



Institute of Paper Science and Technology

BASE-LINE
1st HALF, 1991

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JAN-FEB, MAR-APR, MAY-JUN, 1991)

A Progress Report

to

THE CONTAINERBOARD & KRAFT PAPER GROUP

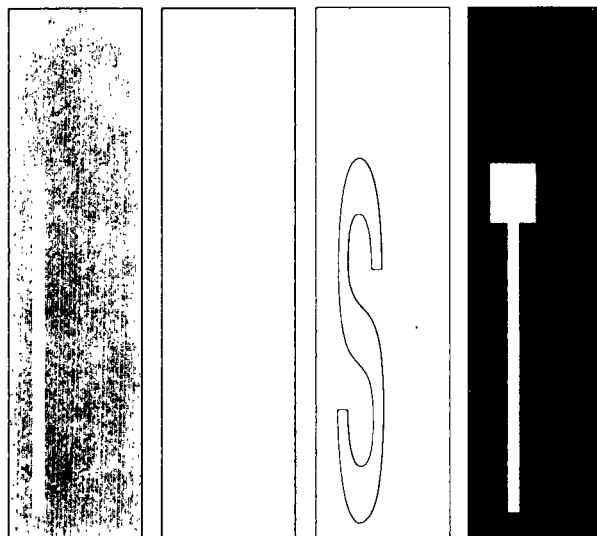
OF THE

AMERICAN PAPER INSTITUTE

Project 2694-1

Report One-Hundred Nine

September 1, 1991



Atlanta, Georgia

BASE-LINE
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THE INSTITUTE OF PAPER SCIENCE AND TECHNOLOGY
Atlanta, Georgia

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JAN-FEB, MAR-APR, MAY-JUN, 1991)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA
(JAN-JUN, 1991)

MOISTURE CONTENT, %

Linerboard Grade Wt.		JAN-FEB		MAR-APR		MAY-JUN	
26 Lb.	Max.	7.0		7.3		7.1	
	Min.	4.9		4.9		4.8	
	Ave.	5.8	(9)	5.8	(11)	5.7	(12)
33 Lb.	Max.	7.0		7.2		7.1	
	Min.	4.2		4.2		4.3	
	Ave.	6.0	(17)	5.9	(17)	5.9	(17)
38 Lb.	Max.	6.3		6.8		7.1	
	Min.	5.5		5.0		5.4	
	Ave.	5.9	(13)	5.9	(13)	5.9	(11)
42 Lb.	Max.	7.0		7.0		7.1	
	Min.	4.8		5.2		5.1	
	Ave.	6.0	(31)	6.0	(30)	6.1	(30)
69 Lb.	Max.	7.5		7.4		7.8	
	Min.	5.6		5.6		5.6	
	Ave.	6.4	(24)	6.5	(23)	6.6	(21)
90 Lb.	Max.	7.6		7.8		8.2	
	Min.	6.0		6.0		5.9	
	Ave.	6.7	(9)	6.7	(10)	6.8	(8)

Max. and Min. values are current machine averages.

Ave. is current C.K.P.G. average, number of machines is indicated in parentheses.

Part II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA
(JAN-JUN, 1991)

Adjusted Basis Weight, Lb/M sq ft

Linerboard Grade Wt.		JAN-FEB		MAR-APR		MAY-JUN	
26 Lb.	Max.	26.6		27.3		26.8	
	Min.	25.8		25.8		25.8	
	Ave.	26.2	(11)	26.3	(13)	26.2	(14)
33 Lb.	Max.	34.5		34.6		34.4	
	Min.	32.6		32.7		32.7	
	Ave.	33.3	(20)	33.3	(21)	33.3	(20)
38 Lb.	Max.	40.5		39.8		40.1	
	Min.	37.7		37.4		37.5	
	Ave.	38.6	(14)	38.4	(14)	38.4	(12)
42 Lb.	Max.	43.5		43.9		43.5	
	Min.	41.5		41.1		41.5	
	Ave.	42.3	(32)	42.2	(30)	42.2	(31)
69 Lb.	Max.	70.8		70.8		70.8	
	Min.	68.0		67.8		67.9	
	Ave.	69.3	(25)	69.3	(24)	69.3	(22)
90 Lb.	Max.	91.2		91.5		91.5	
	Min.	89.6		87.1		89.6	
	Ave.	90.2	(9)	89.8	(10)	90.3	(8)

Max. and Min. values are current machine averages.

Ave. is current C.K.P.G. average, number of machines is indicated in parentheses.

Part III: SUMMARY OF CALIPER DATA
(JAN-JUN, 1991)

Caliper, pt.

Linerboard Grade Wt.		JAN-FEB		MAR-APR		MAY-JUN	
26 Lb.	Max.	8.4		8.4		8.5	
	Min.	6.6		6.7		6.7	
	Ave.	7.5	(11)	7.6	(13)	7.5	(14)
33 Lb.	Max.	10.7		10.7		10.3	
	Min.	8.1		7.9		8.5	
	Ave.	9.3	(20)	9.4	(21)	9.4	(20)
38 Lb.	Max.	11.6		11.6		11.8	
	Min.	9.4		9.5		9.4	
	Ave.	10.5	(13)	10.7	(14)	10.6	(12)
42 Lb.	Max.	13.0		13.0		12.9	
	Min.	10.7		10.2		10.6	
	Ave.	11.7	(32)	11.7	(31)	11.6	(31)
69 Lb.	Max.	20.0		20.0		20.2	
	Min.	16.5		16.6		16.5	
	Ave.	18.7	(25)	18.9	(24)	18.8	(22)
90 Lb.	Max.	25.6		25.9		25.7	
	Min.	23.9		23.8		23.3	
	Ave.	24.9	(9)	24.9	(10)	25.0	(8)

Max. and Min. values are current machine averages.

Ave. is current C.K.P.G. average, number of machines is indicated in parentheses.

Part IV: SUMMARY OF BURSTING STRENGTH DATA
(JAN-JUN, 1991)

Bursting Strength, psig

Linerboard Grade Wt.		JAN-FEB		MAR-APR		MAY-JUN	
26 Lb.	Max.	78.0		86.3		89.9	
	Min.	68.0		66.0		69.0	
	Ave.	72.6	(11)	72.7	(13)	74.5	(14)
33 Lb.	Max.	104.3		102.4		107.3	
	Min.	82.4		80.0		80.0	
	Ave.	88.8	(20)	88.7	(21)	89.2	(20)
38 Lb.	Max.	111.0		120.4		112.9	
	Min.	90.5		94.0		81.0	
	Ave.	100.8	(14)	102.4	(14)	99.5	(12)
42 Lb.	Max.	118.8		127.2		123.2	
	Min.	102.0		100.0		101.0	
	Ave.	107.6	(32)	112.0	(30)	109.0	(31)
69 Lb.	Max.	163.6		174.5		169.6	
	Min.	132.5		131.5		131.0	
	Ave.	148.1	(25)	149.5	(24)	150.3	(22)
90 Lb.	Max.	188.6		206.2		192.6	
	Min.	153.5		153.5		166.0	
	Ave.	175.6	(9)	180.1	(10)	180.8	(8)

Max. and Min. values are current machine averages.

Ave. is current C.K.P.G. average, number of machines is indicated in parentheses.

Part V: SUMMARY OF CD RING CRUSH DATA
(JAN-JUN, 1991)

CD Ring Crush, lb

Linerboard Grade Wt.		JAN-FEB		MAR-APR		MAY-JUN	
26 Lb.	Max.	48.0		51.0		49.0	
	Min.	38.0		33.0		32.0	
	Ave.	41.9	(7)	40.6	(9)	40.6	(10)
33 Lb.	Max.	76.0		81.0		75.0	
	Min.	48.0		46.0		48.0	
	Ave.	63.1	(10)	62.6	(12)	61.4	(12)
38 Lb.	Max.	86.0		91.0		86.0	
	Min.	59.0		63.0		48.0	
	Ave.	73.2	(12)	74.8	(10)	72.6	(9)
42 Lb.	Max.	105.0		103.0		96.6	
	Min.	68.0		64.0		65.0	
	Ave.	82.8	(22)	84.1	(21)	82.6	(20)
69 Lb.	Max.	163.6		174.8		165.4	
	Min.	116.0		110.0		116.2	
	Ave.	134.8	(16)	134.5	(15)	134.1	(15)
90 Lb.	Max.	208.8		223.9		219.8	
	Min.	152.0		149.0		161.0	
	Ave.	169.3	(7)	173.0	(8)	174.5	(7)

Max. and Min. values are current machine averages.

Ave. is current C.K.P.G. average, number of machines is indicated in parentheses.

Part VI: SUMMARY OF STFI DATA
(JAN-JUN, 1991)

CD STFI, lb/in

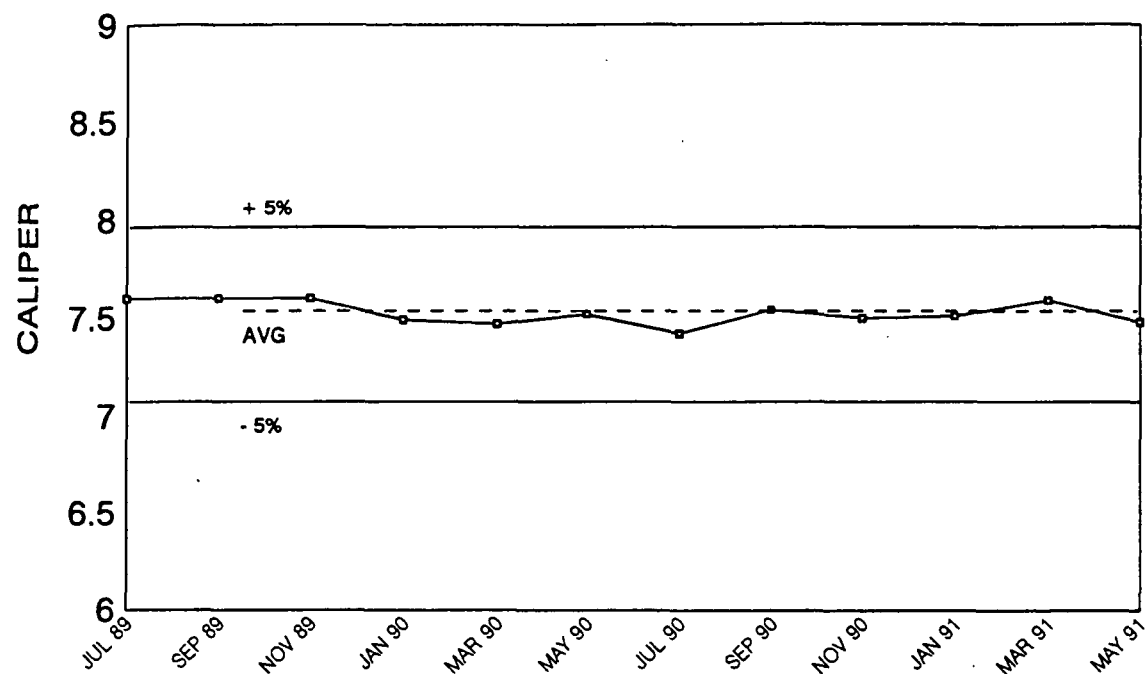
Linerboard Grade Wt.		JAN-FEB		MAR-APR		MAY-JUN	
26 Lb.	Max.	16.0		16.0		15.3	
	Min.	11.6		12.3		13.6	
	Ave.	13.9	(4)	14.0	(4)	14.5	(4)
33 Lb.	Max.	19.0		19.0		19.0	
	Min.	13.9		15.4		16.4	
	Ave.	17.2	(10)	17.2	(8)	17.2	(7)
38 Lb.	Max.	21.0		21.0		20.4	
	Min.	18.2		17.9		19.6	
	Ave.	20.0	(3)	19.6	(4)	19.9	(4)
42 Lb.	Max.	22.8		22.7		23.1	
	Min.	19.5		19.6		19.4	
	Ave.	21.1	(12)	21.1	(12)	21.3	(12)
69 Lb.	Max.	34.1		37.1		36.6	
	Min.	29.1		29.9		28.4	
	Ave.	31.9	(9)	32.2	(9)	32.4	(8)
90 Lb.	Max.	44.0		44.0		43.4	
	Min.	37.0		37.0		37.6	
	Ave.	41.0	(4)	40.0	(4)	40.9	(4)

Max. and Min. values are current machine averages.

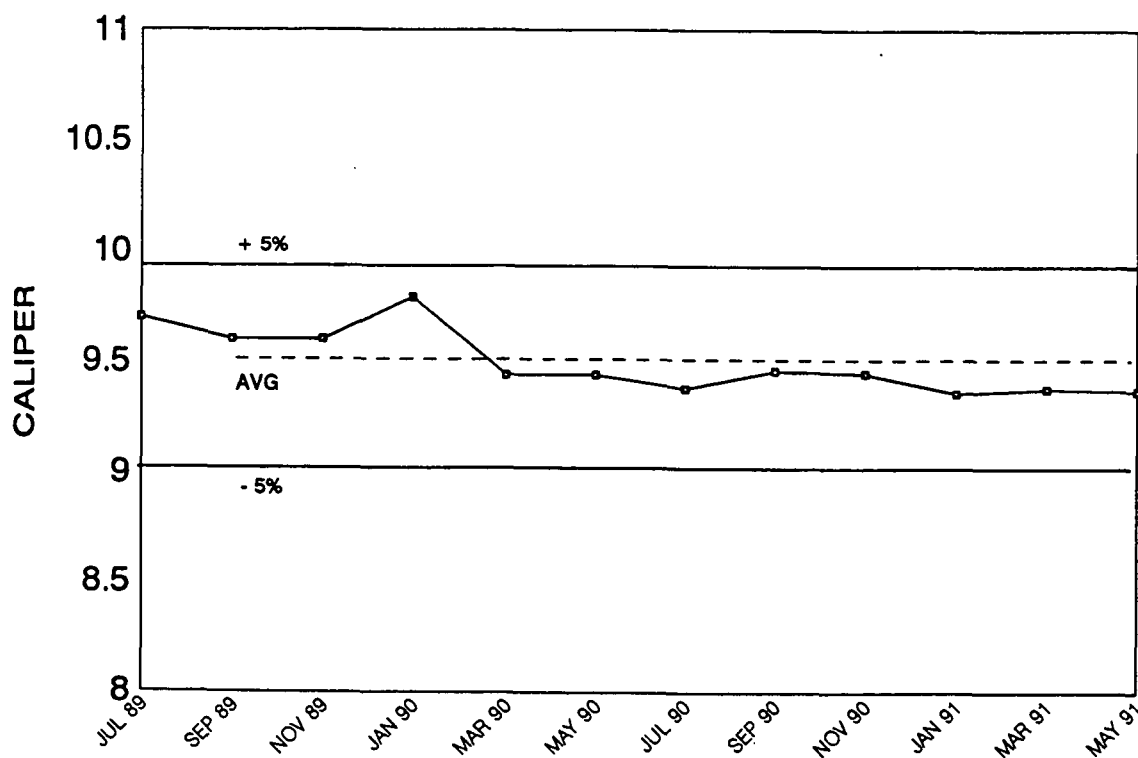
Ave. is current C.K.P.G. average, number of machines is indicated in parentheses.

