

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JANUARY,
FEBRUARY, MARCH, 1980)
Project 2694-1
Report Seventy-five
A Progress Report
to
THE FOURDRINIER KRAFT BOARD GROUP
OF THE
AMERICAN PAPER INSTITUTE
May 30, 1980



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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JANUARY, FEBRUARY, MARCH, 1980)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA
(DECEMBER, 1979-MARCH, 1980)

Linerboard Grade Wt.		Moisture Content			
		December	January	February	March
26 Lb	Max. ^a	6.9	6.2	6.5	5.1
	Min. ^a	3.7	3.5	3.9	3.7
	Av. ^b	4.9 (12)	4.8 (14)	4.9 (12)	4.6 (10)
33 Lb	Max. ^a	6.3	6.7	6.7	6.6
	Min. ^a	2.1	1.9	1.7	1.4
	Av. ^b	4.9 (26)	5.0 (23)	5.1 (21)	5.2 (21)
38 Lb	Max. ^a	6.6	6.3	6.6	6.3
	Min. ^a	4.3	4.2	4.4	4.0
	Av. ^b	5.3 (21)	5.3 (17)	5.4 (19)	5.2 (18)
42 Lb	Max. ^a	6.8	6.8	6.8	7.1
	Min. ^a	3.5	3.5	3.7	3.6
	Av. ^b	5.6 (39)	5.7 (37)	5.6 (37)	5.8 (37)
69 Lb	Max. ^a	7.5	7.8	7.8	7.9
	Min. ^a	4.3	4.6	4.4	4.7
	Av. ^b	6.4 (27)	6.4 (26)	6.5 (26)	6.4 (24)
90 Lb	Max. ^a	7.7	7.4	7.2	7.3
	Min. ^a	5.8	5.3	5.9	5.2
	Av. ^b	6.6 (9)	6.3 (13)	6.4 (10)	6.4 (12)

^aCurrent machine average.

^bCurrent F.K.B.G. average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA
(DECEMBER, 1979-MARCH, 1980)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M ft ²			
		December	January	February	March
26 Lb	Max. ^a	27.4	27.4	27.1	27.2
	Min. ^a	26.1	26.0	26.1	26.3
	Av. ^b	26.6 (12)	26.5 (14)	26.6 (12)	26.5 (10)
33 Lb	Max. ^a	35.2	34.2	34.3	34.8
	Min. ^a	32.9	32.8	32.4	32.7
	Av. ^b	33.6 (26)	33.5 (23)	33.4 (21)	33.4 (21)
38 Lb	Max. ^a	39.8	39.1	39.7	39.4
	Min. ^a	38.1	37.8	37.6	38.1
	Av. ^b	38.5 (21)	38.4 (17)	38.4 (19)	38.5 (18)
42 Lb	Max. ^a	43.0	42.9	43.0	43.5
	Min. ^a	42.0	41.9	41.8	41.8
	Av. ^b	42.4 (39)	42.4 (37)	42.4 (37)	42.4 (37)
69 Lb	Max. ^a	70.3	70.2	70.2	71.7
	Min. ^a	68.7	68.6	68.5	68.6
	Av. ^b	69.4 (27)	69.4 (26)	69.4 (26)	69.6 (24)
90 Lb	Max. ^a	91.9	91.6	91.4	92.0
	Min. ^a	90.0	89.6	89.9	89.2
	Av. ^b	90.8 (9)	90.6 (13)	90.5 (10)	90.7 (12)

^aCurrent machine average.

^bCurrent F.K.B.G. average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA
(DECEMBER, 1979-MARCH, 1980)

Linerboard Grade Wt.		Caliper, pt.			
		December	January	February	March
26 Lb	Max. ^a	9.0	9.6	8.9	8.7
	Min. ^a	7.0	7.5	7.1	7.5
	Av. ^b	8.0 (12)	8.1 (14)	8.1 (12)	8.0 (10)
33 Lb	Max. ^a	10.9	11.5	11.8	10.9
	Min. ^a	8.7	8.5	8.9	8.8
	Av. ^b	9.9 (25)	10.0 (22)	10.0 (20)	10.0 (20)
38 Lb	Max. ^a	11.6	11.6	11.8	11.7
	Min. ^a	9.1	10.0	10.0	10.3
	Av. ^b	10.8 (20)	10.9 (15)	10.9 (17)	10.9 (16)
42 Lb	Max. ^a	13.8	13.4	13.4	13.3
	Min. ^a	11.0	11.0	10.4	10.6
	Av. ^b	12.1 (38)	12.0 (35)	12.0 (35)	12.0 (35)
69 Lb	Max. ^a	21.8	21.3	21.5	22.8
	Min. ^a	18.5	18.0	18.3	18.1
	Av. ^b	20.0 (26)	19.7 (24)	19.6 (24)	19.9 (23)
90 Lb	Max. ^a	27.1	27.4	26.9	27.7
	Min. ^a	23.9	24.0	23.6	23.7
	Av. ^b	25.5 (9)	25.6 (13)	25.6 (10)	25.6 (12)

^a Current machine average.

^b Current F.K.B.G. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA
 (DECEMBER, 1979-MARCH, 1980)

Linerboard Grade Wt.		Bursting Strength, psig			
		December	January	February	March
26 Lb	Max. ^a	78	80	75	74
	Min. ^a	63	62	63	65
	Av. ^b	68 (12)	70 (14)	68 (12)	69 (10)
33 Lb	Max. ^a	99	110	96	94
	Min. ^a	78	76	76	74
	Av. ^b	84 (26)	84 (23)	83 (21)	83 (21)
38 Lb	Max. ^a	105	108	105	106
	Min. ^a	87	89	90	89
	Av. ^b	97 (21)	98 (17)	96 (19)	97 (18)
42 Lb	Max. ^a	111	116	111	113
	Min. ^a	93	95	95	95
	Av. ^b	103 (39)	104 (37)	104 (37)	104 (37)
69 Lb	Max. ^a	154	153	153	148
	Min. ^a	128	132	131	129
	Av. ^b	140 (27)	140 (26)	141 (26)	140 (24)
90 Lb	Max. ^a	176	182	187	180
	Min. ^a	157	154	157	156
	Av. ^b	168 (9)	168 (13)	169 (10)	167 (12)

^aCurrent machine average.

^bCurrent F.K.B.G. average, number of machines is indicated in parentheses.

INTRODUCTION

The continuous base-line study (modified) is a compilation of monthly averages of mill test data obtained routinely on six major grade weights of linerboard manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, and bursting strength 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 month: 26, 33, 38, 42, 69, and 90 lb. At the Institute, the as-reported basis weight, corresponding to the as-reported moisture content, is adjusted to a moisture content of 7.8%. Both the as-reported and the adjusted basis weight averages are included in the report. Note that the moisture content at the as-reported basis weight (not shown in tables) does not necessarily agree with the moisture content indicated in the report as measured at the reel. This is because some mills measure their basis weight at other than reel or standard conditions. The as-reported basis weight is included in the tables for reference only and should not be used for comparison purposes.

PRESENTATION OF DATA

For the six major grade weights of linerboard referred to earlier, mill test averages for moisture content, basis weight (reported and adjusted), caliper, and bursting strength are compiled in the following tables.

Table Number	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

TABLE I
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD
JANUARY, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA		FACT. *B	IND. *C	MACHINE DATA		FACT. *B	IND. *C	MACHINE DATA		FACT. *B	IND. *C	MACHINE DATA		FACT. *B	IND. *C	MACHINE DATA		FACT. *B	IND. *C
	CUR. AV.	CUM. AV.			CUR. AV.	CUM. AV.			CUR. AV.	CUM. AV.			CUR. AV.	CUM. AV.			CUR. AV.	CUM. AV.		
A1		2.7				25.5				26.9				7.9				76		
B1		4.0				25.2				26.2				8.0				75		
D1		5.2				25.6				26.3				7.9				78		
G1		6.1				26.0				26.1				7.1				61		
H1		4.0				25.7				26.8				7.7				76		
M1		4.3				26.2				27.2				7.7				70		
P1		5.5				26.0				26.6				8.8				64		
Q1		6.7				26.0				26.1				7.1				64		
T1	4.5	5.4	83.3	93.8	25.2	25.2	100.0	96.9	26.1	25.8	101.2	98.5	8.0	7.8	102.6	98.8	80	73	109.6	114.3
V1	5.2	5.4	96.3	108.3	26.1	26.1	100.0	100.4	26.2	26.2	100.0	98.9	8.0	8.3	96.4	98.8	71	68	104.4	101.4
X1	4.2	4.5	93.3	87.5	25.5	25.8	98.8	98.1	26.5	26.7	99.2	100.0	8.0	7.9	101.3	98.8	68	69	98.6	97.1
Y1		5.9				25.8				26.3				8.6				76		
A2	3.8	3.8	100.0	79.2	26.5	26.4	100.4	101.9	26.6	26.5	100.4	100.4	8.1	7.9	102.5	100.0	71	70	101.4	101.4
B2	6.2	6.0	103.3	129.2	26.0	26.3	98.8	100.0	26.4	26.9	98.1	99.6	7.9	8.0	98.8	97.5	64	63	101.6	91.4
H2	4.1	4.1	100.0	85.4	27.3	26.7	102.2	105.0	27.4	26.8	102.2	103.4	8.4	8.0	105.0	103.7	67	68	98.5	95.7
I2	5.4	5.3	101.9	112.5	26.1	26.6	98.1	100.4	26.8	27.3	98.2	101.1	8.3	8.9	93.2	102.5	62	66	93.9	88.6
K2	3.5	3.3	106.1	72.9	25.9	26.0	99.6	99.6	26.0	26.2	99.2	98.1	8.3	7.8	106.4	102.5	76	70	108.6	108.6
Q2		4.7				25.5				26.4				7.8				69		
R2	4.6	3.9	117.9	95.8	25.7	25.5	100.8	98.8	26.6	26.6	100.0	100.4	8.3	8.6	96.5	102.5	72	78	92.3	102.8
I2	4.8	5.0	96.0	100.0	26.1	26.1	100.0	100.4	27.0	26.9	100.4	101.9	9.6	9.1	105.5	118.5	70	70	100.0	100.0
U2	4.9	5.0	98.0	102.1	25.6	25.8	99.2	98.5	26.4	26.5	99.6	99.6	7.9	8.4	94.0	97.5	72	70	102.8	102.8
W2	4.7	4.9	95.9	97.9	26.2	26.2	100.0	100.8	26.3	26.3	100.0	99.2	7.7	8.0	96.2	95.1	72	73	98.6	102.8
X2	4.9	4.9	100.0	102.1	25.6	25.6	100.0	98.5	26.4	26.4	100.0	99.6	7.9	8.1	97.5	97.5	71	69	102.9	101.4
Y2	5.8	5.8	100.0	120.8	25.9	26.0	99.6	99.6	26.0	26.1	99.6	98.1	7.5	7.7	97.4	92.6	62	62	100.0	88.6
FKBS DATA																				
CUR.																				
AV.	4.8					26.0				26.5				8.1				70		
CUM.																				
AV.	4.8					26.0				26.5				8.1				70		
IND.																				
*D	100.0					100.0				100.0				100.0				100.0		

