

BASE-LINE
2nd Quarter, 1980

**CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR APRIL,
MAY, JUNE, 1980)**

Project 2694-1

**Report Seventy-Six
A Progress Report**

to

**THE FOURDRINIER KRAFT BOARD GROUP
OF THE
AMERICAN PAPER INSTITUTE**

August 29, 1980

Georgia-Pacific Corporation

Your machine is identified in this report
by the following code number.

Toledo No. 1 F1

BASE-LINE
2nd QUARTER, 1980

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 APRIL, MAY, JUNE, 1980)

SUMMARY

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

Linerboard Grade Wt.		Moisture Content			
		March	April	May	June
26 Lb	Max. ^a	5.1	5.9	6.1	6.1
	Min. ^a	3.7	3.2	3.5	3.4
	Av. ^b	4.6 (10)	4.9 (9)	4.9 (13)	5.0 (12) 44
33 Lb	Max. ^a	6.6	6.8	6.7	6.4
	Min. ^a	1.4	1.7	1.6	1.7
	Av. ^b	5.2 (21)	5.2 (19)	5.2 (19)	5.1 (22)
38 Lb	Max. ^a	6.3	6.3	6.5	6.5
	Min. ^a	4.0	5.1	4.4	4.6
	Av. ^b	5.2 (18)	5.6 (15)	5.5 (17)	5.6 (18)
42 Lb	Max. ^a	7.1	7.0	7.0	6.9
	Min. ^a	3.6	4.0	3.5	3.8
	Av. ^b	5.8 (37)	5.8 (33)	5.7 (35)	5.6 (40)
69 Lb	Max. ^a	7.9	7.7	7.8	7.8
	Min. ^a	4.7	4.7	4.9	5.0
	Av. ^b	6.4 (24)	6.3 (25)	6.4 (26)	6.4 (25)
90 Lb	Max. ^a	7.3	7.1	7.8	7.5
	Min. ^a	5.2	4.8	4.7	5.0
	Av. ^b	6.4 (12)	6.4 (13)	6.2 (12)	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
(MARCH-JUNE, 1980)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M ft ²			
		March	April	May	June
26 Lb	Max. ^a	27.2	27.0	27.0	27.4
	Min. ^a	26.3	26.1	26.0	26.1
	Av. ^b	26.5 (10)	26.4 (9)	26.4 (13)	26.5 (12)
33 Lb	Max. ^a	34.8	34.6	34.3	34.3
	Min. ^a	32.7	32.4	32.3	32.7
	Av. ^b	33.4 (21)	33.4 (19)	33.5 (19)	33.4 (22)
38 Lb	Max. ^a	39.4	39.3	39.5	39.6
	Min. ^a	38.1	37.9	38.1	37.9
	Av. ^b	38.5 (18)	38.4 (15)	38.4 (17)	38.4 (18)
42 Lb	Max. ^a	43.5	42.8	43.3	43.9
	Min. ^a	41.8	41.6	41.8	41.3
	Av. ^b	42.4 (37)	42.4 (33)	42.4 (35)	42.4 (40)
69 Lb	Max. ^a	71.7	70.6	70.4	71.0
	Min. ^a	68.6	68.7	68.7	68.3
	Av. ^b	69.6 (24)	69.4 (25)	69.5 (26)	69.4 (25)
90 Lb	Max. ^a	92.0	91.7	91.6	92.1
	Min. ^a	89.2	89.8	89.3	89.6
	Av. ^b	90.7 (12)	90.6 (13)	90.6 (12)	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
(MARCH-JUNE, 1980)

Linerboard Grade Wt.		Caliper, pt.,			
		March	April	May	June
26 Lb	Max. ^a	8.7	8.4	8.7	9.1
	Min. ^a	7.5	7.0	7.6	7.5
	Av. ^b	8.0 (10)	8.0 (9)	8.2 (13)	8.2 (12)
33 Lb	Max. ^a	10.9	11.1	11.4	11.0
	Min. ^a	8.8	8.8	9.3	8.8
	Av. ^b	10.0 (20)	9.9 (18)	10.0 (18)	9.8 (21)
38 Lb	Max. ^a	11.7	11.5	12.8	12.0
	Min. ^a	10.3	10.0	10.2	10.0
	Av. ^b	10.9 (16)	10.9 (14)	11.2 (15)	11.0 (16)
42 Lb	Max. ^a	13.3	13.1	13.6	13.3
	Min. ^a	10.6	10.6	10.6	10.5
	Av. ^b	12.0 (35)	12.0 (31)	12.0 (33)	12.0 (38)
69 Lb	Max. ^a	22.8	23.1	23.1	21.0
	Min. ^a	18.1	17.7	18.1	17.3
	Av. ^b	19.9 (23)	19.7 (24)	19.8 (25)	19.5 (24)
90 Lb	Max. ^a	27.7	27.2	27.1	27.3
	Min. ^a	23.7	23.8	23.7	23.8
	Av. ^b	25.6 (12)	25.6 (13)	25.6 (12)	25.7 (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
 (MARCH-JUNE, 1980)

Linerboard Grade Wt.		Bursting Strength, psig			
		March	April	May	June
26 Lb	Max. ^a	74	87	78	80
	Min. ^a	65	62	62	63
	Av. ^b	69 (10)	69 (9)	70 (13)	69 (12)
33 Lb	Max. ^a	94	95	90	96
	Min. ^a	74	75	74	73
	Av. ^b	83 (21)	84 (19)	83 (19)	84 (22)
38 Lb	Max. ^a	106	108	105	109
	Min. ^a	89	89	94	91
	Av. ^b	97 (18)	98 (15)	99 (17)	99 (18)
42 Lb	Max. ^a	113	111	111	115
	Min. ^a	95	95	96	96
	Av. ^b	104 (37)	104 (33)	104 (35)	104 (40)
69 Lb	Max. ^a	148	172	174	183
	Min. ^a	129	130	130	133
	Av. ^b	140 (24)	141 (25)	142 (26)	142 (25)
90 Lb	Max. ^a	180	174	187	179
	Min. ^a	156	161	163	155
	Av. ^b	167 (12)	165 (13)	174 (12)	166 (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

CODE	MOISTURE CONTENT, PERCENT		BASIS WT., LB / M SQ FT		ADJ. BASIS WT.,*A LB / M SQ FT		APRIL, 1980		CALIPER, PT		BURSTING STRENGTH, P S I S	
	CUR. AV.	IND. #B	CUM. #B	FACT. #B	CUR. AV.	IND. #B	CUM. #B	FACT. #B	CUR. AV.	IND. #B	CUM. #B	FACT. #B
A1	3.3	100.0	26.1	26.2	26.2	100.0	100.0	101.2	7.9	72	72	72
C1	5.2	100.0	26.2	26.2	26.8	100.0	101.2	8.8	8.8	64	64	64
E1	3.8	109.5	26.3	26.4	26.4	103.5	101.9	8.0	8.0	70	70	70
G1	4.6	109.5	26.8	27.0	26.8	100.4	101.9	8.2	8.0	102.5	101.2	66
K1	3.2	78.0	25.0	25.5	26.2	98.0	98.9	8.3	8.6	96.5	102.5	87
M1	6.0	100.0	26.2	26.7	26.7	100.4	98.9	8.0	8.0	63	63	63
P1	4.9	100.0	26.1	26.2	26.3	99.6	98.9	7.9	7.9	100.0	97.5	70
Q1	5.9	100.0	25.7	25.7	26.3	100.0	99.6	8.7	8.7	75	75	75
U1	6.0	108.0	25.7	25.6	26.1	100.4	98.8	7.0	7.0	61	61	61
V1	5.4	108.0	25.7	25.6	26.4	100.4	98.8	8.2	8.2	100.0	101.2	71
X1	4.5	108.0	25.2	25.2	26.1	100.4	98.8	8.0	8.0	80	80	80
Y1	4.6	100.0	25.4	25.4	26.3	97.0	98.8	7.8	7.8	69	69	69
Z1	5.4	100.0	25.7	26.5	26.3	97.0	98.8	8.3	8.8	94.3	102.5	64
A2	5.5	112.2	25.8	25.6	26.4	100.8	99.2	8.0	8.0	100.0	98.8	68
D2	5.9	89.4	26.0	26.0	26.1	100.0	100.0	7.0	7.1	98.6	86.4	62
F2	5.6	100.0	25.5	26.1	26.1	100.0	98.5	7.8	7.8	79	79	79
H2	4.4	100.0	25.4	25.6	26.6	99.2	97.7	7.9	8.0	98.8	97.5	65
L2	4.3	102.1	26.1	26.2	27.2	100.0	98.9	7.7	7.7	70	70	70
O2	4.9	90.7	26.1	26.1	26.2	100.0	98.9	8.4	8.3	101.2	103.7	70
R2	5.0	102.1	26.1	26.1	26.9	100.4	98.9	9.3	9.3	68	102.9	101.4
T2	4.0	102.1	25.2	26.2	26.2	100.0	98.9	8.0	8.0	75	75	75
V2	3.9	102.1	25.7	26.8	26.8	100.0	98.9	7.7	7.7	74	74	74
W2	2.7	102.1	25.5	26.9	26.9	100.0	98.9	7.9	7.9	76	76	76
A3	5.8	102.1	26.0	26.1	26.1	100.0	98.9	7.7	7.7	62	62	62