2 YEAR TREND PLOT FOR CALIPER

• 26 LB

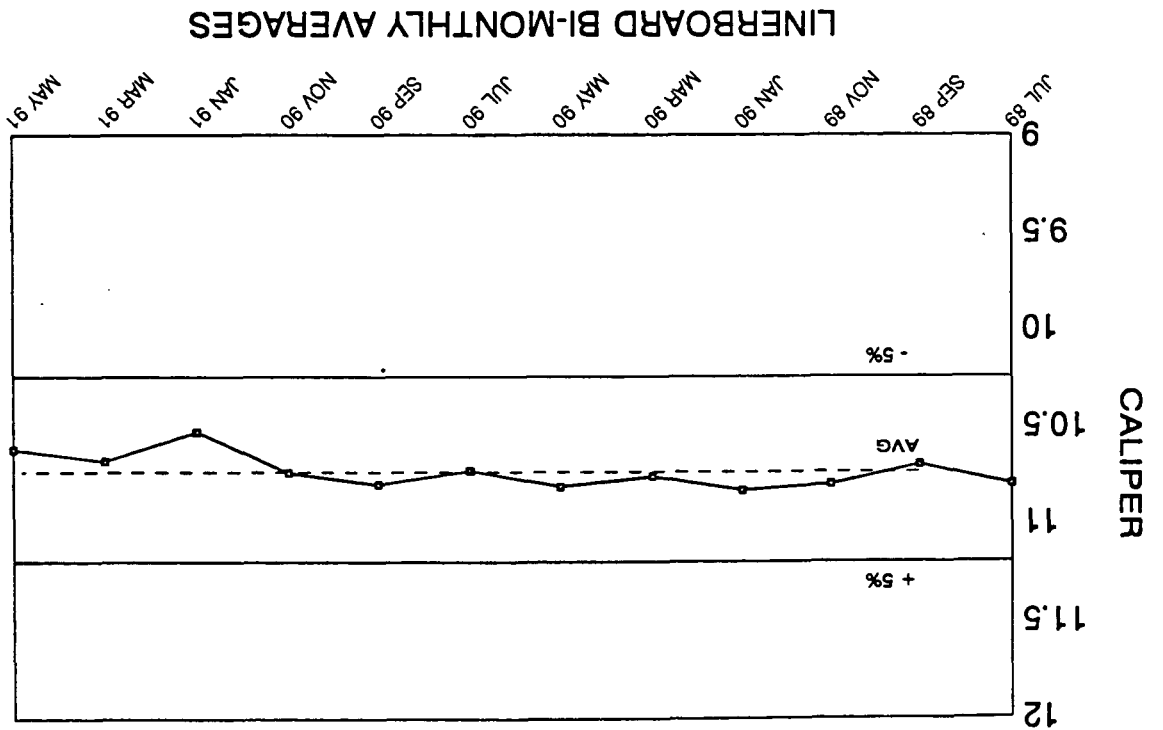
**LINERBOARD BI-MONTHLY AVERAGES**

• 33 LB

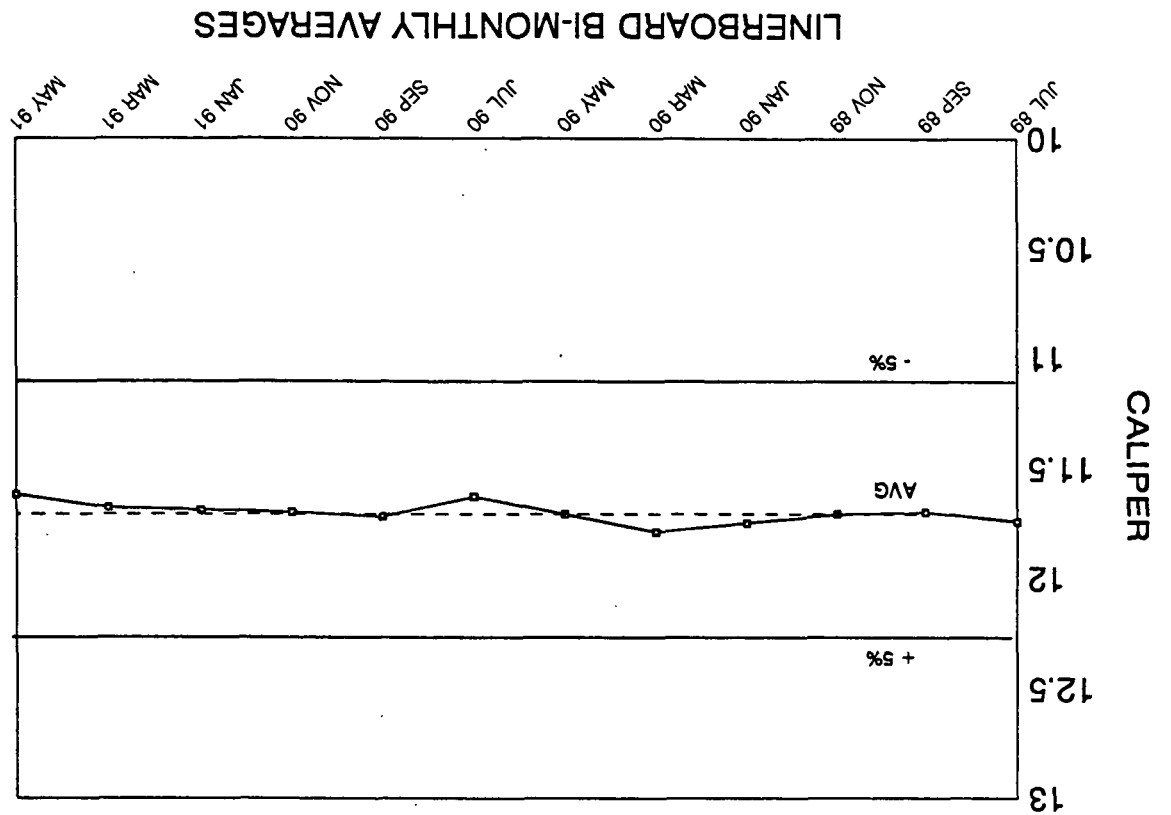
**LINERBOARD BI-MONTHLY AVERAGES**

2 YEAR TREND PLOT FOR CALIPER

→ 38 LB

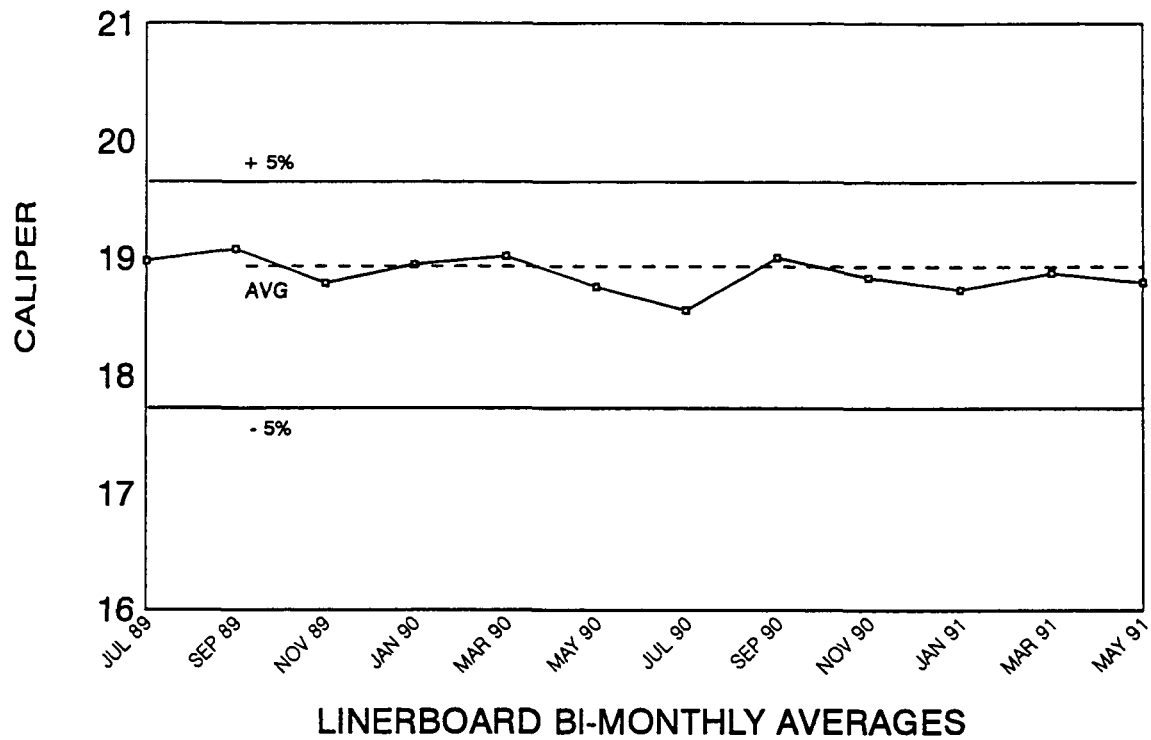


→ 42 LB

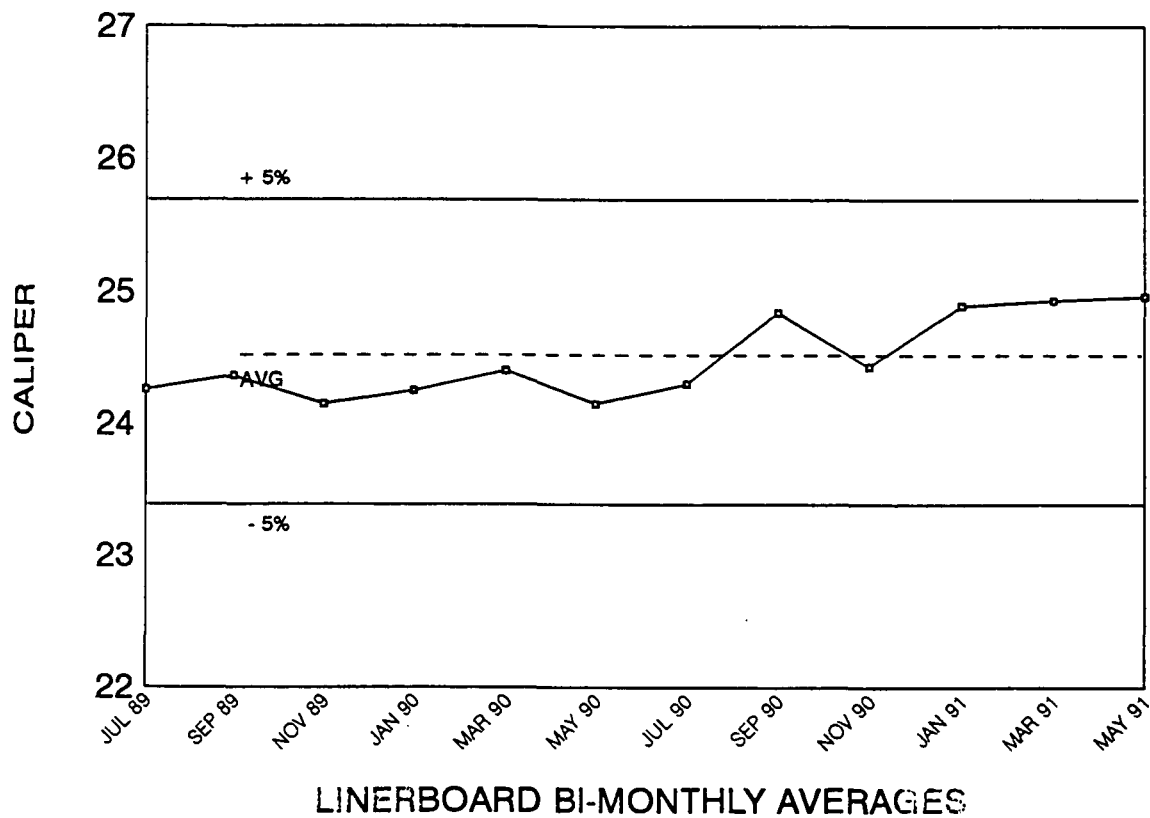


2 YEAR TREND PLOT FOR CALIPER

69 LB

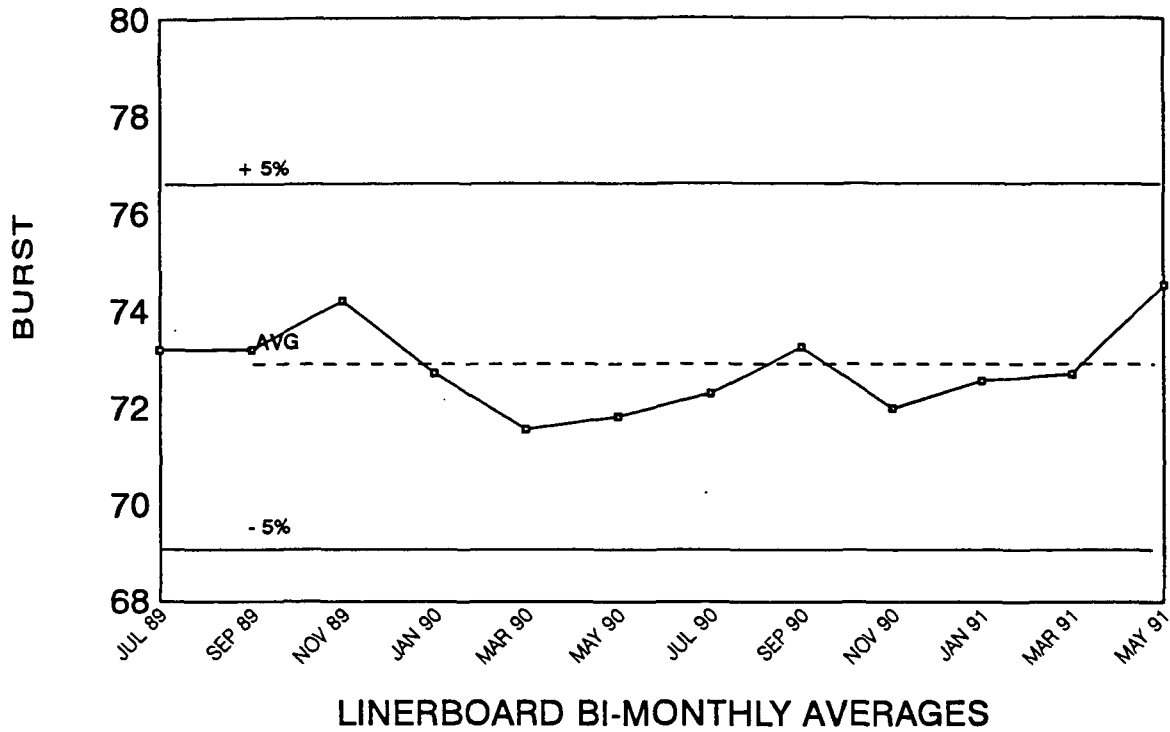


90 LB

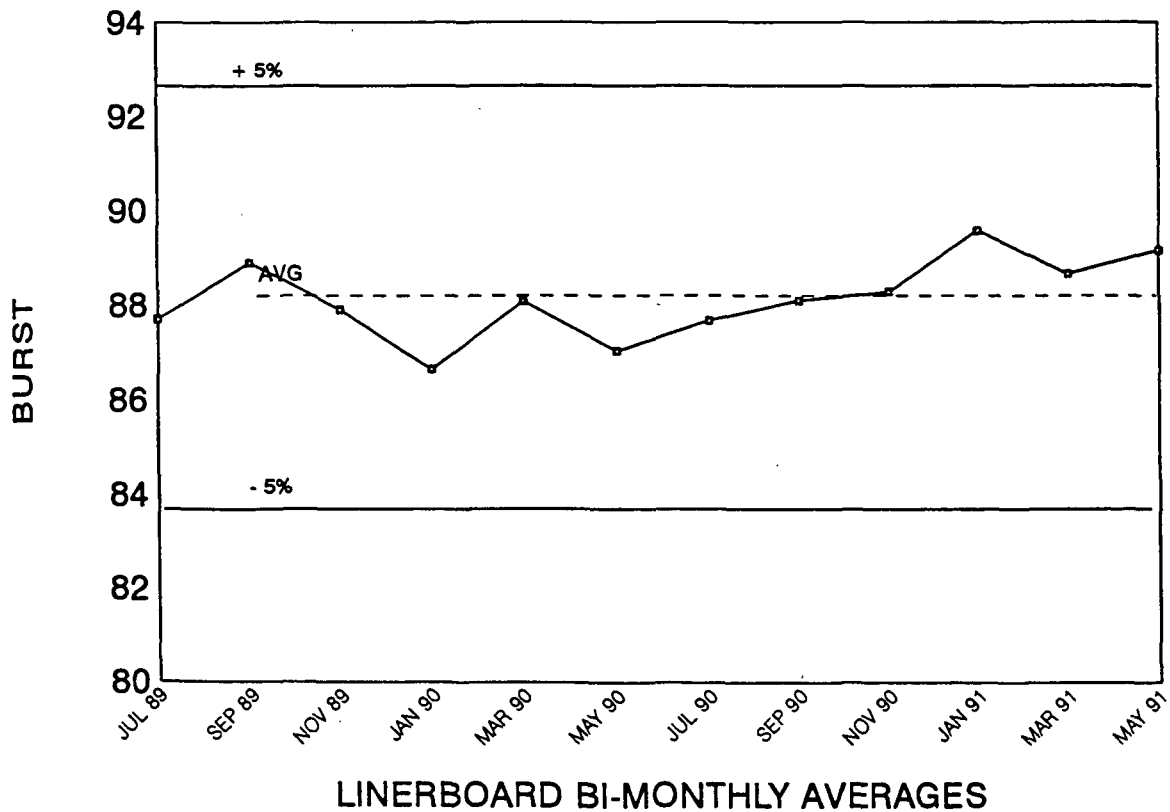


2 YEAR TREND PLOT FOR BURST

• 26 LB

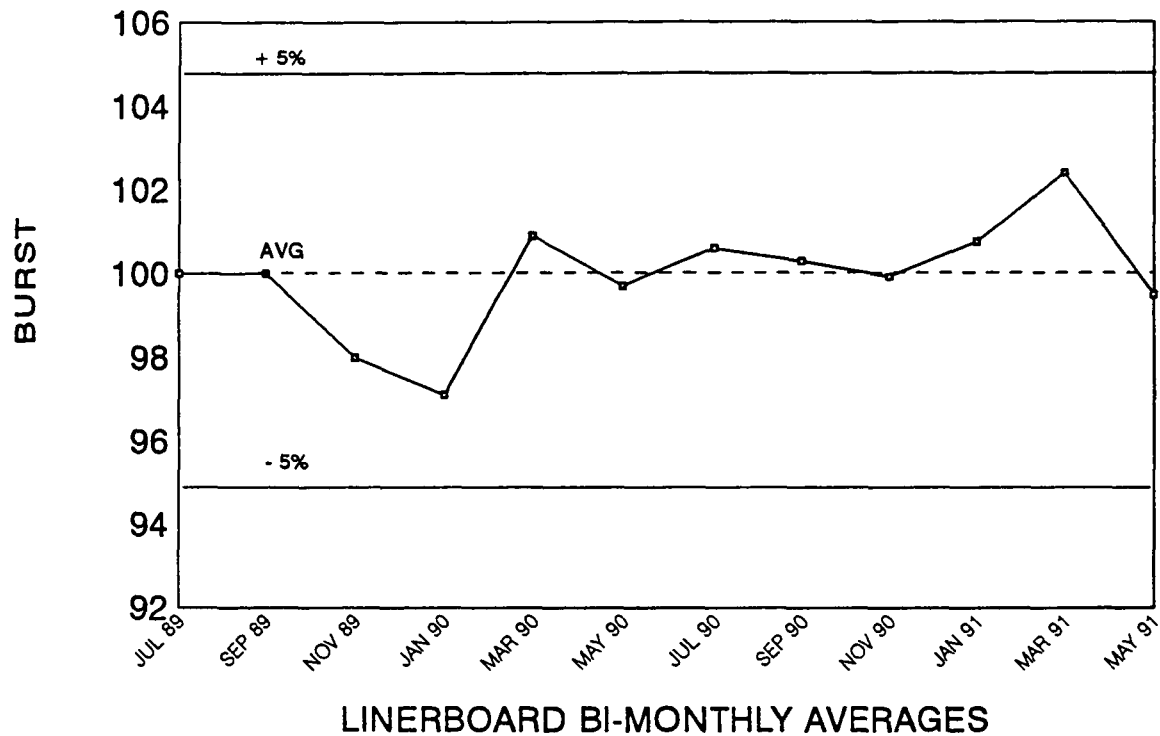


• 33 LB

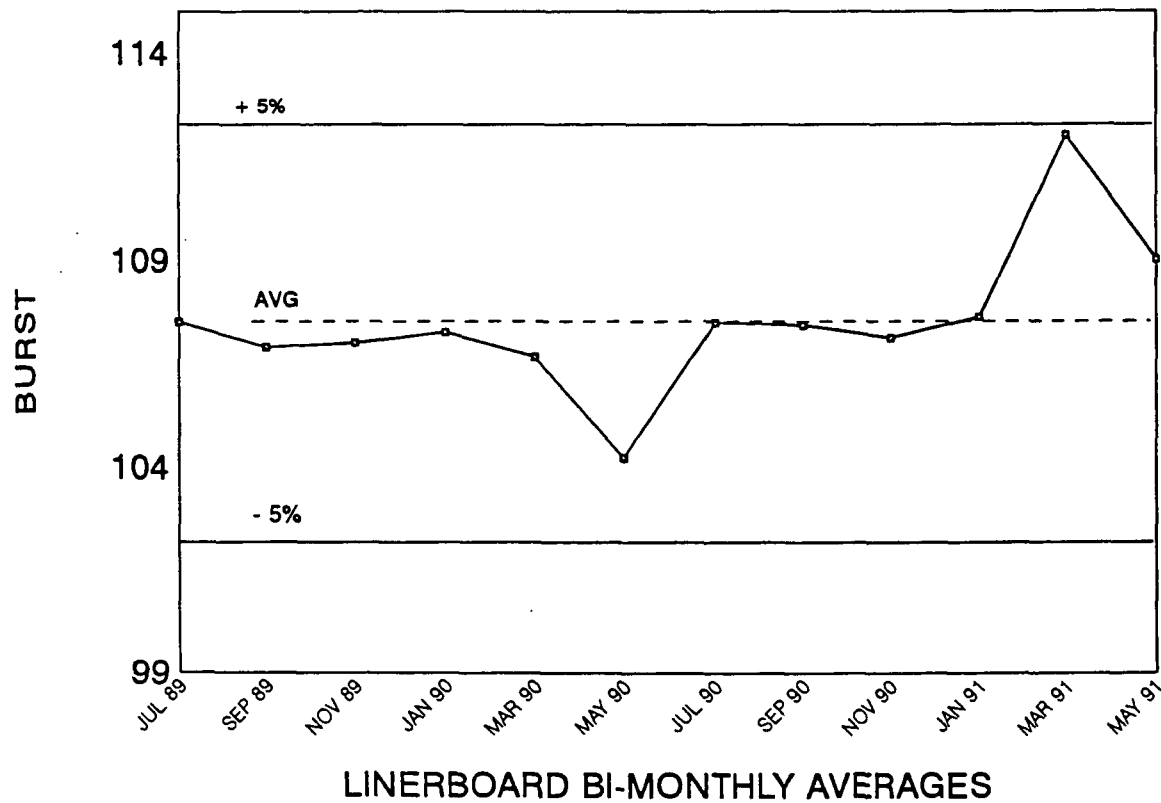


2 YEAR TREND PLOT FOR BURST

• 38 LB

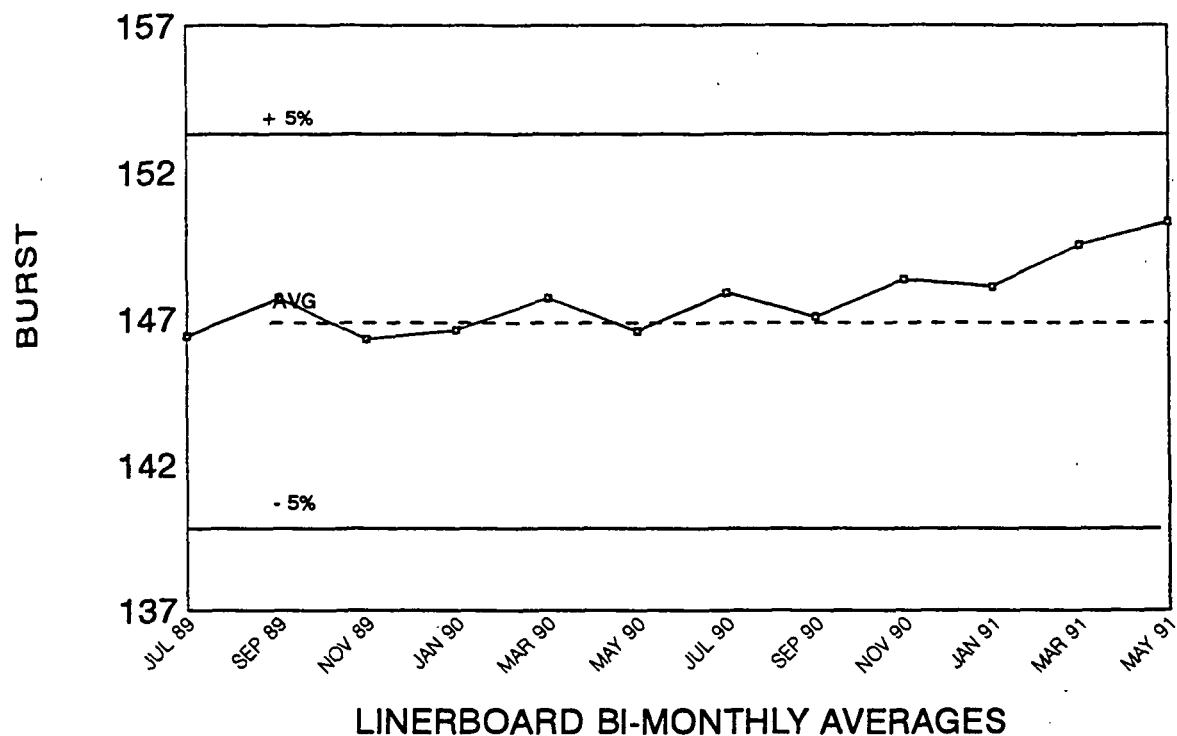


• 42 LB

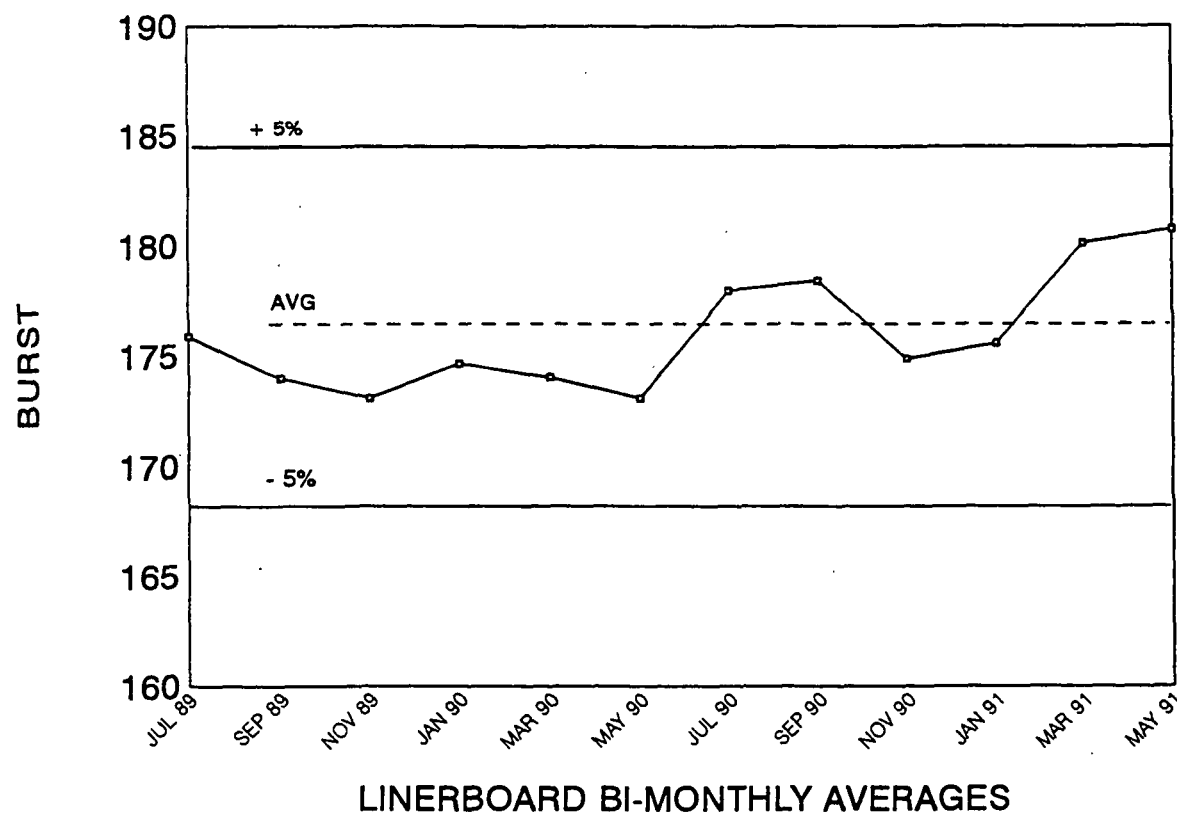


2 YEAR TREND PLOT FOR BURST

69 LB

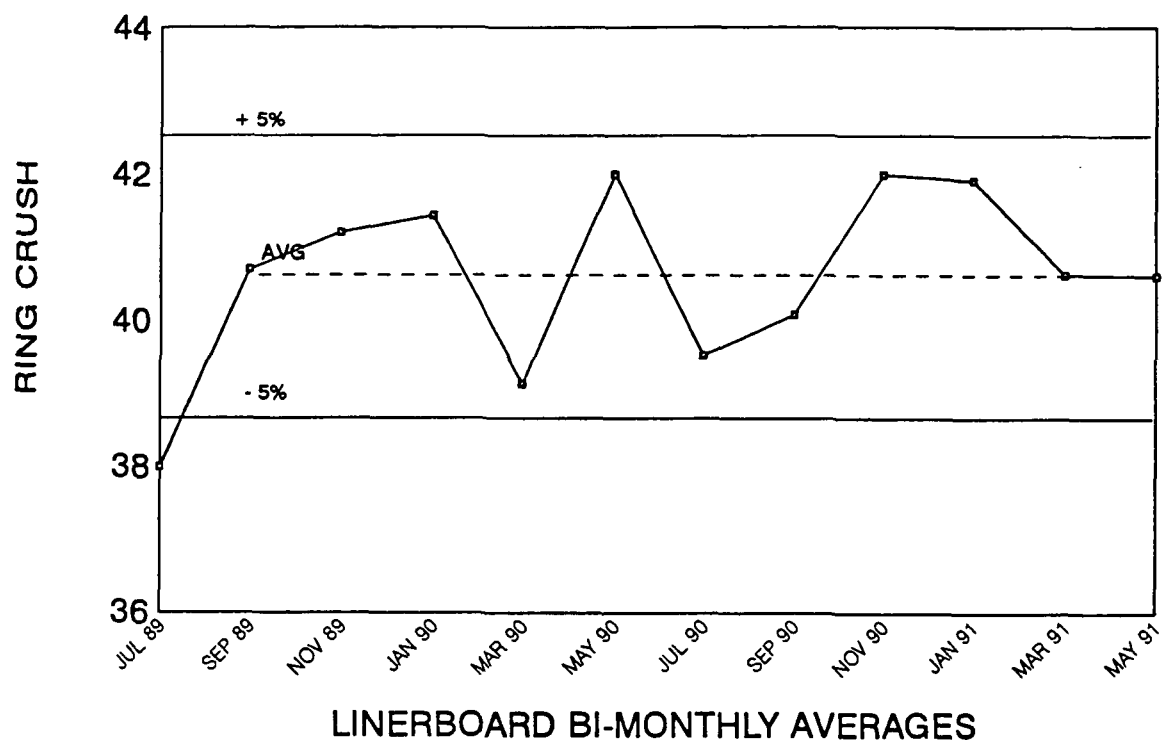


90 LB

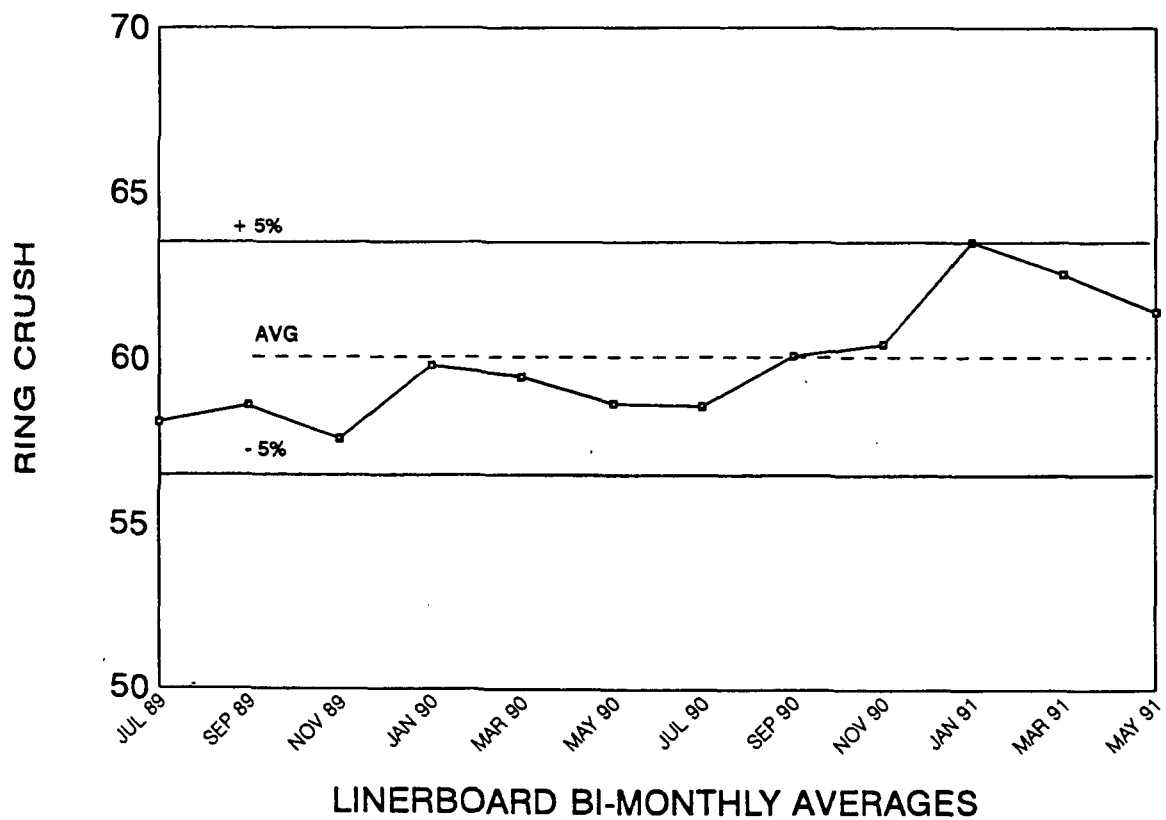


2 YEAR TREND PLOT FOR RING CRUSH

• 26 LB

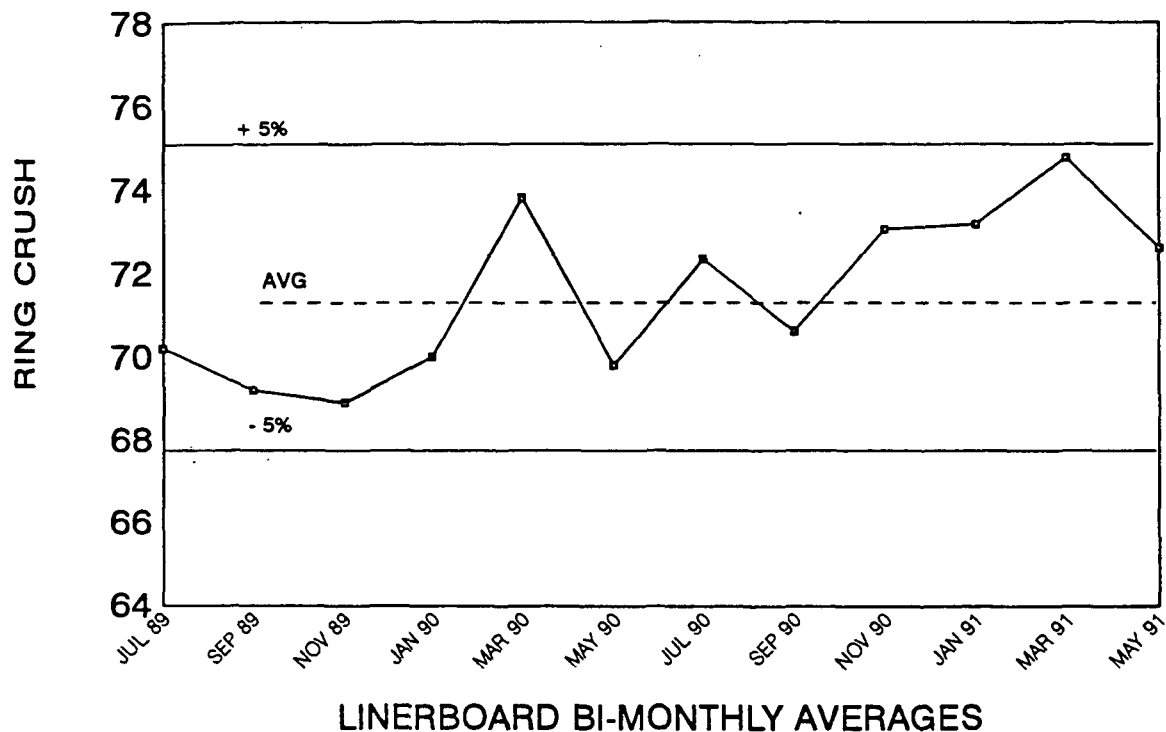


• 33 LB

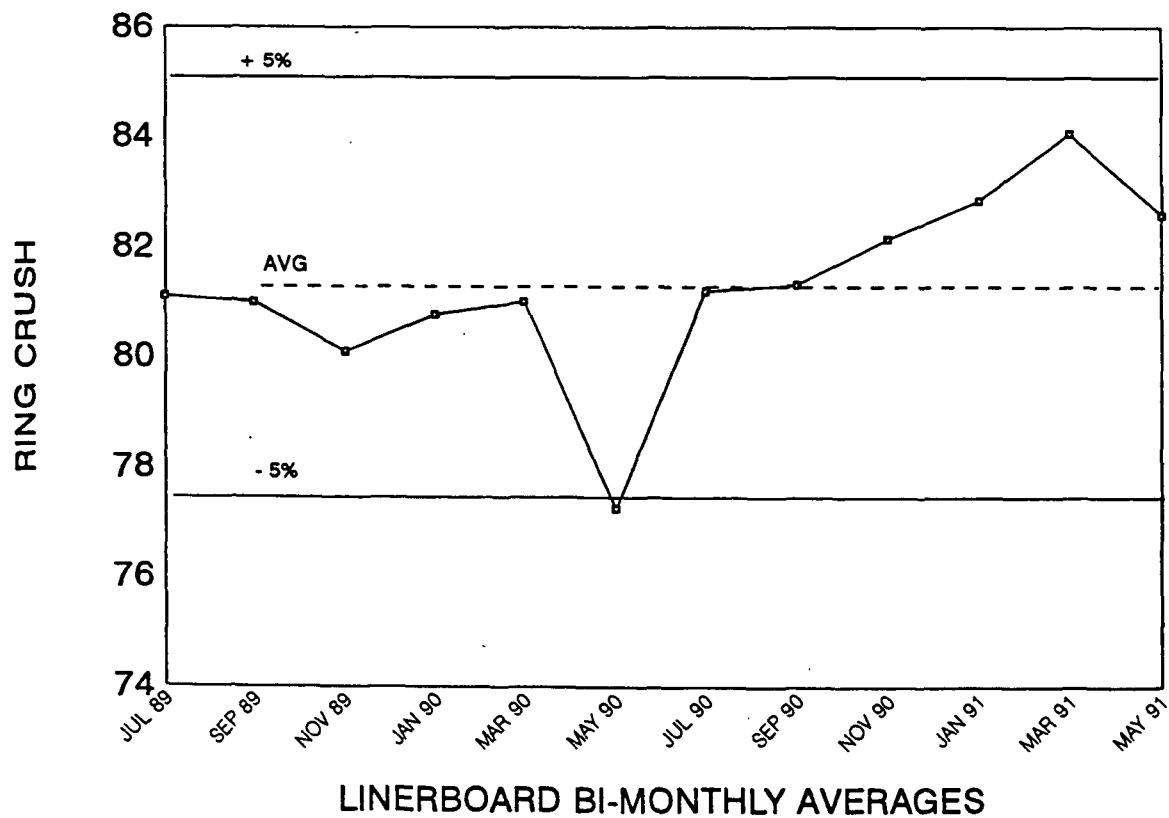


2 YEAR TREND PLOT FOR RING CRUSH

→ 38 LB

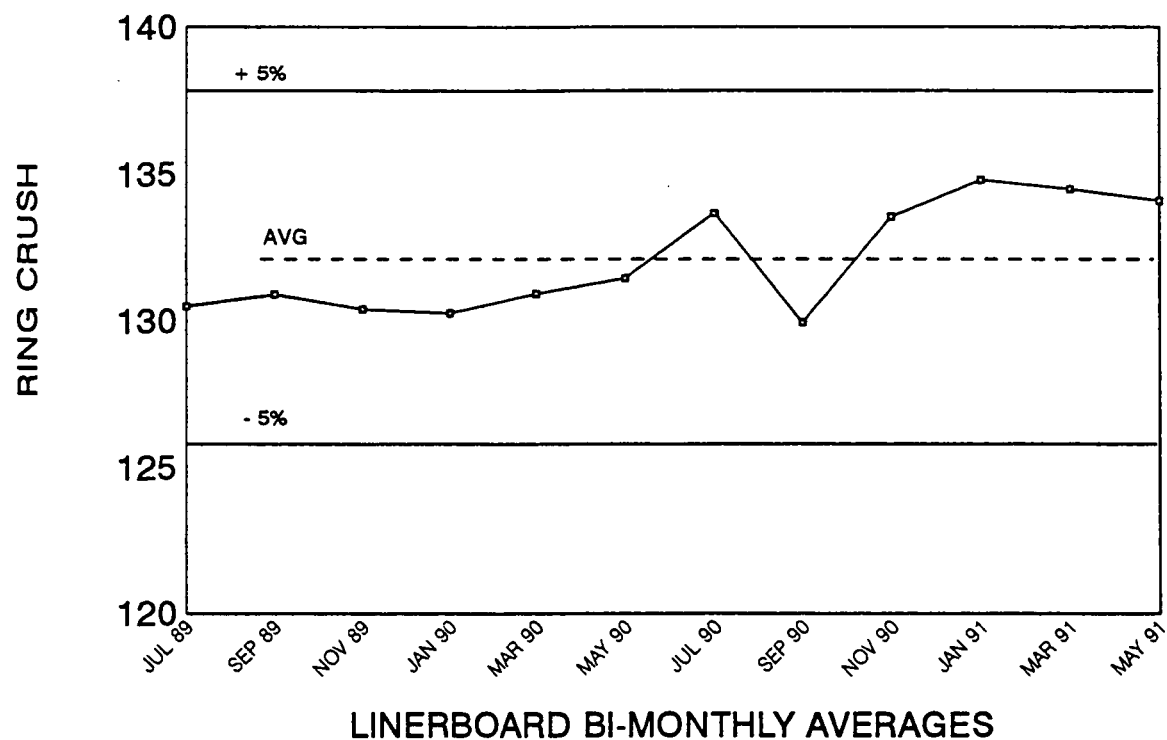


→ 42 LB

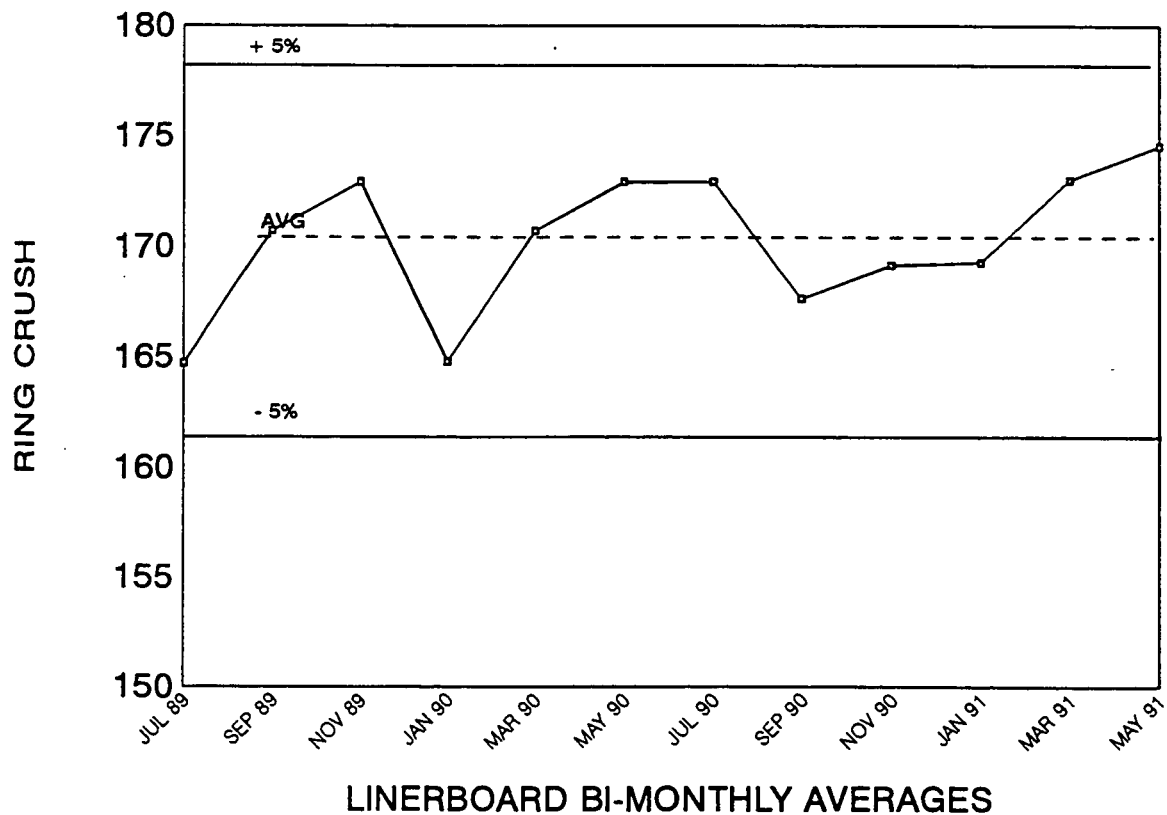


2 YEAR TREND PLOT FOR RING CRUSH

◆ 69 LB

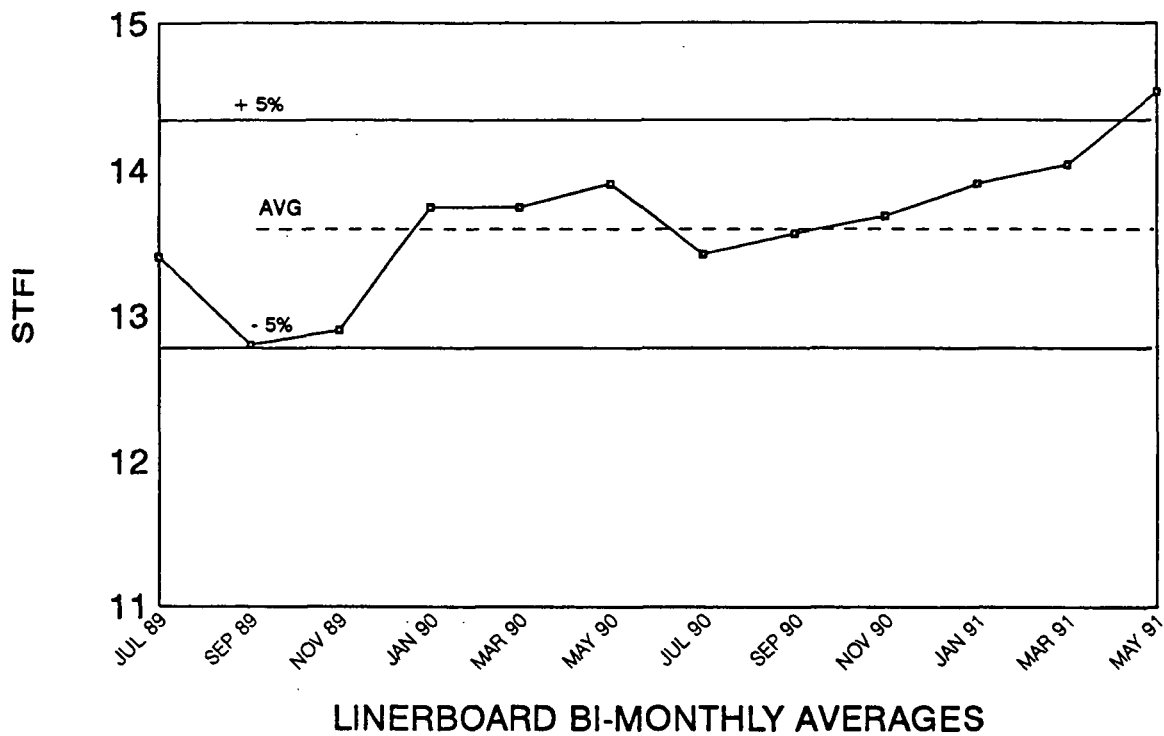


◆ 90 LB

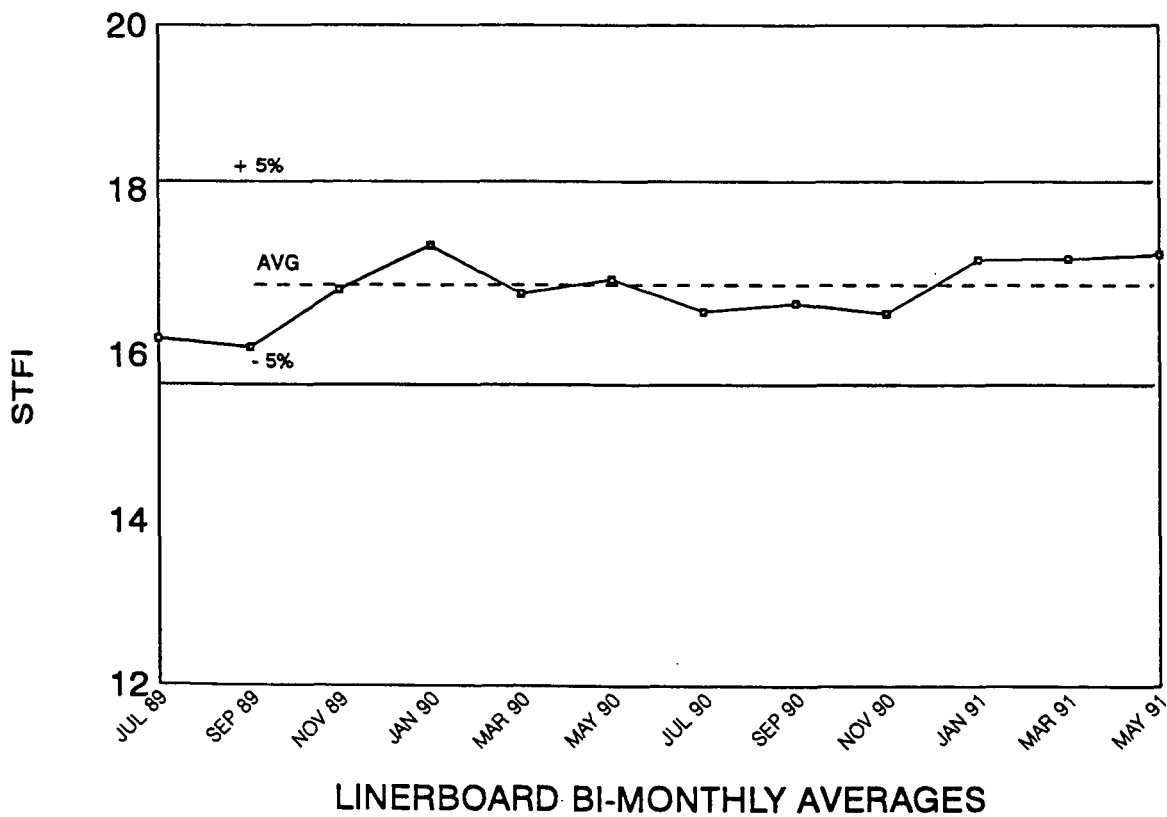


2 YEAR TREND PLOT FOR STFI

• 26 LB

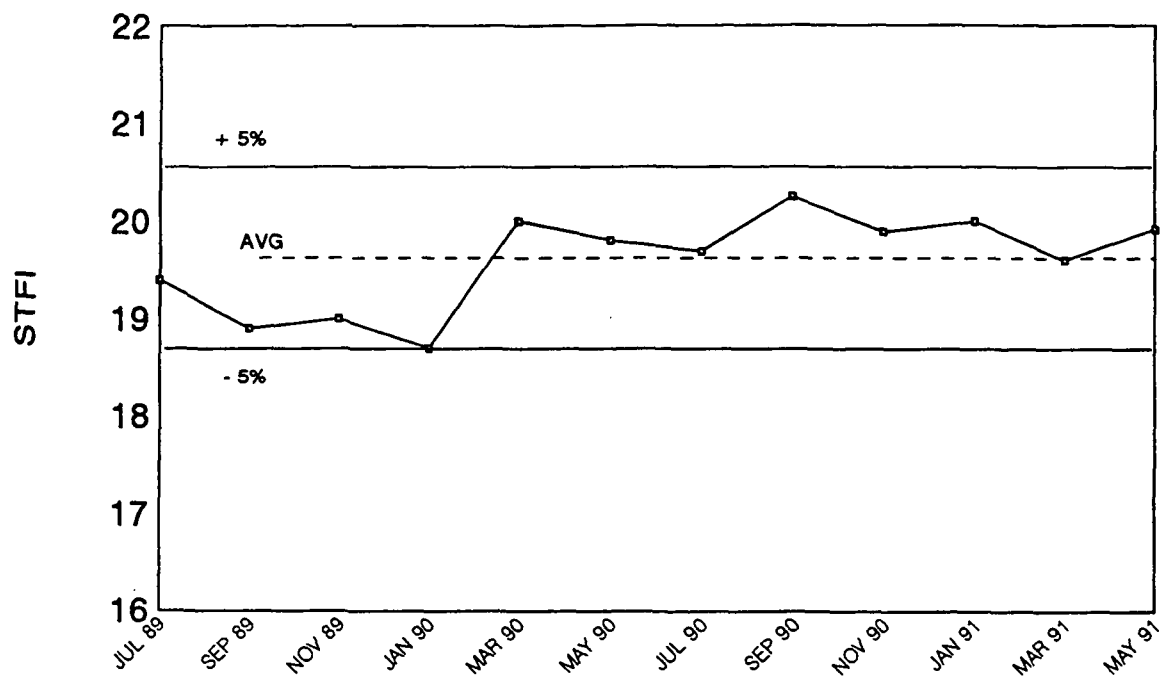


• 33 LB



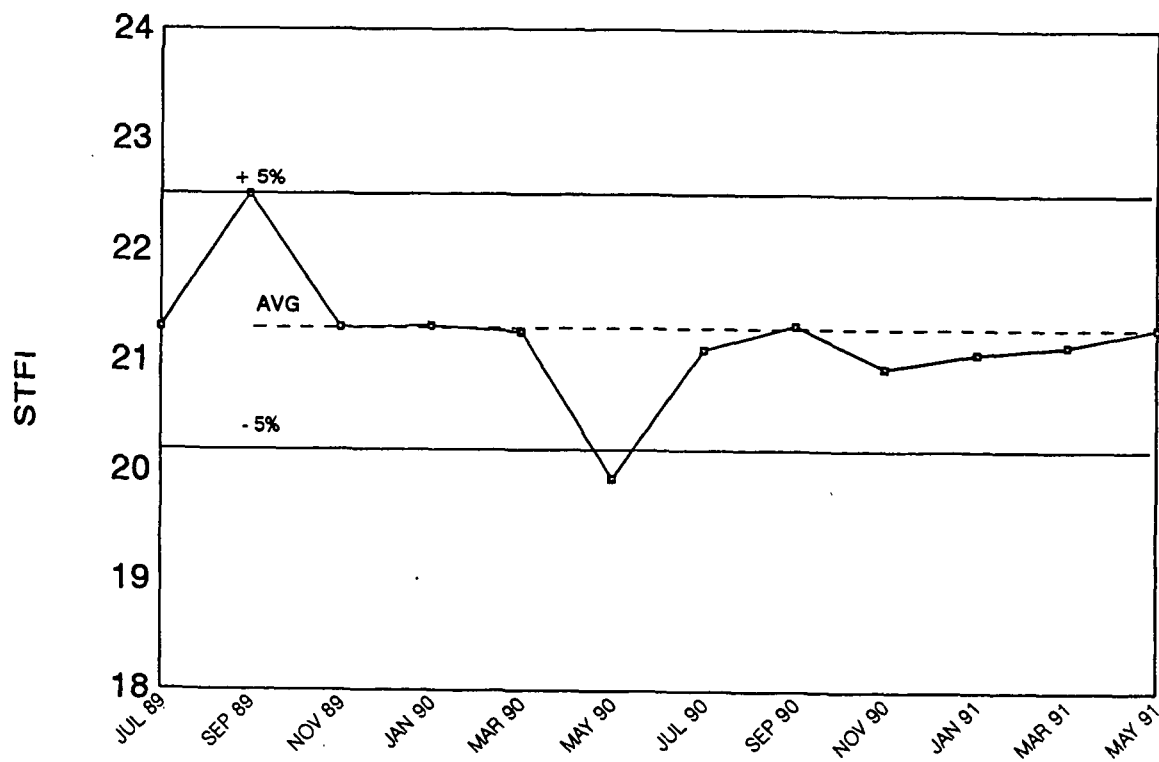
2 YEAR TREND PLOT FOR STFI

◆ 38 LB