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE II
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD
 FEBRUARY, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G				
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	
A1		2.7				25.5				26.9				7.9					76		
B1		4.0				25.2				26.2				8.0					75		
D1		5.2				25.7				26.4				7.9					80		
G1		6.0				26.0				26.1				7.0					61		
H1		3.9				25.7				26.8				7.7					74		
M1		4.3				26.1				27.2				7.6					69		
P1	4.9	5.5	89.1	102.1	26.3	26.0	101.2	101.2	27.1	26.6	101.9	102.3	8.9	8.8	101.1	109.9	65	64	101.6	92.8	
Q1	6.5	6.7	97.0	135.4	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.1	7.0	101.4	87.6	63	63	100.0	90.0	
T1		4.8				25.2				26.0				8.0					76		
V1	5.1	5.4	94.4	106.2	26.2	26.1	100.4	100.8	26.3	26.2	100.4	99.2	8.2	8.3	98.8	101.2	69	68	101.5	98.6	
X1	4.3	4.4	97.7	89.6	25.5	25.6	99.6	98.1	26.5	26.6	99.6	100.0	8.0	7.9	101.3	98.8	69	69	100.0	98.6	
Y1		5.8				25.7				26.3				8.7					76		
A2	3.9	3.8	102.6	81.2	26.3	26.4	99.6	101.2	26.4	26.5	99.6	99.6	8.1	7.9	102.5	100.0	70	71	98.6	100.0	
B2	5.9	6.0	98.3	122.9	26.1	26.2	99.6	100.4	26.6	26.8	99.2	100.4	7.9	8.0	98.8	97.5	63	63	100.0	90.0	
H2	4.4	4.1	107.3	91.7	26.8	26.8	100.0	103.1	26.9	26.9	100.0	101.5	8.0	8.1	98.8	98.8	66	68	97.0	94.3	
I2		5.3				26.5				27.2				8.8					66		
K2		3.3				26.0				26.1				7.9					71		
Q2	4.7	4.7	100.0	97.9	25.4	25.5	99.6	97.7	26.3	26.4	99.6	99.2	7.7	7.8	98.7	95.1	71	69	102.9	101.4	
R2	4.1	4.0	102.5	85.4	25.6	25.5	100.4	98.5	26.6	26.6	100.0	100.4	8.5	8.6	98.8	104.9	75	77	97.4	107.1	
T2	5.1	5.0	102.0	106.2	26.2	26.1	100.4	100.8	27.0	26.9	100.4	101.9	8.9	9.2	96.7	109.9	68	70	97.1	97.1	
U2	5.4	5.0	108.0	112.5	25.8	25.7	100.4	99.2	26.5	26.5	100.0	100.0	8.4	8.3	101.2	103.7	69	70	98.6	98.6	
W2		4.8				26.2				26.3				8.0					72		
X2	5.0	4.8	104.2	104.2	25.6	25.6	100.0	98.5	26.4	26.4	100.0	99.6	7.8	8.1	96.3	96.3	63	69	91.3	90.0	
Y2		5.8				26.0				26.1				7.7					62		
FKBG DATA																					
CUR.																					
	AV.	4.9				26.0				26.6				8.1					68		
CUM.																					
	AV.	4.8				26.0				26.5				8.1					70		
IND.																					
	*D	102.1				100.0				100.4				100.0					97.1		

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE III
AVERAGES OF ROUTINE MILL QUALITY CONTRL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD
MARCH, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.
AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	
A1		2.7				25.5				26.9				7.9				76		
B1		4.0				25.2				26.2				8.0				75		
D1		5.3				25.6				26.4				7.8				80		
G1		6.0				26.0				26.1				7.0				61		
H1		3.9				25.7				26.8				7.7				74		
M1	4.5	4.3	104.6	93.8	26.3	26.1	100.8	101.2	27.2	27.2	100.0	102.6	8.2	7.6	107.9	101.2	74	69	107.2	107.2
P1		5.2				26.2				26.8				8.8				64		
Q1		6.6				26.0				26.1				7.1				63		
T1		4.5				25.2				26.1				8.0				80		
V1	5.1	5.4	94.4	106.2	26.2	26.1	100.4	100.8	26.3	26.2	100.4	99.2	8.7	8.3	104.8	107.4	69	68	101.5	100.0
X1	4.4	4.4	100.0	91.7	25.8	25.6	100.8	99.2	26.8	26.6	100.8	101.1	8.1	8.0	101.2	100.0	65	69	94.2	94.2
Y1		5.9				25.7				26.3				8.7				75		
A2	4.4	3.8	115.8	91.7	26.3	26.4	99.6	101.2	26.4	26.5	99.6	99.6	7.5	8.0	93.8	92.6	70	70	100.0	101.4
B2		6.0				26.2				26.7				8.0				63		
H2	4.7	4.1	114.6	97.9	27.0	26.8	100.7	103.8	27.1	26.9	100.7	102.3	8.2	8.0	102.5	101.2	67	67	100.0	97.1
I2		5.3				26.5				27.2				8.8				66		
K2	3.7	3.3	112.1	77.1	26.2	26.0	100.8	100.8	26.3	26.1	100.8	99.2	8.2	7.9	103.8	101.2	73	72	101.4	105.8
Q2	4.4	4.7	93.6	91.7	25.4	25.5	99.6	97.7	26.3	26.3	100.0	99.2	7.9	7.8	101.3	97.5	70	69	101.4	101.4
R2		4.1				25.5				26.5				8.6				76		
T2		5.0				26.1				26.9				9.3				70		
U2	4.7	5.0	94.0	97.9	25.4	25.7	98.8	97.7	26.3	26.5	99.2	99.2	8.1	8.3	97.6	100.0	70	70	100.0	101.4
W2	4.7	4.9	95.9	97.9	26.2	26.2	100.0	100.8	26.3	26.3	100.0	99.2	7.7	8.0	96.2	95.1	68	72	94.4	98.6
X2	5.0	4.9	102.0	104.2	25.6	25.6	100.0	98.5	26.4	26.4	100.0	99.6	7.8	8.0	97.5	96.3	66	69	95.6	95.6
Y2		5.8				26.0				26.1				7.7				62		
FKBG DATA																				
CUR.																				
AV.	4.6				26.0				26.5				8.0				69			
CUM.																				
AV.	4.8				26.0				26.5				8.1				69			
IND.																				
*D	95.8				100.0				100.0				98.8				100.0			

NCTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IV
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.
AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	
A1		2.9				32.0				33.7				9.8				92		
B1		4.2				32.2				33.4				10.0				89		
D1	4.8	4.6	104.3	100.0	32.3	32.3	100.0	98.5	33.4	33.4	100.0	99.4	9.8	9.8	100.0	99.0	94	94	100.0	110.6
F1		4.8				33.1				33.2				9.0				83		
G1	6.7	6.2	108.1	139.6	33.4	33.2	100.6	101.8	33.5	33.2	100.9	99.7	9.0	9.3	96.8	90.9	83	83	100.0	97.6
H1	4.7	4.6	102.2	97.9	32.1	32.2	99.7	97.9	33.2	33.4	99.4	98.8	8.5	9.0	94.4	85.8	85	93	91.4	100.0
J1	5.5	5.5	100.0	114.6	33.4	33.5	99.7	101.8	33.7	33.8	99.7	100.3	9.9	9.9	100.0	100.0	83	91	91.2	97.6
L1		3.0				32.6				34.0				9.8				87		
M1	5.6	4.9	114.3	116.7	33.2	32.8	101.2	101.2	34.0	33.9	100.3	101.2	10.1	10.0	101.0	102.0	76	78	97.4	89.4
N1		5.1				32.6				33.5				9.2				88		
P1	5.6	5.8	96.6	116.7	33.4	33.5	99.7	101.8	34.2	34.2	100.0	101.8	10.9	11.0	99.1	110.1	78	78	100.0	91.8
Q1		6.1				32.7				32.8				9.6				83		
T1	5.8	5.6	103.6	120.8	32.1	32.2	99.7	97.9	32.8	33.0	99.4	97.6	9.6	9.8	98.0	97.0	83	87	95.4	97.6
V1		6.0				33.0				33.1				9.7				81		
W1	5.9	5.8	101.7	122.9	33.1	33.2	99.7	100.9	33.2	33.3	99.7	98.8					86	85	101.2	101.2
X1	4.3	4.6	93.5	89.6	32.2	32.4	99.4	98.2	33.4	33.6	99.4	99.4	9.3	9.5	97.9	93.9	85	87	97.7	100.0
Y1	4.7	5.2	90.4	97.9	32.1	32.2	99.7	97.9	33.2	33.0	100.6	98.8	11.5	9.8	117.3	116.2	110	92	119.6	129.4
A2	4.0	4.4	90.9	83.3	33.1	33.2	99.7	100.9	33.3	33.4	99.7	99.1	9.8	9.6	102.1	99.0	85	82	103.6	100.0
B2	6.3	6.2	101.6	131.2	33.7	34.0	99.1	102.7	34.2	34.5	99.1	101.8	10.1	10.2	99.0	102.0	78	78	100.0	91.8
H2	4.4	4.3	102.3	91.7	33.9	33.8	100.3	103.4	34.0	33.9	100.3	101.2	10.2	10.4	98.1	103.0	80	82	97.6	94.1
J2	1.9	2.0	95.0	39.6	32.1	32.3	99.4	97.9	34.2	34.3	99.7	101.8	11.0	10.3	106.8	111.1	86	86	100.0	101.2
K2	4.8	3.9	123.1	100.0	32.9	33.1	99.4	100.3	33.0	33.2	99.4	98.2	10.3	9.8	105.1	104.0	90	84	107.1	105.9
L2	6.3	6.1	103.3	131.2	32.4	32.5	99.7	98.8	32.9	33.0	99.7	97.9	9.3	9.5	97.9	93.9	82	84	97.6	96.5
D2		3.9				32.0				33.3				9.9				92		
P2	2.9	3.1	93.5	60.4	33.1	33.4	99.1	100.9	33.4	33.7	99.1	99.4	10.0	10.0	100.0	101.0	78	81	96.3	91.8
Q2	5.4	5.2	103.8	112.5	32.5	32.6	99.7	99.1	33.3	33.5	99.4	99.1	10.3	9.8	105.1	104.0	79	83	95.2	92.9
R2	5.3	5.0	106.0	110.4	32.5	32.5	100.0	99.1	33.4	33.4	100.0	99.4	10.8	11.2	96.4	109.1	85	91	93.4	100.0
T2	5.1	5.2	98.1	106.2	33.0	33.0	100.0	100.6	34.0	34.0	100.0	101.2	10.2	10.3	99.0	103.0	87	87	100.0	102.4
U2	5.7	5.0	114.0	118.8	32.8	32.2	101.9	100.0	33.6	33.2	101.2	100.0	10.4	10.6	98.1	105.0	86	82	104.9	101.2
W2	4.8	4.9	98.0	100.0	33.1	33.1	100.0	100.9	33.2	33.2	100.0	98.8	9.7	9.8	99.0	98.0	88	88	100.0	103.5
X2	5.0	4.8	104.2	104.2	32.6	32.5	100.3	99.4	33.6	33.5	100.3	100.0	10.5	10.2	102.9	106.1	77	80	96.2	90.6
Y2		5.9				33.0				33.1				10.1				83		
FKBG DATA																				
CUR.																				
AV.	5.0					32.8				33.5				10.0				84		
CUM.																				
AV.	4.8					32.8				33.6				9.9				85		
IND.																				
*D	104.2					100.0				99.7				101.0				98.8		