FRBG DATA

CODE	CUR. AV.	IND. #B	CUM. #B	FACT. #B
A1	25.8	26.4	8.0	69
C1	26.0	26.5	8.1	69
E1	99.2	99.6	98.8	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

CCDE	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. #B	IND. #C	CUR. AV. #B	IND. #C	CUR. AV. #B	IND. #C	CUR. AV. #B	IND. #C	CUR. AV. #B	IND. #C									
A1	3.5	106.1	72.9	26.0	26.1	99.6	100.0	26.1	26.2	99.6	98.5	8.1	8.0	101.2	100.0	75	73	102.7	108.7
C1	4.9	94.2	102.1	25.6	26.2	97.7	98.5	26.4	26.8	98.5	99.0	8.5	8.8	96.6	104.9	63	64	98.4	91.3
E1	4.7	123.7	97.9	26.9	26.3	102.3	103.5	27.0	26.4	102.3	101.9	7.9	7.9	100.0	97.5	73	71	102.8	105.8
G1	4.2	100.0	87.5	26.6	26.8	99.2	102.3	26.7	26.9	99.2	100.8	8.4	8.1	103.7	103.7	69	67	103.0	100.0
K1	3.9	95.1	81.2	25.2	25.5	98.8	96.9	26.3	26.5	99.2	99.2	8.3	8.6	96.5	102.5	71	77	94.8	105.8
M1	6.0	93.9	95.8	26.3	26.2	100.4	101.2	26.4	26.3	100.4	99.6	8.4	7.9	106.3	103.7	69	72	95.8	100.0
Q1	5.0	104.0	108.3	25.7	25.6	100.4	98.8	26.4	26.4	100.0	99.6	7.6	8.2	12.7	93.8	69	70	98.6	100.0
V1	4.5	110.2	112.5	25.8	25.6	100.4	99.2	26.5	26.4	100.4	100.0	8.2	8.0	102.5	101.2	69	68	101.5	100.0
X1	4.7	109.3	97.9	25.7	25.6	100.4	98.6	26.6	26.6	100.0	100.4	8.1	8.0	101.2	100.0	65	68	95.6	94.2
L2	4.1	96.2	106.2	26.2	26.1	100.4	100.8	26.3	26.2	100.4	99.2	8.4	8.3	101.7	103.7	68	68	100.0	98.6
O2	5.3	104.0	108.3	26.1	26.1	100.0	100.4	26.9	26.8	99.6	101.1	8.7	9.2	94.6	107.4	71	71	100.0	102.9
R2	5.7	94.0	87.5	26.0	26.0	99.2	96.9	26.3	26.5	99.2	99.2	8.3	8.6	96.5	102.5	71	77	94.8	105.8
T2	4.0	95.1	81.2	25.2	25.5	98.8	96.9	26.3	26.5	99.2	99.2	8.3	8.6	96.5	102.5	71	77	94.8	105.8
V2	3.9	95.1	81.2	25.2	25.5	98.8	96.9	26.3	26.5	99.2	99.2	8.3	8.6	96.5	102.5	71	77	94.8	105.8
W2	2.7	105.2	127.1	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.9	7.7	102.6	97.5	62	62	100.0	89.8
A3	6.0	125.0	125.0	25.9	25.9	99.6	99.6	26.0	26.0	99.6	98.1	7.9	7.9	102.6	97.5	78	78	100.0	113.0
C3	6.0	125.0	125.0	25.9	25.9	99.6	99.6	26.0	26.0	99.6	98.1	7.9	7.9	102.6	97.5	78	78	100.0	113.0

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

FKBG DATA

CUR. AV.	4.9	26.0	26.4	8.2	70
JUM. AV.	4.8	26.0	26.5	8.1	69
INC. #D	102.1	100.0	99.6	101.2	101.4

TABLE III

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

JUNE, 1980

CODE	MOISTURE CONTE. 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.	FACT. #B	IND. #C	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	FACT. #B	IND. #C	CUM. AV.	FACT. #B	IND. #C								
A1	3.4	3.3	103.0	70.8	26.0	26.1	99.6	100.0	26.1	26.2	99.6	98.5	8.5	8.0	106.2	104.9	74	74	100.0	107.2
C1	3.9	5.1	76.5	81.2	26.1	26.0	100.4	100.4	27.2	26.7	101.9	102.6	9.1	8.7	104.6	112.3	63	64	98.4	91.3
E1	4.5	3.9	115.4	93.8	26.1	26.3	99.2	100.4	26.2	26.4	99.2	98.9	7.8	7.9	98.7	96.3	70	71	98.6	101.4
G1	4.3	4.2	102.4	89.6	26.7	26.8	99.6	102.7	26.8	26.8	100.0	101.1	8.1	8.2	98.8	100.0	69	67	103.0	100.0
K1	4.1				25.5	26.5							8.5				78			
M1	5.8	6.0	96.7	120.8	26.0	26.2	99.2	100.0	26.6	26.7	99.6	100.4	7.7	8.0	96.2	95.1	64	63	101.6	92.8
P1	4.9				26.2	26.3							8.0				71			
Q1	6.0	6.0	100.0	125.0	25.6	25.7	99.6	98.5	26.1	26.2	99.6	98.5	8.7	8.7	100.0	107.4	80	77	103.9	115.9
U1	6.1				26.3	26.4							6.9				62			
V1	5.1	5.0	102.0	106.2	25.7	25.6	100.4	98.8	26.4	26.4	100.0	99.6	7.5	8.1	92.6	92.6	69	70	98.6	100.0
X1	4.5				25.2	26.1							8.0				80			
Y1	4.7				25.4	26.2							7.8				69			
Z1	5.4				26.3	27.0							8.6				65			
A2	5.3	5.0	106.0	110.4	25.7	25.6	100.4	98.8	26.4	26.4	100.0	99.6	8.2	8.0	102.5	101.2	70	68	102.9	101.4
D2	6.5				26.0	26.1							7.1				62			
F2	5.6				25.5	26.1							8.0				79			
H2	4.7	4.2	111.9	97.9	25.8	25.5	101.2	99.2	26.7	26.5	100.8	100.8	8.0	8.0	100.0	98.8	67	68	98.5	97.1
L2	4.3				26.2	27.2							7.7				70			
O2	5.3	5.2	101.9	110.4	26.1	26.1	100.0	100.4	26.2	26.2	100.0	98.9	8.7	8.3	104.8	107.4	70	68	102.9	101.4
R2	5.0	5.0	100.0	104.2	26.6	26.1	101.9	102.3	27.4	26.9	101.8	103.4	9.1	9.2	98.9	112.3	67	70	95.7	97.1
T2	4.0				25.2	26.2							8.0				75			
V2	3.9				26.0	27.0							8.0				72			
W2	2.7				25.5	26.9							7.9				76			
A3	6.1	5.8	105.2	127.1	26.1	26.0	100.4	100.4	26.2	26.1	100.4	98.9	7.6	7.7	98.7	93.8	64	62	103.2	92.8
C3	6.0				25.9	26.0							7.9				78			