LINERBOARD BI-MONTHLY AVERAGES

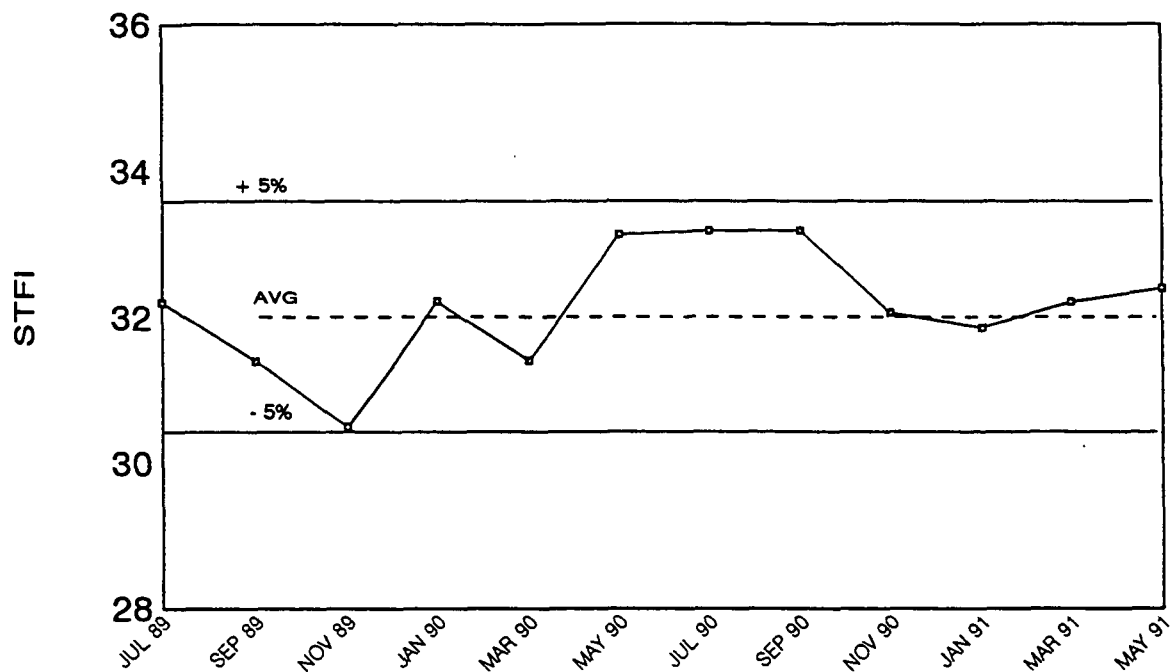
◆ 42 LB



LINERBOARD BI-MONTHLY AVERAGES

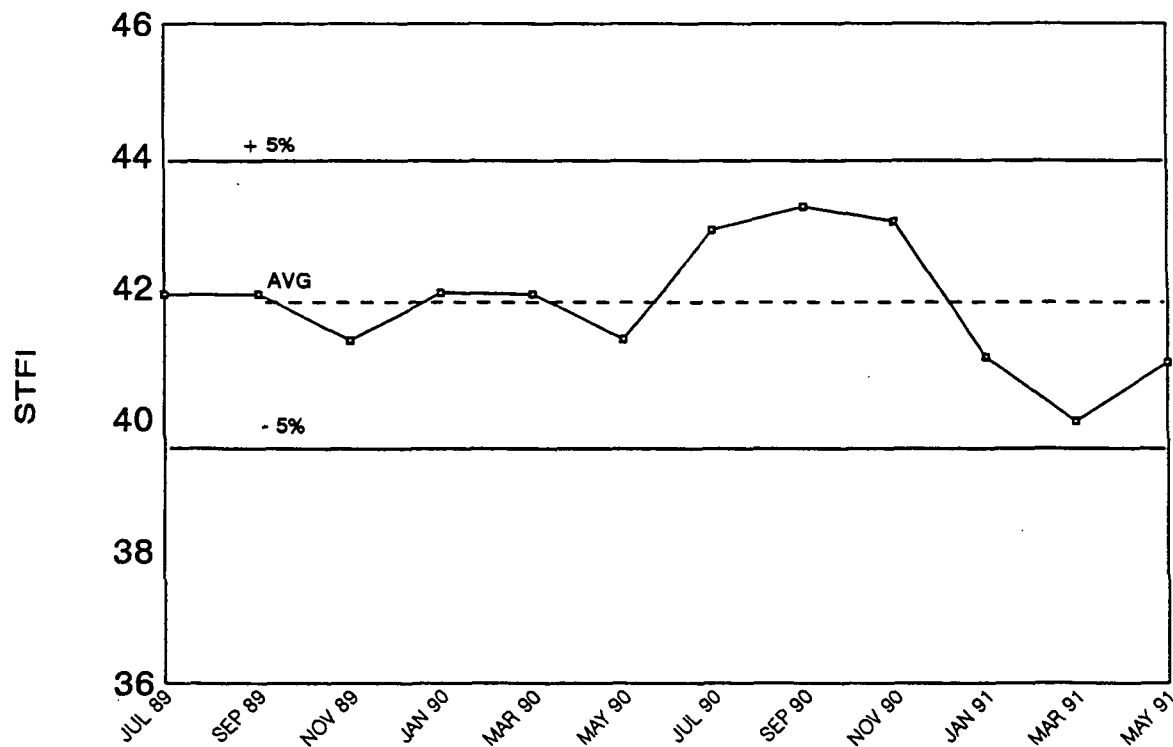
2 YEAR TREND PLOT FOR STFI

69 LB



LINERBOARD BI-MONTHLY AVERAGES

90 LB



LINERBOARD BI-MONTHLY AVERAGES

INTRODUCTION

The continuous base-line study (modified) is a compilation of bimonthly averages of mill test data obtained routinely on six major grade weights of linerboard manufactured in the member mills of C.K.P.G. Mill data are included for moisture content, basis weight, caliper, bursting strength, C.D. ring crush, and C.D. STFI tests made on the production of individual machines which produced at least 500 tons of one or more of the following six major grade weights during a given period: 26, 33, 38, 42, 69, and 90 lb.

Participating mills are asked to report reel moisture content, basis weight, and moisture content corresponding to the basis weight measurement. The latter two measurements are used to compute the adjusted basis weight corresponding to a moisture content of 7.8%. Only the reel moisture content and the adjusted basis weight are included in the report.

PRESENTATION OF DATA

For the six major grade weights of linerboard referred to earlier, data on conditioning and testing environments, mill test averages for moisture content, adjusted basis weight, caliper, bursting strength, C.D. ring crush, and C.D. STFI are compiled in the following tables.

