UC 149-2

Fct III Asbestos L.K.R.

UNION CARBIDE INTERNAL CORRESPONDENCE

RECEIVED
JUL 15 1980
P.C. SHORTSLEEVE

METALS DIVISION

P. O. BOX 579 • 4625 ROYAL AVE., NIAGARA FALLS, NEW YORK 14302

To (Name) Messrs.
G. R. Adams
Division [redacted]
Location UCC-Metals Division
270 Park Avenue
New York, NY 10017

Date July 11, 1980

Originating Dept. "Calidria" Asbestos

Answering letter date

Subject Revised Fcst III-1980 and 1981 Preliminary Estimate

Copy to Messrs.
R. E. Byrne, Jr.
W. B. DeAtley/G. L. Vessels
G. L. Dickson
B. L. Ingalls
T. P. Norris
J. E. Walsh
File

Attached is a copy of the Subject as revised on 7/10/80 and submitted to Mrs. Nielsen for financial analysis. The 6/18/80 version can be discarded.

The revised Fcst III shows a reduction of $311,000 from the original. June actual was $183,000 less than originally predicted and second half sales estimates for RG products have been reduced due primarily to low auto production and continuing losses for "health" considerations.

Tomoe (Japan) has advised that they will enter no orders for August shipment due to a slipping economy and high inventories. Our floor tile customer in Australia has reduced requirements due to a formulation change and Grace has also indicated a slowing of requirements for SYLODEX products.

Although all indications are that Atlas is shutdown, GAF will not admit it or provide any estimate of requirements if they can't get Atlas. Estimated sales have not been increased due to the Atlas situation. There have been major changes in the GAF pruchasing organization and we will approach the new personnel in early August.

The new Fcst III is 99% of budgeted tons and 102% of budgeted dollars. The 1981 preliminary estimates has been reduced by $212,000.

John L. Myers

JLM:dal
Attachment

PLAINTIFF'S EXHIBIT
UC-1333

Union Carbide trial exhibit UC-1333: John L. Myers to G. R. Adams on Revised Forecast III-1980 and 1981 Preliminary...
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"CALIDRIA" ASBESTOS SALES FORECAST III 1980 — By J. L. Myers — Date 7/10/80 — Revised

PRODUCT	Thru 5/80		June Act.		1st Half Act		3Q		4Q		FCST. III		FCST. II		Budget		1981	
- Domestic	Tons	M$	Tons	M$	Tons	M$	Tons	M$	Tons	M$	Tons	M$	Tons	M$	Tons	M$	Tons	M$
SG-103-5	718	87	0	0	718	87	341	41	341	42	1400	170	2150	261	2100	247	1400	170
SG-103-7	446	54	93	11	539	65	431	53	430	52	1400	170	1270	155	1560	184	2000	244
SG-103-9	270	33	23	3	293	36	47	6	0	0	340	42	240	30	200	24	0	0
SG-104	4837	506	380	40	5217	546	2392	250	2391	250	10000	1046	9760	1020	9400	940	10250	1073
SG-130	77	13	1	0	78	13	61	10	61	10	200	33	300	47	560	88	200	33
SG-200	180	26	0	0	180	26	90	13	90	13	360	52	360	52	360	49	350	51
SG-210	112	35	50	11	162	46	94	27	94	27	350	100	400	95	595	119	300	85
HPP	24	4	0	0	24	4	0	0	0	0	24	4	0	0	0	0	0	0
HPO	239	55	40	10	279	65	135	30	136	30	550	125	1000	210	1270	254	600	136
RG-100	192	97	0	0	192	97	60	30	0	0	252	127	320	160	320	144	300	150
RG-110	94	23	1	0	95	23	52	13	53	14	200	50	325	78	320	70	200	50
RG-144	180	109	-6	-2	174	107	113	64	113	64	400	235	450	263	490	245	400	235
RG-244	144	364	6	19	150	383	100	250	100	250	350	883	427	1090	520	1144	400	1017
SG-200-X	---	---	--	--	0	0	100	16	0	0	100	16	0	0	0	0	0	0
CSV	1147	183	665	106	1812	289	594	95	594	96	3000	480	2200	352	1800	259	3200	512
SHUR	326	53	120	19	446	72	227	36	227	36	900	144	700	112	600	86	900	144
Total Domestic	8986	1642	1373	217	10359	1859	4837	934	4630	884	19826	3677	19902	3925	20095	3853	20500	3900
Export																		
SG-100-EX	1453	182	0	0	1453	182	723	91	724	91	2900	364	3100	384	3100	372	3200	402
SG-102-EX	323	40	0	0	323	40	88	10	89	10	500	60	650	87	550	64	500	60
SG-130-EX	52	9	10	2	62	11	69	12	69	12	200	35	200	33	200	30	200	35
AS-200	451	63	169	24	620	87	230	32	230	32	1080	151	920	132	920	121	1100	154
HPP-EX	1059	195	187	34	1246	229	727	134	727	134	2700	497	2930	539	2930	498	2800	515
HPO-EX	347	76	201	44	548	120	176	39	176	39	900	198	800	176	665	135	900	197
T-135-P-EX	38	23	18	12	56	35	27	18	27	18	110	71	110	71	110	64	100	63
RG-144-EX	144	80	1	1	145	81	77	42	78	43	300	166	300	166	300	147	350	196
SX-14	54	22	8	4	62	26	34	14	34	14	130	54	130	51	130	47	150	63
RG-244-EX	200	460	25	57	225	517	88	202	87	202	400	921	400	920	370	766	450	1033
SX-24	275	416	35	53	310	469	120	181	120	181	550	831	600	900	540	756	650	982
SG-210	12	3	0	0	12	3	0	0	0	0	12	3	12	3	0	0	0	0
Total Export	4408	1569	654	231	5062	1800	2359	775	2361	776	9782	3351	10152	3462	9815	3000	10400	3700
TOTAL	13394	3211	2027	448	15421	3659	7196	1709	6991	1660	29608	7028	30054	7387	29910	6853	30900	7600

