Remarks

Test No.	Time	Location of Microphone	Weighting Network			Sound Pressure Level (dB) re 0.0002 Microbar									
						Octave-Band Frequency (Hertz)									
			A		Lin.	31.5	63	125	250	500	1000	2000	4000	8000	16000
11	14:45	Center of building, 15' east of	90		94	83	83	91	84	83	81	82	84	84	74
		center pre-hardener													
12	14:48	30' East of north east corner of	92		97	80	81	88	95	87	85	83	83	80	78
		finishing area													
13	14:55	Integrated pipe finishing area,	92		93	84	85	86	80	80	82	84	86	82	71
		leg saw station													

Exhibit A-n-1

GEORGE D. CLAY & ASSOCIATES
NOISE SURVEY DATA SHEET

Plant OWENS-CORNING FIBERGLAS Berlin, New Jersey Date 8-18-71 Study by JAB

Area or Department SID Control Area Instrument B & K 2204/1613

Operating Conditions SID #'s. 1,5,6,8,9,12,13,14 Down Remarks

Test No.	Time	Location of Microphone	Weighting Network			Sound Pressure Level (dB) re 0.0002 Microbar Octave-Band Frequency (Hertz)									
			A		Lin.	31.5	63	125	250	500	1000	2000	4000	8000	16000
1	15:08	Center of building, 30' east of	84		90										
		drying ovens													
2	15:10	South east corner of building, 50'	82		87										
		south of SID control area													
3	15:12	#16 SID, 20' north of south end of	95		96	82	77	81	81	83	85	88	90	89	77
		control area													
4	15:15	Between #15 and #16 SID	93		95										
5	15:18	15' west of #16 SID	97		97										
6	15:20	15' west of #12 SID (steam leak)	104		104	84	81	84	88	93	94	97	100	102	93
7	15:24	Inside control area, opposite	84		86										
		#15 SID													
8	15:26	East end of #12 SID	94		95										
9	15:29	Operator's desk, east end of #9 SID	92		95	85	80	86	80	82	82	84	86	89	79
10	15:33	East of #5 SID, center	91		94										

GEORGE D. CLA[illegible]N & ASSOCIATES
NOISE SURVEY DATA SHEET

Plant OWENS-CORNING FIBERGLAS Berlin, New Jersey Date 8-18-71 Study by JAB

Area or Department SID Control Area Instrument B & K 2204/1613

Operating Conditions SID #'s. 1, 5, 6, 8, 9, 12, 13 Down Remarks

Test No.	Time	Location of Microphone	Weighting Network			Sound Pressure Level (dB) re 0.0002 Microbar Octave-Band Frequency (Hertz)									
			A		Lin.	31.5	63	125	250	500	1000	2000	4000	8000	16000
11	15:36	15' west of #9 SID	104		104										
12	15:40	15' west of #5 SID	94		96										
13	15:43	15' west of #1 SID	85		91	83	83	80	82	82	79	75	76	76	67

TABLE B-1-1
GEORGE D. CLAYTON & ASSOCIATES
INDUSTRIAL HYGIENE SAMPLING SUMMARY

nt OCF - Berlin, New Jersey — Material Total Dust, Asbestos, Silica

71 e	Sample No.	Description	Sampling Period		Sample Weight	Sample Volume	Concentration			
			Start	Stop	(mg)	Liters	Total Dust (mg/M^3)	Fibers/ml >5μ	Fibers/ml >10μ	Fibers/ml Tota
16	9214AA	Batch Floor, northwest side of batch floor opposite dumping operation (on passage way)	1327	1650	<0.10	516	<0.19	0.10	0.06	0.
16	9202AA	Batch Floor, north side between two dumping hoppers	1300	1645	2.39	3632	0.66			(%SiO 9.
16	9200AA	Batch Floor, south side between two dumping hoppers	1310	1647	0.19	1751	0.11			
17	9208AA	Batch Floor, north side opposite dumping operation	0803	1320	3.55	5117	0.69			(%Si 11.
17	9364AA	Batch Floor, south side opposite dumping operation	0905	1318	0.97	2526	0.38			
17	9222AA	Batch Floor, west side	1317	1710	31.00	592	52.4			(%Si 5.
17	9221AA	Batch Floor, south side between two dumping hoppers	1318	1714	44.62	1905	23.4			(%Si 25.
17	9224AA	Batch Floor, north side between two dumping hoppers	1320	1717	3.66	3826	0.96			(%Si 9.
		Threshold Limit Value (Asbestos)						5.0		
		Threshold Limit Value (Total Dust) 30 mg/M3 / % quartz + 3					2.0			