Description

I-II-III	Mill Test Averages on 26-lb Linerboard
IV-V-VI	Mill Test Averages on 33-lb Linerboard
VII-VIII-IX	Mill Test Averages on 38-lb Linerboard
X-XI-XII	Mill Test Averages on 42-lb Linerboard
XIII-XIV-XV	Mill Test Averages on 69-lb Linerboard
XVI-XVII-XVIII	Mill Test Averages on 90-lb Linerboard

The procedure used in calculating cumulative machine averages, machine indexes, and C.K.P.G. indexes are described in the appendix.

Table I

Averages of Mill Quality Data for JAN-FEB, 1991
26 LB Kraft Linerboard

Code	Moisture Content			Adj. Basis Wt. *A			Caliper		
	Cur.	Cum.	Ind.	Cur.	Cum.	Ind.	Cur.	Cum.	Ind.
A1	5.5	5.6	100.4	25.8	25.7	98.1	6.6	6.7	88.3
A3	6.2	4.7	113.1	26.1	26.4	99.1	7.0	7.5	93.7
F4	4.9	4.7	89.4	26.2	26.6	99.7	7.1	7.2	95.0
E5	5.3	5.5	96.7	26.0	26.6	101.1	7.7	7.8	104.4
C2	5.5	5.6	100.4	26.1	26.0	98.8	7.7	7.6	103.1
C3	5.5	5.1		26.2	26.2	99.1	8.0	8.1	107.1
A4	4.8	5.1		26.3	26.2		7.4		
F5	6.3	4.8		26.1	26.3		7.1		
C4	6.9	6.3		26.0	26.1		6.6		
D4	6.9	6.9	125.9	26.1	26.0	99.1	7.9	7.9	105.7
E4	5.7	5.7		26.1	26.1		7.4		
B2	6.1	6.1		26.4	26.4		7.4		
D3	5.0	5.0	91.2	26.1	26.1	99.1	7.5	7.4	100.4
F1	4.6	4.6		26.3	26.3		8.0		
A2	5.0	5.0		27.7	26.3		7.8		
B5	5.9	5.9	107.7	26.4	26.4	100.2	7.2	7.3	96.2
C5	7.0	7.0		26.6	26.7		7.4	7.6	99.0
D2	7.0	7.0	127.7	26.1	26.2	99.1	8.4	8.4	112.4
B5	4.9	4.9		26.3	26.3		7.2		
CKPG	5.8	5.5	105.8	26.2	26.3	99.5	7.5	7.5	100.5

Notes A and B are given in the appendix.

