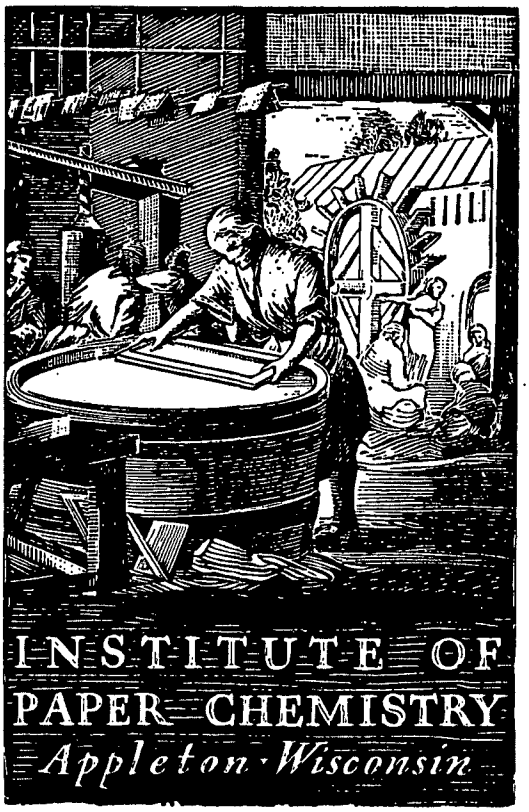


BASE-LINE

SEPTEMBER-OCTOBER, 1973

CONTINUOUS BASE-LINE STUDY (MODIFIED)

(MILL LINERBOARD DATA FOR SEPTEMBER AND OCTOBER, 1973)

Project 2694-1

Report Forty-One

A Progress Report

to

FOURDRINIER KRAFT BOARD INSTITUTE, INC.

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December 26, 1973

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 SEPTEMBER AND OCTOBER, 1973)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA (JULY-OCTOBER, 1973)

Linerboard Grade Wt.		Moisture Content			
		July	August	September	October
26 Lb.	Max.[a]	6.1	5.9	5.8	6.2
	Min.[a]	1.0	0.4	2.4	2.4
	Av.[b]	4.5 (20)	4.3 (16)	4.5 (15)	4.8 (17)
33 Lb.	Max.[a]	6.4	5.8	6.0	6.2
	Min.[a]	2.3	2.0	1.7	2.2
	Av.[b]	4.6 (21)	4.5 (23)	4.5 (24)	4.5 (25)
38 Lb.	Max.[a]	6.9	7.0	6.6	6.8
	Min.[a]	2.6	1.9	2.5	2.6
	Av.[b]	5.2 (25)	5.0 (26)	5.0 (26)	5.0 (26)
42 Lb.	Max.[a]	7.5	7.4	7.4	7.4
	Min.[a]	2.9	2.6	3.1	3.5
	Av.[b]	5.3 (41)	5.3 (42)	5.2 (42)	5.3 (40)
69 Lb.	Max.[a]	8.8	8.9	8.8	8.8
	Min.[a]	4.0	4.0	4.2	4.1
	Av.[b]	6.0 (30)	6.1 (33)	6.2 (32)	6.2 (31)
90 Lb.	Max.[a]	8.6	8.9	8.8	9.0
	Min.[a]	5.1	4.9	5.3	4.5
	Av.[b]	6.5 (18)	6.3 (22)	6.4 (17)	6.7 (16)

[a] Current machine average.
[b] Current F.K.I. average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA (JULY-OCTOBER, 1973)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M ft^2 July	August	September	October
26 Lb.	Max.[a]	27.4	27.2	27.1	26.9
	Min.[a]	25.7	25.4	25.8	25.8
	Av.[b]	26.6 (20)	26.3 (16)	26.4 (15)	26.4 (17)
33 Lb	Max.[a]	34.2	34.5	34.8	34.2
	Min.[a]	32.5	32.8	32.8	32.8
	Av.[b]	33.4 (21)	33.4 (23)	33.4 (24)	33.4 (25)
38 Lb	Max.[a]	39.5	39.5	39.5	39.0
	Min.[a]	37.6	37.8	37.9	37.8
	Av.[b]	38.4 (25)	38.5 (26)	38.5 (26)	38.4 (26)
42 Lb	Max.[a]	43.5	43.4	44.1	44.1
	Min.[a]	41.3	41.3	41.6	41.6
	Av.[b]	42.4 (41)	42.4 (42)	42.4 (42)	42.5 (40)
69 Lb	Max.[a]	70.7	70.4	71.1	70.2
	Min.[a]	67.9	67.8	67.7	67.8
	Av.[b]	69.4 (30)	69.4 (33)	69.4 (32)	69.4 (31)
90 Lb	Max.[a]	92.3	93.5	91.6	91.1
	Min.[a]	89.0	89.0	88.5	88.4
	Av.[b]	90.4 (18)	90.4 (22)	90.2 (17)	90.2 (16)

[a] Current machine average.
[b] Current F.K.I. average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA (JULY-OCTOBER, 1973)

Linerboard Grade Wt.		Caliper, pt. July	August	September	October
26 Lb	Max.[a]	9.1	8.6	8.9	8.9
	Min.[a]	7.4	7.1	7.4	7.2
	Av.[b]	8.1 (20)	8.0 (16)	8.0 (15)	7.9 (15)
33 Lb	Max.[a]	10.7	10.8	10.5	10.7
	Min.[a]	8.8	8.9	9.0	9.0
	Av.[b]	9.9 (20)	9.9 (22)	9.8 (23)	9.8 (23)
38 Lb	Max.[a]	12.0	12.1	12.3	12.0
	Min.[a]	9.7	10.1	10.1	9.9
	Av.[b]	11.0 (24)	11.0 (24)	11.1 (25)	11.0 (24)
42 Lb	Max.[a]	13.2	13.2	13.2	13.3
	Min.[a]	11.0	11.0	10.6	11.0
	Av.[b]	12.0 (40)	12.1 (41)	12.1 (41)	12.1 (38)
69 Lb	Max.[a]	21.0	21.6	21.7	21.7
	Min.[a]	17.4	17.7	18.1	17.9
	Av.[b]	19.7 (29)	19.8 (32)	19.8 (31)	19.6 (29)
90 Lb	Max.[a]	27.4	28.3	28.6	27.9
	Min.[a]	24.0	23.7	23.6	23.6
	Av.[b]	25.7 (17)	25.5 (21)	25.6 (16)	25.6 (16)

[a] Current machine average.
[b] Current F.K.I. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA (JULY-OCTOBER, 1973)

Linerboard Grade Wt.		Bursting Strength, psig			
		July	August	September	October
26 Lb	Max.[a]	79	81	83	87
	Min.[a]	60	64	65	64
	Av.[b]	69 (20)	72 (16)	71 (15)	72 (17)
33 Lb	Max.[a]	97	102	100	96
	Min.[a]	78	79	78	78
	Av.[b]	86 (21)	87 (23)	86 (24)	85 (25)
38 Lb	Max.[a]	114	114	109	115
	Min.[a]	87	84	68	87
	Av.[b]	97 (25)	97 (26)	94 (26)	97 (26)
42 Lb	Max.[a]	121	122	123	116
	Min.[a]	97	90	87	97
	Av.[b]	105 (41)	105 (42)	104 (42)	104 (40)
69 Lb	Max.[a]	160	157	153	156
	Min.[a]	133	133	127	132
	Av.[b]	144 (30)	142 (33)	140 (32)	141 (31)
90 Lb	Max.[a]	184	185	187	178
	Min.[a]	156	146	150	155
	Av.[b]	169 (18)	170 (22)	170 (17)	168 (16)

[a] Current machine average.
[b] Current F.K.I. 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.I., Inc. 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.

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	Mill Test Averages on 26-lb Linerboard
III - IV	Mill Test Averages on 33-lb Linerboard
V - VI	Mill Test Averages on 38-lb Linerboard
VII - VIII	Mill Test Averages on 42-lb Linerboard
IX - X	Mill Test Averages on 69-lb Linerboard
XI - XII	Mill Test Averages on 90-lb Linerboard

TABLE I

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB. FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1973

	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			
CODE	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	5.2	5.2	100.0	118.2	25.3	25.4	99.6	98.1	26.0	26.2	99.2	97.7	8.0	7.8	102.6	101.3	67	68	98.5	94.4
B1		5.1				25.8				26.5				8.3				85		
C1	4.3	4.4	97.7	97.7	26.1	26.0	100.4	101.2	27.1	27.0	100.4	101.9	7.8	7.6	102.6	98.7	74	72	102.8	104.2
F1		1.0				25.0				26.9				8.2				62		
I1	5.0	5.2	96.2	113.6	25.4	26.4	96.2	98.4	26.2	27.2	96.3	98.5	7.7	8.1	95.1	97.5	71	68	104.4	100.0
K1	5.4	5.8	93.1	122.7	25.9	26.0	99.6	100.4	26.6	26.6	100.0	100.0	8.3	8.4	98.8	105.1	81	80	101.2	114.1
L1		4.5				25.7				26.6				8.0				66		
M1	3.8	3.9	97.4	86.4	26.0	26.1	99.6	100.8	26.1	26.2	99.6	98.1	8.1	8.0	101.2	102.5	83	74	112.2	116.9
N1		5.7				26.8				27.4				8.9				72		
Q1		0.5				24.5				26.4				8.0				66		
S1	4.6	4.6	100.0	104.5	26.5	26.6	99.6	102.7	26.9	27.0	99.6	101.1	7.5	7.5	100.0	94.9	67	68	98.5	94.4
U1		6.0				26.5				26.6								69		
V1		4.2				26.1				27.1				7.6				75		
W1		5.4				26.1				26.7				7.5				70		
Z1	3.0	3.3	90.9	68.2	26.2	26.2	100.0	101.6	26.3	26.8	98.1	98.9	8.9	8.6	103.5	112.6	66	67	98.5	93.0
B2	4.6	4.7	97.9	104.5	25.5	25.6	99.6	98.8	26.4	26.5	99.6	99.2	7.4	7.5	98.7	93.7	70	72	97.2	98.6
E2	5.3	5.1	103.9	120.4	25.7	25.8	99.6	99.6	25.8	25.9	99.6	97.0	8.0	7.8	102.6	101.3	75	77	97.4	105.6
F2		4.0				26.5				26.6				8.8				79		
G2		3.0				25.0				26.3				7.5				82		
H2	4.8	5.4	88.9	109.1	25.6	25.7	99.6	99.2	26.4	26.4	100.0	99.2	7.7	7.8	98.7	97.5	66	67	98.5	93.0
I2		4.8				25.6				26.4				7.6				72		
J2	4.9	5.2	94.2	111.4	26.3	26.6	98.9	101.9	26.4	26.6	99.2	99.2	7.9	8.1	97.5	100.0	65	72	90.3	91.5
L2	3.9	3.8	102.6	88.6	25.2	25.0	100.8	97.7	26.3	26.1	100.8	98.9	7.4	7.6	97.4	93.7	73	77	94.8	102.8
M2		3.4				26.0				27.3				7.8				68		
Q2		6.1				26.3				26.4								67		
T2		5.5				25.2				25.4				7.1				78		
U2		3.0				25.4				26.8				7.6				66		
Y2		1.6				25.2				26.9				7.2				76		
Z2	4.6	5.8	79.3	104.5	25.9	26.2	98.8	100.4	26.8	26.8	100.0	100.8	8.9	8.8	101.1	112.6	66	69	95.6	93.0
A3		5.9				26.4				26.5				8.6				65		
B3	2.4	2.7	88.9	54.5	24.8	25.8	96.1	96.1	26.3	26.6	98.9	98.9	8.5	8.3	102.4	107.6	74	73	101.4	104.2
C3	5.8	5.8	100.0	131.8	25.8	25.7	100.4	100.0	26.4	26.3	100.4	99.2	7.4	7.7	96.1	93.7	65	66	98.5	91.5
FKI DATA																				
CUR. AV.	4.5				25.7				26.4				8.0				71			
CUM. AV.	4.4				25.8				26.6				7.9				71			
IND. *D	102.3				99.6				99.2				101.3				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