TABLE B-2-1
GEORGE D. CLAYTON & ASSOCIATES
INDUSTRIAL HYGIENE SAMPLING SUMMARY

at OCF - Berlin, New Jersey — Material Total Dust, Asbestos

71 e	Sample No.	Description	Sampling Period		Sample Weight	Sample Volume	Concentration			
			Start	Stop	(mg)	Liters	Total Dust (mg/M^3)	Fibers/ml >5μ	>10μ	Tota
		Finishing Area								
17	9227AA	At the southwest end of the integrated line	1105	1643	0.08	788	0.10	0.26	0.21	0.2
17	9205AA	At the southwest end of the integrated line	1120	1645	0.38	647	0.59			
17	9225AA	At southwest end of SMB Line	1056	1640	<0.10	853	<0.12	0.40	0.25	0.4
18	9343AA	10' East of F-1 Boxing Oper.	0953	1246	0.11	413	0.27	0.07	0.05	0.0
18	9362AA	10' East of F-1 Boxing Oper.	1246	1625	<0.10	519	<0.19			
18	9344AA	on F-1 horizontal slit saw	0959	1241	<0.10	352	<0.28	0.76	0.52	0.7
18	9369AA	on F-1 horizontal slit saw	1243	1632	0.18	497	0.36			
18	9345AA	head level, on front of F-1 box filler (fan blowing from behind)	1005	1244	0.30	324	0.93	0.36	0.27	0.3
18	9361AA	head level, on front of F-1 box filler (fan blowing from behind)	1245	1629	<0.10	424	<0.24			
/18	9353AA	at north end of F-3 line, feed area	1025	1250	0.25	325	0.77	0.20	0.13	0.2
/18	9370AA	at north end of F-3 line, feed area	1251	1638	0.25	508	0.49			
/18	9365AA	At F-3 Line Box Fill Station	1256	1640	0.40	563	0.71			

TABLE B-2-2
GEORGE D. CLAYTON & ASSOCIATES
INDUSTRIAL HYGIENE SAMPLING SUMMARY

nt OCF - Berlin, New Jersey — Material Total Dust, Asbestos

/1 e	Sample No.	Description	Sampling Period		Sample Weight	Sample Volume	Concentration			
			Start	Stop	(mg)	Liters	Total Dust (mg/M^3)	Fibers/ml >5μ	Fibers/ml >10μ	Fibers/ml Tota
		Finishing Area								
18	9355AA	Center, Special Materials Fabrication Area	1038	1258	.0.13	344	0.38	0.21	0.15	0.2
18	9360AA	Center, Special Materials Fabrication Area	1259	1644	0.70	523	1.3			
18	9356AA	Special Materials Laminating Area - glue only this date.	1047	1300	0.04	317	0.13			
18	9366AA	Special Materials Laminating Area - glue only this date.	1301	1646	<0.10	526	<0.19			
18	9357AA	Automatic boxing, south of F-4	1055	1625	0.31	746	0.42			
18	9358AA	50' from north and east walls of Finishing Area, near SID area.	1104	1235	<0.10	196	<0.51			
18	9368AA	50' from north and east walls of Finishing Area, near SID area.	1237	1649	<0.10	522	<0.19			
18	9359AA	At head level on F-1 feed hood	1020	1238	0.03	351	0.09	0.44	0.35	0.4
18	9367AA	At head level on F-1 feed hood	1240	1634	0.32	594	0.54			
		Threshold Limit Value						5.0		