Table 1 (Cont)

Averages of Mill Quality Data for JAN-FEB, 1991

26 LB Kraft Linerboard

Code	Burst			CD Ring Crush			CD STFI		
	Curr.	Cum.	Ind.	Curr.	Cum.	Ind.	Curr.	Cum.	Ind.
	PSIG	Lb./in.	*B	Lb.		*B			*B
A1	72.3	74.0	100.0	38.0	37.0	94.7	15.6	15.2	114.7
A3	71.3	76.9	98.6						
F4	71.0	68.3	98.2	48.0	45.8	119.6	16.0	15.8	117.6
E5	72.0	69.8	99.6	42.0	39.7	104.7			
C2	74.6	70.5	103.2	43.0	42.0	107.2			
C3	78.0	72.2	107.9						
A4	70.4			28.6			13.0		
F5	65.5			45.0					
C4	75.2						14.8		
D4	67.2		96.8				11.6	11.8	85.3
E4	76.0						12.3		
B2	71.3			34.4					
D3	74.7	102.4		36.0	34.7	89.7			
F1	69.6			46.6					
A2	78.5			49.3					
B5	69.9	96.7		40.4					
C5	77.0	77.7	106.5	46.0	49.0	114.6	12.4	12.9	91.2
D2	68.0	71.0	94.1						
B5	75.0			29.5					
CKPG	72.6	72.3	100.4	41.9	40.1	104.5	13.9	13.6	102.2

Note B is given in the appendix.

Table II

Averages of Mill Quality Data for MAR-APR, 1991 26 LB Kraft Linerboard

Code	Moisture Content				Adj. Basis Wt. *A				Caliper			
	Percent				Lb/M Sq. Ft.				Mils			
	Cur.	Cum.	Ind.	Av.	Cur.	Cum.	Ind.	Av.	Cur.	Cum.	Ind.	Av.
A1	5.4	5.6	98.7	25.8	25.8	97.8	6.7	6.7	89.9	7.3	7.4	98.0
A3	6.1	6.1	111.5	26.1	26.3	99.2	7.3	7.4	98.0	7.2	7.2	95.3
F4	4.9	4.7	89.5	27.3	26.6	103.8	8.0	7.6	107.4	7.6	7.6	107.4
E5	5.7	5.5	104.2	26.2	26.0	99.6	7.6	7.6	102.0	7.6	7.6	102.0
C2	5.6	5.6	102.3	26.1	26.2	99.1	8.0	8.1	107.4	7.4	7.2	95.3
A4	5.0	4.8		26.2	26.3		7.4	6.7		7.8	7.8	104.7
D4	7.3	6.9	133.4	26.0	26.0	98.7	7.8	7.8		7.4	7.4	98.0
E4		6.0		26.1	26.1		7.3	7.4		7.4	7.4	98.0
B2		6.1		26.4	26.4		7.3	7.4		7.3	7.3	97.2
D3	5.0	4.2	91.4	26.0	26.1	98.7	7.3	7.4		7.3	7.3	97.2
F1		4.6		26.2	26.2		7.2	7.5		7.2	7.2	97.2
A2		4.8		27.6	26.4	102.1	7.2	7.3		7.2	7.2	97.2
B5	5.9	5.9	107.1	26.9	26.5	100.6	7.2	7.4		7.2	7.2	97.2
C5	7.0	7.0	127.9	26.5	26.7	100.6	7.4	7.5		7.4	7.4	99.3
D2	4.9	4.9	89.5	26.1	26.2	99.1	7.9	8.4		7.9	8.4	112.8
B3		4.9		26.3	26.3	99.1	7.9	8.4		7.9	8.4	112.8
B5		4.7		26.6	26.3		7.9	8.4		7.9	8.4	112.8
C1	5.7		104.2	26.8	26.1	101.8	7.9	8.4		7.9	8.4	112.8
CKPG	5.8	5.5	105.4	26.3	26.3	99.9	7.6	7.4		7.6	7.4	101.9

Notes A and B are given in the appendix.

Averages of Mill Quality Data for MAR-APR, 1991

Code	Burst PSIG	CD Ring Crush	CD STFI	
	Av. Cum. Ind.	Av. Cum. Ind.	Av. Cum. Ind.	
A1	73.2	33.0	14.9	
A3	71.3	37.7	15.1	
A4	70.2	42.2		
A5	65.0	45.0		
B1	68.0	34.5		
B2	73.2			
B3	74.8	34.0		
B5	78.0	47.8		
C1	86.3	51.0		
C2	71.4	42.0		
C3	73.5	43.0		
C4	74.0			
C5	77.0	40.4		
D1	69.0	36.0		
D2	70.5	29.5		
D3	74.0	26.0		
D4	68.0	91.9		
D5	79.0	130.2		
E1	66.0	84.2		
E2	68.3	37.7		
E3	70.6	46.4		
E4	70.0	50.0		
F1	75.4	84.2		
F2	75.4	37.7		
F3	73.5	42.2		
F4	73.2	45.0		
F5	71.3	43.0		
F6	71.4	42.0		
F7	73.5	40.3		
F8	70.6	46.4		
F9	68.3	37.7		
F10	66.0	50.0		
F11	68.3	46.4		
F12	70.6	50.0		
F13	73.5	42.2		
F14	75.4	40.3		
F15	78.0	47.8		
F16	86.3	51.0		
F17	73.0	26.0		
F18	74.0	29.5		
F19	75.0	36.0		
F20	77.0	40.4		
F21	79.0	47.8		
F22	86.3	51.0		
F23	73.0	26.0		
F24	74.0	29.5		
F25	75.0	36.0		
F26	77.0	40.4		
F27	79.0	47.8		
F28	86.3	51.0		
F29	73.0	26.0		
F30	74.0	29.5		
F31	75.0	36.0		
F32	77.0	40.4		
F33	79.0	47.8		
F34	86.3	51.0		
F35	73.0	26.0		
F36	74.0	29.5		
F37	75.0	36.0		
F38	77.0	40.4		
F39	79.0	47.8		
F40	86.3	51.0		
F41	73.0	26.0		
F42	74.0	29.5		
F43	75.0	36.0		
F44	77.0	40.4		
F45	79.0	47.8		
F46	86.3	51.0		
F47	73.0	26.0		
F48	74.0	29.5		
F49	75.0	36.0		
F50	77.0	40.4		
F51	79.0	47.8		
F52	86.3	51.0		
F53	73.0	26.0		
F54	74.0	29.5		
F55	75.0	36.0		
F56	77.0	40.4		
F57	79.0	47.8		
F58	86.3	51.0		
F59	73.0	26.0		
F60	74.0	29.5		
F61	75.0	36.0		
F62	77.0	40.4		
F63	79.0	47.8		
F64	86.3	51.0		
F65	73.0	26.0		
F66	74.0	29.5		
F67	75.0	36.0		
F68	77.0	40.4		
F69	79.0	47.8		
F70	86.3	51.0		
F71	73.0	26.0		
F72	74.0	29.5		
F73	75.0	36.0		
F74	77.0	40.4		
F75	79.0	47.8		
F76	86.3	51.0		
F77	73.0	26.0		
F78	74.0	29.5		
F79	75.0	36.0		
F80	77.0	40.4		
F81	79.0	47.8		

Table III

Averages of Mill Quality Data for MAY-JUN, 1991 26 LB Kraft Linerboard

Code	Moisture Content			Adj. Basis Wt. *A			Caliper		
	Cur.	Cum.	Ind.	Cur.	Cum.	Ind.	Cur.	Cum.	Ind.
	Percent			Lb/M	Sq. Ft.		Mils		
A1	5.5	5.5	101.4	25.8	25.8	96.7	6.7	6.7	89.4
A3	6.3	6.1	116.2	26.0	26.3	97.4	7.0	7.3	93.4
F4	4.8	4.8	88.5	26.1	26.3	97.8	7.0	7.2	93.4
E5	5.4	5.5	99.6	25.9	26.1	97.1	7.6	7.7	106.8
C2	5.6	5.6	103.3	26.2	26.2	98.0	8.3	8.1	110.8
A4	5.0	4.9	26.2	26.2	26.4	7.4	7.4		
F5	6.2	6.2	26.1	26.1	26.4	7.2	6.7		
C4	7.0	6.9	127.2	25.9	26.0	96.9	7.5	7.8	100.1
D4									
E4	6.0			26.4			7.4		
B2	3.4	5.0	92.2	26.1	26.2	98.0	7.4		98.8
D3	4.6			26.2			8.0		
F1	4.8			27.6			7.5		
A2	5.9	5.8	107.7	26.5	26.5	100.3	7.1	7.3	94.2
B5	7.0	7.1	130.9	26.7	26.7	99.3	7.4	7.5	98.8
D2	4.9	5.0	92.2	26.1	26.2	97.7	8.5	8.4	113.4
B3	5.7	5.0		26.3	26.3	97.7	7.5	7.6	100.1
B5	4.7			26.6			7.3		
C1	6.0	6.0	110.6	26.8	26.8	100.4	7.5	7.9	100.1
E2	5.1		94.0	25.9		97.1	7.2		96.1
CKPG	5.7	5.4	105.3	26.2	26.7	98.1	7.5	7.5	99.8

Notes A and B are given in the appendix.

Table III (Cont)

Averages of Mill Quality Data for MAY-JUN, 1991

26 LB Kraft Linerboard

Code	Burst PSIG			CD Ring Crush Lb.			CD STFI Lb/In.		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A1	80.4	74.6	110.3				15.3	15.0	113.3
A3	74.7	74.3	102.5						
F4	69.0	67.8	94.7	39.0	36.5	97.8			
E5	77.0	70.8	105.6	48.0	47.4	120.4	15.0	16.0	111.1
C2	69.6	71.5	95.5	42.0	40.6	105.4			
C3	72.0	73.7	98.8	45.0	42.5	112.9			
A4		69.9			28.5			13.1	
F5		65.5			45.0				
C4		73.3						14.5	
D4	72.0	68.0	98.8				14.2	12.0	105.2
E4									
B2		73.0			31.9				
D3	75.0	75.0	102.9	32.0	34.8	80.3			
F1		68.0			46.0				
A2		78.0			47.8				
B5	72.8	70.5	99.9	43.1	41.5	108.2			
C5	79.0	77.2	108.4	32.0	46.3	80.3			
D2	69.0	70.0	94.7				13.6	12.7	100.7
B3	72.0	77.5	98.8	37.0	32.0	92.8		13.1	
B5		73.0			26.0			11.6	
C1	89.9	86.3	123.3	49.0	51.0	122.9			
E2	71.0		97.4	39.0		97.8			
CKPG	74.5	72.9	102.2	40.6	39.9	101.9	14.5	13.5	107.6

Note B is given in the appendix.

Table IV

Averages of Mill Quality Data for JAN—FEB, 1991

33 LB Kraft Linerboard

Code	Moisture Content Percent			Adj. Basis Wt. *A Lb/M Sq. Ft.			Caliper Mils		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A1	6.0	6.0	105.7	32.7	32.7	98.1	8.1	8.5	85.5
A2	6.0	6.1	105.7	33.8	33.9	101.5	9.3	9.4	98.2
A3					33.0			9.6	
B1	6.1	5.1	107.5	33.5	33.5	100.5	9.4	9.5	99.3
B4	5.5	5.1	96.9	33.4	33.3	100.2	9.1	9.3	96.1
B5	5.4	5.5	95.2	33.0	32.8	98.9	9.9	9.8	104.5
C1	5.8	5.7	102.2	32.9	33.2	98.7	10.0	10.0	105.6
C4		5.3			33.2			8.8	
D2		5.3			33.2			8.9	
E5	6.2	6.3	109.3	33.2	33.1	99.6	8.8	8.6	92.9
F1	6.8	6.3	119.8	33.1	33.1	99.3	10.3	10.0	108.8
F2	6.4	6.1	112.8	33.1	33.2	99.3	9.0	9.3	95.0
G5	4.2	4.2	74.0	33.0	32.9	99.1	10.7	10.8	113.0
H1		6.0			33.7			9.7	
H5		5.0			33.1			9.4	
I3		5.0			33.3			9.7	
J3		6.0			33.5			9.7	
J4		6.0			33.5			9.0	
K3		6.3		33.7	33.8	101.1	9.4	9.6	99.3
K4	7.0	7.0	123.4	33.1	33.1	99.3	9.2	9.1	97.1
J2	4.9	5.0	86.4	33.1	33.2	99.3	9.5	9.8	100.3
F5		5.5			33.5			9.5	
G3	6.7	6.7	118.1	33.1	33.4	99.4	9.9	9.9	104.5
K1	6.5	4.8	114.6	33.3	33.9	99.9	9.4	10.2	99.3
L1	6.2	6.4	108.7	33.3	33.3	99.7	9.1	9.4	95.6
C5		6.3			33.3			9.1	
E3		5.4		33.8	33.4	101.4	9.7	9.3	102.4
C3	5.0	5.3	88.1	32.6	33.9	97.7	9.4	9.9	99.3
A4		5.0	0.0	34.5	32.8	103.5	8.3	9.4	87.6
K5	7.0		123.4	33.1	34.5	99.4	8.7	9.1	91.9
D5	5.7		100.5	33.6		100.8	9.4		99.3
CKPG	6.0	5.7	105.1	33.3	33.3	99.8	9.4	9.5	98.8

Notes A and B are given in the appendix.

Table IV (Cont)

Averages of Mill Quality Data for JAN-FEB, 1991

33 LB Kraft Linerboard

Code	Burst PSIG			CD Ring Crush Lb.			CD STFI Lb/In.		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A1	85.9	89.6	97.5				18.3	17.7	108.7
A2	100.6	102.4	114.2	76.0	73.9	129.3			
A3		94.8							
B1	87.0	85.2	98.8	53.0	52.0	90.1			
B4	89.0	88.4	101.1	69.0	66.6	117.4	19.0	19.0	112.9
B5	105.4	92.8	119.7	68.0	63.7	115.7			
C1	88.0	85.2	99.9	65.0	61.0	110.6			
C4		85.0			48.6			16.5	
D2		78.5			69.3				
E5	93.0	91.2	105.6				16.0	17.6	95.1
F1	86.0	87.0	97.6				13.9	14.6	82.6
F2	94.0	91.2	106.7				16.9	16.5	100.4
G5	80.0	89.3	90.8						
H1		95.2			47.6				
H5		91.0			47.0				
I3		79.2			63.8				
J3		86.8			66.9				
J4		84.4			67.3				
K3	91.0	92.3	103.3	66.0	65.5	112.3			
K4	83.0	81.3	94.2				17.2	17.0	102.2
J2	86.0	84.3	97.6	48.0	45.3	81.6			
F5		85.5			58.9				
G3	87.3	86.7	99.1				17.5	17.4	104.0
K1	85.0	86.0	96.5	66.0	57.0	112.3			
L1	82.4	86.3	93.5				16.6		98.6
C5		86.0						15.2	
E3	88.0	87.8	99.9	58.0	46.1	98.6			
C3	98.1	80.7	111.4	63.0	56.8	107.2			
A4	85.2	96.9	96.7		60.0				
K5	82.0	91.2	93.1				17.4		103.4
D5	104.3		118.4	66.8		113.6	18.8		111.7
CKPG	89.6	88.1	101.7	63.5	58.8	108.1	17.2	16.8	101.9

Note B is given in the appendix.

Table V

Averages of Mill Quality Data for MAR-APR, 1991

33 LB Kraft Linerboard

Code	Moisture Content Percent			Adj. Basis Wt. *A Lb/M Sq. Ft.			Caliper Mils		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A1	6.0	6.0	102.9	32.7	32.7	98.2	8.2	8.4	86.9
A2	6.2	6.0	106.4	33.7	34.0	101.1	9.8	9.4	103.9
A3					33.0			9.8	
B1	5.9	6.0	101.2	33.6	33.6	100.8	9.4	9.5	99.6
B4	5.0	5.2	85.8	33.3	33.4	99.9	9.0	9.2	95.4
B5		5.5			32.9			9.8	
C1	5.8	5.7	99.5	33.0	33.1	99.1	10.0	10.0	106.0
C4		5.3			33.2			8.8	
D2		5.2			33.3			9.0	
E5	6.2	6.3	106.4	32.8	33.1	98.5	7.9	8.6	83.7
F1	6.7	6.4	115.0	33.1	33.1	99.4	9.9	10.1	104.9
F2		6.2			33.2			9.2	
G5	4.2	4.2	72.1	33.0	32.9	99.2	10.7	10.8	113.4
H1		6.1			33.3			9.7	
H5	5.0	5.0	85.8	33.0	33.1	99.1	9.5	9.4	100.7
I3		5.0			33.3			9.7	
J3		6.0			33.5			9.7	
J4		6.0			33.6			9.0	
K3		6.2		33.9	33.8	101.6	9.5	9.5	100.7
K4	7.2	7.0	123.5	33.1	33.1	99.4	9.2	9.1	97.5
H3	4.9	4.9	84.1	33.1	33.2	99.4	9.4	9.7	99.6
F5		5.6		33.0	33.4	99.1	10.0	9.6	106.0
G3	6.6	6.7	113.2	33.3	33.4	100.0	9.9	9.9	104.9
K1	6.4	6.5	109.8	33.3	33.3	100.0	9.2	9.4	97.5
L1	6.1	6.4	104.1	33.3	33.3	99.8	9.1	9.3	96.2
C5		6.2			33.3			9.1	
E3		5.4		33.8	33.5	101.4	9.7	9.4	102.3
C3	5.4	5.3	92.7	32.7	33.7	98.1	9.3	9.8	98.6
A4				34.6	33.2	103.8	8.7	9.1	92.2
K5	6.9	7.0	118.4	33.1	34.2	99.4	8.9	9.0	94.3
D5	6.2	5.7	106.4	33.7	33.6	101.1	9.8	9.4	103.9
CKPG	5.9	5.8	101.6	33.3	33.3	99.9	9.4	9.4	99.4

Notes A and B are given in the appendix.

Table V (Cont)

Averages of Mill Quality Data for MAR-APR, 1991

33 LB Kraft Linerboard

Code	Burst PSIG			CD Ring Crush Lb.			CD STFI Lb/In.		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A1	89.7	88.9	101.2				17.8	17.7	104.8
A2	102.4	101.9	115.5	81.0	73.7	135.2			
A3		92.3							
B1	86.0	85.3	97.0	55.0	52.3	91.8			
B4	89.0	88.6	100.4	70.0	67.4	116.8	19.0	19.0	111.9
B5		96.0			64.8				
C1	85.0	86.3	95.9	64.0	61.8	106.8			
C4		85.0			47.4			16.4	
D2		78.7			69.3				
E5	100.0	90.7	112.8				16.4	17.2	96.6
F1	85.0	86.8	95.9				15.4	14.4	90.7
F2		92.8						16.9	
G5	83.0	87.8	93.6						
H1		96.3			47.0				
H5	90.0	91.0	101.5	46.0	47.0	76.8			
I3		78.8			65.0				
J3		86.8			67.1				
J4		85.0			67.5				
K3	90.0	92.0	101.5	65.0	65.2	108.5			
K4	80.0	81.5	90.2				17.2	17.1	101.3
H3	87.0	84.5	98.1	49.0	46.0	81.8			
F5	82.5	85.5	93.1	54.0	59.2	90.1			
G3	85.5	86.7	96.4				17.2	17.2	101.3
K1	82.0	85.0	92.5	67.0	66.0	111.8			
L1	85.8	86.2	96.7				17.2	16.6	101.5
C5		84.6						15.2	
E3	87.0	88.0	98.1	58.0	47.2	96.8			
C3	94.8	87.7	106.9	61.0	57.8	101.8			
A4	93.9	94.0	105.9						
K5	81.0	89.8	91.4				17.1	17.4	100.7
D5	102.4	104.3	115.5	81.0	66.8	135.2		18.8	
CKPG	88.7	88.7	100.0	62.6	59.9	104.4	17.2	17.0	101.1

Note B is given in the appendix.