FXRG DATA

CUR.	26.0	26.5	8.2	69
AV.	5.0			
CUM.	26.0	26.5	8.1	69
AV.	4.8			
IND.	100.0	100.0	101.2	100.0
#D	104.2			

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

CODE	MOISTURE CONTENT, PERCENT		BASIS WT., LB / M SQ FT		ADJ. BASIS WT., LB / M SQ FT		APRIL, 1980		CALIPER, PT		BURSTING STRENGTH, P S I G	
	MACHINE DATA		MACHINE DATA		MACHINE DATA		MACHINE DATA		MACHINE DATA		MACHINE DATA	
	CUR. AV.	IND. #B	CUM. AV.	IND. #C	CUR. AV.	IND. #B	CUM. AV.	IND. #C	CUR. AV.	IND. #P	CUM. AV.	IND. #B
A1	4.1	89.5	34.7	32.0	99.7	97.9	34.2	33.1	10.3	10.4	99.0	104.0
B1	1.7	1.9	89.5	34.7	32.1	32.2	99.7	97.9	10.3	10.4	99.0	104.0
C1	5.2	5.6	92.8	106.1	32.8	33.5	97.9	100.0	33.7	34.2	98.5	100.6
E1	4.9	4.4	111.4	100.0	33.1	33.2	99.7	100.9	33.3	33.4	99.7	99.4
F1	3.3	3.0	110.0	87.3	33.0	33.2	99.4	100.6	33.3	33.4	99.7	97.4
G1	5.1	4.4	115.9	104.1	33.3	33.7	98.8	101.5	33.4	33.8	98.8	99.7
H1	4.8	4.0		33.1		33.1		33.2		9.0		80
J1	4.0	4.0		32.1		33.3		33.3		9.9		83
K1	4.3	5.1	84.3	87.8	32.0	32.5	98.5	97.6	33.2	33.4	99.4	99.1
M1	5.9	6.2	95.2	120.4	33.9	33.8	100.3	103.4	34.6	34.3	100.9	103.3
P1	5.0	4.9	102.0	102.0	33.1	33.1	100.0	100.9	33.2	33.2	100.0	99.1
Q1	6.3	5.0	126.0	128.6	31.9	32.0	99.7	97.2	32.4	33.0	98.2	96.7
R1	5.5			33.4		33.4		33.7		9.9		91
U1	6.8	6.3	107.4	138.8	33.0	33.2	99.4	100.6	33.1	33.3	99.4	98.8
V1	5.9	5.2	113.5	120.4	32.7	32.4	100.9	99.7	33.4	33.3	100.3	99.7
X1	5.5	5.8	98.2	112.2	32.1	32.2	99.7	97.9	32.9	32.9	100.0	98.2
Y1	5.1	5.2	98.1	104.1	32.7	32.6	100.3	99.7	33.6	33.5	100.3	100.3
A2	5.3	5.0	106.0	108.2	32.6	32.5	100.3	99.4	33.5	33.6	99.7	100.0
B2	5.9	5.8	101.7	120.4	33.3	33.2	100.3	101.5	33.4	33.3	100.3	99.7
D2	6.4			32.8		32.8		33.0		9.6		86
E2	3.1			32.5		32.5		33.9		9.7		88
F2	4.7			32.2		32.2		33.3		9.8		94
G2	5.1			32.6		32.6		33.6		9.4		88
H2	4.9	4.5	108.9	100.0	32.5	32.3	100.6	99.1	33.5	33.5	100.0	100.0
L2	5.8	5.1	113.7	118.4	33.1	32.9	100.6	100.9	33.8	33.9	99.7	100.9
O2	5.7	5.9	96.6	116.3	33.1	33.0	100.3	100.9	33.2	33.1	100.3	99.1
R2	5.2			33.0		33.0		33.9		10.5		86
T2	4.2			32.2		32.2		33.4		10.1		89
V2	4.6			32.2		32.2		33.3		8.9		92
W2	2.9			32.0		32.0		33.7		9.8		92
Y2	6.6	6.2	106.4	134.7	32.7	32.5	100.6	99.7	33.1	33.0	100.3	98.8
A3	5.9			33.0		33.0		33.1		9.5		81

FKGG DATA

CUR. AV.	IND. #D	CUM. AV.	IND. #D
5.2	32.8	33.4	9.9
4.9	32.4	33.5	9.9
106.1	100.0	99.7	100.0

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

MAY, 1980

CODE	MOISTURE CONTENT, PERCENT		BASIS WT., LB / M SQ FT		ADJ. BASIS WT., LB / M SQ FT		CALIPER, PT		HURSTING STRENGTH, P S I G											
	MACHINE DATA		MACHINE DATA		MACHINE DATA		MACHINE DATA		MACHINE DATA											
	CUR. AV.	FACT. *B	IND. *C	AV.	FACT. *B	IND. *C	CUR. AV.	FACT. *B	IND. *C	CUR. AV.	FACT. *B	IND. *C								
A1	4.2	88.9	32.6	33.0	97.9	99.4	32.7	33.8	96.7	97.6	10.2	10.4	98.1	103.0	82	81	101.2	97.6		
P1	1.6	91.1	104.1	32.1	32.2	99.7	34.3	34.2	100.3	102.4	10.1	10.4	97.1	102.0	84	88	95.4	100.0		
C1	5.1	91.1	104.1	33.1	33.4	99.1	100.9	34.1	34.2	99.7	101.8	10.9	11.0	99.1	110.1	74	77	96.1	88.1	
E1	5.3	4.4	120.4	108.2	33.9	33.2	102.1	103.4	34.1	33.4	102.1	101.8	9.6	9.6	100.0	97.0	82	83	98.8	97.6
F1	2.6	3.0	86.7	53.1	32.0	33.0	97.0	97.6	32.3	33.4	96.7	96.4	9.3	10.0	93.0	93.9	83	81	102.2	98.8
G1	4.5	117.8	108.2	32.6	33.7	96.7	99.4	32.7	33.8	96.7	97.6	10.2	10.4	98.1	103.0	82	81	101.2	97.6	
H1	4.8			33.1																
J1	4.2			32.2																
K1	5.0	104.0	106.1	32.6	32.4	100.6	99.4	33.5	33.4	100.3	100.0	11.4	11.0	103.6	115.2	84	90	93.3	100.0	
M1	6.2	100.0	126.5	33.2	33.7	98.5	101.2	33.8	34.3	98.5	100.9	9.7	10.0	97.0	98.0	78	78	100.0	92.8	
P1	4.9	100.0	100.0	33.2	33.1	100.3	101.2	33.3	33.2	100.3	99.4	10.0	9.8	107.0	101.0	83	87	95.4	98.8	
O1	5.0			32.0																
R1	5.5			33.4																
U1	6.7	6.4	106.7	136.7	33.1	33.2	99.7	100.9	33.2	33.3	99.7	99.1	9.4	9.2	107.2	94.9	82	83	98.8	97.6
V1	5.9	5.3	111.3	120.4	33.2	32.4	102.5	101.2	33.9	33.3	101.8	101.2	10.0	10.5	95.2	101.0	82	84	97.6	97.6
X1	5.7	5.6	101.8	116.3	32.1	32.1	100.0	97.9	32.8	32.9	99.7	97.9	9.3	9.7	95.9	93.9	86	88	97.7	102.4
Y1	5.0	5.2	96.2	102.0	32.7	32.6	100.3	99.7	33.7	33.5	100.6	100.6	10.1	9.8	103.1	102.0	80	82	97.6	95.2
A2	5.3	5.0	106.0	108.2	32.7	32.6	100.3	99.7	33.6	33.6	100.0	100.3	10.4	10.2	107.0	105.0	80	79	101.3	95.2
B2	5.8	5.8	100.0	118.4	33.4	33.2	100.6	101.8	33.5	33.3	100.6	100.0					87	85	102.4	103.6
D2	6.4			32.8																
E2	3.1			32.5																
F2	4.7			32.2																
G2	5.0			32.6																
H2	4.8	4.4	109.1	98.0	32.2	32.3	99.7	98.2	33.3	33.5	99.4	99.4	9.5	9.4	101.1	96.0	83	86	96.5	98.8
L2	5.5	5.2	105.8	112.2	33.0	32.9	100.3	100.6	33.8	33.8	100.0	100.9	10.5	10.1	104.0	106.1	83	78	106.4	98.9
O2	6.1	5.9	103.4	124.5	33.0	33.0	100.0	100.6	33.1	33.1	100.0	98.8	10.6	9.8	108.2	107.1	81	81	100.0	96.4
R2	4.9	5.2	94.2	100.0	32.8	33.0	99.4	100.0	33.8	33.9	99.7	100.9	10.4	10.5	99.0	105.0	90	86	104.6	107.1
T2	4.2			32.2																
V2	4.6			32.2																
W2	2.9			32.0																
Y2	6.5	6.2	104.8	132.6	32.6	32.5	100.3	99.4	33.1	33.1	100.0	98.8	9.4	9.4	100.0	94.9	86	83	103.6	102.4
A3	5.9			33.0																

