UNION CARBIDE

INTERNAL CORRESPONDENCE

MINING AND METALS DIVISION • P. O. BOX 579, NIAGARA FALLS, NEW YORK 14302

To (Name) Mr. L. Crowe
Division Union Carbide Corporation
Location P. O. Box K
King City, California

Date March 17, 1970

Originating Dept.

Answering letter date —

Subject

Copy to Messrs. J. L. Myers
H. B. Rhodes
J. A. Riddle

PLAINTIFF'S EXHIBIT
Exhibit UC-1318

The attached test results for R-G244 and A-28 are those which have accumulated over the past several months. In all cases, you have already been advised of those pallets which did not "pass" our tests, but to keep the record straight, we have included all materials not previously reported.

As you know, we are concerned over the number of samples with high pH and/or low viscosity. We believe that pH values can and should be controlled at 9.0 max. A comparison of King City versus Niagara Falls polyester viscosity test results show a definite plus bias of about 5-6000 cps at King City (or negative bias at N.F.). We have recently examined our actual test techniques and believe we have not changed since the visit of Bob Kennedy and I at King City. Perhaps someone at King City should do likewise. As we have said before, we believe we should err on the low side, if at all, in order to insure that no low viscosity material is shipped.

Although we have no definite performance criteria to cite, we are also concerned about the recent increases in + 100 and 200 M particles in R-G244. We are sure that we will be in trouble eventual if this trend continues. We should begin to think of establishing an upper limit for both. Just for kicks, we would suggest 0.05% +100 M and 3.0 - 3.5% + 200 M for openers. Perhaps you could determine how such limits would affect our present production levels. Since this upward trend is probably due to pushing our present blower-sifter, I believe we should get an additional unit on order for either our present or expanded facilities.

Best regards.

R. E. Byrne, Jr.

REB:ckb

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R-G 244

Niagara Falls Test Results

Pallet	Visc.	pH	S.V.	Pallet	Visc.	pH	S.V.
893-1	40	8.7	92	895-5	35	8.9	100
2	39	8.9	92	6	35	8.9	98
3	40	8.9	96	7	28(30)	9.0	94
4	39	9.0	96	8	31(29)	9.2	98
5	36	9.1	92	9	30(29)	9.1	96
6	38	8.9	98	10	30	9.2	94
7	33	9.2	98	896-1	32	9.2	100
8	34	9.2	96	2	33	9.2	98
9	34	9.1	98	3	32	9.2	98
10	37	8.9	96	4	35	9.1	92
894-1	37	8.9	94	5	37	9.1	98
2	35	8.9	94	6	34	9.0	96
3	38	8.8	96	7	29	9.0	98
4	38	8.8	96	8	29(29)	8.9	96
5	30	8.8	94	9	29(29)	9.0	96
6	34	8.8	85	10	30(30)	9.0	96
7	35	8.8	94	897-1	31	9.0	98
8	33	8.6	96	2	27(29)	9.1	100
9	36	8.6	96	3	27(27)	9.1	94
10	32	8.8	96	4	34	9.2	98
895-1	32	9.0	100	5	32	9.3	98
2	33	9.0	100	6	33	9.3	94
3	32	8.9	96	7	34	9.3	100
4	33	8.9	94	8	34	9.3	100

Pallet	Visc.	pH	S.V.
897-9	32	9.3	100
10	13(33)	9.3	92
898-1	32	9.3	90
2	32	9.3	90
3	34	9.3	96
4	33	9.3	87
5	33	9.3	87
6	32	9.3	94
7	31	9.3	94
8	27	9.3	90
9	29	9.3	96
10	25	9.4	98
899-1	29	9.4	98
2	32	9.3	98
3	34	9.3	96
4	31	9.6	98
5	38	9.6	98
6	36	9.5	98
7	32	9.2	98
8	31	9.4	98
9	33	9.4	96
10	30	9.2	96
900-1	28(28)	9.2	100
2	29(31)	9.3	98
3	29(28)	9.2	100
4	30	9.2	94