Table VI

Averages of Mill Quality Data for MAY-JUN, 1991

33 LB Kraft Linerboard

Code	Moisture Content Percent			Adj. Basis Wt. *A Lb/M Sq. Ft.			Caliper Mils		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A1	6.0	6.0	104.8	32.7	32.7	98.3	8.5	8.4	90.1
A2	6.4	6.0	111.7	33.6	34.0	100.9	9.4	9.4	99.7
A3					33.0			9.9	
B1	6.0	6.0	104.8	33.4	33.6	100.4	9.6	9.5	101.8
B4	5.0	5.2	87.3	33.2	33.4	99.6	9.1	9.1	96.5
B5		5.5			32.9			9.8	
C1	5.8	5.8	101.3	32.9	33.1	98.8	10.1	10.0	107.1
C4		5.2			33.2			8.7	
D2		5.3			33.3			9.0	
E5		6.3			33.1			8.6	
F1	6.8	6.5	118.7	33.1	33.1	99.4	9.6	10.0	101.8
F2		6.3			33.2			9.2	
G5	4.3	4.2	75.1	33.1	32.9	99.4	10.3	10.8	109.2
H1		6.0			33.3			9.8	
H5	5.0	2.6	87.3	33.0	33.0	99.1	9.4	9.5	99.7
I3		5.0			33.2			9.6	
J3		5.9			33.5			9.7	
J4		6.0			33.6			9.0	
K3				33.9	33.8	101.7	9.4	9.5	99.7
K4	6.9	7.1	120.5	33.1	33.1	99.4	9.4	9.1	99.7
H3	5.0	4.9	87.3	33.1	33.2	99.4	9.5	9.7	100.7
F5	5.5	5.6	96.0	33.8	33.3	101.5	9.7	9.8	102.8
G3	6.6	6.7	115.2	33.2	33.3	99.7	9.9	9.9	105.0
K1	6.3	6.5	110.0	33.2	33.3	99.7	9.2	9.3	97.5
L1	6.3	6.3	110.0	33.2	33.3	99.7	9.2	9.3	97.5
C5		6.1			33.3			9.1	
E3		5.4		33.9	33.5	101.7	9.0	9.5	95.4
C3	5.4	5.3	94.3	32.9	33.5	98.7	9.2	9.7	97.5
A4				34.4	33.5	103.3	8.7	9.0	92.2
K5	7.1	7.0	124.0	33.2	34.0	99.5	8.9	9.1	94.4
D5	6.4	6.0	111.7	33.6	33.6	100.9	9.4	9.6	99.7
CKPG	5.9	5.7	103.5	33.3	33.3	100.1	9.4	9.4	99.4

Notes A and B are given in the appendix.

Table VI (Cont)

Averages of Mill Quality Data for MAY-JUN, 1991

33 LB Kraft Linerboard

Code	Burst PSIG			CD Ring Crush Lb.			CD STFI Lb/in.		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A1	89.8	89.3	101.5				17.4	17.6	102.3
A2	107.3	102.4	121.3	75.0	75.4	124.5			
A3		91.5							
B1	84.0	85.2	95.0	57.0	53.0	94.6			
B4	89.0	89.6	100.6	67.0	68.4	111.2	19.0	19.2	111.7
B5		96.0			64.8				
C1	84.0	86.2	95.0	62.0	62.5	102.9			
C4		84.7			48.2			16.3	
D2		79.0			68.0				
E5		92.3						16.9	
F1	89.0	86.0	100.6				16.9	14.7	99.4
F2		92.3						17.0	
G5	87.0	87.0	98.4						
H1		96.4			47.2				
H5	88.0	92.7	99.5	50.0	44.3	83.0			
I3		78.3			64.7				
J3		86.6			66.2				
J4		85.0			67.3				
K3	94.0	91.2	106.3	66.0	65.0	109.5			
K4	80.0	81.0	90.5				17.1	17.0	100.6
H3	88.0	85.0	99.5	50.0	46.5	83.0			
F5	81.0	83.0	91.6	48.0	54.5	79.7			
G3	85.6	86.1	96.8				16.4	17.1	96.4
K1	81.0	83.5	91.6	66.0	66.5	109.5			
L1	86.2	86.0	97.5				16.8	16.9	98.6
C5		83.4						15.2	
E3	90.0	87.3	101.8	61.0	49.5	101.2			
C3	96.5	89.2	109.1	60.0	59.0	99.6			
A4	92.4	93.9	104.5						
K5	83.0	88.5	93.8				17.0	17.3	100.0
D5	107.3	103.4	121.3	75.0	73.9	124.5		18.8	
CKPG	89.2	88.4	100.8	61.4	60.3	101.9	17.2	17.0	101.3

Note B is given in the appendix.

Table VII

Averages of Mill Quality Data for JAN—FEB, 1991

38 LB Kraft Linerboard

Code	Moisture Content Percent			Adj. Basis Wt. *A Lb/M Sq. Ft.			Caliper Mils		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A2	6.3	6.4	107.2	38.7	39.0	105.4	10.6	10.6	103.2
B4	5.9	5.7	100.3	38.2	38.4	103.9	10.1	10.4	98.3
C1		5.7			38.2			11.4	
D2		5.9			38.3			10.1	
J3		6.2			38.5			11.5	
J2	5.9	5.9	100.3	38.0	38.1	103.5	10.7	11.1	104.1
F5	5.9	5.6	99.5	40.5	39.7	110.2		11.2	
B3	5.7	5.6	96.9	38.6	38.4	105.1	10.7	11.3	104.1
L1	6.3	6.2	107.7	38.1	38.2	103.8	10.6	10.6	103.0
C5		5.5			38.4			10.4	
E3	5.5	5.6	93.5	38.9	38.9	106.0	10.9	11.3	106.1
A4		5.8		38.0	38.0	103.4	9.4	10.4	91.5
J5	5.8	5.8	98.8	39.1	39.1	106.6	10.9	10.7	105.7
G2	5.9	5.9	100.3	38.2	38.1	104.0	10.6	10.4	103.2
K2	5.5	5.6	93.5	39.3	39.3	106.9	10.4	11.1	101.2
F4	5.7	5.8	96.9	38.5	38.4	104.7	11.6	11.1	112.9
G4	5.7	5.9	96.9	38.8	38.2	105.7	10.0	11.0	97.3
D5	6.3	6.2	107.2	37.7	37.7	102.7	10.5	10.3	101.7
I1		6.0			37.6			10.4	
D4		6.5			38.3			10.5	
J2		5.9			39.3			10.4	
E1		5.7			38.2			10.0	
CKPG	5.9	5.9	99.9	38.6	36.7	105.1	10.5	10.3	102.5

Notes A and B are given in the appendix.

Table VII (Cont)

Averages of Mill Quality Data for JAN—FEB, 1991

38 LB Kraft Linerboard

Code	Burst PSIG			CD Ring Crush Lb.			CD STFI Lb/In.		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A2	107.7	113.0	109.4	86.0	80.2	119.0			
B4	99.0	98.0	100.6	81.0	79.2	112.1	21.0	21.2	107.5
C1		97.6			75.0				
D2		92.0			89.8				
J3		94.6			77.5				
J2	96.0	93.3	97.5	59.0	57.3	81.6			
F5	93.5	96.7	95.0	68.5	71.2	94.8			
B3	107.0	96.0	108.7	79.0	73.3	109.3			
L1	90.5		91.9				18.2		93.1
C5		95.6						17.3	
E3	97.0	99.1	98.5	70.0	58.1	96.8		18.2	
A4	99.5	96.0	101.1		67.3				
J5	97.3	100.5	98.8	85.1		117.7			
G2	102.0	93.7	103.6	65.0	80.1	89.9			
K2	97.0	100.0	98.5	72.0	64.0	99.6			
F4	111.0	100.7	112.7	67.0	71.2	92.7			
G4	104.1	104.7	105.7	64.9	66.2	89.8			
D5	109.0	90.2	110.7	80.7		111.7	20.8		106.4
I1		108.9			77.5			21.1	
D4		103.5						20.9	
J2		99.0			65.0			18.5	
E1		94.5			75.9				
CKPG	100.8	98.5	102.3	73.2	72.3	101.2	20.0	19.5	102.3

Note B is given in the appendix.

Table VIII

Averages of Mill Quality Data for MAR-APR, 1991

38 LB Kraft Linerboard

Code	Moisture Content Percent			Adj. Basis Wt. *A Lb/M Sq. Ft.			Caliper Mils		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A2	6.8	6.4	115.4	38.7	38.9	100.6	10.8	10.7	100.8
B4	5.8	5.7	98.4	38.3	38.4	99.5	10.3	10.3	96.2
C1	5.8	5.7	98.4	37.9	38.2	98.5	11.2	11.4	104.6
D2		5.9			38.3			10.1	
J3		6.2			38.6			11.5	
H3		5.9			38.1			11.0	
F5	5.7	5.6	95.9	39.0	39.8	101.4	10.7	11.2	99.4
B3		5.8			38.5			11.0	
L1	5.9	6.2	100.4	38.2	38.2	99.2	10.7	10.6	100.3
C5		5.5			38.4			10.4	
E3	5.0	5.6	84.8	39.2	38.9	101.7	10.4	11.2	97.1
A4				37.5	38.0	97.4	9.5	10.2	88.7
J5		5.8			39.2			10.7	
G2	5.9	5.9	100.1	38.1	38.2	99.0	10.8	10.5	100.8
K2	5.9	5.5	100.1	39.1	39.3	101.5	11.6	11.1	108.3
F4	5.7	5.8	96.7	38.5	38.4	99.9	11.0	11.3	102.7
G4	6.0	5.8	101.8	38.4	38.5	99.8	10.1	10.9	94.3
D5	6.2	6.2	104.3	37.7	37.7	98.0	10.2	10.4	95.2
I1	5.9	6.0	100.6	37.4	37.6	97.1	11.1	10.4	103.9
D4		6.5			38.3			10.5	
J2	5.9	5.9	99.6	39.8	39.3	103.5	11.1	10.4	103.9
E1		5.7			38.2			10.0	
CKPG	5.9	5.9	99.7	38.4	38.5	99.8	10.7	10.7	99.7

Notes A and B are given in the appendix.

Table VIII (Cont)

Averages of Mill Quality Data for MAR-APR, 1991

38 LB Kraft Linerboard

Code	Burst PSIG			CD Ring Crush Lb.			CD STFI Lb./In.		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A2	120.4	111.8	122.2	91.0	82.0	123.5			
B4	100.0	98.4	101.5	84.0	80.2	114.0	21.0	21.2	107.6
C1	97.0	98.3	98.4	78.0	75.8	105.8			
D2		92.3			89.0				
J3		95.0			77.1				
H3		94.0			57.8				
F5	94.0	96.5	95.4	65.0	71.9	88.2			
B3		99.3			75.0				
L1	96.8	90.5	98.2				18.7	18.2	95.7
C5		94.3						17.1	
E3	107.0	97.8	108.6	72.0	60.1	97.7		18.3	
A4	98.4	95.6	99.8		67.8				
J5		99.8			85.1				
G2	100.0	95.4	101.5		77.2				
K2	101.0	98.5	102.5	68.0	68.0	92.2			
F4	102.0	102.0	103.5	63.0	69.0	85.5			
G4	101.6	104.7	103.1	65.5	65.7	88.9			
D5	115.0	99.6	116.7	80.6	80.7	109.3	20.9	20.8	106.8
I1	101.2	107.9	102.7		77.4		17.9	21.2	91.6
D4		103.5						20.9	
J2	99.2	99.0	100.7	80.7	65.0	109.5		18.5	
E1		94.5			75.9				
CKPG	102.4	98.6	103.9	74.8	73.7	101.4	19.6	19.5	100.4

Note B is given in the appendix.

Table IX

Averages of Mill Quality Data for MAY-JUN, 1991

38 LB Kraft Linerboard

Code	Moisture Content Percent			Adj. Basis Wt. *A Lb/M Sq. Ft.			Caliper Mils		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A2	7.1	6.5	115.0	38.3	38.9	94.7	11.1	10.6	98.6
B4	5.7	5.8	92.3	38.1	38.4	94.4	10.5	10.1	93.3
C1	5.5	5.8	89.1	38.0	38.1	94.1	11.8	11.3	104.8
D2		5.9			38.4			10.1	
J3		6.2			38.6			11.5	
H3		5.9			38.1			11.0	
F5	5.5	5.7	89.1	40.1	39.7	99.3	9.7	11.2	86.2
B3	5.8	5.8	93.9	38.1	38.5	94.3	11.6	10.9	103.1
L1	6.5	6.1	105.3	38.3	38.2	94.8	10.6	10.6	94.2
C5		5.5			38.4			10.5	
E3	5.4	5.4	87.5	39.0	39.0	96.4	10.4	11.1	92.4
A4				38.0	37.9	94.0	9.4	10.0	83.5
J5		5.8			39.2			10.7	
G2	5.8	5.9	93.9	38.0	38.2	94.1	10.8	10.6	95.9
K2	5.8	5.7	93.9	39.2	39.2	97.0	10.9	11.2	96.8
F4		5.8			38.4			11.3	
G4		5.9			38.5			10.8	
D5	6.1	6.3	98.0	37.8	37.8	93.6	10.3	10.3	91.5
I1	6.0	6.0	96.4	37.5	37.5	92.8	10.3	10.6	91.9
D4									
J2		5.9			39.5			10.6	
E1		5.7			38.2			10.0	
CKPG	5.9	6.2	95.9	38.4	40.4	94.9	10.6	11.3	94.3

Notes A and B are given in the appendix.

Table IX (Cont)

Averages of Mill Quality Data for MAY-JUN, 1991

38 LB Kraft Linerboard

Code	Burst PSIG			CD Ring Crush Lb.			CD STFI Lb./In.		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A2	112.9	113.5	108.4	86.0	83.8	108.9			
B4	98.0	99.6	94.1	79.0	81.4	100.0	20.0	21.4	102.2
C1	91.0	99.5	87.4	77.0	77.0	97.5			
D2		93.0			88.5				
J3		95.3			76.1				
H3		94.0			57.8				
F5	81.0	96.3	77.8	48.0	72.4	60.8			
B3	95.0	103.0	91.2	74.0	78.0	93.7			
L1	100.6	93.7	96.6				19.7	18.4	100.8
C5		93.1						17.1	
E3	95.0	98.8	91.2	74.0	62.9	93.7		17.8	
A4	106.0	95.5	101.8		67.5				
J5		98.6			85.1				
G2	101.0	97.0	97.0	77.0	77.1	97.5			
K2	100.0	99.3	96.0	60.0	68.0	75.9			
F4		102.2			66.7				
G4		105.0			65.4				
D5	110.5	104.7	106.1	78.5	80.6	99.3	20.4	20.8	104.0
I1	103.0	107.2	98.9		77.2		19.6	20.5	100.1
D4		103.5						20.9	
J2		99.2			80.7				
E1		94.5			75.9				
CKPG	99.5	104.1	95.6	72.6	79.0	91.9	19.9	19.6	101.8

Note B is given in the appendix.

Table X

Averages of Mill Quality Data for JAN-FEB, 1991

42 LB Kraft Linerboard

Code	Moisture Content Percent	Adj. Basis Wt. *A Lb/M Sq. Ft.	Caliper Mils	Ind.	*B
A1	6.8	41.6	98.6	10.7	91.7
A2	6.8	42.5	100.5	11.7	100.3
B4	6.1	42.2	99.8	11.0	94.3
C1	5.8	42.1		12.7	
C4	5.1	42.1		11.4	
D2	6.0	42.3		11.1	
E5	6.5	42.2	100.0	11.2	96.0
F2	6.3	42.2	100.4	11.7	102.0
G5	5.2	41.8	99.8	12.9	111.4
I3	6.2	42.2		12.2	
J3	6.5	42.3		12.6	
K4	7.0	42.1	99.5	11.6	
H3	5.9	42.0		11.5	98.6
F5	5.8	43.3	102.6	11.9	102.0
G3	6.7	42.2	99.8	12.3	105.0
B3	5.7	42.1	99.7	11.9	102.0
K1	6.5	42.1	99.7	11.5	98.6
L1	6.3	42.2	99.6	11.6	99.3
C5	5.7	42.2		11.3	
E3	5.6	43.0	101.8	12.4	106.3
C3	5.4	41.6	98.4	12.1	103.7
A4	5.6	42.1	99.6	10.3	88.3
K5	6.9	42.2	99.8	11.0	94.3
D3	6.5	42.2	99.8	12.3	105.4
J5	5.8	43.5	102.9	12.2	104.4
D1	5.2	42.3		11.1	
H2	5.1	41.9		12.1	
I2	5.8	42.3		10.9	
E2	4.8	42.2	100.0	11.3	96.9
E4	5.7	43.0	101.7	12.7	108.9
G2	5.9	42.1	99.7	12.1	103.7
K2	6.0	43.0	101.8	12.2	104.6
C2	5.8	42.3	100.1	11.4	97.7
I5	5.8	43.3		11.2	
G4	6.0	42.1	99.7	11.4	97.7
D5	6.6	41.7	98.8	11.5	98.6
I1	6.0	41.5	98.3	12.1	103.7
G1	5.2	42.2	99.8	11.8	101.1
J2	5.9	43.3	102.5	10.9	93.3
J1	6.3	42.4		11.6	
D4	6.5	41.7	98.8	11.4	97.7
F4	6.0	42.1	99.4	12.9	110.6
E1	5.9	42.2		11.2	
A5	5.8	42.1	99.6	10.8	92.6
H4	5.4	42.1	99.7	11.1	95.1

Table X (Cont)

Averages of Mill Quality Data for JAN-FEB, 1991 42 LB Kraft Linerboard

Code	Burst PSIG	CD Ring Crush Lb.	CD STFI Lb./in.		
	Curr.	Curr.	Curr.	Av.	Av. *B
	Cum.	Cum.	Cum.	Ind.	Ind.
	Ind.	Ind.	Ind.		
A1	104.1	106.7	22.2	22.3	104.2
A2	118.8	117.8	105.0		
A4	109.0	108.8	90.0	22.0	103.3
C1	106.5		77.5	20.9	
C4	109.0		65.0		
D2	103.3		98.3		
E5	112.0	110.8		20.3	95.3
F2	109.0	107.5		19.5	91.6
G5	102.0	107.3		20.1	
I3	102.5		77.5		
J3	102.7		89.4		
K4	107.0			20.6	
H3	107.0		68.0		
F5	105.0	101.9	77.0		
G3	103.0	102.6	73.1	20.8	97.7
B3	105.0	105.8	86.0	20.4	
K1	103.0	104.7	80.0	19.3	96.9
L1	102.4	104.5	77.0	20.6	
C5	104.0		68.8	19.6	
E3	103.0	101.3	78.0		
C3	106.1	107.3	82.0		
A4	106.1	106.5	80.0		
K5	106.0	105.8	80.0	21.4	100.5
D3	110.0	119.8	78.8	21.3	
J5	104.9	100.7	88.9	20.0	93.9
D1	103.3		111.1		
H2	112.7				
I2	107.0		76.6		
E2	118.0	101.2	80.0		
E4	105.0	106.7	78.0		
G2	103.0	103.8	69.0		
K2	108.0	106.7	71.0		
C2	114.0	114.2	88.0	22.0	103.3
I5	104.2	105.9	74.3		
G4	104.2	105.9	91.5	22.8	106.8
D5	117.4	117.9	90.0	20.5	
I1	105.5	105.2		20.5	96.2
G1	112.0	109.2			
J2	107.0	103.8	87.6		
J1	107.7		93.6		
D4	109.0	104.9	88.5	20.7	97.2
F4	106.0	107.8	72.0	20.2	
E1	130.4		83.8	22.8	
A5	106.0	116.0	94.0		
H4	112.5	121.1	93.8		
CKPG	107.6	107.9	82.8	21.1	98.9
			81.2	21.3	
			102.0		

Note B is given in the appendix.