FKBG DATA

CUR. AV.	5.2	32.8	33.5	10.0	81
CUM. AV.	4.9	32.8	33.5	9.9	84
IND. *D	106.1	100.0	101.0	98.8	

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
JUNE, 1980

CODE	MOISTURE CONTENT, PERCENT			BASIS WT.,* LB / M SQ FT			ADJ. BASIS WT.,** LB / M SQ FT			CALIPER, PT			BURSTING STRENGTH, P S I G							
	MACHINE DATA			MACHINE DATA			MACHINE DATA			MACHINE DATA			MACHINE DATA							
	CUR. AV.	FACT. #B	IND. #C	CUR. AV.	FACT. #B	IND. #C	CUR. AV.	FACT. #B	IND. #C	CUR. AV.	FACT. #B	IND. #C	CUR. AV.	FACT. #B	IND. #C					
A1	4.2			33.0			33.1			10.1			89							
A1	1.7-1.8	94.4	34.7	32.0	32.2	99.4	97.6	34.1	34.2	99.7	101.8	10.4	10.4	100.0	105.0	86	88	97.7	102.4	
C1	3.6	5.5	65.4	73.5	32.8	33.4	98.2	100.0	34.3	34.2	100.3	102.4	11.0	11.0	100.0	111.1	73	77	94.8	86.9
E1	4.9	4.5	108.9	100.0	33.0	33.2	99.4	100.6	33.2	33.4	99.4	99.1	10.2	9.7	105.2	103.0	82	83	98.8	97.6
F1	3.1	3.0	103.3	63.3	32.4	33.0	98.2	98.8	32.7	33.3	98.2	97.6	9.7	10.0	97.0	98.0	77	81	95.1	91.7
G1	4.6	4.6	100.0	93.9	32.9	33.6	97.9	100.3	33.0	33.6	98.2	98.5	10.3	10.4	99.0	104.0	81	81	100.0	96.4
H1	4.8			33.1			33.2			9.0			83							
J1	4.4			32.3			33.4			10.0			95							
K1	5.0			32.4			33.4			11.0			89							
M1	5.8	6.2	93.5	118.4	33.3	33.6	99.1	101.5	34.0	34.2	99.4	101.5	9.6	10.0	96.0	97.0	77	78	98.7	91.7
P1	5.0	4.9	102.0	102.0	33.1	33.1	100.0	100.9	33.2	33.2	100.0	99.1	9.5	9.8	96.9	96.0	88	86	102.3	104.8
Q1	5.0			32.0			33.0			10.8			107							
R1	5.5			33.5			33.8			9.8			90							
U1	6.4	6.4	100.0	130.6	32.9	33.2	99.1	100.3	33.0	33.3	99.1	98.5	9.0	9.2	97.8	90.9	84	83	101.2	100.0
V1	5.7	5.4	105.6	116.3	32.6	32.5	100.3	99.4	33.3	33.4	99.7	99.4	9.7	10.4	93.3	98.0	81	84	96.4	96.4
X1	5.8	5.6	103.6	118.4	32.7	32.1	100.3	98.2	32.9	32.9	100.0	98.2	8.8	9.6	91.7	88.9	93	88	105.7	110.7
Y1	5.3	5.2	101.9	108.2	32.7	32.6	100.3	99.7	33.6	33.5	100.3	100.3	9.7	9.8	99.0	98.0	79	82	96.3	94.0
A2	5.4	5.0	108.0	110.2	32.6	32.6	100.0	99.4	33.4	33.6	99.4	99.7	10.0	10.2	98.0	101.0	82	80	102.5	97.6
B2	5.8	5.8	100.0	118.4	33.1	33.2	99.7	100.9	33.2	33.3	99.7	99.1					83	85	97.6	98.8
D2	6.4			42.8			33.0			9.6			83							
E2	3.1			32.5			33.9			9.7			88							
F2	5.0	4.8	104.2	102.0	32.3	32.3	100.0	98.5	33.3	33.4	99.7	99.4	9.6	9.8	98.0	97.0	90	95	94.7	107.1
G2	5.0			32.6			33.6			9.6			85							
H2	5.2	4.4	118.2	106.1	32.5	32.3	100.6	99.1	33.4	33.5	99.7	99.7	9.5	9.4	101.1	96.0	84	86	97.7	100.0
L2	5.1	5.2	98.1	104.1	33.0	32.9	100.3	100.6	34.0	33.8	100.6	101.5	10.0	10.2	98.0	101.0	78	78	100.0	92.8
O2	5.9	5.9	100.0	120.4	33.0	33.0	100.0	100.6	33.1	33.1	100.0	98.8	9.7	9.8	99.0	98.0	84	81	103.7	100.0
R2	5.9	5.2	113.5	120.4	33.1	33.0	100.3	100.9	33.8	33.9	99.7	100.9	10.5	10.4	101.0	106.1	86	86	100.0	102.4
T2	4.3			32.2			33.4			10.1			87							
V2	4.8	4.6	104.3	98.0	32.4	32.2	100.6	98.8	33.5	33.3	100.6	100.0	9.1	8.9	102.2	91.9	93	90	103.3	110.7
W2	2.9			32.0			33.7			9.7			92							
Y2	6.1	6.2	98.4	124.5	32.5	32.5	100.0	99.1	33.1	33.1	100.0	98.8	9.5	9.4	101.1	96.0	84	83	101.2	100.0
A3	5.9	5.9	100.0	120.4	32.8	33.0	99.4	100.0	32.9	33.1	99.4	98.2	9.6	10.1	95.0	97.0	84	83	101.2	100.0
C3	6.1			124.5	31.2		101.2	33.3					99.4	10.1						

FKBC DATA

CUR. AV.	5.1	32.7	33.4	4.8	84
CUM. AV.	4.9	32.8	33.5	4.8	84
IND. #C	104.1	99.7	99.7	99.0	100.0

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

TABLE VII
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIERS 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.	IND. #B	CUR. AV.	IND. #B	CUR. AV.	IND. #B	CUR. AV.	IND. #B	CUR. AV.	IND. #B											
A1	6.0	4.7	127.6	113.2	38.1	38.0	100.3	100.8	38.2	38.2	100.0	99.5	11.3	11.3	100.0	103.7	106	102	103.5	109.3	
D1	5.5	5.9	93.2	103.8	37.6	37.7	99.7	99.5	38.5	38.4	100.3	100.3	10.8	11.5	93.9	99.1	94	93	101.1	96.9	
E1	5.6	4.7	119.1	105.7	38.0	38.2	99.5	100.5	38.2	38.4	99.5	99.5	10.4	10.9	95.4	95.4	95	94	101.1	97.9	
G1	4.6	5.2	101.9	100.0	38.1	38.3	99.5	100.8	38.2	38.4	99.5	99.5	10.0	10.2	98.0	91.7	96	94	102.1	99.0	
H1	5.3	4.0	5.2	101.9	100.0	38.1	38.3	99.5	100.8	38.2	38.4	99.5	99.5	10.0	10.2	98.0	91.7	96	94	102.1	99.0
J1	5.3	4.0	5.2	101.9	100.0	38.1	38.3	99.5	100.8	38.2	38.4	99.5	99.5	10.0	10.2	98.0	91.7	96	94	102.1	99.0
K1	5.9	6.6	4.7	101.9	100.0	38.1	38.3	99.5	100.8	38.2	38.4	99.5	99.5	10.0	10.2	98.0	91.7	96	94	102.1	99.0
N1	6.6	5.9	93.2	103.8	37.6	37.7	99.7	99.5	38.5	38.4	100.3	100.3	10.8	11.5	93.9	99.1	94	93	101.1	96.9	
O1	4.7	5.3	96.2	96.2	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.0	10.1	99.1	100.9	99	98	101.0	102.1	
P1	5.1	5.3	96.2	96.2	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.0	10.1	99.1	100.9	99	98	101.0	102.1	
R1	5.4	5.6	96.4	101.9	38.4	38.4	100.0	101.6	38.7	38.7	100.0	100.8	10.5	10.7	98.1	96.3	103	97	106.2	106.2	
X1	5.9	6.1	96.7	111.3	37.1	37.3	99.5	98.1	37.9	38.0	99.7	98.7	11.1	11.2	99.1	101.8	99	99	100.0	102.1	
Y1	5.4	5.4	106.1	111.3	37.6	37.6	100.0	100.0	38.6	38.6	100.0	100.0	11.0	11.0	94.8	100.9	91	91	100.0	93.8	
A2	5.9	5.0	118.0	111.3	37.8	37.4	101.1	100.0	38.6	38.5	100.2	100.5	11.0	11.6	94.8	100.9	91	91	100.0	93.8	
B2	5.9	5.8	101.7	111.3	38.3	38.2	100.3	101.3	38.4	38.3	100.3	100.0	10.9	11.2	97.3	100.0	108	99	109.1	111.3	
F2	5.2	4.9	106.1	98.1	37.4	37.1	100.8	98.9	38.4	38.3	100.3	100.0	10.9	11.2	97.3	100.0	108	99	109.1	111.3	
H2	5.6	5.2	107.7	105.7	37.5	37.4	100.3	99.2	38.4	38.5	99.7	100.0	11.2	11.0	101.8	102.8	94	96	97.9	98.9	
L2	5.2	4.7	110.6	98.1	37.7	37.6	100.3	99.7	38.8	38.9	99.7	101.0	11.4	11.3	100.9	104.6	89	88	101.1	91.8	
M2	4.4	4.4	110.6	98.1	37.7	37.6	100.3	99.7	38.8	38.9	99.7	101.0	11.4	11.3	100.9	104.6	89	88	101.1	91.8	
O2	6.3	6.5	96.9	118.9	37.9	38.0	99.7	100.3	38.0	38.0	100.0	99.0	10.9	10.9	100.0	100.0	94	92	102.2	96.9	
R2	5.1	5.1	110.4	100.0	39.2	39.2	100.0	103.7	39.3	39.3	100.0	102.3	11.5	11.2	102.7	105.5	98	96	102.1	101.0	
S2	5.3	4.8	110.4	100.0	39.2	39.2	100.0	103.7	39.3	39.3	100.0	102.3	11.5	11.2	102.7	105.5	98	96	102.1	101.0	
T2	5.6	5.7	98.2	105.7	37.4	37.6	99.5	98.9	38.3	38.4	99.7	99.7	10.1	10.9	92.7	92.7	104	101	103.0	107.2	
V2	5.1	5.1	106.1	111.3	37.6	37.6	100.0	100.0	38.6	38.6	100.0	100.0	11.0	11.0	94.8	100.9	91	91	100.0	93.8	
W2	3.1	3.1	106.1	111.3	37.6	37.6	100.0	100.0	38.6	38.6	100.0	100.0	11.0	11.0	94.8	100.9	91	91	100.0	93.8	
Y2	6.6	6.6	4.7	101.9	100.0	38.1	38.3	99.5	100.8	38.2	38.4	99.5	99.5	10.0	10.2	98.0	91.7	96	94	102.1	99.0
Z2	5.5	5.5	96.2	96.2	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.0	10.1	99.1	100.9	99	98	101.0	102.1	