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE V
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD
FEBRUARY, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA		FACT.		MACHINE DATA		FACT.		MACHINE DATA		FACT.		MACHINE DATA		FACT.		MACHINE DATA		FACT.	
	CUR. AV.	CUM. AV.	*B	*C	CUR. AV.	CUM. AV.	*B	*C	CUR. AV.	CUM. AV.	*B	*C	CUR. AV.	CUM. AV.	*B	*C	CUR. AV.	CUM. AV.	*B	*C
A1		2.9				32.0				33.7				9.8				92		
B1		4.2				32.2				33.4				10.0				89		
D1	4.9	4.7	104.2	102.1	32.2	32.3	99.7	98.2	33.2	33.4	99.4	98.8	10.0	9.8	102.0	101.0	96	94	102.1	112.9
F1		4.8				33.1				33.2				9.0				83		
G1	6.7	6.3	106.3	139.6	33.1	33.2	99.7	100.9	33.2	33.3	99.7	98.8	8.9	9.2	96.7	89.9	82	83	98.8	96.5
H1	4.7	4.6	102.2	97.9	32.2	32.2	100.0	98.2	33.3	33.3	100.0	99.1	9.0	9.0	100.0	90.9	85	92	92.4	100.0
J1		5.5				33.4				33.8				9.9				90		
L1		3.1				32.5				33.9				9.7				88		
M1	5.4	5.0	108.0	112.5	33.0	32.9	100.3	100.6	33.9	33.9	100.0	100.9	10.5	10.0	105.0	106.1	78	78	100.0	91.8
N1		5.1				32.6				33.6				9.3				88		
P1	5.1	5.8	87.9	106.2	33.3	33.5	99.4	101.5	34.3	34.2	100.3	102.1	11.0	11.0	100.0	111.1	76	78	97.4	89.4
Q1		6.1				32.7				32.8				9.6				83		
T1	5.6	5.6	100.0	116.7	31.9	32.2	99.1	97.2	32.7	33.0	99.1	97.3	9.3	9.8	94.9	93.9	93	86	108.1	109.4
V1	5.5	6.0	91.7	114.6	33.1	33.0	100.3	100.9	33.2	33.1	100.3	98.8	9.3	9.7	95.9	93.9	83	81	102.5	97.6
W1	5.8	5.8	100.0	120.8	33.0	33.2	99.4	100.6	33.1	33.3	99.4	98.5					83	85	97.6	97.6
X1	4.4	4.6	95.6	91.7	32.3	32.4	99.7	98.5	33.5	33.5	100.0	99.7	9.4	9.5	98.9	94.9	83	87	95.4	97.6
Y1		5.1				32.1				33.1				10.4				98		
A2	4.5	4.4	102.3	93.8	33.4	33.2	100.6	101.8	33.6	33.4	100.6	100.0	10.2	9.6	106.2	103.0	83	83	100.0	97.6
B2	6.1	6.2	98.4	127.1	33.2	33.9	97.9	101.2	33.8	34.3	98.0	100.6	9.9	10.2	97.0	100.0	78	78	100.0	91.8
H2	4.6	4.3	107.0	95.8	33.4	33.8	98.8	101.8	33.5	33.9	98.8	99.7	10.2	10.4	98.1	103.0	78	81	96.3	91.8
J2	1.7	2.0	85.0	35.4	32.0	32.2	99.4	97.6	34.1	34.2	99.7	101.5	10.6	10.4	101.9	107.1	86	87	98.8	101.2
K2		4.0				33.0				33.2				9.9				85		
L2	6.4	6.1	104.9	133.3	32.6	32.5	100.3	99.4	33.1	33.0	100.3	98.5	9.3	9.5	97.9	93.9	83	84	98.8	97.6
D2		3.9				32.0				33.3				9.9				90		
P2	3.0	3.1	96.8	62.5	32.1	33.3	96.4	97.9	32.4	33.6	96.4	96.4	9.9	10.0	99.0	100.0	80	81	98.8	94.1
Q2	5.6	5.1	109.8	116.7	32.5	32.6	99.7	99.1	33.3	33.5	99.4	99.1	9.7	9.9	98.0	98.0	81	83	97.6	95.3
R2	4.9	5.0	98.0	102.1	32.6	32.5	100.3	99.4	33.6	33.4	100.6	100.0	10.4	11.1	93.7	105.0	88	90	97.8	103.5
T2	5.5	5.2	105.8	114.6	33.0	33.0	100.0	100.6	33.8	34.0	99.4	100.6	11.8	10.3	114.6	119.2	80	87	92.0	94.1
U2	5.9	5.1	115.7	122.9	32.7	32.2	101.6	99.7	33.4	33.2	100.6	99.4	10.6	10.5	101.0	107.1	83	84	98.8	97.6
W2	4.9	4.9	100.0	102.1	33.1	33.1	100.0	100.9	33.2	33.2	100.0	98.8	9.9	9.8	101.0	100.0	87	88	98.9	102.4
X2	5.2	4.9	106.1	108.3	32.7	32.5	100.6	99.7	33.6	33.5	100.3	100.0	9.8	10.2	96.1	99.0	76	80	95.0	89.4
Y2		5.9				33.0				33.1				10.1				83		
FKBG DATA																				
CUR.																				
AV.	5.1				32.7				33.4				10.0					83		
CUM.																				
AV.	4.8				32.8				33.6				9.9					85		
IND.																				
*D	106.2				99.7				99.4				101.0					97.6		

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VI
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1			2.9				32.0					33.7								92
B1			4.2				32.2					33.4								90
O1	5.7	4.7	121.3	116.3	32.4	32.2	100.6	98.8	33.1	33.3	99.4	98.8	9.9	9.8	101.0	100.0	94	94	100.0	110.6
F1			4.8				33.1					33.2								83
G1	6.4	6.3	101.6	130.6	33.1	33.2	99.7	100.9	33.2	33.3	99.7	99.1	8.8	9.0	95.6	88.9	84	83	101.2	98.8
H1			4.6				32.2					33.3								92
J1			5.5				33.5					33.8								91
L1			3.1				32.5					33.9								88
M1	5.8	5.0	116.0	118.4	33.0	32.9	100.3	100.6	33.7	33.9	99.4	100.6	10.7	10.1	105.9	108.1	80	78	102.6	94.1
N1			5.1				32.6					33.6								88
P1	5.2	5.7	91.2	106.1	33.5	33.4	100.3	102.1	34.4	34.2	100.6	102.7	10.9	11.0	99.1	110.1	75	78	96.2	88.2
Q1	6.6	6.1	108.2	134.7	33.0	32.7	100.9	100.6	33.1	32.8	100.9	98.8	9.5	9.6	99.0	96.0	83	83	100.0	97.6
T1	5.5	5.6	98.2	112.2	32.1	32.2	99.7	97.9	32.9	32.9	100.0	98.2	9.2	9.8	93.9	92.9	92	86	107.0	108.2
V1	5.7	6.0	95.0	116.3	32.9	33.0	99.7	100.3	33.0	33.1	99.7	98.5	10.0	9.7	103.1	101.0	82	81	101.2	96.5
W1	5.8	5.8	100.0	118.4	33.1	33.2	99.7	100.9	33.2	33.3	99.7	99.1					86	85	101.2	101.2
X1	4.4	4.6	95.6	89.8	32.4	32.3	100.3	98.8	33.6	33.5	100.3	100.3	9.1	9.5	95.8	91.9	82	87	94.2	96.5
Y1			5.1				32.1					33.1								98
A2	4.7	4.4	106.8	95.9	33.0	33.2	99.4	100.6	33.2	33.4	99.4	99.1	9.5	9.7	97.9	96.0	84	83	101.2	98.8
B2	5.9	6.2	95.2	120.4	32.9	33.8	97.3	100.3	33.6	33.5	97.7	100.3	9.6	10.2	94.1	97.0	74	78	94.9	87.0
H2	5.2	4.3	120.9	106.1	33.6	33.8	99.4	102.4	33.7	33.9	99.4	100.6	10.2	10.3	99.0	103.0	80	81	98.8	94.1
J2	1.4	2.0	70.0	28.6	32.6	32.2	101.2	99.4	34.8	34.3	101.8	103.9	10.6	10.4	101.9	107.1	87	87	100.0	102.4
K2	4.2	4.1	102.4	85.7	32.9	33.0	99.7	100.3	33.0	33.1	99.7	98.5	10.2	9.9	103.0	103.0	89	86	103.5	104.7
L2	6.5	6.2	104.8	132.6	32.6	32.5	100.3	99.4	33.1	33.0	100.3	98.8	9.5	9.4	101.1	96.0	81	84	96.4	95.3
O2			4.0				32.1					33.3								91
P2	2.8	3.0	93.3	57.1	32.4	33.2	97.6	98.8	32.7	33.5	97.6	97.6	10.1	10.0	101.0	102.0	78	80	97.5	91.8
Q2	5.3	5.2	101.9	108.2	32.5	32.6	99.7	99.1	33.4	33.5	99.7	99.7	9.9	9.9	100.0	100.0	82	83	98.8	96.5
R2	5.1	5.1	100.0	104.1	32.4	32.5	99.7	98.8	33.3	33.5	99.4	99.4	10.7	11.1	96.4	108.1	91	90	101.1	107.0
T2			5.2				33.0					33.9								86
U2	5.7	5.2	109.6	116.3	32.9	32.3	101.8	100.3	33.7	33.2	101.5	100.6	10.6	10.5	101.0	107.1	86	84	102.4	101.2
W2	5.1	4.9	104.1	104.1	33.1	33.1	100.0	100.9	33.2	33.2	100.0	99.1	9.8	9.8	100.0	99.0	84	88	95.4	98.8
X2	5.4	4.9	110.2	110.2	32.8	32.5	100.9	100.0	33.7	33.5	100.6	100.6	10.2	10.2	100.0	103.0	76	80	95.0	89.4
Y2			5.9				33.0					33.1								83
FKBG DATA																				
CUR.																				
AV. 5.2																				
CUM.																				
AV. 4.9																				
IND.																				
*C 106.1																				
100.0																				
99.7																				
101.0																				
97.6																				