TABLE B-3-1
GEORGE D. CLAYTON & ASSOCIATES
INDUSTRIAL HYGIENE SAMPLING SUMMARY

nt OCI - Berlin, New Jersey — Material Total Dust, Asbestos

71 e	Sample No.	Description	Sampling Period		Sample Weight	Sample Volume	Concentration			
			Start	Stop	(mg)	Liters	Total Dust (mg/M^3)	Fibers/ml >5μ	Fibers/ml >10μ	Fibers/ml Tota
		LIFT TRUCKS								
19	9349AA	TK#43 - Finishing Area	0830	1050	0.28	344	0.81	0.14	0.09	0.16
19	8396A	TK#45 - Finishing Area	0836	1555	0.04	384	0.10			
19	8398A	TK#43 - Finishing Area	1050	1537	0.35	761	0.46			
19	8400A	TK#45 - Finishing Area	1055	1545	0.32	800	0.40			
19	8404A	TK#50 - Loading Area	0900	1200	0.35	394	0.89			
19	9319AA	TK#50 - Loading Area	1201	1530	0.50	451	1.1	0.62	0.36	0.7
/19	9348AA	TK#56 - Pouring Lines	0917	1250	0.23	541	0.43	0.44	0.26	0.4
/19	8403A	TK#44 - Pouring Lines	0925	1100	<0.10	243	<0.41			
/19	9314AA	TK#56 - Pouring Lines	1250	1400	0.04	169	0.24	0.19	0.12	0.2
/19	8402A	TK#44 - Pouring Lines	1100	1545	0.08	730	0.11			

TABLE B-3-2
GEORGE D. CLAYTON & ASSOCIATES
INDUSTRIAL HYGIENE SAMPLING SUMMARY

OCF - Bellis, New Jersey — Material Total Dust, Asbestos

Sample No.	Description	Sampling Period		Sample Weight	Sample Volume	Concentration			
		Start	Stop	(mg)	Liters	Total Dust (mg/M^3)	Fibers/ml >5μ	Fibers/ml >10μ	Fibers/ml Total
	LIFT TRUCKS								
9350AA	TK#41 - Warehouse	0930	1255	<0.10	463	<0.22	0.09	0.06	0.10
9318AA	TK#41 - Warehouse	1256	1541	<0.10	373	<0.27	0.20	0.12	0.24
	Threshold Limit Value						5.0		

TABLE D-4-1

GEORGE D. CLAYTON & ASSOCIATES

INDUSTRIAL HYGIENE SAMPLING SUMMARY

OCF - Berlin, New Jersey — Material Total Dust

Sample No.	Description	Sampling Period Start	Sampling Period Stop	Sample Weight (mg)	Sample Volume Liters	Concentration Total Dust (mg/M³)	Concentration Fibers/ml >5μ	Concentration Fibers/ml >10μ	Concentration Fibers/ml Total
	Maintenance Group								
9346AA	Electric Welder's Breathing Zone (iron) in shop (no exhaust ventilation)	0901	1138	1.33	341	3.9			
9316AA	Welder's breathing zone in shop - burning with acetylene	1235	1609	0.68	464	1.5			
9347AA	Welder's breathing zone (iron) working on SID front in A.M., as machinist on SID #9 in P.M	1050	1611	1.55	748	2.1			
8382A	northeast corner of maintenance shop, lathe work	0910	1515	4.86	5845	0.83			
9322AA	northeast corner of maintenance shop, lathe work	1516	1632	0.32	1104	0.29			
8383A	East center of main shop, pipe fitting	0915	1518	0.42	3408	0.12			
9324AA	East center of main shop, pipe fitting	1520	1638	0.08	693	0.12			
	Threshold Limit Value					10.0			