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PLAINTIFF'S EXHIBIT UC-1334

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ASBESTOS INDUSTRY QUARTERLY REPORT - 40 1979
(J. L. Myers, 2/15/80)

Asbestos sales for 1979 are compared to Budget and Forecast IV in the following table:

	Actual		% Budget		% Forecast IV	
	Tons	$M	Tons	$	Tons	$
Domestic	19577	3553	88	85	102	98
Export	9093	2804	101	117	95	94
TOTAL	28,670	6357	92	97	100	96

Sales of RG-244 and drilling mud products were, respectively, only 72% and 54% of budgeted tons. This was the main reason for below budget performance and erosion of sales in these areas is expected to continue due to health/regulatory effects unless "dust-free" products are developed and marketed. The Fisher-Body Division of GMC has issued an edict that no new formulations will be evaluated if they contain asbestos. Floor tile sales were above budget due to Kentile purchases which exceeded loss of sales to GAF. We anticipate no further sales to GAF unless we make a competitive price offer or their current supplier falters.

Although domestic sales were only slightly below budget, the disparity between regions was significant due to unexpected circumstances. The following table illustrates this:

Region	Actual Sales		% Budget	
	Tons	$M	Tons	$
East	3995	1034	177	122
Midwest	6855	1021	172	119
South	6711	1033	66	73
West	2060	465	35	44
TOTAL	19,621	3553	88	85

Export sales in the 4th Quarter were artificially low because of shipments which were made but not invoiced before the closing date. These will be picked up in January. Sales of RG-244-EX and SX-24 were below expectations because of plant problems in making specification product. This situation has now been corrected and normal shipments resumed although we have a lot of "catching up" to do. For the year, export sales were a record $2804M, 8% higher than 1978. Following is a summary by country:

Country	Actual		% Budget	
	Tons	$M	Tons	$
Australia	571	147	51	85
Brazil	105	166	181	227
Canada	144	102	49	79

Cont'd

Country	Actual Tons	Actual $M	% Budget Tons	% Budget $
Europe-Grace	579	678	118	126
Non-Europe-Grace	38	45	141	180
Europe-Mercomed	59	13	128	163
Hong Kong	3	6	--	--
Japan	7569	1584	113	121
S. Africa	10	22	200	220
Taiwan	18	41	106	121
TOTAL	9096	2804	101	117

As expected, the CAL-OSHA Standards Board ignored our testimony and established an action level of 0.1 f/cc to trigger monitoring and medical examinations. A copy of Dr. Rhodes 4th Quarter Activity Summary is enclosed.