NCTE- NCTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VII
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD
JANUARY, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.
A1			3.1				36.6				38.5				10.2				103	
B1	6.1	5.5	110.9	115.1	37.6	37.5	100.3	99.5	38.3	38.4	99.7	99.5	10.2	11.0	92.7	93.6	104	100	104.0	107.2
D1	5.4	4.8	112.5	101.9	37.3	37.2	100.3	98.7	38.3	38.4	99.7	99.5	11.4	11.2	101.8	104.6	100	99	101.0	103.1
F1	5.0	5.4	92.6	94.3	38.5	38.3	100.5	101.8	38.6	38.4	100.5	100.2		10.3			100	94	106.4	103.1
H1	5.0	5.0	100.0	94.3	37.2	37.1	100.3	98.4	38.3	38.2	100.3	99.5	10.0	10.4	96.2	91.7	95	103	92.2	97.9
I1		6.0				37.5				38.2				11.6				110		
J1	5.6	5.6	100.0	105.7	38.3	38.4	99.7	101.3	38.6	38.7	99.7	100.2	11.0	10.8	101.8	100.9	94	98	95.9	96.9
K1	5.4	6.1	88.5	101.9	37.5	38.0	98.7	99.2	38.5	38.7	99.5	100.0	11.2	11.8	94.9	102.8	93	93	100.0	95.9
M1		4.8				37.7				38.9				11.4				88		
T1	6.3	6.1	103.3	118.9	37.2	37.4	99.5	98.4	37.8	38.0	99.5	98.2	11.2	11.1	100.9	102.8	102	99	103.0	105.2
U1		4.7				39.0				39.1				11.2				96		
V1		6.5				37.9				38.0				10.8				92		
W1	5.8	5.8	100.0	109.4	38.4	38.1	100.8	101.6	38.5	38.2	100.8	100.0					94	93	101.1	96.9
X1	4.8	5.3	90.6	90.6	37.1	37.5	98.9	98.1	38.3	38.6	99.2	99.5	10.8	11.1	97.3	99.1	97	96	101.0	100.0
A2	4.2	4.8	87.5	79.2	38.2	38.2	100.0	101.0	38.4	38.4	100.0	99.7	10.8	11.0	98.2	99.1	97	94	103.2	100.0
C2	4.6	4.7	97.9	86.8	38.1	38.2	99.7	100.8	38.2	38.3	99.7	99.2	10.2	10.0	102.0	93.6	108	101	106.9	111.3
E2		4.4				37.6				38.9				9.7				96		
H2		4.6				38.9				39.0				11.4				97		
K2	4.8	4.9	98.0	90.6	38.0	38.0	100.0	100.5	38.1	38.1	100.0	99.0	11.5	11.2	102.7	105.5	107	102	104.9	110.3
Q2		5.4				37.6				38.6				11.0				97		
R2	6.0	6.0	100.0	113.2	37.7	37.7	100.0	99.7	38.5	38.4	100.3	100.0	10.4	11.4	91.2	95.4	96	103	93.2	99.0
S2	5.8	5.3	101.4	109.4	37.5	37.5	100.0	99.2	38.3	38.5	99.5	99.5	10.3	10.7	96.3	94.5	98	100	98.0	101.0
T2	5.2	5.1	102.0	98.1	38.0	38.0	100.0	100.5	39.1	39.1	100.0	101.6	11.6	11.6	100.0	106.4	100	97	103.1	103.1
W2	5.2	5.3	98.1	98.1	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.5	10.9	11.1	98.2	100.0	100	98	102.0	103.1
X2	4.7	4.9	95.9	88.7	37.8	37.3	101.3	100.0	39.1	38.5	101.6	101.6	11.5	11.6	99.1	105.5	89	92	96.7	91.8
A3		6.6				38.0				38.1				10.4				95		
FKBG DATA																				
CUR.																				
AV.	5.3				37.8				38.4				10.9				98			
CUM.																				
AV.	5.3				37.8				38.5				10.9				97			
IND.																				
*D	100.0				100.0				99.7				100.0				101.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VIII
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD
 FEBRUARY, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1			3.1				36.6				38.5									103
B1	5.9	5.6	105.4	111.3	37.6	37.5	100.3	99.5	38.4	38.4	100.0	100.0	10.2	11.0	92.7	93.6	99	101	98.0	102.1
D1	5.0	4.8	104.2	94.3	37.1	37.2	99.7	98.1	38.2	38.4	99.5	99.5	11.0	11.2	98.2	100.9	101	99	102.0	104.1
F1	5.4	5.3	101.9	101.9	38.3	38.3	100.0	101.3	38.4	38.4	100.0	100.0		10.3			96	94	102.1	99.0
H1	5.5	5.0	110.0	103.8	37.3	37.1	100.5	98.7	38.2	38.2	100.0	99.5	10.3	10.4	99.0	94.5	93	102	91.2	95.9
I1		6.0				37.5				38.2				11.6						110
J1	5.6	5.6	100.0	105.7	38.3	38.4	99.7	101.3	38.6	38.7	99.7	100.5	10.5	10.7	98.1	96.3	95	98	96.9	97.9
K1	6.0	6.0	100.0	113.2	37.5	37.9	98.9	99.2	38.2	38.6	99.0	99.5	11.0	11.7	94.0	100.9	93	93	100.0	95.9
M1		4.8				37.7				38.9				11.4						88
T1	5.3	6.1	86.9	100.0	36.9	37.4	98.7	97.6	37.9	38.0	99.7	98.7	11.2	11.1	100.9	102.8	101	99	102.0	104.1
U1	4.7	4.7	100.0	88.7	39.6	39.1	101.3	104.8	39.7	39.2	101.3	103.4	11.8	11.2	105.4	108.2	97	96	101.0	100.0
V1	6.4	6.5	98.5	120.8	38.0	37.9	100.3	100.5	38.1	38.0	100.3	99.2	10.9	10.8	100.9	100.0	95	91	104.4	97.9
W1	5.8	5.8	100.0	109.4	38.0	38.1	99.7	100.5	38.1	38.2	99.7	99.2					91	94	96.8	93.8
X1	5.0	5.2	96.2	94.3	37.4	37.4	100.0	98.9	38.5	38.5	100.0	100.3	10.9	11.0	99.1	100.0	96	96	100.0	99.0
A2	4.6	4.7	97.9	86.8	38.1	38.2	99.7	100.8	38.3	38.4	99.7	99.7	11.4	10.9	104.6	104.6	94	94	100.0	96.9
C2	4.8	4.7	102.1	90.6	38.3	38.1	100.5	101.3	38.4	38.2	100.5	100.0	10.5	10.0	105.0	96.3	105	102	102.9	108.2
E2		4.4				37.6				38.9				9.7						96
H2	4.4	4.6	95.6	83.0	38.8	38.9	99.7	102.6	38.9	39.0	99.7	101.3	11.2	11.4	98.2	102.8	93	97	95.9	95.9
K2		4.9				38.0				38.1				11.3						103
L2	6.6			124.5	37.1			98.1	37.6			97.9	11.0		100.9		91			93.8
O2		5.4				37.6				38.6				11.0						97
R2	5.8	6.0	96.7	109.4	37.7	37.7	100.0	99.7	38.5	38.5	100.0	100.3	10.4	11.3	92.0	95.4	103	102	101.0	106.2
S2	5.8	5.4	107.4	109.4	37.7	37.5	100.5	99.7	38.5	38.5	100.0	100.3	10.0	10.6	94.3	91.7	97	100	97.0	100.0
T2		5.1				38.0				39.1				11.6						98
W2	5.3	5.3	100.0	100.0	38.1	38.2	99.7	100.8	38.2	38.3	99.7	99.5	11.1	11.1	100.0	101.8	99	98	101.0	102.1
X2	5.6	4.9	114.3	105.7	37.6	37.3	100.8	99.5	38.5	38.5	100.0	100.3	11.3	11.6	97.4	103.7	90	92	97.8	92.8
A3		6.6				38.0				38.1				10.4						95
FKBG DATA																				
CUR. AV. 5.4 37.9 38.4 10.9 96																				
CUM. AV. 5.3 37.8 38.4 10.9 97																				
IND. *D 101.9 100.3 100.0 100.0 99.0																				

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IX
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD
MARCH, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.
AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	
A1		3.1				36.6				38.5				10.2				103		
B1	5.3	5.7	93.0	100.0	37.2	37.6	98.9	98.4	38.2	38.4	99.5	99.5	10.3	10.9	94.5	94.5	106	101	105.0	109.3
D1	5.4	4.8	112.5	101.9	37.3	37.1	100.5	98.7	38.3	38.3	100.0	99.7	11.3	11.2	100.9	103.7	99	99	100.0	102.1
F1	4.7	5.3	88.7	88.7	38.2	38.3	99.7	101.0	38.3	38.4	99.7	99.7	10.3	10.2			92	95	96.8	94.8
H1	5.4	5.0	108.0	101.9	37.4	37.2	100.5	98.9	38.4	38.2	100.5	100.0	10.3	10.4	99.0	94.5	97	101	96.0	100.0
I1		6.0				37.5				38.2				11.6				110		
J1	5.6	5.6	100.0	105.7	38.5	38.4	100.3	101.8	38.8	38.6	100.5	101.0	10.6	10.7	99.1	97.2	94	98	95.9	96.9
K1		6.0				37.8				38.5				11.6				93		
M1		4.8				37.7				38.9				11.4				88		
T1		6.1				37.3				38.0				11.1				99		
U1	5.1	4.7	108.5	96.2	39.3	39.2	100.2	104.0	39.4	39.3	100.2	102.6	11.3	11.2	100.9	103.7	96	96	100.0	99.0
V1	6.3	6.5	96.9	118.9	38.0	37.9	100.3	100.5	38.1	38.0	100.3	99.2	11.1	10.8	102.8	101.8	94	92	102.2	96.9
W1	5.8	5.8	100.0	109.4	38.4	38.1	100.8	101.6	38.5	38.2	100.8	100.3					96	93	103.2	99.0
X1	5.1	5.2	98.1	96.2	37.7	37.4	100.8	99.7	38.8	38.4	101.0	101.0	10.8	11.0	98.2	99.1	93	96	96.9	95.9
A2	5.2	4.7	110.6	98.1	38.1	38.2	99.7	100.8	38.3	38.4	99.7	99.7	10.5	11.0	95.4	96.3	93	94	98.9	95.9
C2	4.7	4.7	100.0	88.7	38.4	38.2	100.5	101.6	38.5	38.2	100.8	100.3	10.6	10.0	106.0	97.2	101	102	99.0	104.1
E2		4.4				37.6				38.9				9.7				96		
H2	4.9	4.6	106.5	92.4	38.8	38.8	100.0	102.6	38.9	39.0	99.7	101.3	11.1	11.3	98.2	101.8	95	96	99.0	97.9
K2	4.4	4.8	91.7	83.0	38.2	38.0	100.5	101.0	38.3	38.1	100.5	99.7	11.7	11.3	103.5	107.3	98	102	96.1	101.0
L2		6.6				37.1				37.6				11.0				91		
D2	4.0			75.5	36.7			97.1	38.2				99.5	11.0		100.9	102			105.2
Q2		5.4				37.6				38.6				11.0				97		
R2	5.0	6.0	83.3	94.3	37.2	37.8	98.4	98.4	38.3	38.5	99.5	99.7	10.3	11.2	92.0	94.5	106	102	103.9	109.3
S2		5.5				37.5				38.5				10.5				99		
T2	5.4	5.1	105.9	101.9	38.1	38.0	100.3	100.8	39.1	39.1	100.0	101.8	11.5	11.6	99.1	105.5	98	98	100.0	101.0
W2	5.1	5.3	96.2	96.2	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.3	11.1	101.8	103.7	100	98	102.0	103.1
X2	5.5	5.0	110.0	103.8	37.6	37.4	100.5	99.5	38.5	38.5	100.0	100.3	11.4	11.6	98.3	104.6	89	92	96.7	91.8
A3		6.6				38.0				38.1				10.4				95		
FKBG DATA																				
CUR.																				
AV.	5.2				38.0				38.5				10.9					97		
CUM.																				
AV.	5.3				37.8				38.4				10.9					97		
IND.																				
*D	98.1				100.5				100.3				100.0					100.0		

NCTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE X
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD
 JANUARY, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G					
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA					
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C		
A1			3.7				41.0					42.8				11.6				112		
B1	6.4	5.7	112.3	114.3	41.6	41.5	100.2	100.2	42.2	42.4	99.5	99.5	11.3	12.0	94.2	94.2	108	107	100.9	103.8		
D1	5.4	5.1	105.9	96.4	41.2	41.1	100.2	99.3	42.3	42.4	99.8	99.8	12.2	12.3	99.2	101.7	107	106	100.9	102.9		
E1			3.4				41.2					43.2				12.3				107		
F1	5.7	5.9	96.6	101.8	42.1	42.1	100.0	101.4	42.2	42.2	100.0	99.5				11.8			106	102	103.9	101.9
G1	6.4	6.4	100.0	114.3	42.3	42.0	100.7	101.9	42.4	42.1	100.7	100.0	11.4	11.6	98.3	95.0	98	101	97.0	94.2		
H1	5.3	5.1	103.9	94.6	41.1	41.1	100.0	99.0	42.2	42.3	99.8	99.5	11.3	11.6	97.4	94.2	107	108	99.1	102.9		
I1	5.9	5.9	100.0	105.4	41.4	41.6	99.5	99.8	42.3	42.4	99.8	99.8	11.6	12.0	96.7	96.7	110	112	98.2	105.8		
J1	5.7	5.7	100.0	101.8	42.3	42.4	99.8	101.9	42.7	42.8	99.8	100.7	11.5	11.8	97.4	95.8	108	109	99.1	103.8		
K1	5.5	6.3	87.3	98.2	41.5	41.8	99.3	100.0	42.5	42.5	100.0	100.2	12.3	12.5	98.4	102.5	102	102	100.0	98.1		
L1	6.0	5.7	105.3	107.1	41.7	41.6	100.2	100.5	42.5	42.5	100.0	100.2	12.6	12.0	105.0	105.0	103	104	99.0	99.0		
M1	5.8	5.0	116.0	103.6	42.0	41.7	100.7	101.2	42.9	43.0	99.8	101.2	12.5	12.4	100.8	104.2	95	96	99.0	91.3		
N1	6.3	6.0	105.0	112.5	41.7	41.6	100.2	100.5	42.4	42.3	100.2	100.0	11.7	11.6	100.9	97.5	100	103	97.1	96.2		
O1			5.2				41.6					42.8				11.2				106		
P1	5.7	5.9	96.6	101.8	41.9	42.1	99.5	101.0	42.9	42.9	100.0	101.2	13.2	13.6	97.0	110.0	98	98	100.0	94.2		
R1	6.3	6.2	101.6	112.5	41.4	41.2	100.5	99.8	42.1	41.9	100.5	99.3	11.8	12.2	96.7	98.3	103	110	93.6	99.0		
S1	6.6	6.4	103.1	117.8	41.9	42.3	99.0	101.0	42.4	43.0	98.6	100.0	12.6	12.7	99.2	105.0	99	99	100.0	95.2		
T1	6.3	6.4	98.4	112.5	41.3	41.2	100.2	99.5	42.0	41.9	100.2	99.0	12.0	12.4	96.8	100.0	116	105	110.5	111.5		
U1	5.3	5.1	103.9	94.6	42.6	42.4	100.5	102.6	42.7	42.5	100.5	100.7	12.2	12.1	100.8	101.7	104	105	99.0	100.0		
V1	6.0	6.6	90.9	107.1	42.0	41.9	100.2	101.2	42.1	42.0	100.2	99.3	11.6	11.8	98.3	96.7	110	102	107.8	105.8		
W1	5.9	5.8	101.7	105.4	41.6	42.0	99.5	100.7	41.9	42.1	99.5	98.8					103	103	100.0	99.0		
X1	5.1	5.2	98.1	91.1	41.2	41.4	99.5	99.3	42.4	42.6	99.5	100.0	12.0	12.2	98.4	100.0	104	106	98.1	100.0		
Y1			5.3				41.2					42.3				12.4				112		
Z1	5.5	5.7	96.5	98.2	41.3	41.4	99.8	99.5	42.3	42.4	99.8	99.8	11.9	11.9	100.0	99.2	109	105	103.8	104.8		
A2	4.1	4.8	85.4	73.2	42.1	42.1	100.0	101.4	42.3	42.3	100.0	99.8	12.0	11.9	100.8	100.0	105	105	100.0	101.0		
C2	4.8	4.8	100.0	85.7	42.1	42.0	100.2	101.4	42.2	42.1	100.2	99.5	11.2	11.3	99.1	93.3	110	108	101.8	105.8		
D2	5.8	5.1	113.7	103.6	41.6	41.6	100.0	100.2	42.5	42.8	99.3	100.2	12.0	12.2	98.4	100.0	95	96	99.0	91.3		
E2	5.8	5.3	109.4	103.6	41.5	41.3	100.5	100.0	42.4	42.4	100.0	100.0	11.0	10.9	100.9	91.7	107	106	100.9	102.9		
F2	4.7	4.2	111.9	83.9	42.4	42.3	100.2	102.2	42.6	42.5	100.2	100.5	12.1	12.1	100.0	100.8	105	106	99.0	101.0		
G2			5.5				42.0					42.1				12.6				107		
H2			4.8				42.4					42.5				12.3				106		
J2	5.6	5.6	100.0	100.0	41.5	41.5	100.0	100.0	42.5	42.5	100.0	100.2	13.4	12.8	104.7	111.7	103	103	100.0	99.0		
K2	5.6	5.4	103.7	100.0	42.1	42.2	99.8	101.4	42.2	42.2	100.0	99.5	12.9	12.4	104.0	107.5	107	109	98.2	102.9		
L2	6.8	6.5	104.6	121.4	41.5	41.5	100.0	100.0	42.0	42.1	99.8	99.0	11.4	12.0	95.0	95.0	98	101	97.0	94.2		
M2	6.0	6.0	100.0	107.1	42.0	41.7	100.7	101.2	42.0	41.7	100.7	99.0	11.7	12.3	95.1	97.5	106	102	103.9	101.9		
N2	5.0	5.0	100.0	89.3	41.6	41.6	100.0	100.2	42.8	42.8	100.0	100.9	11.4	11.5	99.1	95.0	108	106	101.9	103.8		
O2			4.9				40.9					42.2				12.3				108		
P2	3.5	3.6	97.2	62.5	42.0	42.3	99.3	101.2	42.4	42.7	99.3	100.0	12.9	12.8	100.8	107.5	100	99	101.0	96.2		
Q2	6.3	5.9	106.8	112.5	41.6	41.6	100.0	100.2	42.3	42.4	99.8	99.8	12.3	12.1	101.6	102.5	101	102	99.0	97.1		
R2	6.6	6.6	100.0	117.8	41.9	41.8	100.2	101.0	42.4	42.4	100.0	100.0	11.8	12.7	92.9	98.3	107	110	97.3	102.9		
S2	5.9	5.6	105.4	105.4	41.5	41.3	100.5	100.0	42.4	42.3	100.2	100.0	11.0	11.5	95.6	91.7	104	106	98.1	100.0		
V2			5.2				42.6					43.0				12.4				109		
W2	5.4	5.3	101.9	96.4	42.1	42.1	100.0	101.4	42.2	42.2	100.0	99.5	12.4	12.3	100.8	103.3	105	105	100.0	101.0		
X2	5.1	5.0	102.0	91.1	41.2	41.1	100.2	99.3	42.4	42.4	100.0	100.0	12.6	12.6	100.0	105.0	99	101	98.0	95.2		
Z2			5.0				41.6					42.8				12.0				118		
A3	6.7	6.9	97.1	119.6	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	11.3	11.5	98.3	94.2	103	103	100.0	99.0		