OCTOBER, 1973

	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		
CODE	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	5.2	5.2	100.0	115.6	25.5	25.4	100.4	98.8	26.2	26.1	100.4	98.5	7.7	7.9	97.5	97.5	68	68	100.0	95.8
B1		5.1				25.8				26.5				8.3				85		
C1	4.7	4.4	106.8	104.4	25.9	26.0	99.6	100.4	26.8	27.0	99.2	100.8	7.7	7.7	100.0	97.5	72	72	100.0	101.4
F1		1.0				25.3				27.2				8.5				60		
I1	4.7	5.2	90.4	104.4	25.5	26.4	96.6	98.8	26.4	27.1	97.4	99.2	7.5	8.1	92.6	94.9	69	68	101.5	97.2
K1	5.7	5.8	98.3	126.7	26.0	26.0	100.0	100.8	26.6	26.6	100.0	100.0	8.2	8.4	97.6	103.8	74	80	92.5	104.2
L1		4.5				25.7				26.6				8.0				66		
M1	4.0	3.9	102.6	88.9	26.8	26.1	102.7	103.9	26.9	26.2	102.7	101.1	7.8	8.0	97.5	98.7	87	76	114.5	122.5
N1		5.7				26.8				27.4				8.9				72		
Q1		0.5				24.5				26.4				7.9				66		
S1		4.6				26.6				27.0				7.5				67		
U1		6.0				26.5				26.6								69		
V1		4.3				26.1				27.0				7.6				75		
W1		5.4				26.1				26.8				7.6				69		
Z1	5.1	3.2	159.4	113.3	26.5	26.2	101.1	102.7	26.6	26.7	99.6	100.0	8.9	8.6	103.5	112.6	67	66	101.5	94.4
B2	4.7	4.7	100.0	104.4	25.6	25.6	100.0	99.2	26.5	26.5	100.0	99.6	7.5	7.5	100.0	94.9	69	72	95.8	97.2
E2	5.3	5.1	103.9	117.8	25.7	25.8	99.6	99.6	25.8	25.9	99.6	97.0	8.1	7.8	103.8	102.5	74	77	96.1	104.2
F2		4.0				26.6				26.6				8.6				78		
G2	2.4	3.0	80.0	53.3	25.0	25.0	100.0	96.9	26.5	26.3	100.8	99.6	7.6	7.5	101.3	96.2	81	82	98.8	114.1
H2	4.1	5.4	75.9	91.1	25.5	25.7	99.2	98.8	26.5	26.4	100.4	99.6	7.4	7.8	94.9	93.7	66	66	100.0	93.0
I2		4.8				25.6				26.4				7.6				72		
J2	5.3	5.1	103.9	117.8	26.3	26.5	99.2	101.9	26.4	26.6	99.2	99.2	8.7	8.1	107.4	110.1	70	71	98.6	98.6
L2	3.7	3.8	97.4	82.2	25.0	25.0	100.0	96.9	26.1	26.1	100.0	98.1	7.7	7.6	101.3	97.5	75	77	97.4	105.6
M2		3.4				26.0				27.3				7.8				68		
Q2	6.2	6.2	100.0	137.8	26.0	26.2	99.2	100.8	26.1	26.3	99.2	98.1					66	67	98.5	93.0
T2	5.5	5.5	100.0	122.2	26.0	25.2	103.2	100.8	26.2	25.4	103.1	98.5	7.2	7.1	101.4	91.1	80	78	102.6	112.7
U2		3.0				25.4				26.8				7.6				66		
Y2		1.7				25.1				26.7				7.2				75		
Z2	5.5	5.6	98.2	122.2	25.9	26.2	98.8	100.4	26.5	26.8	98.9	99.6	8.9	8.8	101.1	112.6	64	69	92.8	90.1
A3		5.9				26.4				26.5				8.6				65		
B3	3.2	2.7	118.5	71.1	25.0	25.5	98.0	96.9	26.2	26.6	98.5	98.5		8.3			70	73	95.9	98.6
C3	6.0	5.8	103.4	133.3	25.6	25.8	99.2	99.2	26.1	26.3	99.2	98.1	7.4	7.6	97.4	93.7	66	66	100.0	93.0
FKI DATA																				
CUR. AV.	4.8				25.8				26.4				7.9				72			
CUM. AV.	4.5				25.8				26.6				7.9				71			
IND. *D	106.7				100.0				99.2				100.0				101.4			

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

TABLE III

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

SEPTEMBER, 1973

	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			
CODE	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	4.9	5.0	98.0	108.9	32.7	32.1	101.9	100.0	33.7	33.1	101.8	100.6	10.3	9.2	112.0	105.1	84	86	97.7	96.6
B1		4.9				31.9				32.9				9.3				100		
C1	5.0	4.8	104.2	111.1	32.6	32.9	99.1	99.7	33.6	33.9	99.1	100.3	9.4	9.4	100.0	95.9	87	86	101.2	100.0
D1	4.4	4.3	102.3	97.8	33.0	33.3	99.1	100.9	33.3	33.6	99.1	99.4	9.7	9.7	100.0	99.0	78	78	100.0	89.6
F1		4.6				32.3				33.4				9.6				84		
G1		4.0				33.2				34.6				10.2				84		
H1	3.6	3.5	102.8	80.0	32.4	32.8	98.8	99.1	33.9	33.7	100.6	101.2	9.6	9.5	101.0	98.0	84	91	92.3	96.6
I1	4.8	5.4	88.9	106.7	31.8	33.1	96.1	97.2	32.8	33.9	96.8	97.9	9.7	9.8	99.0	99.0	80	80	100.0	92.0
J1		5.1				33.1				33.2				10.5				88		
K1		6.4				33.0				33.5				10.6				94		
L1	4.9	4.4	111.4	108.9	33.8	32.7	103.4	103.4	34.8	33.8	103.0	103.9	10.1	9.8	103.1	103.1	80	81	98.8	92.0
M1	5.0	4.6	108.7	111.1	33.3	33.2	100.3	101.8	33.4	33.3	100.3	99.7	9.6	9.7	99.0	98.0	99	92	107.6	113.8
N1	5.7	5.7	100.0	126.7	33.5	33.2	100.9	102.4	34.3	34.0	100.9	102.4	10.4	10.3	101.0	106.1	88	88	100.0	101.1
Q1	2.2	2.7	81.5	48.9	31.5	31.7	99.4	96.3	33.4	33.4	100.0	99.7	9.9	10.2	97.0	101.0	91	86	105.8	104.6
S1		4.6				33.5				34.0				9.3				87		
U1	5.9	5.8	101.7	131.1	33.4	33.3	100.3	102.1	33.5	33.4	100.3	100.0					83	85	97.6	95.4
W1		5.6				32.7				33.5				9.5				83		
Z1	3.5	3.4	102.9	77.8	33.2	32.6	101.8	101.5	33.4	33.5	99.7	99.7	10.5	10.6	99.0	107.1	78	79	98.7	89.6
B2	4.7	4.7	100.0	104.4	32.4	32.5	99.7	99.1	33.5	33.6	99.7	100.0	9.8	9.8	100.0	100.0	84	84	100.0	96.6
E2	5.4	5.3	101.9	120.0	32.8	32.6	100.6	100.3	33.0	32.8	100.6	98.5	10.0	9.9	101.0	102.0	94	92	102.2	108.0
F2	3.6	4.0	90.0	80.0	32.8	33.3	98.5	100.3	33.0	33.6	98.2	98.5	10.3	10.0	103.0	105.1	88	95	92.6	101.1
G2		4.4				32.2				33.4				9.4				98		
H2	5.2	5.6	92.8	115.6	32.5	32.6	99.7	99.4	33.4	33.4	100.0	99.7	9.7	10.2	95.1	99.0	79	81	97.5	90.8
I2	5.2	5.5	94.5	115.6	32.9	32.7	100.6	100.6	33.8	33.5	100.9	100.9	10.0	10.1	99.0	102.0	82	84	97.6	94.2
J2	4.9	4.7	104.2	108.9	33.0	33.1	99.7	100.9	33.1	33.2	99.7	98.8	9.9	9.8	101.0	101.0	81	87	93.1	93.1
L2	4.7	4.0	117.5	104.4	31.9	31.7	100.6	97.6	33.0	33.1	99.7	98.5	9.0	8.9	101.1	91.8	90	95	94.7	103.4
M2		3.4				32.3				33.8				9.6				82		
O2	3.9	4.0	97.5	86.7	33.2	33.4	99.4	101.5	33.3	33.6	99.1	99.4	10.3	10.2	101.0	105.1	93	94	98.9	106.9
T2	5.3	5.6	94.6	117.8	32.7	32.8	99.7	100.0	33.0	33.0	100.0	98.5	9.1	9.3	97.8	92.8	100	100	100.0	114.9
U2	5.3	3.9	135.9	117.8	32.4	32.5	99.7	99.1	33.3	33.8	98.5	99.4	9.2	9.3	98.9	93.9	83	85	97.6	95.4
Y2	1.7	2.3	73.9	37.8	31.2	31.4	99.4	95.4	33.3	33.3	100.0	99.4	9.2	9.2	100.0	93.9	83	88	94.3	95.4
Z2		5.3				33.3				34.2				10.7				80		
A3		5.6				33.2				33.2				10.4				80		
B3	1.7	2.5	68.0	37.8	31.7	32.3	98.1	96.9	33.8	33.6	100.6	100.9	9.7	10.0	97.0	99.0	86	88	97.7	98.8
C3	6.0	5.8	103.4	133.3	32.6	32.8	99.4	99.7	33.3	33.6	99.1	99.4	9.2	9.6	95.8	93.9	81	80	101.2	93.1
FKI DATA																				
CUR. AV.	4.5				32.6				33.4				9.8				86			
CUM. AV.	4.5				32.7				33.5				9.8				87			
IND. *D	100.0				99.7				99.7				100.0				98.8			