Significant quantities of CSV are now being sold through Montello to Dresser's compounder for production of silane-treated asbestos for use in oil base muds. Considerations are being given to bulk shipments. Montello has had good response from "UNIVIS", an oil-wetted pellet, and an engineering study was begun to assist in determining whether or not we should make this product at King City. The development of a "liquid thixotrope" is continuing with a customer/compounder and distributor. Optimism for a successful market program is beginning to prevail. A summary of technical/customer service activities is enclosed.

John L. Myers

JLM:dal
Enclosures

UC 149-2.

UNION CARBIDE INTERNAL CORRESPONDENCE

METALS DIVISION • P. O. BOX 579 · 4625 ROYAL AVE., NIAGARA FALLS, NEW YORK 1430

To (Name) Mr. E. W. Kantz - Niagara Falls
Division Mr. R. G. Beverly - Grand Junction
Location

Date January 21, 1980

Originating Dept. Safety, Health and Environmental Affairs

Answering letter date

Copy to Mr. J. L. Myers

Subject Fourth Quarter Activity

A detailed listing of my time allocations and main activities during the last quarter of 1979 is attached. The time split was about 60% asbestos and 40% uranium, as anticipated.

The major uranium effort in this quarter was the completion of the AMC response to the GEIS and testimony in Albuquerque. I have also become involved with two new AMC Subcommittees:

1. Ad Hoc Subcommittee on Asbestos in Water - This group is preparing responses to the Calspan report on asbestos in water and the proposed EPA Water Quality Criteria Document on asbestos. It is anticipated that this group will phase out after this specific task is completed.

2. Subcommittee on Carcinogens - This is a new subcommittee whose initial job is to prepare a response to the EPA generic proposal for airborne carcinogens (Section 112, Clean Air Act). The specific charter is still being defined but it appears that this will be quite an active group.

It should be noted that both of these activities overlap very much with similar AIA/NA actions with which I am involved. The joint interest has resulted in good coordination, cooperation, and exchange of information between the two organizations, which should prove useful in the future.

The asbestos activities include the completion of the Proceedings of the Washington Colloquium and substantial time on the preparation of the technical report on the Round-Robin monitoring study. The latter has proven to be more complex than originally anticipated and will be a main effort for the first quarter of 1980. Moderate time was also spent in the preparation of comments on several regulatory responses prepared by Kirkland and Ellis. This will also be a major effort in the first quarter of 1980.

A proposed Position Charter, MOP's and appropriate action plan for 1980 will be submitted separately.

H. B. Rhodes

Harrison B. Rhodes

/rmm
Attach.

QUARTERLY SUMMARY

Year 1979 Quarter 4th

Major Job Designation	L-1 Monitor and Address	L-2 Forewarn & Inform Managers	L-3 Represent UCC at Asbestos Mtgs.	L-4 Working Relationships	S-1 Represent UCC at Meetings - Other Meetings	S-2 Provide Customer Service - Asbestos	Other	1.3 Preparation of Plans (General)		
URANIUM										
Regulatory										
1. EPA - Radioactive Waste Criteria										
2. EPA - 40 CFR-190	4				4					
3. EPA - Inactive Tailings (Nov. 8, 1979)										
4. EPA - Active Tailings (May 8, 1980)										
5. NRC - From GEIS	94									
6. NRC - From #3 (EPA Inactive Tailings)										
7. EPA - Generic Carcinogens	6				2					
8. EPA - Water Quality	12				8					
Legislative										
1. U.M.T.A. 78 + Amendments										
2. Co-Mingled Tailings										
Conferences and Training		4								
Miscellaneous							14			
TOTALS	116	4	0	0	12	0	14	0	146	38%
ASBESTOS										
General										
1. AIA/HA - Executive Committee			24							
" - Board of Directors			4							
" - Monitoring Committee										
" - Technical Committee										
" - Standards Advisory Committee	4		8							
2. Air Monitoring										
Round Robin	45									
DMAP	2		32							
Washington Colloquim	42									
3. Customer Service						12				
4. General Programs										
Help										
Distributors - Education										
Monitoring										
Worker Education										
Regulatory										
1. OSHA										
2. EPA (Water Qual., Work Prac.)	15									
RESHAPS										
TOSCA	6									
RECRA										
3. DOT										
4. CPSC	3									
5. California										
6. Other States										
Legislative										
1. School Ceilings	5									
2. Workmen's Compensation	2						2			
Conferences and Training										
Miscellaneous	2	18					9			
TOTALS	126	18	68	0	0	12	11	0	235	61%
GENERAL										
Planning								7		
Training										
TOTALS	0	0	0	0	0	0	0	7	7	1%
OVERALL TOTALS	242	22	68	0	12	12	25	7	388	100%