Table XI

Averages of Mill Quality Data for MAR-APR, 1991

42 LB Kraft Linerboard

Code	Moisture Content			Adj. Basis Wt. *A			Caliper		
	Percent	Cum.	Ind.	Lb/M Sq. Ft.	Cum.	Ind.	Mils	Cum.	Ind.
A1	6.9	6.6	115.8	41.6	98.5	10.7	10.8	91.7	
A2	6.9	6.6	115.8	42.4	100.4	11.8	11.6	101.2	
B4	6.0	5.9	100.7	42.2	100.0	11.3	11.0	96.9	
C1	5.6	5.8	94.0	41.9	99.3	12.2	12.7	104.6	
C4	5.0			42.2		11.2			
D2	6.0			42.3		11.2			
E5	6.5	6.5	109.1	42.1	99.8	10.4	10.9	89.2	
F2	6.5	6.3	109.1	42.2	100.0	11.6	11.8	99.4	
G5	5.2		87.3	42.2	99.8	13.0	12.9	111.4	
I3	6.3			42.2		12.2			
J3	6.5			42.3		12.6			
K4	7.0			42.1		11.6			
H3	5.9			42.0		11.5			
F5	5.9	5.6	98.2	41.9	99.1	11.6	11.9	99.4	
G3	6.6	6.7	110.8	42.2	99.8	12.2	12.3	104.6	
B3	6.0	5.7	100.7	42.1	99.8	11.9	11.8	102.0	
K1	6.5	6.5	109.1	42.1	99.8	11.3	11.4	96.9	
L1	6.3		106.1	42.2	100.0	11.8	11.7	100.7	
C5	5.6			42.2		11.4			
E3	5.4	5.7	90.6	43.1	102.1	11.9	12.5	102.0	
C3	5.7	5.6	95.7	41.8	98.9	12.1	12.0	103.7	
A4	7.0			42.0		10.2	10.9	87.4	
K5	7.0		117.5	42.2		11.1	11.2	95.2	
D3	6.5	6.5	108.2	42.1	99.8	12.6	12.2	107.6	
J5	5.8			43.5		12.0			
D1	5.3			42.3		11.1			
H2	5.2		87.3	41.8	99.8	12.0	12.0	102.9	
I2	5.7			42.3		10.7			
E2	5.4	5.0	90.6	42.7	101.1	11.0	11.7	94.3	
E4	5.4	5.7	90.6	43.1	102.1	11.8	12.6	101.2	
G2	6.0	5.9	100.7	42.0	99.5	12.0	11.8	102.9	
K2	5.9	6.0	99.0	43.1	102.0	12.2	12.3	104.6	
C2	5.8	5.8	97.3	42.2	99.9	11.7	11.3	100.3	
G4	6.0	6.0	100.7	42.1	99.8	11.3	11.3	96.9	
D5	6.5	6.4	109.1	41.7	98.8	11.3	11.2	96.4	
I1	6.0	6.0	101.0	41.5	98.2	12.4	11.8	105.9	
G1	5.2			41.8		12.0			
J2	5.9	5.9	99.2	43.3	104.1	12.1	11.1	104.1	
J1	6.3			42.4		11.7			
D4	6.6	6.5	110.8	41.1	97.2	12.5	11.7	107.2	
F4	6.0	5.9	100.7	42.1		12.5	12.5	107.2	
E1	5.9	5.9		42.2		11.2			
A5	5.8	5.8	97.3	42.3	100.2	10.6	10.7	90.9	
H4	5.5	5.3	92.3	42.1	99.8	11.1	11.3	95.2	

Notes A and B are given in the appendix.

Table XI (Cont)

Averages of Mill Quality Data for MAR-APR, 1991 42 LB Kraft Linerboard

Code	Burst PSIG			CD Ring Crush Lb.			CD STFI Lb./in.		
	Avg.	Cum.	Ind.	Avg.	Cum.	Ind.	Avg.	Cum.	Ind.
			*B			*B			*B
A1	102.6	106.4	93.0	103.0	93.3	126.6	21.5	22.2	101.2
A2	127.2	117.8	115.3	89.0	90.8	109.4	22.0	23.3	103.6
B4	106.0	109.5	96.1						
C1	103.0	106.5	93.4	93.0	77.5	114.3			
C4	111.0	111.0		65.0			20.9		
D2	103.0			97.7					
E5	111.0	111.2	100.6				21.2	21.4	99.8
F2	111.0	107.8	100.6				19.8	20.0	93.2
G5	103.0	106.0	93.4						
I3	101.7			77.5					
J3	102.9			89.6					
K4	107.0						20.6		
H3	107.0			68.0					
F5	101.0	102.4	91.6	76.0	73.8	93.4			
G3	101.0	102.7	91.6	90.0	85.5	110.7	21.4	20.3	100.8
B3	108.0	106.0	97.9	82.0	77.6	100.8	21.2	19.4	99.6
L1	102.1	103.6	92.6						
C5	103.6			68.3			19.3		
E3	105.0	101.0	95.2	77.0	74.5	94.7			
C3	108.7	107.0	98.6	85.0	80.5	104.5			
A4	111.8	106.0	101.4						
K5	107.0	105.8	97.0				21.2	21.3	99.8
D3	114.5	116.8	103.8	84.5	79.8	103.9	21.0	20.8	98.9
J5	101.7			89.0					
D1	103.3			96.0					
H2	109.0	111.6	98.8	72.0					
I2	107.0			76.5					
E2	114.0	104.2	103.4	81.0	76.8	99.6			
E4	107.0	105.3	97.0	73.0	74.3	89.8			
G2	100.0	103.8	90.7	64.0	70.5	78.7			
K2	109.0	107.2	98.8	73.0	71.3	89.8			
C2	112.0	114.2	101.5	86.0	88.0	105.7	21.0	22.8	98.9
G4	105.1	105.8	95.3	73.9	75.1	90.8			
D5	118.5	117.8	107.4	93.1	89.6	114.4	22.7	23.5	106.7
I1	104.5	105.0	94.7				19.6	20.7	92.1
G1	108.8								
J2	108.7	104.5	98.6	88.6	86.5	109.0			
J1	107.8			94.2					
D4	114.5	105.4	103.8	89.5	78.9	110.0	21.2	20.5	99.8
F4	108.0	107.7	97.9	67.0	69.2	82.4			
E1	130.4			83.8			22.8		
A5	113.0	112.7	102.4	99.0	93.0	121.7			
H4	109.7	121.1	99.5	97.8	99.8	120.2			
CKPG	112.0	110.3	101.5	84.1	81.3	103.4	21.1	21.2	99.5

Note B is given in the appendix.

Table XII

Averages of Mill Quality Data for MAY-JUN, 1991

42 LB Kraft Linerboard

Code	Moisture Content										Adj. Basis Wt. *A										Caliper									
	Percent					Lb/M Sq. Ft.					Ind.					Mills					Cum. Ind.					*B				
A1	7.0	6.7	117.6	117.6	6.7	41.7	41.6	98.7	98.7	41.6	42.2	42.5	99.8	10.9	10.8	11.8	11.6	101.3	93.6	10.9	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
A2	7.0	6.7	117.6	117.6	6.7	42.1	42.2	99.8	99.8	42.1	42.2	42.2	99.8	11.8	11.6	11.8	11.6	101.3	93.6	11.8	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
B4	6.0	5.9	100.8	100.8	5.9	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
B3	5.8	5.8	97.4	100.8	5.8	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
G3	6.6	6.7	110.8	100.8	6.7	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
B3	5.8	5.8	97.4	100.8	5.8	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
K1	6.4	6.5	107.5	100.8	6.5	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
L1	6.6	6.2	110.5	100.8	6.2	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
C5	5.6	5.6	90.7	100.8	5.6	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
E3	5.4	5.6	90.7	100.8	5.6	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
C3	5.8	5.6	97.4	100.8	5.6	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
A4	7.1	7.0	119.2	100.8	7.0	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
D3	6.6	6.5	110.0	100.8	6.5	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
J5	5.8	5.8	97.4	100.8	5.8	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
D1	5.3	5.3	92.4	100.8	5.3	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
H2	5.2	5.1	87.3	100.8	5.1	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
I2	5.6	5.6	94.0	100.8	5.6	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
E2	5.6	5.0	94.0	100.8	5.0	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
E4	5.5	5.6	92.4	100.8	5.6	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
G2	6.0	5.9	100.8	100.8	5.9	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
K2	5.9	6.0	99.1	100.8	6.0	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
C2	5.8	5.8	97.4	100.8	5.8	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
G4	6.0	6.0	100.8	100.8	6.0	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
D5	6.5	6.5	109.2	100.8	6.5	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
I1	6.1	6.0	101.9	100.8	6.0	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
G1	5.1	5.2	85.7	100.8	5.2	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
J2	5.9	5.9	98.8	100.8	5.9	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
J1	6.2	6.2	110.0	100.8	6.2	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
D4	6.5	6.5	110.0	100.8	6.5	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
F4	6.0	6.0	92.4	100.8	6.0	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
E1	5.9	5.9	92.4	100.8	5.9	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
A5	6.0	5.8	92.4	100.8	5.8	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
H4	5.5	5.3	92.4	100.8	5.3	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8
F1	6.7	6.7	112.5	100.8	6.7	42.1	42.0	99.8	99.8	42.1	42.2	42.2	99.8	11.7	11.5	11.7	11.6	100.4	98.7	11.7	11.2	11.2	11.2	11.2	11.2	11.5	11.0	98.7	93.6	10.8

Notes A and B are given in the appendix.

Table XII (Cont)

42 LB Kraft Linerboard

Averages of Mill Quality Data for MAY-JUN, 1991

Code	Burst	CD Ring Crush	CD STFI
	PSIG	Lb.	Lb/in.
	Curr.	Curr.	Curr.
	Cum.	Cum.	Cum.
	Ind.	Ind.	Ind.
	*B	*B	*B
A1	105.6	97.9	21.4
A2	123.2	94.0	21.9
B4	110.0	91.0	23.0
C1	106.5	85.0	108.6
C4	111.0	65.0	20.9
D2	103.5	96.0	21.1
E5	118.0		100.6
F2	108.3		20.0
G5	103.0		
I3	101.5	77.5	
J3	103.3	89.8	
K4	107.0		20.6
H3	104.0	69.0	
F5	101.5	73.0	
G3	101.0	82.0	20.2
B3	103.0	87.0	20.5
K1	103.0	83.0	
L1	103.1	83.0	20.8
C5	103.4	68.1	19.7
E3	104.0	79.0	19.2
C3	108.3	96.6	
A4	113.6	81.4	
K5	108.0		21.0
D3	112.0	80.4	20.5
J5	102.2	89.3	99.2
D1	103.0	96.0	96.8
H2	113.0	72.0	
I2	106.3	76.7	
E2	107.0	85.0	
E4	106.0	77.0	
G2	105.0	70.0	
K2	107.0	65.0	
C2	114.0	86.0	21.0
G4	105.7	88.6	22.4
D5	115.6	90.6	23.1
I1	108.0	110.7	19.4
G1	115.0		20.6
J2	113.3	92.0	22.4
J1	106.8	93.9	20.6
D4	118.0	84.0	106.0
F4	108.2	68.5	
E1	130.4	83.8	22.8
A5	109.0	96.0	
H4	111.5	99.8	
F1	110.0	118.1	21.5
CKPG	109.0	82.6	21.3
	107.9	81.8	21.2
	101.1	100.9	100.6

Note B is given in the appendix.

Table XIII

Averages of Mill Quality Data for JAN-FEB, 1991

69 LB Kraft Linerboard

Code	Moisture Content			Adj. Basis Wt. *A			Caliper		
	Percent	Cur. Cum. Ind.	Av. *B	Lb/M Sq. Ft.	Cur. Cum. Ind.	Av. *B	Mils	Cur. Cum. Ind.	Av. *B
A1	7.4	7.2	115.0	68.3	68.2	98.5	17.4	18.1	92.6
A2	6.8	6.1	105.7	69.3	69.9	100.0	19.4	18.9	103.2
F2	6.4	6.3	99.4	69.6	69.7	100.5	20.0	19.2	106.4
F5	6.5	6.2	101.0	68.6	69.1	99.0	18.6	18.8	98.9
G5	6.8	6.1	105.7	69.3	69.4	100.0	19.2	18.7	102.1
K1	6.9	6.8	107.2	69.2	69.2	99.9	18.3	18.1	97.3
L1	6.2	6.2		69.3			18.7		
C5	6.2			69.0			19.2		
C3	5.7	6.0	88.6	68.0	68.5	98.1	19.6	19.1	104.3
A4	6.9			69.0	68.3	99.5	18.2	17.8	96.8
K5	7.0	7.1	108.8	69.2	69.2	99.9	16.5	17.5	87.8
D3	7.5	7.0	115.8	69.2	69.6	99.9	18.9	19.6	100.5
B2	6.1	6.1	94.8	70.2	70.1	101.2	19.9	19.2	105.9
J5	6.1	5.9	94.3	69.8	69.1	100.7	19.8	19.8	105.4
D1	6.4			69.9			17.8		
H2	5.7	5.8	88.6	69.2	69.2	99.9	18.8	19.2	100.0
I2	6.8			70.0			19.5		
E2	5.8	6.6	90.1	68.0	69.5	98.2	17.1	19.7	91.0
E4	5.6	6.4	87.0	70.6	70.1	101.9	19.7	19.3	104.8
K2	5.8		90.1	70.8	70.8	102.2	18.6	19.5	98.9
C2	6.8	6.9	105.7	68.9	69.1	99.5	18.4	18.4	97.9
I5	6.7			69.2			19.5		
G4	7.0	6.8	108.8	69.2	69.3	99.9	19.1	18.4	101.6
I1	6.9	6.9	107.2	68.8	68.8	99.3	19.3	19.3	102.7
J1	6.2			69.3			18.2		
D4	6.7	6.5	104.3	68.9	68.8	99.4	19.7	19.4	104.8
F4	6.0	6.2	93.2	69.1	69.2	99.7	20.0	18.5	106.4
F3	6.3	6.2	97.9	69.2	69.2	99.9	18.7	18.5	99.5
D5	6.6			69.2			17.8		
E1	6.6			69.2			18.7		
H4	5.7			69.3			18.5		
E5	6.8			69.7			17.3		92.0
J2	6.1			69.8			17.4		92.7
CKPG	6.4	6.4	100.1	69.3	69.3	99.9	18.7	18.8	99.7

Notes A and B are given in the appendix.

Table XIII (Cont)

Averages of Mill Quality Data for JAN-FEB, 1991

69 LB Kraft Linerboard

Code	Burst			CD Ring Crush			CD STFI		
	PSIG	Cum. Ind.	Av. *B	Lb.	Cum. Ind.	Av. *B	Lb/in.	Cum. Ind.	Av. *B
A1	153.9	147.3	103.9	162.0	150.5	122.6	33.2	35.3	99.9
A2	163.6	173.2	110.4	150.0			29.1	29.3	87.5
F2	144.0	140.3	97.2	144.3					
F5	132.5	136.8	89.4	142.0	135.2	107.4			
G5	142.0	150.0	95.8	132.0	132.5	99.9			
K1	159.0	155.0	107.3	121.5					
L1	138.0			123.3			28.7		
C5	141.5			135.0	132.0	102.1			
C3	151.2	156.6	102.0	126.0			34.1	32.8	102.6
A4	161.8	153.6	109.2	130.0	130.8	98.3	34.1	32.8	102.6
K5	148.0	151.8	99.9	116.0	118.6	87.8	30.0	32.8	90.3
D3	150.5	152.4	101.6	142.4	141.0	107.7			
B2	141.0	139.6	95.2	144.5					
J5	139.2	140.9	93.9	125.0					
D1	144.0			122.7					
H2	160.0	145.2	108.0	125.0					
I2	140.3			125.0	126.8	94.6			
E2	147.0	133.8	99.2	124.0	124.7	93.8	34.0		
E4	139.0	142.8	93.8	125.0	129.3	94.6			
K2	145.0	143.8	97.9	130.0	127.0	98.3	32.0	34.3	96.3
C2	146.0	148.8	98.5	118.4	129.6	89.6			
G4	149.2	153.7	100.7	131.3			31.7	31.7	95.4
I1	144.6	143.5	97.6	134.6					
J1	155.4			142.0	126.8	107.4	33.4	32.0	100.5
D4	142.0	140.8	95.8	121.0	114.5	91.5			
F4	145.0	155.3	97.9	166.8			29.4	29.7	88.5
F3	141.0	145.0	95.2	163.6	140.4	123.8			
D5	168.1			119.7			39.8		
E1	154.2			148.3					
H4	156.4	158.6	105.6	112.2			33.8		
E5	146.0								
J2	154.4								
CKPG	148.1	148.2	99.9	134.8	132.2	102.0	31.9	33.2	95.8

Note B is given in the appendix.

Table XIV

Averages of Mill Quality Data for MAR-APR, 1991 69 LB Kraft Linerboard

Code	Moisture Content				Adj. Basis Wt. *A				Caliper			
	Cur.	Cum.	Ind.	Percent	Cur.	Cum.	Ind.	Lb/M Sq. Ft.	Cur.	Cum.	Ind.	*B
A1	7.4	7.3	115.1	68.2	68.2	68.2	98.4	17.8	18.0	95.1		
A2	6.9	6.3	107.3	69.6	69.8	100.4	19.3	19.0	103.1			
F2	6.6	6.3	102.7	69.6	69.7	100.4	19.5	19.4	104.2			
F5	6.6	6.2	101.9	68.9	69.0	99.4	18.9	18.8	101.0			
G5	6.3	6.3	98.0	69.2	69.4	99.9	19.1	18.7	102.1			
K1	6.9	6.8	107.3	69.2	69.2	99.9	18.1	18.2	96.7			
L1	6.2	6.2	97.1	69.1	69.3	99.6	18.7	18.7	99.8			
C5	6.1	6.1		68.9	68.9		19.3	19.3				
C3	5.9	5.9	91.8	68.0	68.4	98.1	19.7	19.2	105.3			
A4	6.9	6.9		69.0	68.3	99.5	18.4	17.7	98.3			
K5	7.1	7.1	110.4	69.2	69.2	99.9	16.6	17.4	88.7			
D3	7.4	7.0	114.3	69.2	69.6	99.9	19.0	19.5	101.3			
B2	6.1	6.2	94.9	70.3	70.0	101.4	19.4	19.2	103.7			
J5	5.9	5.9		69.1	69.1		19.7	19.7				
D1	6.5	6.5		69.9	69.9		17.9	17.9				
H2	5.6	5.8	87.1	69.2	69.2	99.9	19.3	19.1	103.1			
I2	6.8	6.8		70.0	70.0		19.4	19.4				
E2	6.5	6.4	101.1	69.3	69.3	99.9	18.6	19.3	99.4			
E4	5.6	6.2	87.1	70.6	70.1	101.9	19.1	19.2	102.1			
K2	5.9	5.8	91.8	70.7	70.8	102.0	18.8	19.1	100.5			
C2	6.6	6.8	102.7	69.1	69.1	99.7	18.7	18.4	99.9			
I5	7.0	7.0		68.8	68.8		19.5	19.5				
G4	7.0	6.8	108.9	69.2	69.3	99.9	19.1	18.5	102.1			
I1	6.9	6.8	107.8	68.7	68.8	99.1	20.0	19.4	106.9			
J1	6.2	6.2	102.3	67.8	68.9	97.8	19.4	19.3	103.4			
D4	6.6	6.5	102.3	69.3	69.2	99.9	19.4	19.0	103.7			
F4	6.1	6.1	94.9	69.3	69.2	99.9	19.4	19.4				
F3	6.1	6.2	94.9	69.2	69.2	99.9	18.3	18.6	97.8			
D5	6.6	6.6		69.2	69.2		17.8	17.8				
E1	6.6	6.6		69.2	69.2		18.7	18.7				
H4	5.9	5.9	93.3	69.2	69.3	99.9	18.3	18.6	97.8			
E5	6.8	6.8		69.7	69.7		17.3	17.3				
J2	6.2	6.1	97.1	70.8	69.8	102.1	19.8	17.4	102.8			
CKPG	6.5	6.4	100.4	69.3	69.3	99.9	18.9	18.7	100.8			

Notes A and B are given in the appendix.

Table XIV (Cont)

Averages of Mill Quality Data for MAR-APR, 1991 69 LB Kraft Linerboard

Code	Burst			CD Ring Crush			CD STFI		
	PSIG	Cum. Ind.	Av. *B	Lb.	Cum. Ind.	Av. *B	Lb./In.	Cum. Ind.	Av. *B
A1	150.8	149.5	101.8	164.0	152.4	123.0	35.4	35.0	107.4
A2	174.5	171.6	117.8	141.0	136.0	105.7	29.9	29.2	90.7
F2	143.0	141.0	96.5	144.4	130.0	97.5	29.9	29.2	90.7
F5	131.5	136.9	88.8	141.0	133.9	97.5	37.1	29.1	112.6
K1	153.0	156.0	103.3	121.5	123.3	105.0	37.1	29.1	112.6
L1	137.8	138.0	93.0	123.3	123.3	105.0	28.7		
C5	142.7			123.3					
C3	160.2	155.5	108.1	140.0	133.0	105.0	34.1	32.8	101.4
A4	158.9	155.3	107.3	126.0					
K5	151.0	150.8	101.9	131.5	131.8	98.6	33.4	32.8	101.4
D3	148.0	151.2	99.9	115.0	119.8	86.2	30.0	31.8	91.0
B2	136.0	140.6	91.8	140.8					
J5	141.6			143.3					
D1	143.3			125.0					
H2	153.0	146.5	103.3	119.8					
I2	139.0			132.0	126.5	99.0	34.0		
E2	147.0	136.8	99.2	123.0	125.2	92.2			
E4	141.0	142.3	95.2	127.0	128.8	95.2			
K2	152.0	143.8	102.6	125.0	126.6	93.7			
C2	144.0	147.4	97.2	143.3			31.0	33.7	94.1
I5	147.9	152.1	99.8	117.8	128.9	88.3			
G4	147.6	142.9	99.6	131.3			29.9	32.2	90.7
I1	153.2			131.9			32.2		
J1	159.0	141.1	107.3	140.5	132.1	105.3	32.3		100.6
D4	152.0	153.3	102.6	110.0	115.8	82.5	30.0	29.9	91.0
F3	147.0	143.3	99.2	166.8			40.0		
D5	168.1			119.7			39.8		
E1	154.2			174.8	152.0	131.1			
H4	155.1	157.5	104.7	145.9	148.3	109.4	33.8		
E5	146.0			134.5	133.4	100.8			
J2	152.0	154.4	102.6						
CKPG	149.5	148.1	100.9				32.2	33.0	97.7

Note B is given in the appendix.