NOTE- 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

OCTOBER, 1973

	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			
CODE	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		5.0				32.4				33.4				9.8				86		
B1		4.9				31.9				32.9				9.3				100		
C1	5.0	4.8	104.2	111.1	32.9	32.8	100.3	100.6	33.9	33.9	100.0	101.2	9.3	9.4	98.9	94.9	88	86	102.3	101.1
D1	4.3	4.2	102.4	95.6	33.0	33.3	99.1	100.9	33.3	33.6	99.1	99.4	9.8	9.7	101.0	100.0	79	78	101.3	90.8
F1		4.5				32.3				33.4				9.4				85		
G1		4.0				33.2				34.6				10.2				84		
H1	2.3	3.6	63.9	51.1	31.5	32.8	96.0	96.3	33.4	33.8	98.8	99.7	9.5	9.5	100.0	96.9	84	90	93.3	96.6
I1	4.9	5.4	90.7	108.9	31.8	33.0	96.4	97.2	32.8	33.8	97.0	97.9	9.2	9.8	93.9	93.9	78	80	97.5	89.6
J1	5.1	5.1	100.0	113.3	33.2	33.1	100.3	101.5	33.3	33.2	100.3	99.4	9.8	10.5	93.3	100.0	88	88	100.0	101.1
K1		6.4				33.0				33.5				10.6				94		
L1	5.0	4.5	111.1	111.1	33.2	32.8	101.2	101.5	34.2	34.0	100.6	102.1	10.3	9.8	105.1	105.1	78	81	96.3	89.6
M1	4.7	4.7	100.0	104.4	33.1	33.2	99.7	101.2	33.2	33.3	99.7	99.1	9.6	9.6	100.0	98.0	95	93	102.2	109.2
N1		5.7				33.3				34.1				10.3				88		
Q1	3.1	2.6	119.2	68.9	31.8	31.6	100.6	97.2	33.4	33.4	100.0	99.7	9.9	10.2	97.0	101.0	86	86	100.0	98.8
S1		4.6				33.5				34.0				9.3				87		
U1	6.0	5.8	103.4	133.3	33.1	33.3	99.4	101.2	33.2	33.4	99.4	99.1					84	85	98.8	96.6
W1		5.6				32.8				33.6				9.6				82		
Z1	5.2	3.4	152.9	115.6	33.2	32.7	101.5	101.5	33.4	33.5	99.7	99.7	10.7	10.5	101.9	109.2	78	79	98.7	89.6
B2	4.9	4.7	104.2	108.9	32.5	32.5	100.0	99.4	33.5	33.6	99.7	100.0	9.8	9.8	100.0	100.0	83	84	98.8	95.4
E2	5.6	5.3	105.7	124.4	32.7	32.7	100.0	100.0	32.9	32.9	100.0	98.2	9.5	9.9	96.0	96.9	96	92	104.3	110.3
F2	4.2	4.0	105.0	93.3	33.1	33.2	99.7	101.2	33.3	33.5	99.4	99.4	10.0	10.1	99.0	102.0	94	94	100.0	108.0
G2	2.9	4.3	67.4	64.4	31.9	32.2	99.1	97.6	33.6	33.4	100.6	100.3	9.6	9.4	102.1	98.0	95	97	97.9	109.2
H2	4.6	5.5	83.6	102.2	32.3	32.6	99.1	98.8	33.4	33.4	100.0	99.7	10.0	10.2	98.0	102.0	80	81	98.8	92.0
I2	5.1	5.4	94.4	113.3	32.9	32.7	100.6	100.6	33.9	33.5	101.2	101.2	10.2	10.0	102.0	104.1	83	84	98.8	95.4
J2	5.3	4.8	110.4	117.8	32.8	33.1	99.1	100.3	32.9	33.2	99.1	98.2	10.1	9.9	102.0	103.1	81	86	94.2	93.1
L2	4.4	4.0	110.0	97.8	31.9	31.8	100.3	97.6	33.1	33.1	100.0	98.8	9.1	8.9	102.2	92.8	91	95	95.8	104.6
M2		3.4				32.3				33.8				9.6				82		
O2	4.5	4.0	112.5	100.0	33.2	33.4	99.4	101.5	33.3	33.6	99.1	99.4	10.3	10.2	101.0	105.1	93	93	100.0	106.9
T2		5.4				32.8				33.0				9.2				100		
U2	4.6	4.1	112.2	102.2	32.8	32.5	100.9	100.3	33.9	33.8	100.3	101.2	9.5	9.3	102.2	96.9	84	85	98.8	96.6
Y2	2.3	2.4	95.8	51.1	31.3	31.4	99.7	95.7	33.2	33.3	99.7	99.1	9.0	9.2	97.8	91.8	81	87	93.1	93.1
Z2		5.3				33.3				34.2				10.7				80		
A3		5.7				33.2				33.3				10.3				80		
B3	2.2	2.4	91.7	48.9	31.6	32.0	98.8	96.6	33.5	33.7	99.4	100.0		10.0			86	87	98.8	98.8
C3	5.9	5.8	101.7	131.1	32.4	32.8	98.8	99.1	33.1	33.5	98.8	98.8	9.1	9.5	95.8	92.8	82	80	102.5	94.2
D3	6.2			137.8	33.0			100.9	33.2			99.1	10.1			103.1	88			101.1
E3	4.9			108.9	32.6			99.7	33.6			100.3	10.2			104.1	80			92.0
FKI DATA																				
CUR. AV.	4.5				32.6				33.4				9.8				85			
CUM. AV.	4.5				32.7				33.5				9.8				87			
IND. *D	100.0				99.7				99.7				100.0				97.7			

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

TABLE V

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB. FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1973

	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			
CODE	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
B1		4.8				36.9				38.1				10.7				110		
C1	5.8	5.8	100.0	116.0	37.7	37.9	99.5	99.7	38.5	38.7	99.5	99.7	10.4	10.8	96.3	95.4	101	98	103.1	104.1
E1		4.6				37.8				39.2				10.7				96		
G1	2.5	3.7	67.6	50.0	36.4	37.1	98.1	96.3	38.5	38.7	99.5	99.7	11.9	11.7	101.7	109.2	93	94	98.9	95.9
H1		5.2				38.0				39.1				10.5				104		
I1		5.9				38.5				39.3				11.2				96		
J1		5.1				38.0				38.1				11.4				96		
K1		7.0				37.9				38.2				10.9				99		
M1	5.4	4.3	125.6	108.0	38.0	38.2	99.5	100.5	38.1	38.3	99.5	98.7	11.1	10.9	101.8	101.8	109	102	106.9	112.4
N1	6.1	5.9	103.4	122.0	38.8	38.5	100.8	102.6	39.5	39.3	100.5	102.3	11.6	11.6	100.0	106.4	99	97	102.1	102.1
T1	5.5	5.6	98.2	110.0	37.8	38.3	98.7	100.0	37.9	38.4	98.7	98.2	10.1	10.1	100.0	92.7	96	100	96.0	99.0
U1	5.8	5.6	103.6	116.0	38.3	38.3	100.0	101.3	38.4	38.4	100.0	99.5					92	94	97.9	94.8
V1	4.7	6.0	78.3	94.0	37.4	38.2	97.9	98.9	38.7	38.9	99.5	100.2	11.0	11.2	98.2	100.9	88	94	93.6	90.7
X1	6.2	6.5	95.4	124.0	37.5	37.6	99.7	99.2	38.1	38.1	100.0	98.7	10.6	10.7	99.1	97.2	89	87	102.3	91.8
Y1	6.0	6.9	87.0	120.0	37.8	37.8	100.0	100.0	38.6	38.2	101.0	100.0	11.6	10.6	109.4	106.4	99	98	101.0	102.1
Z1	3.8	4.4	86.4	76.0	38.2	37.5	101.9	101.0	38.4	38.2	100.5	99.5	11.5	11.1	103.6	105.5	89	91	97.8	91.8
A2		5.2				38.3				39.4				11.1				99		
B2	4.7	4.7	100.0	94.0	37.4	37.5	99.7	98.9	38.7	38.8	99.7	100.2	11.3	11.2	100.9	103.7	94	94	100.0	96.9
E2	5.7	5.8	98.3	114.0	37.7	37.6	100.3	99.7	37.9	37.8	100.3	98.2	11.6	11.4	101.8	106.4	105	100	105.0	108.2
F2	4.2	4.3	97.7	84.0	38.2	38.2	100.0	101.0	38.4	38.5	99.7	99.5	11.9	11.2	106.2	109.2	97	101	96.0	100.0
G2		5.3				37.4				38.4				10.0				110		
H2	5.0	5.1	98.0	100.0	37.4	37.4	100.0	98.9	38.5	38.5	100.0	99.7	11.3	11.8	95.8	103.7	90	91	98.9	92.8
I2	6.6	6.6	100.0	132.0	38.1	37.8	100.8	100.8	38.6	38.3	100.8	100.0	11.5	11.5	100.0	105.5	90	92	97.8	92.8
J2	4.8	4.8	100.0	96.0	38.7	38.1	101.6	102.4	38.8	38.2	101.6	100.5	11.7	10.8	108.3	107.3	92	98	93.9	94.8
L2	4.3	4.2	102.4	86.0	36.6	36.6	100.0	96.8	38.0	38.0	100.0	98.4	10.8	10.0	108.0	99.1	95	105	90.5	97.9
M2	3.9	3.7	105.4	78.0	36.8	37.2	98.9	97.4	38.3	38.9	98.4	99.2	10.4	10.8	96.3	95.4	68	91	74.7	70.1
N2		5.4				37.4				38.4				10.4				113		
O2	4.7	4.7	100.0	94.0	38.3	38.4	99.7	101.3	38.4	38.6	99.5	99.5	11.4	11.6	98.3	104.6	102	101	101.0	105.2
P2	5.1	5.2	98.1	102.0	38.2	38.4	99.5	101.0	39.3	39.5	99.5	101.8	10.2	10.3	99.0	93.6	88	93	94.6	90.7
R2	5.5	5.8	94.8	110.0	38.3	37.6	101.9	101.3	39.3	38.5	102.1	101.8	12.3	11.1	110.8	112.8	94	94	100.0	96.9
U2	5.1	4.2	121.4	102.0	37.9	37.4	101.3	100.3	39.0	38.9	100.2	101.0	11.1	10.5	105.7	101.8	97	97	100.0	100.0
W2	4.0	4.7	85.1	80.0	38.4	37.5	102.4	101.6	38.5	38.3	100.5	99.7	11.3	10.5	107.6	103.7	102	102	100.0	105.2
X2	5.2	5.5	94.5	104.0	37.8	38.2	99.0	100.0	38.9	39.2	99.2	100.8	10.3	10.8	95.4	94.5	97	102	95.1	100.0
Y2	3.1	3.6	86.1	62.0	36.3	36.6	99.2	96.0	38.2	38.2	100.0	99.0	10.6	10.8	98.1	97.2	92	98	93.9	94.8
A3	6.0	5.4	111.1	120.0	38.2	38.4	99.5	101.0	38.3	38.6	99.2	99.2	11.0	10.8	101.8	100.9	98	97	101.0	101.0
B3		2.6				37.3				39.4				11.0				98		