TABLE B-6-1
GEORGE D. CLAYTON & ASSOCIATES
INDUSTRIAL HYGIENE SAMPLING SUMMARY

Location OCF - Berlin, New Jersey Material Total Dust, Asbestos

71 e	Sample No.	Description	Sampling Period		Sample Weight	Sample Volume	Concentration			
			Start	Stop	(mg)	Liters	Total Dust (mg/M^3)	Fibers/ml >5μ	Fibers/ml >10μ	Fibers/ml Tota
16	9195AA	Pouring Line #2 - on the west side, north end	1350	1701	<0.10	426	<0.23	0.30	0.18	0.3
16	9197AA	Pouring Line #2 - on the east side, north end	1415	1700	.0.23	299	0.77			
16	9196AA	Pouring Line #1 - on the east side behind molder gun operator.	1450	1704	1.11	2163	0.51			
16	9201AA	Pouring Line #1 - on the east side behind molder gun operator.	1500	1707	<0.10	854	<0.12			
/17	9226AA	Pouring Line #2 - east side, north end	0821	1310	0.54	549	0.98			
/17	9198AA	Pouring Line #2 - west side, center	0822	1708	1.02	1173	0.87			
/17	9199AA	Pouring Line #2 - east side behind the molder gun operator	0830	1306	0.22	624	0.35			
/17	9415AA	Pouring Line #1 - east side behind the molder gun operator	0832	1303	3.04	4375	0.69			
/17	9212AA	Pouring Line #1 - south side on east end	0833	1653	2.05	3363	0.61			
/17	9223AA	Pouring Line #2 - east side behind molder gun operator	1307	1705	<0.10	538	<0.19			
/17	9210AA	Pouring Line #2 - east side behind molder gun operator	1310	1706	1.01	448	2.3			
		Threshold Limit Value						5.0		

TABLE B-7-1
GEORGE D. CLAYTON & ASSOCIATES
INDUSTRIAL HYGIENE SAMPLING SUMMARY

...: OCF - Berlin, New Jersey Material Total Dust, Asbestos

Da...	Sample No.	Description	Sampling Period		Sample Weight	Sample Volume	Concentration			
			Start	Stop	(mg)	Liters	Total Dust (mg/M^3)	Fibers/ml >5μ	Fibers/ml >10μ	Fibers/ml Total
16	9209AA	Filter Press Area, on post opposite center line, facing west	1335	1650	<0.10	454	<0.22	0.37	0.24	0.4
16	9213AA	Ceiling above where finished pieces are loaded on the east end.	1345	1658	0.02	409	0.05			

TABLE B-7-2
GEORGE D. CLAYTON & ASSOCIATES
INDUSTRIAL HYGIENE SAMPLING SUMMARY

...t OCP - Berlin, New Jersey — Material Total Dust, Asbestos

71 ...e	Sample No.	Description	Sampling Period		Sample Weight	Sample Volume	Concentration			
			Start	Stop	(mg)	Liters	Total Dust (mg/M^3)	Fibers/ml >5μ	>10μ	Tota
17	9206AA	Filter Press Area, on post opposite center line, facing west	0815	1315	0.39	585	0.67			
17	9211AA	Ceiling above where finished pieces are loaded on the east end	0819	1633	0.14	1000	0.14			
17	9363AA	Filter Press Area, on post opposite center line, facing west	1315	1635	<0.10	449	<0.22			
		Threshold Limit Value						5.0		

TABLE B-8-1
GEORGE D. CLAYTON & ASSOCIATES
INDUSTRIAL HYGIENE SAMPLING SUMMARY

Plant OCF - Berlin, New Jersey Material Silica

1971 Date	Sample No.	Description	Sampling Period Start	Sampling Period Stop	Sample Weight	Sample Volume	Concentration SiO_2 %	Concentration	Concentration
8/19	16446	Random picked piece of finished Kaylo insulating material					<1.0		

TABLE C-1-1
GEORGE D. CLAYTON & ASSOCIATES
INDUSTRIAL HYGIENE SAMPLING SUMMARY

Plant GCF - Berlin, New Jersey — Material Carbon Monoxide

1971 Date	Sample No.	Description	Sampling Period Start	Sampling Period Stop	Sample Weight	Sample Volume	Concentration ppm		
		Lift Trucks							
8/19	CO-1	On lift truck #60, Press-SID hood area	14:30				60		
8/19	CO-2	Opposite pre-hardening ovens no truck in area	13:50				25		
8/19	CO-3	SID loading area, opposite #6 SID, center of room	13:50				50		
8/19	CO-4	Near ovens, one truck idling	13:53				40		
8/19	CO-5	General area, walking	13:55				40		
8/19	CO-6	Warehouse opposite stall 34-10 and line	14:00				<10		
8/19	CO-7	On truck #32 at pouring line	14:13				40		
8/19	CO-8	On truck #14 at finishing oven	14:30				30		
8/19	CO-9	On truck #39 on warehouse	14:37				25		
8/19	CO-10	On truck #58, SID hood area	14:45				30		
8/19	CO-11	On batch floor near operator's desk	14:50				<10		
		Threshold Limit Value					50		