FKRG DATA

CUR.	37.9	38.4	10.9	98
AV.	37.9	38.4	10.9	98
CUM.	37.8	38.4	10.9	97
AV.	37.8	38.4	10.9	97
IND.	100.3	100.0	100.0	101.0
*D 105.7				

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
MAY, 1980

CODE	MOISTURE CONTENT, PERCENT		BASIS WT., LB / M SQ FT		ADJ. BASIS WT., LB / M SQ FT		CALIPER, PT		BURSTING STRENGTH, P S I G											
	MACHINE DATA		MACHINE DATA		MACHINE DATA		MACHINE DATA		MACHINE DATA											
	CUR. AV.	IND. #B	FACT. #C	IND. #C	CUR. AV.	IND. #B	FACT. #C	IND. #C	CUR. AV.	IND. #B	FACT. #C	IND. #C								
A1	5.6	4.8	116.7	105.7	38.0	38.1	99.7	100.5	38.1	38.2	99.7	99.2	11.2	11.4	98.2	102.8	102	102	100.0	105.2
O1	5.8	5.9	98.3	109.4	37.5	37.6	99.7	99.2	38.3	38.4	99.7	99.7	10.9	11.4	95.6	100.0	94	93	101.1	96.9
E1	5.8	4.8	120.8	109.4	38.1	38.2	99.7	100.8	38.3	38.4	99.7	99.7	12.8	10.9	117.4	117.4	95	94	101.1	97.9
G1	4.7	5.2	105.8	103.8	38.1	38.3	99.5	100.8	38.2	38.9	99.5	99.5	11.5	11.5			98	95	103.2	101.0
H1	5.5	5.2	105.8	103.8	38.1	38.3	99.5	100.8	38.2	38.4	99.5	99.5	11.0	11.0			102	102	101.0	106.2
J1	4.0	4.0	74.6	83.0	37.2	37.7	98.7	98.4	38.6	38.4	100.5	100.5	11.2	11.1	100.9	102.8	103	102	101.0	106.2
K1	4.4	6.6	106.4	94.3	38.1	38.2	99.7	100.8	38.2	38.3	99.7	99.5	10.9	10.0	109.0	100.0	102	103	99.0	105.2
N1	5.0	4.7	106.4	94.3	38.1	38.2	99.7	100.8	38.2	38.3	99.7	99.5	10.9	10.0	109.0	100.0	102	103	99.0	105.2
O1	5.1	5.2	98.1	96.2	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.1	11.1	100.0	101.8	95	98	96.9	97.9
P1	5.4	5.6	96.4	101.9	38.4	38.4	100.0	101.6	38.7	38.7	100.0	100.8	11.0	10.6	103.8	100.9	104	97	107.2	107.2
R1	6.5	6.0	108.3	122.6	37.6	37.2	101.1	99.5	38.1	38.0	100.3	99.2	11.6	11.2	103.6	106.4	97	99	98.0	100.0
X1	5.4	5.4			37.6	37.6			38.6	38.6			11.0	11.0			97	97		
Y1	5.1	5.1			37.4	37.4			38.5	38.5			11.5	11.5			91	91		
A2	5.8	5.8	100.0	109.4	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.9	11.9	109.2		95	94	101.1	97.9
B2	5.3	5.3	100.0	100.0	38.5	38.5	101.8	99.5	38.5	38.5	102.9	102.9	11.2	11.2	101.8	109.2	96	96	105.0	99.0
E2	4.6	4.9	93.9	86.8	37.2	37.1	100.3	98.4	38.5	38.3	100.5	100.3	11.1	11.2	99.1	101.8	105	100	105.0	108.2
F2	5.6	5.2	107.7	105.7	37.8	37.4	101.1	100.0	38.7	38.5	100.5	100.8	11.2	11.0	101.8	102.8	96	96	100.0	99.0
H2	4.8	4.8			37.6	37.6			38.9	38.9			11.3	11.3			88	88		
L2	4.6	4.6			37.4	37.4			38.8	38.8			9.6	9.6			97	97		
M2	6.4	6.4	100.0	120.8	38.0	38.0	100.0	100.5	38.1	38.0	100.3	99.2	11.4	10.9	104.6	104.6	94	92	102.2	96.9
O2	5.1	5.1			38.0	38.0			39.1	39.1			11.6	11.6			98	98		
S2	4.9	4.9			39.2	39.2			39.3	39.3			11.3	11.3			96	96		
T2	5.3	5.8	91.4	100.0	37.3	37.6	99.2	98.7	38.3	38.4	99.7	99.7	10.7	10.8	99.1	98.2	102	101	101.0	105.2
V2	5.3	5.1	103.9	100.0	37.4	37.2	100.5	98.9	38.4	38.2	100.5	100.0	10.3	10.3	100.0	94.5	100	101	99.0	103.1
W2	3.1	3.1			36.6	36.6			38.5	38.5			10.2	10.2			103	103		
Y2	6.6	6.6			37.1	37.1			37.6	37.6			11.0	11.0			91	91		
Z2	5.5	5.5	100.0	101.8	37.7	37.5	100.5	99.7	38.6	38.4	100.5	100.5	10.2	10.5	97.1	93.6	103	100	103.0	106.2