UC 1332

UNION CARBIDE INTERNAL CORRESPONDENCE

METALS DIVISION • P. O. BOX 579 · 4625 ROYAL AVE., NIAGARA FALLS, NEW YORK 14302

To (Name) Mr. J. L. Myers
Division UCC - Metals
Location Niagara Falls, NY

Date December 31, 1979
Originating Dept. "Calidria" Asbestos
Answering letter date

Copy to Mr. R. E. Byrne, Jr.
File

Subject Technical Services - Activity Report - Fourth Quarter 1979

Technical services activities during the fourth quarter are summarized in the attachments.

Dust monitoring services were provided at 28 customer facilities during 1979. Six monitorings were also conducted at Union Carbide facilities including Niagara Falls and King City. The technical service group participated in three developmental projects sponsored by the Dust Measurement Advisory Panel of the AIA.

Some 24 customer related technical service projects were performed during 1979. An updated and revised edition of the "Calidria" Asbestos Physical Tests and Procedures Manual was issued in December.

Developmental programs included silane-treated RG-244, UNIVIS (oil-treated SG-200X) and production related projects. Typical properties of standard, superstandard, and high-purity products were reviewed based on extensive testing of 1976, 1977 and 1978 production materials.

Mr. Fred Smith joined the technical services group in June. He has been in OJT programs pertaining to dust monitoring and counting projects and laboratory techniques. He attended the NIOSH Asbestos Count Program in September.

ON-THE-JOB-TRAINING

The writer attended two seminars during the year; Asbestos Materials Techniques, University of Lavel, and a course on Persuasive Communications by Nurenberg Communications.

B. L. Ingalls

Blair L. Ingalls

/rmm
Attachments

Developmental Programs and Plant Assistance Fourth Quarter - 1979

Month	Requested By	Job Description
October	B. L. Ingalls	Centrifugal test procedure study.
	S. Ramachandran	Silane-treated RG-244 patent evaluation.
	W. B. DeAtley	Monthly QC composite testing.
	W. L. Murphy	Niagara Falls plant OSHA compliance inspection.
November	W. B. DeAtley	Assisted King City plant with RG-244 circuit problems.
	W. L. Murphy	Established program for the disposal of laboratory toxic and hazardous wastes.
	S. Ramachandran	Silane-treated RG-244 patent evaluation.
	W. B. DeAtley	Monthly QC composite testing.
December	J. L. Myers	Pilot tests of UNIVIS production equipment at Combs and Company.
	H. B. Rhodes	DMAP-AIA specific field training slides evaluation.
	S. Ramachandran	Silane-treated RG-244 patent evaluation.

Technical Services
Fourth Quarter - 1979

Month	Customer	UCC Rep.	Job Description
October	State University at Brockport	Dr. F. Mumpton	SEM evaluation of volcanic tuff samples from Turkey.
	W. R. Grace	R. E. Byrne	Preparation of SEM photo-micrographs of RG-144 and RG-244.
	-	J. L. Myers	Compilation of data for general marketing brochure.
	Karnak	G. L. Dickson	Customer complaint concerning moisture content of RG-244.
November	-	B. L. Ingalls	Compilation of asbestos physical tests and pro-cedures manual.
December	-	R. E. Byrne	"Calidria" asbestos brochure revisions.
	-	B. L. Ingalls	Characterization of "Calidria" products typical properties.

Summary of Dust Counts
Fourth Quarter - 1979

Month	Customer	UCC Representative
October	Ceilcote Cleveland, Ohio	G. L. Dickson
	Durable Coatings Cleveland, Ohio	G. L. Dickson
	Michael-Walters Valier, Illinois	E. J. Kleber
November	Automotive Chemical Detroit, Michigan	E. J. Kleber
December	Mica Kote San Leandro, California	T. P. Norris
	UCC - Lab 114 Niagara Falls, New York	B. L. Ingalls
	UCC - Lab 118 Niagara Falls, New York	B. L. Ingalls
	UCC - Lab 205 Niagara Falls, New York	B. L. Ingalls