FKBG DATA
 CUR. AV. 5.7
 CUM. AV. 5.6
 IND. *D 101.8

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XI
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD
FEBRUARY, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		3.7				41.0				42.8				11.6				112		
B1	6.4	5.8	110.3	114.3	41.7	41.5	100.5	100.5	42.3	42.4	99.8	99.8	11.4	11.9	95.8	95.0	106	107	99.1	101.9
D1	5.3	5.1	103.9	94.6	41.5	41.1	101.0	100.0	42.6	42.4	100.5	100.5	12.2	12.3	99.2	101.7	105	106	99.0	101.0
E1		3.4				41.2				43.2				12.3				107		
F1	5.8	5.9	98.3	103.6	42.1	42.1	100.0	101.4	42.2	42.2	100.0	99.5		11.8			107	102	104.9	102.9
G1	6.3	6.4	98.4	112.5	42.0	42.0	100.0	101.2	42.1	42.2	99.8	99.3	11.3	11.6	97.4	94.2	101	101	100.0	97.1
H1	5.3	5.1	103.9	94.6	41.2	41.1	100.2	99.3	42.3	42.3	100.0	99.8	10.4	11.6	89.6	86.7	104	108	96.3	100.0
I1	6.0	5.9	101.7	107.1	41.8	41.6	100.5	100.7	42.6	42.4	100.5	100.5	12.1	11.9	101.7	100.8	108	112	96.4	103.8
J1	5.8	5.7	101.8	103.6	42.3	42.4	99.8	101.9	42.7	42.8	99.8	100.7	11.7	11.8	99.2	97.5	105	109	96.3	101.0
K1	5.8	6.3	92.1	103.6	41.5	41.8	99.3	100.0	42.4	42.5	99.8	100.0	12.2	12.5	97.6	101.7	101	102	59.0	97.1
L1	5.7	5.7	100.0	101.8	41.6	41.6	100.0	100.2	42.6	42.5	100.2	100.5	12.8	12.2	104.9	106.7	104	104	100.0	100.0
M1	5.6	5.1	109.8	100.0	41.8	41.7	100.2	100.7	42.8	43.0	99.5	100.9	12.6	12.4	101.6	105.0	95	96	99.0	91.3
N1	6.4	6.1	104.9	114.3	41.7	41.6	100.2	100.5	42.3	42.3	100.0	99.8	11.4	11.6	98.3	95.0	99	102	97.0	95.2
O1	5.4	5.2	103.8	96.4	41.6	41.6	100.0	100.2	42.7	42.8	99.8	100.7	12.2	11.2	108.9	101.7	105	106	99.0	101.0
P1	5.5	5.9	93.2	98.2	42.0	42.0	100.0	101.2	43.0	42.9	100.2	101.4	13.4	13.5	99.2	111.7	98	98	100.0	94.2
R1		6.2				41.2				41.9				12.2				109		
S1	6.2	6.4	96.9	110.7	41.9	42.3	99.0	101.0	42.6	42.9	99.3	100.5	12.8	12.8	100.0	106.7	99	99	100.0	95.2
T1	6.4	6.4	100.0	114.3	41.2	41.2	100.0	99.3	41.8	41.9	99.8	98.6	12.1	12.4	97.6	100.8	111	106	104.7	106.7
U1	5.5	5.1	107.8	98.2	42.5	42.4	100.2	102.4	42.6	42.5	100.2	100.5	12.5	12.0	104.2	104.2	104	105	59.0	100.0
V1		6.5				41.9				42.0				11.8				102		
W1	5.8	5.8	100.0	103.6	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3					103	103	100.0	99.0
X1	5.4	5.2	103.8	96.4	41.6	41.4	100.5	100.2	42.7	42.6	100.2	100.7	12.2	12.2	100.0	101.7	104	106	98.1	100.0
Y1		5.2				41.2				42.3				12.3				112		
Z1	5.3	5.6	94.6	94.6	41.4	41.4	100.0	99.8	42.5	42.3	100.5	100.2	12.1	11.8	102.5	100.8	106	106	100.0	101.9
A2	4.7	4.8	97.9	83.9	42.1	42.1	100.0	101.4	42.3	42.3	100.0	99.8	12.2	11.9	102.5	101.7	106	105	101.0	101.9
C2	4.7	4.8	97.9	83.9	42.1	42.0	100.2	101.4	42.2	42.1	100.2	99.5	11.7	11.2	104.5	97.5	109	108	100.9	104.8
D2	5.9	5.2	113.5	105.4	41.4	41.6	99.5	99.8	42.3	42.7	99.1	99.8	12.0	12.2	98.4	100.0	96	96	100.0	92.3
E2	5.9	5.3	111.3	105.4	41.5	41.3	100.5	100.0	42.4	42.4	100.0	100.0	10.8	10.9	99.1	90.0	109	106	102.8	104.8
F2	5.2	4.2	123.8	92.8	42.1	42.3	99.5	101.4	42.3	42.5	99.5	99.8	11.7	12.1	96.7	97.5	107	106	100.9	102.9
G2		5.5				42.0				42.1				12.6				107		
H2	5.6	4.8	116.7	100.0	42.8	42.4	100.9	103.1	42.9	42.5	100.9	101.2	12.3	12.3	100.0	102.5	103	106	97.2	99.0
J2	5.5	5.6	98.2	98.2	41.5	41.5	100.0	100.0	42.5	42.5	100.0	100.2	13.1	12.9	101.6	109.2	104	103	101.0	100.0
K2		5.4				42.1				42.2				12.5				109		
L2	6.8	6.5	104.6	121.4	41.6	41.5	100.2	100.2	42.1	42.1	100.0	99.3	11.6	12.0	96.7	96.7	98	101	97.0	94.2
M2	5.9	6.0	98.3	105.4	42.0	41.8	100.5	101.2	42.0	41.8	100.5	99.0	11.6	12.2	95.1	96.7	108	103	104.8	103.8
N2	5.0	5.0	100.0	89.3	41.7	41.6	100.2	100.5	43.0	42.8	100.5	101.4	11.5	11.5	100.0	95.8	107	106	100.9	102.9
O2	4.4	4.9	89.8	78.6	40.9	40.9	100.0	98.6	42.4	42.2	100.5	100.0	12.3	12.3	100.0	102.5	105	108	97.2	101.0
P2	3.7	3.6	102.8	66.1	42.3	42.3	100.0	101.9	42.7	42.7	100.0	100.7	13.0	12.8	101.6	108.3	100	99	101.0	96.2
Q2	6.3	6.0	105.0	112.5	41.6	41.6	100.0	100.2	42.3	42.4	99.8	99.8	12.2	12.1	100.8	101.7	101	102	99.0	97.1
R2	6.3	6.6	95.4	112.5	41.9	41.8	100.2	101.0	42.6	42.4	100.5	100.5	11.9	12.6	94.4	99.2	109	110	99.1	104.8
S2	6.5	5.7	114.0	116.1	41.6	41.4	100.5	100.2	42.2	42.3	99.8	99.5	11.3	11.5	98.3	94.2	102	106	96.2	98.1
V2		5.1				42.7				43.1				12.4				110		
W2	5.5	5.3	103.8	98.2	42.1	42.1	100.0	101.4	42.2	42.2	100.0	99.5	12.4	12.3	100.8	103.3	104	105	99.0	100.0
X2	5.0	5.0	100.0	89.3	41.1	41.1	100.0	99.0	42.3	42.4	99.8	99.8	12.4	12.6	98.4	103.3	99	101	98.0	95.2
Z2		5.0				41.6				42.8				12.0				118		
A3	6.6	6.8	97.0	117.8	42.1	42.0	100.2	101.4	42.2	42.1	100.2	99.5	11.3	11.5	98.3	94.2	101	103	98.0	97.1
FKBG DATA																				
CUR. AV.	5.6				41.8				42.4				12.0				104			
CUM. AV.	5.6				41.5				42.4				12.0				104			
IND. *D	100.0				100.7				100.0				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XII
 AVERAGES OF ROUTINE MILL QUALITY CONTRCL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD
 MARCH, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G						
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA						
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C			
A1			3.7				41.0					42.8								112			
B1	6.1	6.0	101.7	108.9	41.6	41.6	100.0	100.2	42.3	42.4	99.8	99.8	11.5	11.8	97.4	95.8	112	107	104.7	107.7			
D1	5.2	5.1	102.0	92.8	40.9	41.1	99.5	98.6	42.0	42.3	99.3	99.0	12.2	12.3	99.2	101.7	110	106	103.8	105.8			
E1			3.4				41.2					43.2								107			
F1	5.7	5.9	96.6	101.8	42.2	42.1	100.2	101.7	42.3	42.2	100.2	99.8					102	103	99.0	98.1			
G1	7.1	6.4	110.9	126.8	42.0	42.0	100.0	101.2	42.1	42.2	99.8	99.3	11.3	11.5	98.3	94.2	101	101	100.0	97.1			
H1			5.1				41.2					42.4								108			
I1	5.9	6.0	98.3	105.4	41.9	41.6	100.7	101.0	42.8	42.4	100.9	100.9	11.9	11.9	100.0	99.2	113	112	100.9	108.6			
J1	5.7	5.7	100.0	101.8	42.3	42.4	99.8	101.9	42.7	42.8	99.8	100.7	11.8	11.8	100.0	98.3	108	109	99.1	103.8			
K1	5.6	6.2	90.3	100.0	41.4	41.7	99.3	99.8	42.4	42.4	100.0	100.0	11.7	12.4	94.4	97.5	101	102	99.0	97.1			
L1	5.5	5.7	96.5	98.2	41.6	41.6	100.0	100.2	42.6	42.5	100.2	100.5	12.5	12.2	102.4	104.2	104	104	100.0	100.0			
M1	6.2	5.1	121.6	110.7	41.9	41.7	100.5	101.0	42.6	42.9	99.3	100.5	12.6	12.4	101.6	105.0	96	96	100.0	92.3			
N1	6.4	6.1	104.9	114.3	41.7	41.6	100.2	100.5	42.3	42.3	100.0	99.8	11.4	11.5	99.1	95.0	102	102	100.0	98.1			
O1			5.3				41.6					42.8								106			
P1	5.5	5.8	94.8	98.2	42.4	42.0	101.0	102.2	43.5	42.9	101.4	102.6	13.1	13.5	97.0	109.2	99	98	101.0	95.2			
R1			6.2				41.2					41.9								108			
S1			6.4				42.2					42.9								99			
T1	6.6	6.4	103.1	117.8	41.3	41.2	100.2	99.5	41.8	41.9	99.8	98.6	12.0	12.4	96.8	100.0	108	106	101.9	103.8			
U1	5.7	5.2	109.6	101.8	42.9	42.4	101.2	103.4	43.0	42.5	101.2	101.4	12.1	12.1	100.0	100.8	105	104	101.0	101.0			
V1	6.3	6.5	96.9	112.5	42.0	41.9	100.2	101.2	42.1	42.0	100.2	99.3	11.8	11.8	100.0	98.3	103	102	101.0	99.0			
W1	5.9	5.8	101.7	105.4	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3					103	103	100.0	99.0			
X1	5.5	5.3	103.8	98.2	41.5	41.4	100.2	100.0	42.5	42.6	99.8	100.2	12.0	12.2	98.4	100.0	104	105	99.0	100.0			
Y1			5.2				41.2					42.3								113			
Z1	5.5	5.6	98.2	98.2	41.1	41.4	99.3	99.0	42.1	42.3	99.5	99.3	11.4	11.9	95.8	95.0	107	106	100.9	102.9			
A2	5.3	4.8	110.4	94.6	42.2	42.1	100.2	101.7	42.4	42.3	100.2	100.0	11.4	11.9	95.8	95.0	107	105	101.9	102.9			
C2	4.9	4.8	102.1	87.5	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	11.7	11.3	103.5	97.5	109	108	100.9	104.8			
D2	6.0	5.2	115.4	107.1	41.7	41.5	100.5	100.5	42.5	42.6	99.8	100.2	12.5	12.1	103.3	104.2	95	96	99.0	91.3			
E2	5.6	5.3	105.7	100.0	41.4	41.3	100.2	99.8	42.4	42.4	100.0	100.0	10.6	10.9	97.2	88.3	112	106	105.7	107.7			
F2	5.7	4.3	132.6	101.8	42.2	42.3	99.8	101.7	42.4	42.5	99.8	100.0	11.6	12.1	95.9	96.7	107	106	100.9	102.9			
G2	5.6	5.6	100.0	100.0	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	13.1	12.6	104.0	109.2	101	107	94.4	97.1			
H2	5.2	5.0	104.0	92.8	42.5	42.5	100.0	102.4	42.6	42.6	100.0	100.5	12.2	12.3	99.2	101.7	105	105	100.0	101.0			
J2	5.5	5.6	98.2	98.2	41.5	41.5	100.0	100.0	42.5	42.5	100.0	100.2	13.3	12.9	103.1	110.8	102	103	99.0	98.1			
K2	6.1	5.3	115.1	108.9	42.2	42.1	100.2	101.7	42.3	42.2	100.2	99.8	12.7	12.5	101.6	105.8	105	109	96.3	101.0			
L2	7.0	6.6	106.1	125.0	41.7	41.5	100.5	100.5	42.1	42.1	100.0	99.3	12.0	11.9	100.8	100.0	97	101	96.0	93.3			
M2	5.8	6.0	96.7	103.6	41.9	41.7	100.5	101.0	41.9	41.7	100.5	98.8	11.7	12.2	95.9	97.5	105	104	101.0	101.0			
N2	5.0	5.0	100.0	89.3	41.7	41.6	100.2	100.5	43.0	42.8	100.5	101.4	11.6	11.4	101.8	96.7	105	107	98.1	101.0			
O2	4.9	4.9	100.0	87.5	40.9	40.9	100.0	98.6	42.2	42.2	100.0	99.5	11.8	12.3	95.9	98.3	110	109	100.9	105.8			
P2	3.6	3.6	100.0	64.3	42.4	42.3	100.2	102.2	42.8	42.7	100.2	100.9	13.1	12.8	102.3	109.2	100	99	101.0	96.2			
Q2	6.3	6.0	105.0	112.5	41.7	41.6	100.2	100.5	42.4	42.4	100.0	100.0	12.1	12.1	100.0	100.8	101	102	99.0	97.1			
R2	6.4	6.6	97.0	114.3	41.8	41.9	99.8	100.7	42.4	42.4	100.0	100.0	11.8	12.6	93.6	98.3	112	109	102.8	107.7			
S2	6.2	5.8	106.9	110.7	41.3	41.4	99.8	99.5	42.0	42.3	99.3	99.0	11.1	11.5	96.5	92.5	104	105	99.0	100.0			
V2			5.1				42.7					43.1								110			
W2	5.5	5.3	103.8	98.2	42.1	42.1	100.0	101.4	42.2	42.2	100.0	99.5	12.1	12.4	97.6	100.8	105	105	100.0	101.0			
X2	5.3	5.0	106.0	94.6	41.3	41.1	100.5	99.5	42.4	42.4	100.0	100.0	12.3	12.6	97.6	102.5	99	101	98.0	95.2			
Z2			5.1				41.9					43.1								117			
A3	6.8	6.8	100.0	121.4	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	11.6	11.4	101.8	96.7	102	103	99.0	98.1			
FKBG DATA																							
CUR. AV.							41.8				42.4									104			
CUM. AV.		5.8					41.5				42.4									104			
IND. *D		103.6					100.7				100.0									100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIII
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD
JANUARY, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1			3.5				67.6					70.7								158
B1			6.1				68.2					69.4								138
C1	5.5	5.6	98.2	87.3	68.1	68.2	99.8	99.3	69.8	69.8	100.0	100.6	18.2	18.8	96.8	91.4	139	139	100.0	99.3
D1	5.8	5.5	105.4	92.1	68.0	68.0	100.0	99.1	69.5	69.6	99.8	100.1	19.9	20.3	98.0	100.0	140	140	100.0	100.0
E1			4.0				67.4					70.2								140
F1	6.8	6.8	100.0	107.9	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7					19.1		145	138
I1	6.4	6.2	103.2	101.6	68.5	68.4	100.1	99.8	69.5	69.6	99.8	100.1	20.9	20.4	102.4	105.0	137	142	96.5	97.8
K1	7.4	7.6	97.4	117.5	68.7	69.1	99.4	100.1	69.0	69.2	99.7	99.4	20.3	21.7	93.5	102.0	138	138	100.0	98.6
L1	6.4	6.4	100.0	101.6	68.5	68.5	100.0	99.8	69.5	69.6	99.8	100.1	19.5	19.2	101.6	98.0	148	148	100.0	105.7
M1	6.9	6.7	103.0	109.5	68.7	68.6	100.1	100.1	69.4	69.5	99.8	100.0	20.9	19.8	105.6	105.0	134	138	97.1	95.7
R1	6.4	6.4	100.0	101.6	67.6	67.7	99.8	98.5	68.6	68.6	100.0	98.8	19.3	20.6	93.7	97.0	139	144	96.5	99.3
S1	7.2	6.6	109.1	114.3	68.9	68.6	100.4	100.4	69.4	69.5	99.8	100.0	21.3	21.6	98.6	107.0	132	132	100.0	94.3
T1	6.0	6.6	90.9	95.2	68.1	67.9	100.3	99.3	69.5	68.7	101.2	100.1	21.1	20.7	101.9	106.0	153	145	105.5	109.3
U1	6.1	6.3	96.8	96.8	69.6	69.6	100.0	101.4	69.8	69.8	100.0	100.6	19.7	19.6	100.5	99.0	137	136	100.7	97.8
W1	5.9	5.9	100.0	93.6	69.1	68.9	100.3	100.7	69.3	69.1	100.3	99.8					146	138	105.8	104.3
C2	6.2	6.4	96.9	98.4	68.9	69.0	99.8	100.4	69.1	69.2	99.8	99.6	19.0	19.1	99.5	95.5	150	141	106.4	107.1
D2	6.9	6.8	101.5	109.5	69.1	69.0	100.1	100.7	69.8	69.8	100.0	100.6	19.3	21.0	91.9	97.0	134	134	100.0	95.7
E2	6.7	6.5	103.1	106.3	68.6	68.5	100.1	100.0	69.4	69.5	99.8	100.0	18.0	18.4	97.8	90.4	138	141	97.9	98.6
F2	5.2	5.1	102.0	82.5	69.0	69.1	99.8	100.6	69.3	69.4	99.8	99.8	19.0	19.2	99.0	95.5	142	139	102.2	101.4
G2			5.6				69.0					69.2								146
M2	6.8	6.9	98.6	107.9	68.9	68.5	100.6	100.4	68.9	68.5	100.6	99.3	19.5	20.1	97.0	98.0	138	137	100.7	98.6
N2	6.9	7.1	97.2	109.5	68.2	68.4	99.7	99.4	68.9	69.0	99.8	99.3	18.7	18.7	100.0	94.0	151	149	101.3	107.8
O2			4.9				67.2					69.3								142
P2	4.6	4.6	100.0	73.0	68.2	68.3	99.8	99.4	68.8	68.9	99.8	99.1	21.0	20.8	101.0	105.5	137	139	98.6	97.8
Q2	6.3	6.4	98.4	100.0	68.6	68.6	100.0	100.0	69.7	69.7	100.0	100.4	20.7	20.5	101.0	104.0	132	137	96.4	94.3
R2	7.1	7.1	100.0	112.7	68.8	69.1	99.6	100.3	69.4	69.6	99.7	100.0	19.6	20.3	96.6	98.5	140	143	97.9	100.0
S2	7.4	6.8	108.8	117.5	68.9	68.7	100.3	100.4	69.2	69.4	99.7	99.7	18.3	18.9	96.8	92.0	143	144	99.3	102.1
V2	6.1	6.2	98.4	96.8	69.6	69.6	100.0	101.4	70.2	70.2	100.0	101.2	20.3	20.6	98.5	102.0	142	142	100.0	101.4
W2	5.6	5.8	96.6	88.9	69.3	69.2	100.1	101.0	69.5	69.4	100.1	100.1	20.4	20.0	102.0	102.5	138	141	97.9	98.6
Z2	5.5	5.7	96.5	87.3	68.2	68.3	99.8	99.4	69.9	69.9	100.0	100.7	19.9	20.0	99.5	100.0	139	143	97.2	99.3
A3	7.8	7.9	98.7	123.8	68.9	68.9	100.0	100.4	69.1	69.1	100.0	99.6	18.6	19.5	95.4	93.5	136	135	100.7	97.1
FKBG DATA																				
CUR. AV.	6.4				68.7				69.4				19.7				140			
CUM. AV.	6.3				68.6				69.4				19.9				140			
IND. *D	101.6				100.1				100.0				99.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIV
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD
 FEBRUARY, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		3.5				67.6				70.7				19.6				158		
B1	6.6	6.2	106.4	104.8	68.6	68.2	100.6	100.0	69.5	69.4	100.1	100.1	19.6	20.1	97.5	98.5	153	139	110.1	109.3
C1	5.8	5.7	101.8	92.1	68.1	68.2	99.8	99.3	69.6	69.8	99.7	100.3	18.7	18.8	99.5	94.0	140	139	100.7	100.0
D1	6.9	5.6	123.2	109.5	67.8	68.0	99.7	98.8	68.5	69.6	98.4	98.7	19.7	20.3	97.0	99.0	144	140	102.8	102.8
E1		4.0				67.4				70.2				20.3				140		
F1	7.0	6.9	101.4	111.1	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7		19.1			146	138	105.8	104.3
I1	6.5	6.2	104.8	103.2	68.8	68.4	100.6	100.3	69.8	69.6	100.3	100.6	21.5	20.5	104.9	108.0	136	141	96.4	97.1
K1	7.4	7.6	97.4	117.5	69.0	69.1	99.8	100.6	69.3	69.2	100.1	99.8	20.4	21.7	94.0	102.5	136	138	98.6	97.1
L1	6.5	6.4	101.6	103.2	68.7	68.5	100.3	100.1	69.7	69.6	100.1	100.4	20.1	19.2	104.7	101.0	149	148	100.7	106.4
N1	7.0	6.7	104.5	111.1	68.8	68.7	100.1	100.3	69.4	69.5	99.8	100.0	19.7	19.8	99.5	99.0	133	137	97.1	95.0
R1	6.5	6.4	101.6	103.2	67.9	67.7	100.3	99.0	68.9	68.6	100.4	99.3	18.8	20.5	91.7	94.5	144	144	100.0	102.8
S1	6.9	6.7	103.0	109.5	68.7	68.6	100.1	100.1	69.4	69.4	100.0	100.0	21.5	21.5	100.0	108.0	131	132	99.2	93.6
T1		6.6				67.9				68.8				20.8				145		
U1	6.7	6.3	106.3	106.3	69.9	69.6	100.4	101.9	70.1	69.8	100.4	101.0	20.0	19.6	102.0	100.5	136	136	100.0	97.1
W1	5.8	5.9	98.3	92.1	68.9	69.0	99.8	100.4	69.1	69.2	99.8	99.6					137	140	97.8	97.8
C2	6.3	6.3	100.0	100.0	69.3	69.0	100.4	101.0	69.5	69.2	100.4	100.1	19.4	19.1	101.6	97.5	150	142	105.6	107.1
D2	7.0	6.8	102.9	111.1	69.2	69.0	100.3	100.9	69.8	69.8	100.0	100.6	19.3	20.8	92.8	97.0	134	134	100.0	95.7
E2	6.8	6.5	104.6	107.9	68.7	68.5	100.3	100.1	69.5	69.5	100.0	100.1	18.3	18.8	99.4	92.0	145	141	102.8	103.6
F2	5.6	5.1	109.8	88.9	69.1	69.1	100.0	100.7	69.4	69.4	100.0	100.0	18.5	19.2	96.4	93.0	143	140	102.1	102.1
G2		5.6				69.0				69.2				20.8				146		
M2	6.6	6.9	95.6	104.8	68.9	68.5	100.6	100.4	68.9	68.5	100.6	99.3	19.1	20.0	95.5	96.0	138	137	100.7	98.6
N2	7.2	7.1	101.4	114.3	68.4	68.4	100.0	99.7	68.9	69.0	99.8	99.3	18.9	18.7	101.1	95.0	146	150	97.3	104.3
D2	4.4	4.9	89.8	69.8	67.1	67.2	99.0	97.8	69.6	69.3	100.4	100.3	20.8	20.0	104.0	104.5	141	142	99.3	100.7
P2	4.6	4.6	100.0	73.0	68.8	68.3	100.7	100.3	69.4	68.9	100.7	100.0	21.2	20.8	101.9	106.5	140	139	100.7	100.0
Q2		6.4				68.6				69.7				20.5				136		
R2	7.2	7.1	101.4	114.3	69.1	69.0	100.1	100.7	69.6	69.6	100.0	100.3	18.9	20.2	93.6	95.0	141	143	98.6	100.7
S2	7.6	6.9	110.1	120.6	69.2	68.8	100.6	100.9	69.3	69.4	99.8	99.8	18.7	18.8	99.5	94.0	139	144	96.5	99.3
V2	5.9	6.2	95.2	93.6	69.6	69.6	100.0	101.4	70.2	70.2	100.0	101.2	19.7	20.6	95.6	99.0	142	142	100.0	101.4
W2	5.9	5.7	103.5	93.6	69.3	69.2	100.1	101.0	69.5	69.4	100.1	100.1	20.3	20.0	101.5	102.0	142	141	100.7	101.4
Z2	5.6	5.7	98.2	88.9	68.3	68.3	100.0	99.6	69.9	69.9	100.0	100.7	19.9	20.0	99.5	100.0	141	143	98.6	100.7
A3	7.8	7.9	98.7	123.8	68.9	68.9	100.0	100.4	69.1	69.1	100.0	99.6	18.5	19.3	95.8	93.0	136	135	100.7	97.1
FKBG DATA																				
CUR.																				
AV.	6.5				68.8				69.4				19.6				141			
CUM.																				
AV.	6.3				68.6				69.4				19.9				140			
IND.																				
*D	103.2				100.3				100.0				98.5				100.7			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XV
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD
MARCH, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, - P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1			3.5				67.6				70.7				19.6				158	
B1			6.3				68.3				69.4				20.0				142	
C1	5.4	5.7	94.7	85.7	68.3	68.2	100.1	99.6	70.1	69.8	100.4	101.0	18.5	18.8	98.4	93.0	139	139	100.0	99.3
D1	5.9	5.6	105.4	93.6	68.6	68.0	100.9	100.0	70.0	69.6	100.6	100.9	20.3	20.2	100.5	102.0	141	140	100.7	100.7
E1		4.0					67.4					70.2			20.3				140	
F1	6.7	6.9	97.1	106.3	69.1	69.0	100.1	100.7	69.3	69.2	100.1	99.8	19.0	19.0			134	140	95.7	95.7
I1	6.4	6.2	103.2	101.6	68.8	68.4	100.6	100.3	69.8	69.6	100.3	100.6	21.1	20.6	102.4	106.0	142	141	100.7	101.4
K1	7.0	7.6	92.1	111.1	68.6	69.0	99.4	100.0	69.2	69.2	100.0	99.7	19.1	21.6	88.4	96.0	138	138	100.0	98.6
L1	6.5	6.4	101.6	103.2	68.7	68.5	100.3	100.1	69.7	69.6	100.1	100.4	19.8	19.4	102.1	99.5	146	148	98.6	104.3
N1	7.2	6.7	107.5	114.3	68.9	68.7	100.3	100.4	69.4	69.5	99.8	100.0	19.4	19.8	98.0	97.5	138	137	100.7	98.6
P1	5.5			87.3	68.1			99.3	69.8			100.6	22.0			110.6	129			92.1
R1		6.4					67.7					68.7			20.3				143	
S1		6.8					68.7					69.4			21.5				132	
T1	6.9	6.6	104.5	109.5	67.9	67.9	100.0	99.0	68.6	68.8	99.7	98.8	20.8	20.8	100.0	104.5	145	144	100.7	103.6
U1	6.9	6.3	109.5	109.5	70.4	69.6	101.1	102.6	70.6	69.8	101.1	101.7	20.3	19.8	102.5	102.0	137	136	100.7	97.8
W1		5.6					69.0					69.2							140	
C2	6.3	6.3	100.0	100.0	69.1	69.0	100.1	100.7	69.3	69.2	100.1	99.8	20.1	19.2	104.7	101.0	148	143	103.5	105.7
D2	7.2	6.5	105.9	114.3	69.3	69.1	100.3	101.0	69.8	69.8	100.0	100.6	19.6	20.6	95.1	98.5	135	134	100.7	96.4
E2	6.8	6.5	104.6	107.9	68.7	68.5	100.3	100.1	69.5	69.5	100.0	100.1	18.1	18.4	98.4	91.0	140	141	99.3	100.0
F2	5.9	5.1	115.7	93.6	69.1	69.1	100.0	100.7	69.4	69.4	100.0	100.0	18.8	19.2	97.9	94.5	141	140	100.7	100.7
G2	5.6	5.7	98.2	88.9	69.1	68.9	100.3	100.7	69.3	69.1	100.3	99.8	22.8	20.8	109.6	114.6	140	146	95.9	100.0
M2	5.9	6.9	85.5	93.6	68.9	68.6	100.4	100.4	68.9	68.6	100.4	99.3	19.7	20.0	98.5	95.0	136	137	99.3	97.1
N2	7.0	7.1	98.6	111.1	68.2	68.4	99.7	99.4	68.8	69.0	99.7	99.1	19.0	18.6	102.2	95.5	144	150	96.0	102.8
O2		4.9					67.2					69.4			20.1				142	
P2	4.7	4.6	102.2	74.6	68.5	68.4	100.1	99.8	69.1	68.9	100.3	99.6	21.2	20.9	101.4	106.5	140	139	100.7	100.0
Q2		6.4					68.6					69.7			20.5				136	
R2	7.2	7.1	101.4	114.3	69.0	69.0	100.0	100.6	69.5	69.6	99.8	100.1	19.6	20.1	97.5	98.5	143	143	100.0	102.1
S2	7.5	7.1	105.6	119.0	68.9	68.8	100.1	100.4	69.1	69.4	99.6	99.6	18.9	18.8	100.5	95.0	143	144	99.3	102.1
V2	5.6	6.1	91.8	88.9	69.6	69.6	100.0	101.4	70.2	70.2	100.0	101.2	19.8	20.5	96.6	99.5	142	142	100.0	101.4
W2	5.6	5.8	96.6	88.5	69.2	69.2	100.0	100.9	69.4	69.4	100.0	100.0	19.5	20.1	97.0	98.0	145	141	102.8	103.6
Z2	5.4	5.7	94.7	85.7	69.9	68.2	102.5	101.9	71.7	69.8	102.7	103.3	19.8	20.0	99.0	99.5	143	142	100.7	102.1
A3	7.9	7.9	100.0	125.4	68.9	68.9	100.0	100.4	69.1	69.1	100.0	99.6	20.1	19.2	104.7	101.0	134	135	99.2	95.7
FKRG DATA																				
CUR.																				
AV. 6.4																				
CUM.																				
AV. 6.3																				
IND.																				
*C 101.6																				
100.4																				
100.3																				
100.0																				
100.0																				