FKI DATA

CUR. AV.	5.0	37.8	38.5	11.1	94
CUM. AV.	5.0	37.8	38.6	10.9	97
IND. *D	100.0	100.0	99.7	101.8	96.9

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

TABLE VI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB. FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1973

	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			
CODE	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
B1		4.8				36.9				38.1				10.7				110		
C1	5.7	5.8	98.3	114.0	37.9	37.9	100.0	100.3	38.8	38.7	100.2	100.5	10.8	10.7	100.9	99.1	93	98	94.9	95.9
E1		4.5				37.8				39.2				10.7				96		
G1	2.6	3.6	72.2	52.0	36.5	37.0	98.6	96.6	38.5	38.7	99.5	99.7	11.7	11.8	99.2	107.3	94	94	100.0	96.9
H1		5.2				38.0				39.1				10.5				104		
I1		6.0				38.4				39.1				11.2				96		
J1	5.1	5.1	100.0	102.0	38.2	38.0	100.5	101.0	38.3	38.1	100.5	99.2	11.0	11.4	96.5	100.9	96	96	100.0	99.0
K1		7.0				37.9				38.2				10.9				99		
M1	4.1	4.4	93.2	82.0	38.0	38.2	99.5	100.5	38.1	38.3	99.5	98.7	10.7	10.9	98.2	98.2	115	103	111.6	118.6
N1	5.8	6.0	96.7	116.0	38.1	38.6	98.7	100.8	38.9	39.4	98.7	100.8	12.0	11.6	103.4	110.1	94	98	95.9	96.9
T1	5.6	5.6	100.0	112.0	37.9	38.2	99.2	100.3	38.0	38.3	99.2	98.4	10.0	10.1	99.0	91.7	92	99	92.9	94.8
U1	5.6	5.6	100.0	112.0	38.0	38.3	99.2	100.5	38.1	38.4	99.2	98.7					92	94	97.9	94.8
V1		5.9				38.1				38.9				11.3				94		
X1	6.8	6.4	106.2	136.0	37.4	37.6	99.5	98.9	37.8	38.1	99.2	97.9	10.6	10.7	99.1	97.2	87	88	98.9	89.7
Y1	5.8	6.4	90.6	116.0	37.5	37.8	99.2	99.2	38.3	38.4	99.7	99.2	10.8	11.1	97.3	99.1	98	98	100.0	101.0
Z1	4.9	4.3	114.0	98.0	38.1	37.6	101.3	100.3	38.3	38.2	100.3	99.2	11.2	11.1	100.9	102.8	88	90	97.8	90.7
A2		5.3				38.3				39.3				11.2				100		
B2	4.8	4.7	102.1	96.0	37.4	37.5	99.7	98.9	38.6	38.7	99.7	100.0	11.5	11.2	102.7	105.5	94	94	100.0	96.9
E2	5.7	5.8	98.3	114.0	37.7	37.6	100.3	99.7	37.9	37.8	100.3	98.2	11.4	11.4	100.0	104.6	105	101	104.0	108.2
F2	4.5	4.2	107.1	90.0	38.2	38.2	100.0	101.0	38.4	38.5	99.7	99.5	11.3	11.3	100.0	103.7	110	101	108.9	113.4
G2	4.8	5.2	92.3	96.0	37.1	37.4	99.2	98.1	38.3	38.4	99.7	99.2	9.9	10.0	99.0	90.8	111	110	100.9	114.4
H2	4.7	5.1	92.2	94.0	37.3	37.4	99.7	98.7	38.6	38.5	100.2	100.0	11.1	11.8	94.1	101.8	91	91	100.0	93.8
I2	6.6	6.6	100.0	132.0	37.8	37.8	100.0	100.0	38.3	38.2	100.3	99.2	11.5	11.5	100.0	105.5	89	92	96.7	91.8
J2	5.2	4.8	108.3	104.0	37.9	38.2	99.2	100.3	38.0	38.2	99.5	98.4	11.5	10.9	105.5	105.5	97	97	100.0	100.0
L2	4.3	4.2	102.4	86.0	36.6	36.6	100.0	96.8	38.0	38.0	100.0	98.4	10.1	10.1	100.0	92.7	98	104	94.2	101.0
M2		3.7				37.2				38.8				10.7				89		
N2		5.3				37.6				38.6				10.5				113		
O2	4.6	4.7	97.9	92.0	38.4	38.4	100.0	101.6	38.5	38.6	99.7	99.7	11.6	11.6	100.0	106.4	100	100	100.0	103.1
P2	5.5	5.1	107.8	110.0	37.7	38.4	98.2	99.7	38.6	38.5	97.7	100.0	10.0	10.3	97.1	91.7	91	93	97.8	93.8
R2	6.1	5.8	105.2	122.0	37.7	37.7	100.0	99.7	38.4	38.5	99.7	99.5	11.6	11.2	103.6	106.4	91	94	96.8	93.8
U2	5.1	4.4	115.9	102.0	37.9	37.5	101.1	100.3	39.0	38.9	100.2	101.0	11.0	10.6	103.8	100.9	96	97	99.0	99.0
W2	4.2	4.6	91.3	84.0	38.5	37.6	102.4	101.8	38.6	38.3	100.8	100.0	10.6	10.6	100.0	97.2	107	102	104.9	110.3
X2	5.0	5.5	90.9	100.0	37.5	38.2	98.2	99.2	38.6	39.1	98.7	100.0	10.2	10.7	95.3	93.6	100	101	99.0	103.1
Y2		3.4				36.5				38.2				10.7				96		
A3	5.0	5.5	90.9	100.0	38.9	38.5	101.0	102.9	39.0	38.6	101.0	101.0	11.0	10.7	102.8	100.9	93	97	95.9	95.9
B3	3.0	2.6	115.4	60.0	36.5	37.3	97.8	96.6	38.4	39.4	97.5	99.5		11.0			101	98	103.1	104.1
FKI DATA																				
CUR. AV.	5.0				37.7				38.4				11.0				97			
CUM. AV.	5.0				37.8				38.6				10.9				97			
INC. *D	100.0				99.7				99.5				100.9				100.0			

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

TABLE VII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB. FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1973