Table XV

Averages of Mill Quality Data for MAY-JUN, 1991 69 LB Kraft Linerboard

Code	Moisture Content			Adj. Basis Wt. *A			Caliper		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A1	7.8	7.3	121.4	68.2	68.3	98.4	18.3	17.9	97.7
A2	6.7	6.5	104.2	69.3	69.7	100.0	19.7	19.0	105.2
F2	6.5	6.4	101.1	69.4	69.4	100.2	20.2	19.2	107.9
F5	6.5	6.3	101.1	68.7	69.0	99.1	18.4	18.9	98.3
G5	7.0	6.4	108.9	69.1	69.3	99.7	18.7	18.7	99.9
K1	6.9	6.9	107.4	69.3	69.2	100.0	18.3	18.2	97.7
L1		6.2			69.2			18.7	
C5		6.1			68.8			19.1	
C3	6.0	5.9	93.4	67.9	68.3	97.9	19.1	19.3	102.0
A4				69.0	68.3	99.6	18.2	17.7	97.2
K5	7.1	7.2	110.5	69.3	69.2	99.9	16.5	17.3	88.1
D3	7.6	6.9	118.3	69.2	69.6	99.9	20.0	19.5	106.5
B2	6.2	6.2	96.5	69.5	70.1	100.3	19.1	19.1	102.0
J5		5.9			68.9			19.7	
D1		6.6			70.2			18.0	
H2		5.9			69.2			19.0	
I2		6.8			70.1			19.2	
E2	6.8	6.3	105.8	68.7	69.4	99.2	17.6	19.1	94.0
E4	5.6	6.1	87.1	70.6	70.1	101.9	19.6	19.0	104.7
K2	5.8	5.9	90.2	70.8	70.8	102.2	19.0	18.7	101.5
C2	6.7	6.8	104.2	68.9	69.1	99.4	18.4	18.5	98.3
I5		7.0			68.8			19.5	
G4	7.0	6.8	108.9	69.2	69.3	99.9	19.4	18.6	103.6
I1	7.0	6.8	108.6	68.9	68.8	99.4	19.7	19.5	105.3
J1		6.2			69.3			18.4	
D4	6.9	6.5	107.8	69.0	68.7	99.5	19.8	19.2	105.7
F4		6.1			69.2			19.4	
F3	6.1	6.2	94.9	69.2	69.2	99.9	18.4	18.6	98.3
D5		6.6			69.2			17.8	
E1		6.6			69.2			18.7	
H4	6.0	5.9	93.4	69.2	69.3	99.9	18.7	18.5	99.9
E5		6.8			69.7			17.3	
J2	6.3	6.2	97.2	70.8	70.3	102.2	17.3	18.6	92.3
G1	5.6		87.1	69.2		99.9	19.5		104.1
CKPG	6.6	6.4	102.3	69.3	69.3	99.9	18.8	18.7	100.5

Notes A and B are given in the appendix.

Table XV (Cont)

Averages of Mill Quality Data for MAY—JUN, 1991				69 LB Kraft Linerboard					
Code	Burst PSIG			CD Ring Crush Lb.			CD STFI Lb/In.		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
A1	149.1	150.7	100.6				36.6	35.9	110.4
A2	169.6	172.3	114.5	151.0	154.9	113.1			
F2	145.0	139.8	97.9		150.0		33.4	29.3	100.7
F5	131.0	137.1	88.4	129.0	140.0	96.6			
G5	141.0	148.5	95.2	135.0	137.0	101.1			
K1	153.0	155.8	103.3	134.0	134.1	100.4			
L1		137.9			121.5				
C5		143.2			123.3			28.8	
C3	156.0	156.3	105.3	135.0	134.8	101.1			
A4	166.7	155.0	112.5					34.1	
K5	148.0	150.3	99.9		126.0		33.0	32.8	99.5
D3	152.0	147.1	102.6	130.5	132.7	97.7	31.0	30.9	93.5
B2	140.0	139.2	94.5	119.0	120.6	89.1			
J5		142.5			141.4				
D1		141.5			138.0				
H2		147.8			125.0				
I2		139.5			120.5				
E2	142.0	140.0	95.9	140.0	127.8	104.9			
E4	141.0	141.5	95.2	126.0	125.2	94.4		34.0	
K2	145.0	145.5	97.9	123.0	127.8	92.1			
C2	146.0	147.2	98.6	125.0	125.6	93.6	31.0	32.7	93.5
I5		143.3						31.0	
G4	151.8	149.7	102.5	116.2	128.3	87.0			
I1	151.0	143.4	101.9		131.3		31.0	32.0	93.3
J1		154.0			129.1				
D4	168.5	144.6	113.7	136.5	135.4	102.2	34.8	32.2	105.0
F4		153.5			115.3				
F3	149.0	143.5	100.6				28.4	30.2	85.6
D5		168.1			166.8			40.0	
E1		154.2			119.7			39.8	
H4	153.9	156.7	103.9	165.4	159.6	123.9			
E5		146.0						33.8	
J2	151.7	153.2	102.4	146.1	147.1	109.4			
G1	156.0		105.3						
CKPG	150.3	148.1	101.5	134.1	133.5	100.4	32.4	33.2	97.7

Note B is given in the appendix.

Table XVI

Averages of Mill Quality Data for JAN-FEB, 1991 90 LB Kraft Linerboard

Code	Moisture Content			Adj. Basis Wt. *A			Caliper		
	Curr.	Cum.	Ind.	Curr.	Cum.	Ind.	Curr.	Cum.	Ind.
F5	6.9	6.6	105.1	89.9	90.1	99.5	25.1	25.3	102.3
B3	5.9			90.6			25.6		
C3	7.4	8.0	112.7	89.6	89.6	99.2	25.6	25.5	104.5
K5	6.9			90.3			20.4		
D3	7.6	7.4	115.7	90.3	90.3	100.0	25.1	25.0	102.5
B2	6.3	6.1	95.9	91.2	91.7	100.9	25.4	25.8	103.7
D1	6.3			90.8			22.6		
H2	6.6			89.7			25.1		
I2	6.4			90.7			25.3		
J1	6.4			90.5			22.8		
D4	6.8	6.7	104.0	90.2	89.9	99.8	25.2	25.9	102.9
F4	6.3	6.2	95.9	90.3	90.2	100.0	24.0	23.9	98.0
F3	6.4	6.2	97.4	90.2	90.2	99.9	23.9	23.7	97.6
I1	7.0			89.7			25.6		
H4	6.0	6.0	91.3	90.3	90.4	100.0	24.6	24.8	100.4
C2	6.9		105.1	90.2		99.8	25.2		102.9
CKPG	6.7	6.6	102.6	90.2	90.3	99.9	24.9	24.5	101.6

Notes A and B are given in the appendix.

Averages of Mill Quality Data for JAN-FEB, 1991

[illegible]

Table XVII

Averages of Mill Quality Data for MAR-APR, 1991 90 LB Kraft Linerboard

Code	Moisture Content			Percent			Caliper		
	F5	B3	C3	K5	D3	B2	D1	H2	J1
	6.6	6.9	7.8	6.9	7.4	6.2	6.2	6.6	6.5
	6.7	6.0	7.8	6.9	7.4	6.2	6.2	6.4	6.7
	100.1	104.6	118.2	100.1	114.5	97.0	104.3	104.6	104.3
	6.7	6.9	6.1	7.0	6.2	6.9	6.2	6.9	6.2
	6.6	6.0	6.2	6.2	6.2	6.0	6.0	6.0	6.0
	102.1	102.1	92.5	92.5	94.0	94.0	94.0	94.0	94.0
	89.8	90.3	90.2	89.7	90.5	90.2	90.5	90.2	90.5
	99.4	99.4	99.9	99.9	100.2	100.2	100.2	99.9	100.2
	24.9	24.5	23.8	25.1	24.8	25.1	24.8	25.1	24.8
	101.7	101.7	102.0	102.4	102.4	102.4	102.4	102.4	102.4
	CKPG	CKPG	CKPG	CKPG	CKPG	CKPG	CKPG	CKPG	CKPG

Notes A and B are given in the appendix.

Table XVII (Cont)

Averages of Mill Quality Data for MAR-APR, 1991

90 LB Kraft Linerboard

Code	Burst PSIG			CD Ring Crush Lb.			CD STFI Lb./In.		
	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B	Cur. Av.	Cum. Av.	Ind. *B
F5	153.5	155.8	87.5		177.0				
B3	183.0	167.2	104.3	174.0	169.8	101.2			
C3	206.2	192.7	117.5	177.0	165.0	102.9			
K5		190.4						44.8	
D3	191.5	189.2	109.1	162.0	161.5	94.2	37.0	39.7	86.9
B2	164.0	166.2	93.4	151.0	150.7	87.8			
D1		161.0			179.3				
H2		165.5							
I2		178.3			177.3				
J1		186.1			186.9				
D4	190.0	167.1	108.3	180.0	176.3	104.7	40.4	42.8	94.8
F4	178.0	179.8	101.4	149.0	150.5	86.6			
F3	182.0	180.2	103.7				38.5	40.6	90.4
I1		172.6						43.6	
H4	187.1	186.1	106.6	223.9	203.2	130.2			
C2	166.0	170.0	94.6	167.0	166.0	97.1	44.0	44.0	103.3
CKPG	180.1	175.5	102.6	173.0	172.0	100.6	40.0	42.6	93.9

Note B is given in the appendix.

Table XVIII

Averages of Mill Quality Data for MAY-JUN, 1991

90 LB Kraft Linerboard

Code	Moisture Content			Adj. Basis Wt. *A			Caliper		
	Cur.	Cum.	Ind.	Cur.	Cum.	Ind.	Cur.	Cum.	Ind.
F5	6.7	6.7	101.2	89.6	89.6	99.2	25.7	25.4	104.9
B3	6.2	6.2	90.5	90.1	90.5	99.8	25.4	25.6	104.1
C3	8.2	7.8	123.9	90.1	89.6	99.8	25.5	25.6	104.1
K5	6.9	6.9	90.2	90.2	90.2	99.8	20.6	20.6	
D3	7.5	7.5	113.3	91.5	90.4	101.4	25.2	24.6	102.9
B2	5.9	6.2	89.1	90.6	91.6	100.4	24.7	25.6	100.8
D1	6.2	6.2	90.6	90.6	90.6	99.8	22.3	22.3	
H2	6.9	6.9	90.1	90.1	90.1	99.8	25.1	25.1	
I2	6.1	6.1	90.7	90.7	90.7	99.8	25.4	25.4	
J1	6.5	6.5	90.5	90.5	90.5	99.8	22.9	22.9	
D4	6.9	6.7	104.4	89.7	89.3	99.4	25.5	25.8	103.9
F4	6.2	6.2	90.3	90.3	90.3	99.8	24.2	23.9	95.1
F3	5.9	6.2	89.1	90.3	90.2	100.0	23.3	23.9	95.1
I1	7.0	7.0	90.7	90.7	90.7	99.8	25.4	25.4	
H4	6.1	6.1	92.2	90.5	90.4	100.3	24.8	24.8	101.2
C2	6.9	6.9	104.2	90.1	90.2	99.8	25.0	25.2	102.1
CKPG	6.8	6.6	102.2	90.3	90.2	100.0	25.0	24.5	101.9

Notes A and B are given in the appendix.

Table XVIII (Cont)

Averages of Mill Quality Data for MAY-JUN, 1991 90 LB Kraft Linerboard

Code	Burst			CD Ring Crush			CD STFI		
	Cur.	Cum.	Ind.	Cur.	Cum.	Ind.	Cur.	Cum.	Ind.
	Av.	Av.	*B	Av.	Av.	*B	Av.	Av.	*B
F5	166.0	155.3	94.3	170.0	174.0	98.5			
B3	169.4			171.8					
C3	192.6	196.1	109.4	161.0	171.0	93.3			
K5	192.3								
D3	190.0	189.6	107.9	173.0	161.6	100.2	39.5	38.9	93.0
B2	171.0	165.7	97.1	164.0	150.3	95.0	45.2		
D1	160.0			177.0					
H2	167.0								
I2	176.5			172.0					
J1	185.9			186.5					
D4	191.0	170.8	108.5	173.0	180.7	100.2	43.4	42.4	102.1
F4	179.3			151.2					
F3	178.0	180.2	101.1				37.6	40.5	88.5
I1	174.9						43.9		
H4	185.4	186.3	105.3	219.8	208.4	127.4	43.0	44.0	101.2
C2	172.0	168.0	97.7	161.0	166.5	93.3			
CKPG	180.8	176.1	102.7	174.5	172.6	101.1	40.9	42.5	96.2

Note B is given in the appendix.

Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XIX. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and C.K.P.G. indexes are described in the Appendix.

It should be explained that the number of machines for which data are compiled in each table for a specified period varies for these reasons: a machine must have (a) produced at least 500 tons of the pertinent grade weight during the specified period, or (b) produced 500 tons of pertinent grade weight during ANY ONE OR MORE of the 12 months prior to the specified period (so that a cumulative average is available), to be included in a given table.

TABLE XIX
Data on Conditioning and Testing Environments
JAN-FEB, MAR-APR, MAY-JUN, 1991

Conditioning Environment					Testing Environment		
Code	Conditioned	Procedures			Are Quality Samples Tested		
	Before Testing?	Min.	Temp [°] F	R.H. %	Under Controlled Conditions		
					Of Temperature and Humidity?		
A1	YES	15	--	--	YES: 73 ±2 [°] F;	50 ±1 %	RH
A2	NO	--	--	--	YES: 73 ±3 [°] F;	50 ±5 %	RH
A3	YES	--	--	--	YES: 73 ±2 [°] F;	50 ±2 %	RH
A4	YES	--	--	--	YES: 73 ±2 [°] F;	50 ±2 %	RH
A5	YES	10	--	--	YES: 72 ±2 [°] F;	50 ±2 %	RH
B1	YES	10	--	--	YES: 72 ±2 [°] F;	50 ±2 %	RH
B2	YES	10	--	--	YES: 72 ±2 [°] F;	50 ±2 %	RH
B3	NO	--	--	--	YES: 72 ±3 [°] F;	50 ±2 %	RH
B4	NO	--	--	--	YES: 73 ±2 [°] F;	50 ±2 %	RH
B5	NO	--	--	--	YES: 70 ±2 [°] F;	50 ±2 %	RH
C1	NO	--	--	--	YES: 72 ±3 [°] F;	50 ±2 %	RH
C2	NO	--	--	--	YES: 73 ±2 [°] F;	50 ±2 %	RH
C3	NO	--	--	--	YES: 70 ±2 [°] F;	50 ±2 %	RH
C4	NO	--	--	--	YES: 72 ±2 [°] F;	50 ±2 %	RH
C5	NO	--	--	--	YES: 72 ±2 [°] F;	50 ±2 %	RH
D1	NO	--	--	--	YES: 73 ±2 [°] F;	50 ±2 %	RH
D2	NO	--	--	--	YES: 73 ±2 [°] F;	50 ±2 %	RH
D3	NO	--	--	--	YES:		
D4	NO	--	--	--	YES:		
D5	NO	--	--	--	YES:		
E1	NO	--	--	--	YES:		
E2	NO	--	--	--	NO :		
E3	NO	--	--	--	NO :		
E4	NO	--	--	--	NO :		
E5	NO	--	--	--	YES: 73 ±2 [°] F;	50 ±2 %	RH
F1	NO	--	--	--	YES: 73 ±2 [°] F;	50 ±2 %	RH
F2	NO	--	--	--	YES: 73 ±2 [°] F;	50 ±2 %	RH
F3	NO	--	--	--	YES: 73 ±2 [°] F;	50 ±2 %	RH
F4	NO	--	--	--	YES: 73 ±2 [°] F;	50 ±2 %	RH
F5	NO	--	--	--	NO :		
G1	NO	--	--	--	YES: 70 ±4 [°] F;	50 ±5 %	RH
G2	NO	--	--	--	YES: 73 ±2 [°] F;	50 ±2 %	RH
G3	NO	--	--	--	NO :		
G4	NO	--	--	--	NO :		
G5	NO	--	--	--	YES: 70 ±4 [°] F;	50 ±5 %	RH
H1	YES	20	--	--	YES: 72 ±2 [°] F;	50 ±2 %	RH
H2	NO	--	--	--	YES: 70 ±4 [°] F;	50 ±5 %	RH
H3	NO	--	--	--	YES: 73 ±2 [°] F;	50 ±2 %	RH
H4	NO	--	--	--	NO : 70 ±2 [°] F;		
H5	NO	--	--	--	YES: 73 ±3 [°] F;	50 ±2 %	RH

TABLE XIX (CONT.)
 Data on Conditioning and Testing Environments
 JAN-FEB, MAR-APR, MAY-JUN, 1991

Conditioning Environment					Testing Environment	
Code	Conditioned	Procedures			Are Quality Samples Tested	
	Before Testing?	Min.	Temp ^o F	R.H. %	Under Controlled Conditions	
					Of Temperature and Humidity?	
I1	NO	--	--	--	YES:	72 $\pm 2^{\circ}$ F; 50 ± 5 % RH
I2	NO	--	--	--	NO :	
I3	NO	--	--	--	NO :	
I4	NO	--	--	--	NO :	
I5	NO	--	--	--	NO :	
J1	NO	--	--	--	YES:	73 $\pm 3^{\circ}$ F; 50 ± 2 % RH
J2	NO	--	--	--	YES:	73 $\pm 4^{\circ}$ F; 50 ± 2 % RH
J3	NO	--	--	--	YES:	73 $\pm 3^{\circ}$ F; 50 ± 2 % RH
J4	NO	--	--	--	YES:	73 $\pm 4^{\circ}$ F; 50 ± 2 % RH
J5	NO	--	--	--	YES:	73 $\pm 4^{\circ}$ F; 50 ± 2 % RH
K1	NO	--	--	--	NO :	
K2	NO	--	--	--	NO :	
K3	NO	--	--	--	NO :	
K4	NO	--	--	--	NO :	
K5	NO	--	--	--	NO :	
L1	NO	--	--	--	NO :	

APPENDIX

NOTES A AND B USED IN TABULATIONS OF MILL DATA

Notes A and B used in the tables of mill data are given below; these notes define the procedure used in calculating adjusted basis weight, machine index, and C.K.P.G. index. It should be stressed that each formula is applicable only to a specific physical property of a specific grade weight of linerboard.

NOTE A: Adjusted basis weight (ABW) = reported weight (RBW) adjusted to moisture content 7.8%:

$$ABW = RBW [(100 - \text{reported moisture content, \%}) / (100 - 7.8)]$$

NOTE B: Machine index (%) =

$$[(\text{current machine average} / \text{cumulative C.K.P.G. average}) * 100]$$

Where Cumulative C.K.P.G. average =

$$[\Sigma \text{CCKPGA's for previous six periods, excluding current CCKPGA} / 6]$$

C.K.P.G. index (%) =

$$[(\text{current C.K.P.G. average} / \text{cumulative C.K.P.G. average}) * 100]$$

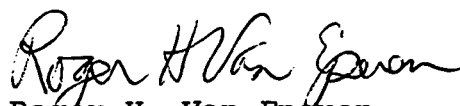
Where Current C.K.P.G. average =

$$[\Sigma \text{CMA's for current period for all machines} / \text{number of machines}]$$

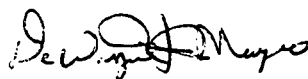
CMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given period on a specific machine.

CCKPG = current C.K.P.G. average for a specific physical property of a specific linerboard grade weight obtained during a given period.

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