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVI
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD
JANUARY, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		4.3				88.4				91.8				24.8				178		
C1	6.7	6.7	100.0	106.3	89.6	89.5	100.1	100.1	90.7	90.6	100.1	100.1	24.1	24.0	100.4	93.8	162	163	99.4	95.8
D1	6.1	5.7	107.0	96.8	89.0	88.7	100.3	99.4	90.6	90.7	99.9	100.0	26.5	26.5	100.0	103.1	164	164	100.0	97.0
E1		4.0				88.4				92.0				26.3				176		
L1	6.7	6.4	104.7	106.3	90.0	89.5	100.6	100.6	91.1	90.9	100.2	100.6	26.4	25.9	101.9	102.7	173	166	104.2	102.4
N1	7.2	8.2	87.8	114.3	90.6	89.9	100.8	101.2	91.2	89.5	101.9	100.7	26.6	25.9	102.7	103.5	154	155	99.4	91.1
R1	6.4	6.5	98.5	101.6	89.6	88.6	101.1	100.1	90.9	89.8	101.2	100.3	26.4	27.6	95.6	102.7	179	181	98.9	105.9
C2	5.6	6.3	88.9	88.9	89.7	89.9	99.8	100.2	90.0	90.2	99.8	99.3	25.1	25.1	100.0	97.7	170	172	98.8	100.6
E2	5.3	6.6	80.3	84.1	88.0	89.4	98.4	98.3	90.4	90.5	99.9	99.8	24.5	24.2	101.2	95.3	168	167	100.6	99.4
F2	5.5	5.8	94.8	87.3	90.0	90.5	99.4	100.6	90.4	91.0	99.3	99.8	24.7	26.2	94.3	96.1	170	162	104.9	100.6
G2		5.6				90.0				90.4				26.6				169		
N2	6.9	7.2	95.8	109.5	89.2	89.3	99.9	99.7	90.1	89.9	100.2	99.4	24.0	24.3	98.8	93.4	182	176	103.4	107.7
O2		5.0				87.7				90.3				26.6				164		
Q2		6.6				89.6				90.8				27.0				164		
R2	7.0	7.0	100.0	111.1	90.8	90.1	100.8	101.4	91.6	91.0	100.6	101.1	26.1	25.9	100.8	101.6	167	172	97.1	98.8
S2	7.4	7.1	104.2	117.5	90.0	89.7	100.3	100.6	90.4	90.4	100.0	99.8	24.1	24.9	96.8	93.8	172	174	98.8	101.8
V2	5.8	6.4	90.6	92.1	90.6	90.5	100.1	101.2	91.4	91.3	100.1	100.9	27.4	27.2	100.7	106.6	168	170	98.8	99.4
W2		5.9				90.3				90.6				26.3				164		
Z2	5.6	5.9	94.9	88.9	87.5	89.6	97.6	97.8	89.6	91.4	98.0	98.9	26.4	26.5	99.6	102.7	159	168	94.6	94.1
FKBG DATA																				
CUR.																				
AV. 6.3																				
CUM.																				
AV. 6.3																				
IND.																				
*D 100.0																				