	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		
CODE	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
B1	4.0	4.7	85.1	76.9	40.3	40.5	99.5	96.6	42.0	41.9	100.2	98.8	12.3	11.8	104.2	102.5	117	116	100.9	110.4
C1		6.0				41.7				42.6				11.9				106		
D1	5.0	4.8	104.2	96.2	42.5	42.4	100.2	101.9	42.9	42.8	100.2	100.9	12.3	12.2	100.8	102.5	100	100	100.0	94.3
E1	3.7	4.8	77.1	71.2	40.4	41.2	98.0	96.9	42.2	42.5	99.3	99.3	11.1	11.4	97.4	92.5	101	103	98.0	95.3
F1	5.4	6.0	90.0	103.8	41.4	41.6	99.5	99.3	42.5	42.4	100.2	100.0	12.4	12.6	98.4	103.3	107	107	100.0	100.9
G1	3.4	4.4	77.3	65.4	40.6	41.3	98.3	97.4	42.5	42.8	99.3	100.0	12.5	12.7	98.4	104.2	104	104	100.0	98.1
H1	4.5	4.2	107.1	86.5	40.7	41.6	97.8	97.6	42.2	42.5	99.3	99.3	11.8	12.1	97.5	98.3	109	109	100.0	102.8
I1	5.5	5.9	93.2	105.8	41.2	42.2	97.6	98.8	42.2	43.0	98.1	99.3	12.4	12.0	103.3	103.3	103	104	99.0	97.2
J1	5.3	5.3	100.0	101.9	41.8	42.1	99.3	100.2	41.9	42.2	99.3	98.6	12.1	12.3	98.4	100.8	104	105	99.0	98.1
K1		7.1				42.1				42.4				11.9				107		
L1	4.9	4.6	106.5	94.2	42.8	41.5	103.1	102.6	44.1	43.0	102.6	103.8	13.0	13.0	100.0	108.3	103	106	97.2	97.2
M1		4.8				42.1				42.2				12.3				107		
N1	5.9	5.9	100.0	113.5	42.1	42.0	100.2	101.0	43.0	42.9	100.2	101.2	13.0	12.9	100.8	108.3	102	104	98.1	96.2
O1	6.0	5.6	107.1	115.4	41.7	41.7	100.0	100.0	42.5	42.7	99.5	100.0	11.0	11.1	99.1	91.7	111	110	100.9	104.7
P1	4.0	5.2	76.9	76.9	40.4	41.0	98.5	98.9	42.1	42.1	100.0	99.0	12.6	12.3	102.4	105.0	119	114	104.4	112.3
Q1	5.6	5.6	100.0	107.7	41.5	41.5	100.0	99.5	42.5	42.5	100.0	100.0	13.0	13.0	100.0	108.3	104	105	99.0	98.1
T1	5.6	5.7	98.2	107.7	42.1	42.3	99.5	101.0	42.2	42.4	99.5	99.3	11.7	11.3	103.5	97.5	100	104	96.2	94.3
U1	5.5	5.5	100.0	105.8	42.1	42.2	99.8	101.0	42.2	42.3	99.8	99.3					102	102	100.0	96.2
V1	6.0	6.3	95.2	115.4	41.5	41.7	99.5	99.5	42.3	42.4	99.8	99.5	11.9	12.0	99.2	99.2	102	103	99.0	96.2
X1	7.4	7.1	104.2	142.3	41.6	41.7	99.8	99.8	41.8	42.1	99.3	98.4	11.5	11.6	99.1	95.8	100	100	100.0	94.3
Y1	6.1	6.3	96.8	117.3	41.7	41.8	99.8	100.0	42.5	42.6	99.8	100.0	12.2	12.0	101.7	101.7	105	106	99.0	99.0
Z1	4.3	4.5	95.6	82.7	41.9	41.7	100.5	100.5	42.1	42.5	99.0	99.0	12.6	12.1	104.1	105.0	97	100	97.0	91.5
A2	5.2	5.3	98.1	100.0	41.9	42.0	99.8	100.5	43.1	43.2	99.8	101.4	12.5	12.3	101.6	104.2	104	103	101.0	98.1
B2	4.8	4.8	100.0	92.3	41.3	41.4	99.8	99.0	42.7	42.8	99.8	100.5	12.3	12.5	98.4	102.5	101	103	98.0	95.3
C2	5.1	4.9	104.1	98.1	41.4	41.3	100.2	99.3	42.6	42.6	100.0	100.2	11.9	11.8	100.8	99.2	102	105	97.1	96.2
D2	5.4	5.3	101.9	103.8	42.2	42.6	99.1	101.2	42.3	42.7	99.1	99.5	12.0	12.6	95.2	100.0	103	108	95.4	97.2
E2	6.1	6.0	101.7	117.3	41.4	41.5	99.8	99.3	41.6	41.7	99.8	97.9	12.8	12.4	103.2	106.7	110	108	101.8	103.8
F2	4.7	4.6	102.2	90.4	41.8	42.2	99.0	100.2	42.0	42.5	98.8	98.8	12.5	12.5	100.0	104.2	107	109	98.2	100.9
G2	5.9	5.9	100.0	113.5	41.4	41.5	99.8	99.3	42.3	42.4	99.8	99.5	10.6	11.2	94.6	88.3	123	116	106.0	116.0
I2	7.3	7.2	101.4	140.4	42.2	42.0	100.5	101.2	42.4	42.3	100.2	99.8	12.5	12.6	99.2	104.2	103	102	101.0	97.2
J2	5.1	4.9	104.1	98.1	41.7	42.2	98.8	100.0	41.8	42.2	99.0	98.4	12.4	12.4	100.0	103.3	99	106	93.4	93.4
K2	5.2	5.0	104.0	100.0	41.7	41.6	100.2	100.0	42.9	42.8	100.2	100.9	11.9	11.6	102.6	99.2	107	108	99.1	100.9
L2	4.5	4.2	107.1	86.5	40.7	40.5	100.5	97.6	42.2	42.1	100.2	99.3	11.1	11.1	100.0	92.5	107	110	97.3	100.9
M2	4.2	4.2	100.0	80.8	40.3	41.0	98.3	96.6	41.9	42.6	98.4	98.6	11.5	11.6	99.1	95.8	87	103	84.5	82.1
N2	6.4	6.1	104.9	123.1	41.0	41.2	99.5	98.3	41.6	41.9	99.3	97.9	12.9	11.5	112.2	107.5	111	116	95.7	104.7
O2	4.9	4.9	100.0	94.2	42.2	42.4	99.5	101.2	42.3	42.7	99.1	99.5	12.7	12.7	100.0	105.8	106	105	101.0	100.0
P2	6.3	6.4	98.4	121.2	42.3	42.4	99.8	101.4	43.0	43.0	100.0	101.2	11.0	11.4	96.5	91.7	103	103	100.0	97.2
R2	6.1	6.2	98.4	117.3	41.8	41.7	100.2	100.2	42.6	42.4	100.5	100.2	13.2	12.5	105.6	110.0	98	101	97.0	92.4
U2	5.3	4.6	115.2	101.9	41.8	41.5	100.7	100.2	42.9	43.0	99.8	100.9	12.5	11.6	107.8	104.2	103	105	98.1	97.2
V2	3.3	4.1	80.5	63.5	42.6	42.0	101.4	102.2	42.8	42.8	100.0	100.7	11.8	11.4	103.5	98.3	101	104	97.1	95.3
W2	4.4	4.8	91.7	84.6	42.3	41.5	101.9	101.4	42.4	42.3	100.2	99.8	11.9	11.7	101.7	99.2	109	111	98.2	102.8
X2	5.5	5.8	94.8	105.8	40.9	42.1	97.1	98.1	41.9	43.0	97.4	98.6	11.3	12.0	94.2	94.2	103	106	97.2	97.2
Y2	4.0	4.1	97.6	76.9	40.5	40.6	99.8	97.1	42.2	42.2	100.0	99.3	11.7	11.8	99.2	97.5	101	104	97.1	95.3
A3	6.3	5.9	106.8	121.2	42.1	42.3	99.5	101.0	42.2	42.4	99.5	99.3	12.0	12.1	99.2	100.0	107	105	101.9	100.9
B3	3.1	3.2	96.9	59.6	40.5	41.5	97.6	97.1	42.6	42.7	99.8	100.2	12.3	12.0	102.5	102.5	106	109	97.2	100.0
FKI DATA																				
CUR. AV.	5.2				41.5				42.4				12.1				104			
CUM. AV.	5.2				41.7				42.5				12.0				106			
IND. *D	100.0				99.5				99.8				100.8				98.1			

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

TABLE VIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB. FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1973