TABLE C-2-1
GEORGE D. CLAYTON & ASSOCIATES
INDUSTRIAL HYGIENE SAMPLING SUMMARY

OWENS-CORNING FIBERGLAS
Plant Berlin, New Jersey

Material Carbon Monoxide

1971 Date	Sample No.	Maintenance and Mold Shops Description	Sampling Period Start	Sampling Period Stop	Sample Weight	Sample Volume	Concentration CO ppm		
8-19	1	Maintenance shop, lift truck	13:16				< 10		
8-19	2	Maintenance shop, lift truck	13:20				< 10		
8-19	3	Maintenance shop, lift truck	13:22				< 10		
8-19	4	Center, maintenance shop	13:23				< 10		
8-19	5	West end of maintenance shop	13:25				10		
8-19	6	West end of mold shop	13:30				50		
		(lift truck in area)							
8-19	7	West end of mold shop	13:32				10		
		(lift truck in area)							
8-19	8	West end of mold shop	13:34				< 10		
		(lift truck in area)							
8-19	9	East of center of mold shop	13:36				< 10		
		Threshold Limit Value					50		
		Note: Garage doors open at both ends of both shops.							

TABLE C-3-1

GEORGE D. CLAYTON & ASSOCIATES

INDUSTRIAL HYGIENE SAMPLING SUMMARY

Plant 007 - Berlin, New Jersey — Material Oil Mist, Dowtherm A

971 Date	Sample No.	Description	Sampling Period		Sample Weight	Sample Volume	Concentration		
			Start	Stop		Liters	Oil Mist mg/M^3	Dowtherm A mg/M^3	
8/17	ISO-1	SID Control area, opposite SID #6 on cat walk	0957	1458		692	15.9	3.0	
8/17	ISO-2	SID Control Area, opposite SID #6 on cat walk	0958	1459		692	47.9	6.9	
8/17	ISO-3	SID Control Area, opposite SID #15 on cat walk	1004	1501		603	8.2	1.3	
8/17	ISO-4	SID Control Area, opposite SID #15 on cat walk	1005	1502		582	20.5	2.4	
8/17	ISO-5	On Control Operator's Desk, Opposite SID #9	1010	1505		696	26.1	2.2	
8/17	ISO-6	SID Control Area, opposite SID #10 on cat walk	1015	1430		556	54.9	7.2	

TABLE C-3-2
GEORGE D. CLAYTON & ASSOCIATES
INDUSTRIAL HYGIENE SAMPLING SUMMARY

Plant OCF - Berlin, New Jersey Material Oil Mist

Date	Sample No.	Description	Sampling Period Start	Sampling Period Stop	Sample Weight	Sample Volume Liters	Concentration Oil Mist mg/M³		
/19	ISO-10	SID Loading Area, lift TK-40	0850	1205		448	42.8		
/19	ISO-11	SID Loading Area, lift TK-50	0900	1200		382	95.2		
/19	ISO-12	Pouring line #2	1000	1455		381	104		
/19	ISO-13	Pouring line #2	1001	1456		620	24.6		
/19	ISO-14	Pouring line #2	1245	1630		418	19.8		
		Threshold Limit Value					5.0		

GEORGE D. CLAY[illegible] & ASSOCIATES
HEAT STRESS SURVEY SUMMARY

PLANT OCF - Berlin, New Jersey DATE August 16, 1971

Sample No.	Time	Location	WGT °F	Equivalent WBGT °F	ACGIH Proposed Max. values	
					Work Load	Work-Rest Regimen
HS-1	15:55	Batch Floor, 2nd Level, West Side (Fan On)	71.5	78.0	Moderate	Continuous Work
HS-2	16:07	Batch Floor, 3rd Level, west side opposite stairs to tank top cat walk	74	81.0	Moderate	75% Work 25% Rest
HS-3	16:15	SID Control Area, north end opposite control panel and SID #9	78	84.8	Light	Continuous Work
HS-4	16:24	SID Control Area at operator's desk	76	82.7	Light	Continuous Work
HS-5	16:30	SID Control Area, south end, opposite SID #15	77.5	84.2	Moderate	50% Work 50% Rest
HS-6	16:36	On cat walk above SID #15	84.5	91.5	Light	25% Work 75% Rest
HS-7	16:43	On cat walk above SID #6	88.5	95.7	Light	<25% Work >75% Rest