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVII
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD
FEBRUARY, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		4.3				88.4				91.8				24.8				178		
C1	6.5	6.6	98.5	103.2	89.2	89.5	99.7	99.7	90.4	90.6	99.8	99.8	23.6	24.0	98.3	91.5	159	163	97.5	94.1
D1	6.1	5.8	105.2	96.8	88.8	88.8	100.0	99.2	90.4	90.8	99.6	99.8	26.6	26.6	100.0	103.1	173	164	105.5	102.4
E1		4.0				88.4				92.0				26.3				176		
L1	6.5	6.4	101.6	103.2	89.8	89.6	100.2	100.3	91.1	90.9	100.2	100.6	26.9	25.9	103.9	104.3	169	167	101.2	100.0
N1		7.7				90.2				90.4				26.2				154		
R1	6.4	6.5	98.5	101.6	88.7	88.8	99.9	99.1	90.0	90.0	100.0	99.3	24.9	27.4	90.9	96.5	178	181	98.3	105.3
C2	6.8	6.2	109.7	107.9	89.9	89.9	100.0	100.4	90.2	90.2	100.0	99.6	25.5	25.2	101.2	98.8	168	173	97.1	99.4
E2	6.8	6.5	104.6	107.9	89.4	89.2	100.2	99.9	90.4	90.5	99.9	99.8	23.7	24.2	97.9	91.9	162	167	97.0	95.8
F2		5.6				90.2				90.7				25.4				166		
G2		5.6				90.0				90.3				26.7				169		
N2	7.2	7.2	100.0	114.3	89.3	89.3	100.0	99.8	89.9	89.9	100.0	99.2	24.2	24.2	100.0	93.8	187	177	105.6	110.6
O2		5.1				87.8				90.4				26.6				164		
Q2		6.6				89.6				90.8				27.0				164		
R2		7.0				90.2				91.0				26.0				171		
S2		7.2				89.8				90.4				24.8				174		
V2	6.2	6.3	98.4	98.4	90.6	90.5	100.1	101.2	91.4	91.3	100.1	100.9	26.7	27.2	98.2	103.5	171	170	100.6	101.2
W2	6.1	5.9	103.4	96.8	90.3	90.3	100.0	100.9	90.6	90.6	100.0	100.0	26.9	26.3	102.3	104.3	164	164	100.0	97.0
Z2	5.9	5.9	100.0	93.6	88.3	89.4	98.8	98.6	90.2	91.3	98.8	99.6	26.5	26.5	100.0	102.7	157	167	94.0	92.9
FKBG DATA																				
CUR.																				
AV.	6.4				89.4				90.5				25.6				169			
CUM.																				
AV.	6.3				89.5				90.6				25.8				169			
IND.																				
*D	101.6				99.9				99.9				99.2				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVIII
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD
 MARCH, 1980

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.
AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	
A1		4.3				88.4				91.8				24.8				178		
C1	6.3	6.6	95.4	100.0	89.2	89.5	99.7	99.7	90.6	90.6	100.0	100.0	23.7	24.0	98.8	92.2	156	163	95.7	92.3
D1	5.8	5.8	100.0	92.1	89.1	88.8	100.3	99.6	91.1	90.7	100.4	100.6	26.6	26.6	100.0	103.5	166	165	100.6	98.2
E1		4.0				88.4				92.0				26.3				176		
L1	6.9	6.4	107.8	109.5	90.2	89.6	100.7	100.8	91.1	91.0	100.1	100.6	25.5	26.0	98.1	99.2	167	168	99.4	98.8
N1		7.7				90.2				90.4				26.2				154		
R1	6.4	6.5	98.5	101.6	89.5	88.8	100.8	100.0	90.8	90.0	100.9	100.2	25.7	27.2	94.5	100.0	180	181	99.4	106.5
C2		6.3				89.9				90.2				25.2				172		
E2	6.3	6.5	96.9	100.0	88.9	89.3	99.6	99.3	90.3	90.5	99.8	99.7	23.7	24.1	98.3	92.2	160	167	95.8	94.7
F2		5.6				90.2				90.7				25.4				166		
G2	6.5	5.7	114.0	103.2	90.0	90.0	100.0	100.6	90.3	90.3	100.0	99.7	27.7	26.7	103.7	107.8	167	169	98.8	98.8
M2	7.3	7.2	101.4	115.9	88.8	89.3	99.4	99.2	89.2	89.9	99.2	98.4	24.8	24.2	102.5	96.5	170	178	95.5	100.6
O2		5.1				87.8				90.3				26.6				165		
Q2		6.6				89.6				90.8				27.0				164		
R2	7.3	7.0	104.3	115.9	90.8	90.2	100.7	101.4	91.3	91.0	100.3	100.8	24.8	25.9	95.8	96.5	171	173	98.8	101.2
S2	7.2	7.2	100.0	114.3	89.6	89.8	99.8	100.1	90.2	90.4	99.8	99.6	24.7	24.8	99.6	96.1	170	174	97.7	100.6
V2	5.9	6.3	93.6	93.6	90.8	90.5	100.3	101.4	91.6	91.3	100.3	101.1	26.9	27.1	99.3	104.7	169	170	99.4	100.0
W2	5.9	6.0	98.3	93.6	90.2	90.3	99.9	100.8	90.5	90.6	99.9	99.9	26.8	26.4	101.5	104.3	170	164	103.6	100.6
Z2	5.2	5.9	88.1	82.5	89.5	89.2	100.3	100.0	92.0	91.1	101.0	101.5	26.3	26.5	99.2	102.3	161	166	97.0	95.3
FKBG DATA																				
CUR.																				
AV. 6.4																				
CUM.																				
AV. 6.3																				
IND.																				
*D 101.6																				
89.7																				
90.7																				
25.6																				
167																				
89.5																				
90.6																				
25.7																				
169																				
100.2																				
100.1																				
99.6																				
98.8																				

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

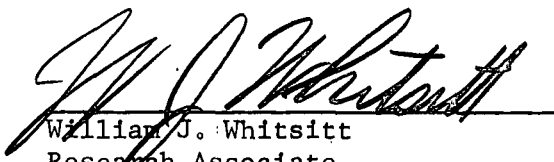
Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XIX. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and F.K.B.G. indexes are described in the Appendix.

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

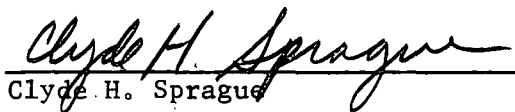
TABLE XIX
DATA ON CONDITIONING AND TESTING ENVIRONMENTS
JANUARY, FEBRUARY, MARCH, 1980

Code	Conditioning Environment			Testing Environment
	Are Quality Samples Conditioned Before Testing?	Procedure		Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
		Time	Temp., °F	
A1	No data submitted for this quarter			
B1	No	--	--	--
C1	No	--	--	--
D1	No	--	--	--
E1	No data submitted for this quarter			
F1	No	--	--	--
G1	No	--	--	--
H1	No	--	--	--
I1	No	--	--	--
J1	No	--	--	--
K1	No	--	--	--
L1	No	--	--	--
M1	No	--	--	--
N1	No	--	--	--
O1	No	--	--	--
P1	Yes	20 Min	--	--
Q1	No	--	--	--
R1	No	--	--	--
S1	Yes	10 Min	--	--
T1	Yes	15 Min	--	--
U1	No	--	--	--
V1	No	--	--	--
W1	No	--	--	--
X1	No	--	--	--
Y1	No	--	--	--
Z1	No	--	--	--
A2	No	--	--	--
B2	Yes	10 Min	--	--
C2	No	--	--	--
D2	No	--	--	--
E2	No	--	--	--
F2	No	--	--	--
G2	No	--	--	--
H2	No	--	--	--
I2	Yes	10 Min	--	--
J2	No	--	--	--
K2	Yes	15 Min	--	--
L2	No	--	--	--
M2	No	--	--	--
N2	No	--	--	--
O2	No	--	--	--
P2	No	--	--	--
Q2	No	--	--	--
R2	No	--	--	--
S2	No	--	--	--
T2	No	--	--	--
U2	No	--	--	--
V2	No	--	--	--
W2	No	--	--	--
X2	No	--	--	--
Y2	No	--	--	--
Z2	No	--	--	--
A3	No	--	--	--

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APPENDIX

NOTES A, B, C, AND D, USED IN TABULATIONS OF MILL DATA

Notes A, B, C, and D, used in the tables of mill data are given below; these notes define the procedure used in calculating adjusted basis weight, machine factor, machine index, and F.K.B.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 of 7.8%:

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

Note B: Machine factor (%) = $\left[\frac{\text{Current machine average}}{\text{Cumulative machine average}} \right] \cdot 100$ where

$$\text{Cumulative machine average} = \sum \frac{\text{CMA's}^a \text{ for previous 12 months excluding CMA for current month}}{12}$$

Note C: Machine index (%) = $\left[\frac{\text{Current machine average}}{\text{Cumulative F.K.B.G. average}} \right] \cdot 100$ where

$$\text{Cumulative F.K.B.G. average} = \sum \frac{\text{CFKBGA's}^b \text{ for previous 12 months excluding CFKBGA for current month}}{12}$$

Note D: F.K.B.G. index (%) = $\left[\frac{\text{Current F.K.B.G. average}}{\text{Cumulative F.K.B.G. average}} \right] \cdot 100$ where

$$\text{Current F.K.B.G. average} = \sum \frac{\text{CMA's}^a \text{ for current month for all machines}}{\text{Number of machines}}$$

^aCMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given month on a specific machine.

^bCFKBGA = current F.K.B.G. average for a specific physical property of a specific linerboard grade weight obtained during a given month.

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