FRBC DATA

CUR. AV.	5.5	37.8	38.4	11.2	99
CUM. AV.	5.3	37.8	38.4	10.9	97
IND. #U	103.8	100.0	100.0	102.8	102.1

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

TABLE IX
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 L8 FOURDRINIER KRAFT LINERBOARD
JUNE, 1980

CCCE	MOISTURE CONTENT, PERCENT		BASIS WT., LB / M SQ FT		ADJ. BASIS WT.,*A LB / M SQ FT		CALTPEK, PT		BURSTING STRENGTH, P S I G												
	MACHINE DATA		MACHINE DATA		MACHINE DATA		MACHINE DATA		MACHINE DATA												
	CUR. AV.	FACT. IND. #C	CUR. AV.	FACT. IND. #C	CUR. AV.	FACT. IND. #C	CUR. AV.	FACT. IND. #B	CUR. AV.	FACT. IND. #C											
A1	5.8	4.8	120.8	109.4	38.1	100.0	100.8	38.2	100.0	99.5	11.7	11.4	102.6	107.3	103	102	101.0	106.2			
B1	4.6	86.8	38.3	101.3	39.6	103.1	103.1	12.0	110.1	95	93	100.0	95.9	97.9							
O1	6.5	5.9	110.2	122.6	38.4	37.6	102.1	101.6	38.9	38.3	101.6	101.3	10.8	11.3	95.6	99.1	93	93	100.0	95.9	
E1	4.8	106.2	96.2	38.0	38.2	99.5	100.5	38.2	38.4	99.5	99.5	11.2	11.1	100.9	102.8	95	94	101.1	97.9		
G1	4.7	5.2	109.6	107.5	38.3	38.2	100.3	101.3	38.4	38.9	100.0	100.0	10.2	11.5			99	95	104.2	102.1	
J1	4.0	6.6	101.7	111.3	37.7	37.6	100.3	99.7	38.5	38.2	100.0	100.3	10.8	11.0	97.3	99.1	109	102	106.9	112.4	
K1	6.6	4.7	104.2	92.4	38.1	38.2	99.7	100.8	38.2	38.1	99.5	10.4	10.4			95					
O1	4.9	5.2	107.7	105.7	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	10.9	11.1	98.2	100.0	102	98	104.1	105.2	
P1	5.6	5.6	100.0	105.7	38.5	38.4	100.3	101.8	38.6	38.6	100.5	101.0	11.4	10.7	106.5	104.6	101	98	103.1	104.1	
R1	6.0	6.2	96.8	113.2	37.2	37.3	99.7	98.4	37.9	37.9	100.0	98.7	11.1	11.2	99.1	101.8	108	100	108.0	111.3	
X1	5.4	5.1	98.0	94.3	37.2	37.2	100.0	98.4	38.3	38.2	100.3	99.7	10.5	10.3	101.9	96.3	100	101	99.0	103.1	
Y1	5.4	4.6	98.4	118.4	37.9	38.0	99.7	100.3	38.0	38.8	99.7	99.0	11.5	11.0	104.5	105.5	91	92	98.9	93.8	
A2	5.1	5.8	101.7	111.3	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.9	11.3	98.2	100.9	101	101	100.0	104.1	
B2	5.3	4.9	98.0	90.6	37.1	37.2	99.7	98.1	38.3	38.3	100.0	99.7	11.0	11.2	98.2	100.9	101	101	100.0	104.1	
C2	5.3	5.1	109.8	105.7	37.5	37.4	100.3	99.2	38.4	38.5	99.7	100.0	11.3	11.0	102.7	103.7	94	96	97.9	96.9	
L2	4.8	4.8	109.8	105.7	37.5	37.6	100.3	99.2	38.4	38.5	99.7	100.0	11.3	11.0	102.7	103.7	94	96	97.9	96.9	
M2	4.6	6.3	6.4	98.4	118.4	37.9	38.0	99.7	100.3	38.0	38.8	99.7	99.0	11.5	11.0	104.5	105.5	91	92	98.9	93.8
O2	5.1	5.5	110.9	109.4	37.5	37.5	100.0	99.2	38.3	38.4	99.7	99.7	10.9	10.8	100.9	100.0	100	101	99.0	103.1	
S2	5.5	4.9	112.2	103.8	39.0	39.2	99.5	103.2	39.1	39.3	99.5	101.8	11.3	11.3	100.0	103.7	95	96	99.0	97.9	
T2	5.8	5.7	101.8	109.4	37.5	37.5	100.0	99.2	38.3	38.4	99.7	99.7	10.9	10.8	100.9	100.0	100	101	99.0	103.1	
V2	5.0	5.1	98.0	94.3	37.2	37.2	100.0	98.4	38.3	38.2	100.3	99.7	10.5	10.3	101.9	96.3	100	101	99.0	103.1	
W2	2.8	6.6	109.6	107.5	38.3	38.2	100.3	101.3	38.4	38.4	100.0	100.0	10.2	11.0			99	99			
Y2	6.6	6.1	110.9	115.1	37.8	37.5	100.8	100.0	38.5	38.5	100.0	100.3	10.0	10.5	95.2	91.7	101	101	100.0	104.1	
Z2	6.1	5.5	110.9	115.1	37.8	37.5	100.8	100.0	38.5	38.5	100.0	100.3	10.0	10.5	95.2	91.7	101	101	100.0	104.1	