	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			
CODE	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
B1	4.8	4.6	104.3	92.3	40.4	40.5	99.8	96.9	41.7	41.9	99.5	98.1	12.0	11.9	100.8	100.0	114	116	98.3	107.5
C1		6.0				41.8				42.6				12.0				106		
D1	4.9	4.8	102.1	94.2	42.4	42.4	100.0	101.7	42.8	42.8	100.0	100.7	12.2	12.2	100.0	101.7	102	100	102.0	96.2
E1	3.5	4.7	74.5	67.3	40.3	41.1	98.0	96.6	42.2	42.4	99.5	99.3	11.0	11.4	96.5	91.7	101	103	98.0	95.3
F1	6.5	5.9	110.2	125.0	41.9	41.6	100.7	100.5	42.5	42.5	100.0	100.0	12.7	12.5	101.6	105.8	104	107	97.2	98.1
G1	3.6	4.4	81.8	69.2	40.6	41.2	98.5	97.4	42.5	42.8	99.3	100.0	12.6	12.7	99.2	105.0	103	104	99.0	97.2
H1	3.5	4.3	81.4	67.3	40.8	41.5	98.3	97.6	42.7	42.5	100.5	100.5	11.6	12.1	95.9	96.7	106	110	96.4	100.0
I1	5.2	5.9	88.1	100.0	40.8	42.1	96.9	97.8	41.9	43.0	97.4	98.6	11.4	12.0	95.0	95.0	101	104	97.1	95.3
J1	5.6	5.3	105.7	107.7	42.3	42.0	100.7	101.4	42.4	42.1	100.7	99.8	11.8	12.3	95.9	98.3	102	105	97.1	96.2
K1		7.1				42.1				42.4				11.9				107		
L1	4.6	4.6	100.0	88.5	42.6	41.6	102.4	102.2	44.1	43.1	102.3	103.8	12.8	13.0	98.5	106.7	105	106	99.0	99.0
M1		4.7				42.1				42.2				12.3				107		
N1	6.0	5.9	101.7	115.4	41.9	42.0	99.8	100.5	42.7	42.9	99.5	100.5	13.1	12.9	101.6	109.2	102	104	98.1	96.2
O1	5.4	5.6	96.4	103.8	41.6	41.7	99.8	99.8	42.7	42.7	100.0	100.5	11.0	11.1	99.1	91.7	108	110	98.2	101.9
P1		4.9				40.7				42.0				12.2				114		
Q1	5.7	5.6	101.8	109.6	41.6	41.5	100.2	99.8	42.6	42.5	100.2	100.2	12.9	13.0	99.2	107.5	103	105	98.1	97.2
T1	5.8	5.7	101.8	111.5	42.1	42.3	99.5	101.0	42.2	42.4	99.5	99.3	11.2	11.4	98.2	93.3	97	104	93.3	91.5
U1	5.8	5.5	105.4	111.5	42.0	42.2	99.5	100.7	42.1	42.3	99.5	99.0					101	102	99.0	95.3
V1	7.2	6.4	112.5	138.5	41.9	41.7	100.5	100.5	42.2	42.4	99.5	99.3	11.9	12.1	98.3	99.2	100	102	98.0	94.3
X1	7.3	7.1	102.8	140.4	41.7	41.7	100.0	100.0	41.9	42.0	99.8	98.6	11.6	11.6	100.0	96.7	101	100	101.0	95.3
Y1	6.1	6.2	98.4	117.3	41.7	41.8	99.8	100.0	42.5	42.6	99.8	100.0	12.1	12.0	100.8	100.8	103	106	97.2	97.2
Z1	5.5	4.4	125.0	105.8	41.9	41.8	100.2	100.5	42.1	42.5	99.0	99.0	12.6	12.2	103.3	105.0	97	100	97.0	91.5
A2	5.2	5.3	98.1	100.0	42.1	42.0	100.2	101.0	43.3	43.2	100.2	101.9	12.7	12.3	103.2	105.8	103	103	100.0	97.2
B2	4.9	4.8	102.1	94.2	41.3	41.4	99.8	99.0	42.6	42.7	99.8	100.2	12.6	12.4	101.6	105.0	101	103	98.0	95.3
C2	5.3	4.9	108.2	101.9	41.5	41.3	100.5	99.5	42.6	42.6	100.0	100.2	12.1	11.8	102.5	100.8	100	104	96.2	94.3
D2	5.1	5.3	96.2	98.1	42.4	42.5	99.8	101.7	42.5	42.6	99.8	100.0	12.5	12.4	100.8	104.2	104	106	98.1	98.1
E2	5.8	6.0	96.7	111.5	41.6	41.4	100.5	99.8	41.8	41.6	100.5	98.4	12.9	12.4	104.0	107.5	109	108	100.9	102.8
F2	5.0	4.6	108.7	96.2	41.9	42.1	99.5	100.5	42.1	42.4	99.3	99.0	12.8	12.5	102.4	106.7	109	109	100.0	102.8
G2	5.6	5.8	96.6	107.7	41.3	41.5	99.5	99.0	42.3	42.4	99.8	99.5	11.2	11.0	101.8	93.3	116	117	99.1	109.4
I2	7.4	7.3	101.4	142.3	42.3	42.0	100.7	101.4	42.5	42.3	100.5	100.0	12.6	12.6	100.0	105.0	103	102	101.0	97.2
J2	5.0	4.9	102.0	96.2	42.5	42.1	101.0	101.9	42.6	42.2	100.9	100.2	12.9	12.5	103.2	107.5	101	105	96.2	95.3
K2	5.2	5.1	102.0	100.0	42.0	41.6	101.0	100.7	43.2	42.8	100.9	101.6	11.4	11.7	97.4	95.0	106	108	98.1	100.0
L2	4.5	4.2	107.1	86.5	40.7	40.5	100.5	97.6	42.2	42.1	100.2	99.3	11.1	11.1	100.0	92.5	106	110	96.4	100.0
M2		4.1				40.8				42.5				11.6				101		
N2	6.4	6.1	104.9	123.1	41.0	41.2	99.5	98.3	41.6	41.9	99.3	97.9	11.4	11.6	98.3	95.0	106	115	92.2	100.0
O2	4.9	4.9	100.0	94.2	42.5	42.4	100.2	101.9	42.6	42.7	99.8	100.2	12.7	12.7	100.0	105.8	105	105	100.0	99.0
P2	7.0	6.3	111.1	134.6	42.0	42.4	99.0	100.7	42.4	42.1	98.4	99.8	11.1	11.3	98.2	92.5	104	103	101.0	96.1
R2	6.3	6.2	101.6	121.2	41.7	41.7	100.0	100.0	42.4	42.4	100.0	99.8	13.3	12.5	106.4	110.8	98	101	97.0	92.4
U2	5.1	4.7	108.5	98.1	41.7	41.6	100.2	100.0	42.9	43.0	99.8	100.9	12.3	11.7	105.1	102.5	104	105	99.0	98.1
V2	4.0	4.0	100.0	76.9	42.7	42.1	101.4	102.4	42.9	42.8	100.2	100.9	11.7	11.4	102.6	97.5	99	103	96.1	93.4
W2	4.5	4.8	93.8	86.5	42.4	41.6	101.9	101.7	42.5	42.3	100.5	100.0	11.6	11.7	99.1	96.7	110	110	100.0	103.8
X2	5.4	5.8	93.1	103.8	41.0	41.9	97.8	98.3	42.1	42.8	98.4	99.0	11.5	11.9	96.6	95.8	103	106	97.2	97.2
Y2	4.0	4.1	97.6	76.9	40.5	40.6	99.3	97.1	42.2	42.2	100.0	99.3	11.7	11.8	99.2	97.5	101	104	97.1	95.3
A3	6.1	5.9	103.4	117.3	42.6	42.3	100.7	102.2	42.7	42.4	100.7	100.5	12.0	12.0	100.0	100.0	100	105	95.2	94.3
B3	3.7	3.2	115.6	71.2	40.9	41.4	98.8	98.1	42.7	42.7	100.0	100.5		12.0			106	103	97.2	100.0
FKI DATA																				
CUR. AV.	5.3				41.7				42.5				12.1				104			
CUM. AV.	5.2				41.7				42.5				12.0				106			
IND. *D	101.9				100.0				100.0				100.8				98.1			

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

TABLE IX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB. FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1973

	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			
CODE	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
D1	6.0	5.5	109.1	101.7	69.1	69.0	100.1	100.7	69.7	69.6	100.1	100.1	19.1	19.0	100.5	97.4	140	139	100.7	97.9
E1	6.7	6.0	111.7	113.6	68.5	68.2	100.4	99.8	69.3	69.6	99.6	99.6	19.3	19.2	100.5	98.5	134	135	99.2	93.7
F1	6.5	6.2	104.8	110.2	68.6	68.3	100.4	100.0	69.6	69.5	100.1	100.0	20.0	20.0	100.0	102.0	139	141	98.6	97.2
G1	5.5	5.3	103.8	93.2	67.9	68.2	99.6	99.0	69.6	70.1	99.3	100.0	20.5	20.4	100.5	104.6	140	141	99.3	97.9
H1	6.1	4.5	135.6	103.4	67.7	68.2	99.3	98.7	68.9	69.7	98.8	99.0	20.0	20.4	98.0	102.0	144	148	97.3	100.7
I1		6.8				69.3				70.1				19.4				140		
J1		5.7				69.8				70.0				18.8				146		
K1		7.2				69.7				70.2				19.3				142		
L1	5.2	4.8	108.3	88.1	69.2	68.2	101.5	100.9	71.1	70.4	101.0	102.2	21.7	21.8	99.5	110.7	139	140	99.3	97.2
M1		5.0				69.5				69.7				19.8				150		
N1	7.6	7.1	107.0	128.8	68.4	68.6	99.7	99.7	68.5	69.1	99.1	98.4	21.4	21.0	101.9	109.2	144	140	102.8	100.7
O1	6.0	6.2	96.8	101.7	68.7	68.7	100.0	100.1	70.1	69.8	100.4	100.7	19.1	19.2	99.5	97.4	139	143	97.2	97.2
P1	5.2	5.7	91.2	88.1	67.3	67.8	99.3	98.1	69.2	69.3	99.8	99.4	18.5	18.7	98.9	94.4	153	154	99.4	107.0
R1		6.7				68.7				69.6				19.0				140		
T1		6.2				69.4				69.6				19.1				140		
U1	5.9	5.8	101.7	100.0	68.9	69.0	99.8	100.4	69.1	69.2	99.8	99.3					140	144	97.2	97.9
V1	7.6	6.7	113.4	128.8	69.1	68.9	100.3	100.7	69.2	69.7	99.3	99.4	19.4	19.3	100.5	99.0	140	141	99.3	97.9
X1	8.7	9.0	96.7	147.4	68.7	68.7	100.0	100.1	68.0	67.8	100.3	97.7	18.6	18.9	98.4	94.9	137	137	100.0	95.8
Y1	7.1	7.3	97.3	120.3	68.5	68.7	99.7	99.8	69.0	69.1	99.8	99.1	19.2	19.6	98.0	98.0	150	148	101.4	104.9
A2	6.2	6.1	101.6	105.1	67.9	68.5	99.1	99.0	69.1	69.7	99.1	99.3	19.8	19.9	99.5	101.0	137	136	100.7	95.8
C2	5.5	5.1	107.8	93.2	68.2	68.1	100.1	99.4	69.9	70.0	99.8	100.4	19.4	18.7	103.7	99.0	138	142	97.2	96.5
D2	5.5	5.6	98.2	93.2	69.3	69.4	99.8	101.0	69.5	69.6	99.8	99.8	20.2	20.1	100.5	103.1	145	145	100.0	101.4
E2	6.5	6.4	101.6	110.2	68.4	68.4	100.0	99.7	68.7	68.7	100.0	98.7	20.0	19.7	101.5	102.0	148	148	100.0	103.5
F2	4.8	5.2	92.3	81.4	68.4	69.0	99.1	99.7	68.7	69.5	98.8	98.7	21.0	21.0	100.0	107.1	141	146	96.6	98.6
G2	6.5	6.3	103.2	110.2	69.0	68.3	101.0	100.6	70.0	69.4	100.9	100.6	18.2	18.3	99.4	92.8	152	152	100.0	106.3
I2	7.5	7.6	98.7	127.1	69.5	69.3	100.3	101.3	69.7	69.4	100.4	100.1	20.5	20.8	98.6	104.6	144	140	102.8	100.7
J2		5.6				68.9				69.1				18.7				155		
K2	5.5	5.4	101.8	93.2	68.2	68.2	100.0	99.4	69.9	69.9	100.0	100.4	21.0	20.1	104.5	107.1	132	135	97.8	92.3
L2		3.9				66.2				69.0				18.5				154		
M2	4.5	4.8	93.8	76.3	66.5	67.5	98.5	96.9	68.9	69.7	98.8	99.0	19.6	19.5	100.5	100.0	127	143	88.8	88.8
N2	7.0	7.0	100.0	118.6	68.9	67.8	101.6	100.4	69.5	68.4	101.6	99.8	20.0	19.4	103.1	102.0	134	148	90.5	93.7
O2	5.4	5.5	98.2	91.5	70.1	69.8	100.4	102.2	70.3	70.2	100.1	101.0	19.5	20.2	96.5	99.5	140	140	100.0	97.9
P2	8.8	8.2	107.3	149.2	68.5	68.9	99.4	99.8	67.7	68.6	98.7	97.3	18.1	18.6	97.3	92.3	138	140	98.6	96.5
R2	6.6	6.6	100.0	111.9	68.2	68.7	99.3	99.4	69.1	69.6	99.3	99.3	21.3	20.7	102.9	108.7	136	134	101.5	95.1
S2		4.8				67.4				69.6				19.5				143		
V2	5.1	5.2	98.1	86.4	69.6	68.9	101.0	101.4	69.9	70.0	99.8	100.4	20.6	19.7	104.6	105.1	136	135	100.7	95.1
W2	4.9	5.4	90.7	83.0	69.3	68.2	101.6	101.0	69.5	69.3	100.3	99.8	19.1	17.8	107.3	97.4	138	150	92.0	96.5
X2	7.0	6.7	104.5	118.6	68.3	69.2	98.7	99.6	68.9	70.0	98.4	99.0	20.6	20.5	100.5	105.1	135	138	97.8	94.4
Y2	4.8	4.7	102.1	81.4	67.0	67.0	100.0	97.7	69.2	69.3	99.8	99.4	19.2	19.4	99.0	98.0	137	140	97.6	95.8
A3	6.5	6.6	98.5	110.2	69.7	69.3	100.6	101.6	69.9	69.5	100.6	100.4	20.0	20.0	100.0	102.0	150	150	100.0	104.9
B3	4.2	4.4	95.4	71.2	67.2	68.3	98.4	98.0	69.8	70.0	99.7	100.3	20.3	19.8	102.5	103.6	143	148	96.6	100.0
FKI DATA																				
CUR. AV.	6.2				68.5				69.4				19.8				140			
CUM. AV.	5.9				68.6				69.6				19.6				143			
IND. *D	105.1				99.8				99.7				101.0				97.9			