Pallet	Visc.	pH	S.V.
900-5	31	9.2	100
6	30	9.3	100
7	30	9.2	100
8	33	9.2	94
9	32	9.2	94
10	29(31)	9.3	92
901-1	31	9.3	98
2	30	9.3	98
3	30	9.3	92
4	38	9.2	96
5	36	9.2	98
6	34	9.2	98
7	34	9.1	96
8	30	9.0	96
9	—	—	—
10	—	—	—
Pal-2	34	9.1	98
3	33	9.1	98
4	32	9.2	96
5	33	9.1	98
6	38	9.1	98
7	38	9.1	98
8	37	9.1	96
9	35	9.1	98
10	35	9.0	98
11	33	9.0	98

Pallet	Visc.	pH	S.V.	Pallet	Visc.	pH	S.V.
12	29	9.0	96	38	37	9.1	90
13	30	9.0	96	39	37	9.1	92
14	30	9.1	96	40	33	9.1	96
15	30	9.1	98	41	38	9.2	89
16	32	9.2	94	42	41	9.3	96
17	32	9.1	96	43	37	9.3	98
18	29	9.1	92	44	35	9.3	98
19	27(27)	9.2	96	45	32	9.2	94
20	44	9.0	94	46	34	9.2	98
21	35	9.1	85	47	32	9.2	92
22	37	9.2	89	48	33	9.1	94
23	33	9.1	85	49	40	9.2	100
24	37	9.1	89	50	38	9.2	96
25	35	9.1	85	51	41	9.2	96
26	35	9.2	89	52	40	9.2	94
27	32	9.1	83	53	39	9.2	96
28	32	9.2	75	54	39	9.1	94
29	32	9.1	71	55	36	9.1	98
30	32	9.1	90	56	34	9.0	94
31	32	9.3	92	57	35	9.0	98
32	32	9.2	94	58	32	9.1	98
33	37	9.2	96	59	32	9.1	98
34	39	8.9	96	60	33	9.2	92
35	—	—	—	61	34	9.2	98
36	37	9.1	96	62	35	9.1	96
37	35	9.0	90	63	36	9.2	98

Pallet	Visc.	pH	S.V.	Pallet	Visc.	pH	S.V.
64	35	9.2	96	91	26	9.4	90
65	36	9.2	98	92	33	9.4	94
66	40	9.2	98	93	28	9.4	98
67	38	9.0	96	94	29	9.4	98
68	35	9.0	98	95	29	9.4	100
60	32	9.0	96	96	24(25)	9.5	100
70	32	9.0	98	97	27	9.6	90
71	38	9.0	90	98	27(26)	9.6	90
72	34	9.0	98	99	25(26)	9.5	85
73	34	9.0	96	100	26	9.4	98
74	34	9.0	96	101	24(24)	9.4	98
75	32	9.0	100	102	26(27)	9.4	98
76	35	9.3	96	103	38	9.6	96
77	37	9.4	96	104	26	9.4	90
78	39	9.3	96	A-28-126	26	9.3	77
79	35	9.3	94	127	25	9.2	80
80	31	9.3	92	128	25	9.3	75
81	27(26)	9.4	94	129	31	9.2	9.2
82	32	9.4	96	130	31	9.2	85
83	33	9.4	98	131	30	9.2	94
84	26(27)	9.4	98	132	37	9.2	90
85	27(26)	9.4	96	133	36	8.9	94
86	36	9.4	98	134	29	9.1	90
87	34	9.3	98	135	30	9.0	90
88	28	9.4	94	136	36	9.2	92
89	30	9.4	98	137	26	9.3	86
90	28	9.4	94	138	27	9.2	92

Pallet	Visc.	pH	S.V.	Pallet	Visc.	pH	S.V.
139	29	9.2	96				
140	31	9.2	96				
141	33	9.1	96				
142	37	8.9	94				
143	37	9.1	94				
144	41	9.0	94				
145	36	8.9	92				
146	33	8.9	98				

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