FRAG DATA

CUR. AV.	CUM. AV.	IND. #D	NOTES
5.6	37.9	38.4	99
5.3	37.8	38.4	97
*D 105.7	100.3	100.0	102.1

NOTE- 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

APRIL, 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.	FACT. #B	IND. #C	AV. #B	IND. #C	CUR. AV.	FACT. #B	IND. #C	CUR. AV.	FACT. #B	IND. #C	CUM. AV.	FACT. #B	IND. #C						
A1	6.7	5.4	124.1	119.6	41.8	42.1	99.3	100.7	41.9	42.2	99.3	98.8	12.5	12.6	99.2	104.2	108	108	100.0	103.8
B1	5.5	5.6	98.2	98.2	41.5	41.5	100.0	100.0	42.5	42.5	100.0	100.2	12.6	12.9	97.7	105.0	102	103	99.0	98.1
C1	5.5	5.8	94.8	98.2	41.6	42.1	98.8	100.2	42.6	43.0	99.1	100.5	13.1	13.4	97.8	109.2	98	98	100.0	94.2
D1	5.7	6.1	93.4	101.8	41.6	41.7	99.8	100.2	42.6	42.4	100.5	100.5	11.5	12.4	92.7	95.8	103	102	101.0	99.0
E1	5.6	4.8	116.7	100.0	42.0	42.1	99.8	101.2	42.2	42.3	99.8	99.5	11.5	11.8	97.4	95.8	106	105	101.0	101.9
F1	4.0	3.6	111.1	71.4	42.2	42.2	100.0	101.7	42.6	42.6	100.0	100.5	13.0	12.8	101.6	106.3	101	99	102.0	97.1
G1	5.1	5.1	98.3	103.6	42.2	42.1	100.2	101.7	42.3	42.2	100.2	99.8	12.3	12.3			105	103	101.9	101.0
H1	4.9	5.6	87.5	87.5	41.3	41.3	100.0	99.5	42.6	42.3	100.7	100.5	11.6	11.8	98.3	96.7	111	116	104.7	106.7
I1	4.9	4.9	87.5	87.5	41.3	41.3	100.0	99.5	42.6	42.3	100.7	100.5	11.6	11.8	98.3	96.7	111	116	104.7	106.7
J1	5.4	5.4	101.9	95.4	42.2	42.1	100.2	101.7	42.3	42.1	100.2	99.8	12.2	12.3	99.2	101.7	106	105	101.0	101.7
K1	5.2	5.2	101.9	95.4	42.2	42.1	100.2	101.7	42.3	42.1	100.2	99.8	12.2	12.3	99.2	101.7	106	105	101.0	101.7
L1	5.6	6.4	101.6	116.1	41.0	41.2	99.5	98.8	41.6	41.9	99.3	98.1	12.0	12.4	96.8	100.0	108	108	100.0	103.8
M1	6.2	5.3	117.0	110.7	41.9	41.5	101.0	101.0	42.6	42.6	100.0	100.5	12.3	12.1	101.6	102.5	96	96	100.0	92.3
N1	6.9	6.8	101.5	123.2	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	11.8	11.5	102.6	98.3	101	102	99.0	97.1
O1	4.8	4.8	100.0	95.7	42.1	42.0	100.2	101.4	42.2	42.1	100.2	99.5	11.6	11.3	102.6	96.7	110	108	101.8	105.8
P1	5.4	5.3	101.9	95.4	42.2	42.1	100.2	101.7	42.3	42.1	100.2	99.8	12.2	12.3	99.2	101.7	106	105	101.0	101.7
Q1	5.2	5.2	101.9	95.4	42.2	42.1	100.2	101.7	42.3	42.1	100.2	99.8	12.2	12.3	99.2	101.7	106	105	101.0	101.7
R1	5.8	5.7	101.8	104.6	42.3	42.4	99.8	101.9	42.7	42.8	99.8	100.7	12.0	11.8	101.7	100.0	108	108	100.0	103.8
S1	6.2	5.3	117.0	110.7	41.9	41.5	101.0	101.0	42.6	42.6	100.0	100.5	12.3	12.1	101.6	102.5	96	96	100.0	92.3
T1	3.4	3.4			41.2	41.2			43.2	43.2			12.3	12.3			107	107		
U1	6.7	6.4	104.7	119.6	42.3	42.1	100.5	101.9	42.4	42.2	100.5	100.0	11.1	11.5	96.5	92.5	100	101	99.0	96.2
V1	5.3	5.3	101.6	116.1	41.0	41.2	99.5	98.8	41.6	41.9	99.3	98.1	12.0	12.4	96.8	100.0	110	106	103.8	105.8
X1	6.5	6.4	101.6	116.1	41.0	41.2	99.5	98.8	41.6	41.9	99.3	98.1	12.0	12.4	96.8	100.0	110	106	103.8	105.8
Y1	6.4	6.0	106.7	114.3	41.7	41.5	100.5	100.5	42.3	42.4	99.8	99.8	12.3	12.1	101.6	102.5	101	102	95.0	97.1
Z1	5.2	5.0	104.0	92.8	41.3	41.2	100.2	99.5	42.5	42.4	100.2	100.2	12.4	12.5	99.2	103.3	100	100	100.0	96.2
A2	5.9	5.8	101.7	105.4	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	12.0	12.0	99.2	103.3	102	103	99.3	98.1
B2	5.0	5.0	100.0	89.3	41.6	41.6	100.0	100.2	42.8	42.8	100.0	100.9	11.7	11.5	101.7	97.5	104	107	97.2	100.0
C2	5.7	5.6	101.8	101.8	41.7	41.5	100.5	100.5	42.7	42.5	100.5	100.7	12.8	12.3	104.1	106.7	104	103	101.0	100.0
D2	5.4	5.1	105.9	96.4	41.2	41.1	100.2	99.3	42.3	42.3	100.0	99.8	12.3	12.3	100.0	102.5	111	106	104.7	106.7
E2	6.3	6.2	101.6	112.5	41.7	41.6	100.2	100.5	42.4	42.3	100.2	100.0	11.4	11.5	99.1	95.0	102	102	100.0	98.1
F2	5.4	5.3	101.9	96.4	41.4	41.4	100.0	99.8	42.5	42.5	100.0	100.2	12.3	12.2	100.8	102.5	103	105	98.1	97.0
G2	5.1	5.1	101.9	96.4	41.4	41.4	100.0	99.8	42.5	42.5	100.0	100.2	12.3	12.2	100.8	102.5	103	105	98.1	97.0
H2	5.4	5.3	101.9	96.4	41.4	41.4	100.0	99.8	42.5	42.5	100.0	100.2	12.3	12.2	100.8	102.5	103	105	98.1	97.0
I2	5.1	5.1	101.9	96.4	41.4	41.4	100.0	99.8	42.5	42.5	100.0	100.2	12.3	12.2	100.8	102.5	103	105	98.1	97.0
J2	5.3	5.3	101.9	96.4	41.4	41.4	100.0	99.8	42.5	42.5	100.0	100.2	12.3	12.2	100.8	102.5	103	105	98.1	97.0
K2	6.4	6.4	106.7	114.3	41.7	41.5	100.5	100.5	42.3	42.4	99.8	99.8	12.3	12.1	101.6	102.5	101	102	95.0	97.1
L2	6.0	5.2	115.4	107.1	41.8	41.7	100.2	100.7	42.6	42.9	99.3	100.5	12.7	12.4	102.4	105.8	95	96	94.0	91.3
M2	5.5	5.3	103.8	98.2	41.4	41.3	100.2	99.8	42.4	42.4	100.0	100.0	10.6	10.8	98.1	88.3	109	107	101.9	104.8
N2	6.4	6.5	98.5	114.3	41.9	41.9	100.0	101.0	42.0	42.0	100.0	99.0	12.0	11.7	102.6	100.0	102	102	100.0	98.1
O2	6.2	6.2	101.7	105.4	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	12.0	12.1	101.7	100.0	102	102	100.0	98.1
P2	6.2	6.2	101.7	105.4	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	12.0	12.1	101.7	100.0	102	102	100.0	98.1
Q2	5.9	5.9	101.7	105.4	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	12.0	12.1	101.7	100.0	102	102	100.0	98.1
R2	5.3	5.3	100.0	94.6	42.7	42.4	100.7	102.9	42.8	42.5	100.7	100.9	12.4	12.1	102.5	103.3	104	104	100.0	100.0
S2	6.2	6.0	103.3	110.7	41.7	41.6	100.2	100.5	42.4	42.4	100.0	100.0	11.4	11.8	96.6	95.0	109	107	101.9	104.8
T2	6.2	4.4	140.9	110.7	42.0	42.3	99.3	101.2	42.2	42.5	99.3	99.5	11.7	12.0	97.5	97.5	107	106	100.9	102.9
U2	4.7	5.2	90.4	83.9	41.0	41.2	99.5	98.8	42.4	42.3	100.2	100.0	11.7	11.5	101.7	97.5	108	108	100.0	103.6
V2	3.7	3.7			41.0	41.0			42.8	42.8			11.6	11.6			112	112		
W2	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	98	100	90.0	94.2
X2	6.0	5.9	101.7	107.1	41.4	41.4	100.0	99.8	42.2	42.2	100.0	99.5	10.9	11.4	95.6	90.8	111	105	105.7	106.7
Y2	6.0	5.9	101.7	107.1	41.4	41.4	100.0	99.8	42.2	42.2	100.0	99.5	10.9	11.4	95.6	90.8	111	105	105.7	106.7
Z2	6.0	5.9	101.7	107.1	41.4	41.4	100.0	99.8	42.2	42.2	100.0	99.5	10.9	11.4	95.6	90.8	111	105	105.7	106.7
B3	6.0	5.9	101.7	107.1	41.4	41.4	100.0	99.8	42.2	42.2	100.0	99.5	10.9	11.4	95.6	90.8	111	105	105.7	106.7

FRBC DATA

CUR. AV.	5.8	41.8	42.4	104
CUM. AV.	5.6	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 XI