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

TABLE X

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB. FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1973

	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			
CODE	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
D1	6.1	5.5	110.9	101.7	68.9	69.0	99.8	100.6	69.5	69.6	99.8	100.0	19.0	19.0	100.0	96.9	142	140	101.4	99.3
E1	6.7	6.1	109.8	111.7	68.4	68.3	100.1	99.8	69.2	69.6	99.4	99.6	19.1	19.2	99.5	97.4	137	135	101.5	95.8
F1	6.5	6.2	104.8	108.3	68.6	68.4	100.3	100.1	69.6	69.6	100.0	100.1	19.8	20.0	99.0	101.0	137	141	97.2	95.8
G1	4.9	5.4	90.7	81.7	67.4	68.2	98.8	98.4	69.5	70.0	99.3	100.0	21.2	20.5	103.4	108.2	140	141	99.3	97.9
H1	5.3	4.8	110.4	88.3	68.0	68.1	99.8	99.3	69.8	69.6	100.3	100.4	19.9	20.4	97.5	101.5	145	148	98.0	101.4
I1		6.7				69.1				70.0				19.4				139		
J1		5.7				69.8				70.0				18.8				146		
K1		7.2				69.7				70.2				19.3				142		
L1		4.8				68.3				70.5				21.7				140		
M1		5.0				69.5				69.7				19.8				150		
N1	7.0	7.2	97.2	116.7	68.4	68.6	99.7	99.8	69.0	69.0	100.0	99.3	21.0	21.0	100.0	107.1	138	140	98.6	96.5
O1	5.9	6.2	95.2	98.3	68.4	68.7	99.6	99.8	69.8	69.9	99.8	100.4	19.3	19.2	100.5	98.5	136	142	95.8	95.1
P1	5.4	5.7	94.7	90.0	67.5	67.8	99.6	98.5	69.3	69.4	99.8	99.7	18.3	18.7	97.9	93.4	148	154	96.1	103.5
R1		6.7				68.6				69.4				18.8				140		
T1		6.1				69.4				69.6				19.2				140		
U1	5.7	5.8	98.3	95.0	69.1	69.0	100.1	100.9	69.3	69.2	100.1	99.7					139	144	96.5	97.2
V1	7.5	6.9	108.7	125.0	68.9	68.9	100.0	100.6	69.1	69.6	99.3	99.4	19.7	19.3	102.1	100.5	141	141	100.0	98.6
X1	8.8	8.9	98.9	146.7	68.6	68.7	99.8	100.1	67.8	67.8	100.0	97.6	18.8	18.8	100.0	95.9	136	137	99.3	95.1
Y1	7.1	7.3	97.3	118.3	68.5	68.7	99.7	100.0	69.0	69.1	99.8	99.3	18.7	19.6	95.4	95.4	154	148	104.0	107.7
A2	5.9	6.1	96.7	98.3	68.2	68.5	99.6	99.6	69.6	69.7	99.8	100.1	19.8	19.8	100.0	101.0	135	136	99.3	94.4
C2	5.7	5.2	109.6	95.0	68.3	68.1	100.3	99.7	69.9	70.0	99.8	100.6	18.9	16.7	101.1	96.4	136	141	96.4	95.1
D2	5.7	5.6	101.8	95.0	69.5	69.3	100.3	101.4	69.7	69.5	100.3	100.3	19.9	20.2	98.5	101.5	145	145	100.0	101.4
E2	6.5	6.4	101.6	108.3	68.4	68.4	100.0	99.8	68.7	68.7	100.0	98.8	19.9	19.7	101.0	101.5	147	148	99.3	102.8
F2	5.8	5.2	111.5	96.7	68.6	69.0	99.7	100.4	69.1	69.4	99.6	99.4	21.4	21.0	101.9	109.2	145	146	99.3	101.4
G2	6.5	6.3	103.2	108.3	68.8	68.3	100.7	100.4	69.8	69.4	100.6	100.4	17.9	18.1	98.9	91.3	153	152	100.6	107.0
I2	7.8	7.6	102.6	130.0	69.8	69.4	100.6	101.9	69.8	69.4	100.6	100.4	20.9	20.8	100.5	106.6	141	140	100.7	98.6
J2	5.7	5.5	103.6	95.0	69.2	68.9	100.4	101.0	69.4	69.1	100.4	99.8	19.6	18.8	104.2	100.0	144	155	92.9	100.7
K2	5.4	5.4	100.0	90.0	68.4	68.2	100.3	99.8	70.2	69.9	100.4	101.0	20.8	20.2	103.0	106.1	138	135	102.2	96.5
L2		3.8				66.2				69.0				18.5				154		
M2		4.8				67.4				69.6				19.5				142		
N2	7.2	7.0	102.8	120.0	67.7	68.2	99.3	98.8	68.2	68.8	99.1	98.1	18.6	19.6	94.9	94.9	139	143	97.2	97.2
O2	5.6	5.5	101.8	93.3	69.9	69.8	100.1	102.0	70.1	70.2	99.8	100.9	20.0	20.2	99.0	102.0	137	140	97.8	95.8
P2	8.4	8.3	101.2	140.0	68.9	68.8	100.1	100.6	68.4	68.5	99.8	98.4	18.4	18.5	99.4	93.9	140	140	100.0	97.9
R2	6.8	6.6	103.0	113.3	69.4	68.6	101.2	101.3	70.2	69.6	100.9	101.0	21.7	20.7	104.8	110.7	141	134	105.2	98.6
S2		4.8				67.4				69.6				19.5				143		
V2	5.1	5.2	98.1	85.0	68.9	69.0	99.8	100.6	69.2	70.0	98.8	99.6	19.6	19.7	99.5	100.0	132	136	97.0	92.3
W2	5.3	5.4	98.1	88.3	69.3	68.4	101.3	101.2	69.5	69.3	100.3	100.0	18.3	17.9	102.2	93.4	143	149	96.0	100.0
X2	6.8	6.7	101.5	113.3	68.4	69.1	99.0	99.8	69.2	69.9	99.0	99.6	20.1	20.5	98.0	102.6	136	137	99.3	95.1
Y2	4.6	4.7	97.9	76.7	66.8	67.0	99.7	97.5	69.1	69.3	99.7	99.4	19.2	19.3	99.5	98.0	137	140	97.8	95.8
A3	6.6	6.6	100.0	110.0	69.6	69.3	100.4	101.6	69.8	69.5	100.4	100.4	20.0	20.1	99.5	102.0	156	150	104.0	109.1
B3	4.1	4.4	93.2	68.3	67.1	68.1	98.5	98.0	69.8	70.0	99.7	100.4		19.9			144	147	98.0	100.7
FKI DATA																				
CUR. AV.	6.2				68.6				69.4				19.6				141			
CUM. AV.	6.0				68.5				69.5				19.6				143			
IND. *D	103.3				100.1				99.8				100.0				98.6			

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

TABLE XI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB. FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1973

	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			
CODE	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
E1	5.4	6.0	90.0	87.1	88.0	89.1	98.8	98.2	90.3	90.9	99.3	99.6	23.6	25.2	93.6	92.5	162	160	101.2	94.7
F1	6.7	6.6	101.5	108.1	89.9	89.9	100.0	100.3	91.0	91.1	99.9	100.3	26.2	26.9	97.4	102.7	164	173	94.8	95.9
G1	5.3	5.6	94.6	85.5	88.9	89.3	99.6	99.2	91.3	91.4	99.9	100.7	26.8	26.7	100.4	105.1	165	168	98.2	96.5
H1	5.5	5.2	105.8	88.7	89.0	89.4	99.6	99.3	91.2	91.1	100.1	100.6	27.5	26.6	103.4	107.8	177	179	99.4	103.5
I1	6.8	7.0	97.1	109.7	88.4	90.4	97.8	98.7	89.4	91.2	98.0	98.6	26.7	25.1	106.4	104.7	157	163	96.3	91.8
O1		6.3				89.5				91.0				24.7				162		
P1	6.1	6.2	98.4	98.4	88.1	89.0	99.0	98.3	89.7	90.5	99.1	98.9	23.8	24.7	96.4	93.3	178	186	95.7	104.1
R1	8.0	8.0	100.0	129.0	90.5	90.3	100.2	101.0	90.3	90.1	100.2	99.6	24.0	23.5	102.1	94.1	172	166	103.6	100.6
U1	5.6	5.7	98.2	90.3	89.4	89.7	99.7	99.8	89.7	90.0	99.7	98.9					172	170	101.2	100.6
V1		6.9				89.8				90.6				24.8				175		
Y1	7.6	7.7	98.7	122.6	89.5	89.6	99.9	99.9	89.7	89.7	100.0	98.9	25.8	25.9	99.6	101.2	172	174	98.8	100.6
A2		6.1				88.6				90.3				25.9				165		
D2	5.8	5.6	103.6	93.5	89.6	90.4	99.1	100.0	89.9	90.7	99.1	99.1	26.4	26.2	100.8	103.5	180	170	105.9	105.3
F2	5.6	5.5	101.8	90.3	90.0	89.9	100.1	100.4	90.4	90.4	100.0	99.7	26.2	26.8	97.8	102.7	177	176	100.6	103.5
G2	6.8	6.5	104.6	109.7	89.8	89.2	100.7	100.2	90.8	90.5	100.3	100.1	24.0	23.9	100.4	94.1	175	178	98.3	102.3
J2		5.1				90.5				90.8				24.1				183		
L2		3.7				86.4				90.2				25.6				178		
M2	5.3	5.4	98.1	85.5	87.6	89.0	98.4	97.8	90.0	91.3	98.6	99.2	25.9	26.0	99.6	101.6	150	174	86.2	87.7
O2		5.7				91.0				91.8				27.2				164		
P2	8.8	8.6	102.3	141.9	89.5	89.8	99.7	99.9	88.5	89.1	99.3	97.6	23.9	24.6	97.2	93.7	168	170	98.8	98.2
R2	7.1	6.4	110.9	114.5	88.7	89.7	98.9	99.0	89.4	91.1	98.1	98.6	28.6	26.6	107.5	112.2	170	169	100.6	99.4
S2		4.9				87.8				90.5				25.1				167		
V2		4.9				90.0				92.9				25.8				160		
W2		5.8				89.2				90.6				24.1				173		
Y2	5.4	5.0	108.0	87.1	88.1	87.6	100.6	98.3	90.4	90.3	100.1	99.7	24.7	25.9	95.4	96.9	167	162	103.1	97.7
A3	6.5	6.6	98.5	104.8	91.3	90.7	100.7	101.9	91.6	91.0	100.6	101.0	26.0	24.7	105.3	102.0	187	177	105.6	109.4
B3		4.2				88.0				91.3				26.4				177		

FKI DATA				
CUR. AV.	6.4	89.2	90.2	25.6	170
CUM. AV.	6.2	89.6	90.7	25.5	171
IND. *D	103.2	99.6	99.4	100.4	99.4

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

TABLE XII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB. FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1973

	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			
CODE	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
E1	7.4	5.9	125.4	117.5	89.8	89.0	100.9	100.2	90.2	90.8	99.3	99.6	25.9	24.9	104.0	101.6	164	161	101.9	95.9
F1		6.6				89.9				91.1				26.8				172		
G1	5.6	5.6	100.0	88.9	88.6	89.3	99.2	98.9	90.7	91.4	99.2	100.1	26.7	26.7	100.0	104.7	166	167	99.4	97.1
H1	5.1	5.3	96.2	81.0	88.4	89.3	99.0	98.7	91.0	91.1	99.9	100.4	26.4	26.9	98.1	103.5	176	178	98.9	102.9
I1	6.7	7.0	95.7	106.3	87.9	90.1	97.6	98.1	89.0	91.0	97.8	98.2	25.1	25.3	99.2	98.4	164	162	101.2	95.9
O1	6.4	6.3	101.6	101.6	89.5	89.5	100.0	99.9	90.8	91.0	99.8	100.2	25.6	24.7	103.6	100.4	155	162	95.7	90.6
P1	6.1	6.2	98.4	96.6	88.4	88.9	99.4	98.7	90.0	90.5	99.4	99.3	23.6	24.7	95.5	92.5	168	186	90.3	98.2
R1	7.5	8.0	93.8	119.0	90.4	90.3	100.1	100.9	90.7	90.1	100.7	100.1	23.8	23.5	101.3	93.3	169	166	101.8	98.8
U1		5.7				89.7				90.0								170		
V1	8.2	6.9	118.8	130.2	90.4	89.7	100.8	100.9	90.0	90.6	99.3	99.3	24.7	24.8	99.6	96.9	172	174	98.8	100.6
Y1	7.5	7.7	97.4	119.0	89.6	89.6	100.0	100.0	89.9	89.7	100.2	99.2	25.5	25.8	98.8	100.0	177	174	101.7	103.5
A2		6.1				88.6				90.3				25.9				165		
D2	5.8	5.6	103.6	92.1	90.6	90.3	100.3	101.1	90.9	90.6	100.3	100.3	25.2	26.3	95.8	98.8	174	171	101.8	101.8
F2	8.7	5.6	155.4	138.1	89.3	89.9	99.3	99.7	89.7	90.4	99.2	99.0	27.9	26.8	104.1	109.4	170	176	96.6	99.4
G2		6.5				89.3				90.5				23.9				178		
J2	4.9	5.1	96.1	77.8	90.8	90.5	100.3	101.3	91.1	90.8	100.3	100.6	27.4	24.1	113.7	107.4	167	183	91.2	97.7
L2		3.8				86.4				90.1				27.0				177		
M2		5.4				88.8				91.1				25.9				171		
O2		5.8				91.0				91.8				27.2				164		
P2	9.0	8.6	104.6	142.8	89.6	89.8	99.8	100.0	88.4	89.0	99.3	97.6	24.0	24.6	97.6	94.1	169	170	99.4	98.8
R2	7.1	6.4	110.9	112.7	89.5	89.6	99.9	99.9	90.2	91.0	99.1	99.6	26.5	26.8	98.9	103.9	168	169	99.4	98.2
S2		4.9				87.8				90.5				25.1				167		
V2		4.9				90.0				92.9				25.8				160		
W2		5.8				89.2				90.6				24.1				172		
Y2	4.5	5.0	90.0	71.4	87.3	87.7	99.5	97.4	90.4	90.3	100.1	99.8	25.0	25.8	96.9	98.0	157	163	96.3	91.8
A3	7.0	6.6	106.1	111.1	90.6	90.8	99.8	101.1	90.9	91.1	99.8	100.3	26.0	24.9	104.4	102.0	178	177	100.6	104.1
B3		4.2				88.0				91.3				26.4				177		

FKI DATA																				
CUR. AV.	6.7				89.4				90.2				25.6				168			
CUM. AV.	6.3				89.6				90.6				25.5				171			
IND. *D	106.3				99.8				99.6				100.4				98.2			

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 XIII. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and FKI 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 XIII

DATA ON CONDITIONING AND TESTING ENVIRONMENTS

SEPTEMBER AND OCTOBER, 1973

Code	Conditioning Environment: Are Quality Samples Conditioned Before Testing?	Procedure: Time	Procedure: RH, %	Procedure: Temp., °F	Testing Environment: Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
A1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
B1	No	--	--	--	No
C1	No	--	--	--	No
D1	Yes	--	73	50	Yes: 73°F; 50 ± 2% RH
E1	No	--	--	--	Yes: 70 ± 3°F; 50 ± 5% RH
F1	No	--	--	--	Yes: 70 ± 3°F; 50 ± 5% RH
G1	No	--	--	--	No
H1	No	--	--	--	No
I1	No	--	--	--	Yes: 73 ± 4°F; 50 ± 10% RH
J1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
K1	No	--	--	--	Yes: 72 ± 2°F; 55 ± 5% RH
L1	No	--	--	--	Yes: 72 ± 2.5°F; 50 ± 2% RH
M1	Yes	15 Min	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
N1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
O1	No	--	--	--	No
P1	No	--	--	--	No
Q1	No	--	--	--	Yes: 70 ± 3°F; 50 ± 5% RH
R1	No	--	--	--	No
S1	Yes	7 Min	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
T1	No	--	--	--	Yes: 75 ± 5°F; 50 ± 5% RH
U1	No	--	--	--	No
V1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
W1	No data submitted for September and October				
X1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 3% RH
Y1	No	--	--	--	No
Z1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
A2	Yes	10 Min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
B2	No	--	--	--	Yes: 73 ± 3°F; 50% RH
C2	No	--	--	--	No
D2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
E2	Yes	15 Min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
F2	Yes	5-20 Min	--	--	Yes: 72 ± 1°F; 50 ± 5% RH
G2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
H2	No	--	--	--	No
I2	No	--	--	--	No
J2	No	--	--	--	No
K2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
L2	No	--	--	--	No
M2	Yes	10 Min	73	--	No
N2	No	--	--	--	No
O2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
P2	No	--	--	--	No
Q2	No	--	--	--	No
R2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
S2	No data submitted for September and October				
T2	Yes	20 Min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
U2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
V2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
W2	No	--	--	--	No
X2	No	--	--	--	Yes: 73 ± 4°F; 50 ± 10% RH
Y2	No	--	--	--	No
Z2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
A3	No	--	--	--	No
B3	No	--	--	--	No
C3	Yes	10 Min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
D3	Yes	20 Min	72	50	Yes: 72 ± 2°F; 50 ± 2% RH
E3	No	--	--	--	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 FKI 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 (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative FKI average}}\right] \cdot 100$ where

$$\text{Cumulative FKI average} = \sum \frac{\text{CFKIA's}^{b} \text{ for previous 12 months excluding CFKIA for current month}}{12}$$

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

$$\text{Current FKI average} = \sum \frac{\text{CMA's}^{a} \text{ for current month for all machines}}{\text{Number of machines}}$$

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

[b] CFKIA = current FKI average for a specific physical property of a specific linerboard grade weight obtained during a given month.