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

MAY, 1980

CODE	MOISTURE CONTENT, PERCENT			BASIS WT., LB / M SQ FT.			ADJ. BASIS WT., LB / M SQ FT.			CALIPER, PT			BURSTING STRENGTH, P S I G								
	MACHINE DATA			MACHINE DATA			MACHINE DATA			MACHINE DATA			MACHINE DATA								
	CUR. AV.	FACT. #8	IND. #C	CUR. AV.	FACT. #8	IND. #C	CUR. AV.	FACT. #8	IND. #C	CUR. AV.	FACT. #8	IND. #C	CUR. AV.	FACT. #8	IND. #C						
A1	5.6	100.0	100.0	42.1	42.1	100.0	42.5	42.5	100.0	100.2	12.6	12.6	108	108							
B1	5.6	100.0	100.0	41.5	41.5	100.0	42.5	42.5	100.0	100.2	12.8	13.0	98.5	106.7	101	103	98.0	97.1			
C1	5.3	5.0	91.4	94.6	41.6	42.0	99.0	100.2	42.7	43.0	99.3	100.7	13.6	13.4	101.5	113.3	97	98	99.0	93.3	
D1	6.1	6.0	101.7	108.9	41.7	41.6	100.2	100.5	42.5	42.4	100.2	100.2	11.6	12.2	95.1	96.7	101	102	99.0	97.1	
E1	5.7	4.8	118.8	101.8	42.0	42.1	99.8	101.2	42.2	42.3	99.8	99.5	11.9	11.8	100.8	99.2	106	105	101.0	101.9	
F1	3.5	3.0	97.2	62.5	41.4	42.2	98.1	99.8	41.8	42.6	98.1	98.6	12.5	12.9	98.9	104.2	100	100	100.0	96.2	
G1	5.2	5.8	100.0	103.6	42.1	42.1	100.0	101.4	42.2	42.2	100.0	99.5	12.4	12.4	104	105	105	105	101.0	100.0	
H1	5.1	5.5	92.7	91.1	41.1	41.2	99.8	99.0	42.3	42.3	100.0	99.8	12.1	11.7	103.4	100.8	103	107	96.3	99.0	
J1	4.9	4.8	98.0	85.7	40.9	40.9	100.0	98.6	42.2	42.2	100.0	99.5	12.1	12.3	98.4	100.8	111	110	100.9	106.7	
K1	6.3	6.6	95.4	112.5	42.0	41.8	100.5	101.2	42.7	42.4	100.7	100.7	12.0	12.5	98.0	100.0	108	109	99.1	103.8	
L1	5.6	6.8	100.0	121.4	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	11.8	11.5	102.6	98.3	101	102	99.0	97.1	
N1	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	108	109	99.1	103.8	
O1	5.3	5.4	98.1	94.6	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	
Q1	5.2	5.7	100.0	101.8	42.1	42.3	99.5	101.4	42.5	42.7	99.5	100.2	12.3	11.8	104.2	102.5	109	108	100.9	104.8	
R1	6.0	5.4	111.1	107.1	41.7	41.6	100.2	100.5	42.5	42.6	99.8	100.2	12.5	12.1	101.6	102.5	97	96	101.0	93.3	
S1	5.4	7.0	6.4	109.4	125.0	42.1	42.1	100.0	101.4	42.2	42.2	100.0	99.5	11.4	11.4	100.0	95.0	101	101	100.0	97.1
T1	5.3	5.3	98.4	102.5	42.1	42.6	99.8	99.0	41.8	41.8	100.0	98.6	12.3	12.3	100.0	102.5	110	107	102.8	105.8	
X1	6.3	6.4	98.4	112.5	41.1	41.2	99.8	99.0	41.8	41.8	100.0	98.6	12.3	12.3	100.0	102.5	110	107	102.8	105.8	
Y1	5.9	6.0	98.3	105.4	41.5	41.6	99.8	100.0	42.4	42.4	100.0	100.0	12.0	12.1	99.2	100.0	102	101	101.0	98.1	
Z1	5.5	5.0	110.0	98.2	41.5	41.2	100.7	100.0	42.5	42.4	100.2	100.2	12.5	12.5	100.0	104.2	101	100	101.0	97.1	
02	5.9	5.8	101.7	102.4	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	12.1	12.1	100.0	100.0	103	103	100.0	99.0	
C2	5.0	5.0	100.0	89.3	41.7	41.6	100.2	100.5	43.0	42.8	100.5	101.4	11.7	11.5	101.7	97.5	106	107	99.1	101.9	
E2	5.7	5.6	101.8	101.8	41.7	41.6	100.2	100.5	42.7	42.5	100.5	101.4	12.9	12.4	104.0	107.5	101	103	98.0	97.1	
F2	5.0	5.2	96.2	89.3	40.9	41.1	99.5	98.6	42.1	42.3	99.5	99.3	12.1	12.3	98.4	100.8	111	107	103.7	106.7	
G2	6.3	6.2	101.6	112.5	41.6	41.6	100.0	100.2	42.3	42.3	100.0	99.8	11.2	11.5	97.4	93.3	102	102	100.0	98.1	
H2	5.7	5.3	107.5	101.8	41.6	41.4	100.5	100.2	42.6	42.2	100.2	100.5	12.4	12.2	101.6	103.3	103	105	98.1	99.0	
I2	5.1	5.3	93.6	105.4	42.4	42.2	100.5	102.2	43.3	42.8	101.2	102.1	11.9	12.8	93.0	99.2	100	99	101.0	96.2	
J2	5.9	6.3	93.6	105.4	42.4	42.2	100.5	102.2	43.3	42.8	101.2	102.1	11.9	12.8	93.0	99.2	100	99	101.0	96.2	
K2	6.1	5.3	115.0	108.9	41.9	41.8	100.2	101.0	42.7	42.9	99.5	100.7	12.7	12.4	102.4	105.8	96	96	100.0	92.3	
L2	6.1	5.4	113.0	108.9	41.6	41.3	100.7	100.2	42.3	42.4	99.8	99.8	10.6	10.8	98.1	88.3	111	107	103.7	106.7	
M2	6.5	6.5	100.0	116.1	41.9	41.9	100.0	101.0	42.0	42.0	100.0	99.0	11.9	11.8	100.8	99.2	105	102	102.9	101.0	
N2	6.2	6.2	100.0	116.1	41.9	41.9	100.0	101.0	42.0	42.0	100.0	99.0	11.9	11.8	100.8	99.2	105	102	102.9	101.0	
O2	5.9	5.9	98.1	92.8	41.8	41.8	100.0	100.0	42.0	42.0	100.0	99.0	11.9	11.8	100.8	99.2	105	102	102.9	101.0	
P2	5.2	5.2	98.1	92.8	41.8	41.8	100.0	100.0	42.0	42.0	100.0	99.0	11.9	11.8	100.8	99.2	105	102	102.9	101.0	
S2	6.0	6.0	100.0	107.1	41.4	41.6	99.5	99.8	42.2	42.4	100.7	101.2	12.1	12.1	100.0	100.8	106	104	101.9	101.9	
T2	5.6	4.5	124.4	100.0	42.0	42.3	99.3	101.2	42.2	42.5	99.3	99.5	11.8	12.0	98.3	98.3	106	106	100.0	101.9	
U2	5.3	5.2	101.9	94.6	41.2	41.2	100.0	99.3	42.3	42.5	100.0	99.8	11.8	11.5	102.6	98.3	104	107	97.2	100.0	
V2	3.7	6.8	6.0	103.0	121.4	41.6	41.6	100.0	100.2	42.1	42.1	100.0	99.3	11.7	11.9	98.3	97.5	99	100	99.0	95.2
W2	6.2	6.0	103.3	110.7	41.3	41.4	99.8	99.5	42.0	42.2	99.5	99.0	11.1	11.4	97.4	92.5	106	106	100.0	101.9	
X2	6.0	6.0	100.0	107.1	41.6	41.6	100.0	100.2	42.4	42.4	100.0	100.0	11.4	11.9	95.8	95.0	109	111	98.2	104.6	

FKBG DATA

CUR.	AV.	CUM.	IND.
5.7	41.7	12.0	104
5.6	41.5	12.0	104
*0 101.8	100.5	100.0	100.0

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

TABLE XII

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

JUNE, 1980

MOISTURE CONTENT, PERCENT			BASIS WT., LB / M SQ FT			ADJ. BASIS WT., ^{9A} LB / H SQ FT			CALIPER, PT			BURSTING STRENGTH, P S I G								
CODE	MACHINE DATA		CUR. AV.	MACHINE DATA		CUR. AV.	MACHINE DATA		CUR. AV.	MACHINE DATA		CUR. AV.	MACHINE DATA							
	CUM. AV.	FACT. %B		CUM. AV.	FACT. %B		CUM. AV.	FACT. %B		CUM. AV.	FACT. %B		CUM. AV.	FACT. %B	CUM. AV.	FACT. %B				
A1	5.8	5.6	103.6	103.6	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	12.8	12.6	101.6	106.7	109	108	100.9	104.8
H1	5.4	5.6	96.4	96.4	41.4	41.5	99.8	99.8	42.5	42.5	100.0	100.2	13.0	13.0	100.0	108.3	101	103	98.0	97.1
C1	4.3	5.7	75.4	76.8	41.4	42.0	98.6	99.8	43.0	42.9	100.2	101.4	13.3	13.4	99.2	110.8	97	99	99.0	95.3
D1	6.4	6.0	106.7	114.3	42.1	41.6	101.2	101.4	42.7	42.4	100.7	100.7	12.1	12.1	100.0	100.8	102	101	101.0	98.1
F1	5.5	4.9	112.2	98.2	42.0	42.1	99.8	101.2	42.2	42.3	99.8	99.5	12.1	11.8	102.5	100.8	106	106	100.0	101.9
F1	3.8	3.6	105.6	67.8	41.3	42.1	98.1	99.5	41.7	42.5	98.1	98.3	12.4	12.9	96.1	103.3	99	100	99.0	95.2
G1	5.2	5.2	100.0	92.8	41.2	42.6	96.7	99.3	41.3	42.7	96.7	97.4	12.3	12.5	98.4	102.5	104	104	100.0	100.0
H1	5.7	5.8	98.3	101.8	42.3	42.1	100.5	101.9	42.4	42.2	100.5	100.0	11.7	11.7			102	103	99.0	98.1
J1	5.0	4.9	102.0	89.3	40.9	40.9	100.0	98.6	42.1	42.2	99.8	99.3	12.4	12.2	101.6	103.3	111	110	100.9	106.7
K1	6.7	4.9	136.7	119.6	42.1	40.9	102.9	101.4	42.6	42.2	100.9	100.5	11.8	12.3	95.9	98.3	107	110	97.3	102.9
L1	6.6	6.7	101.8	96.4	41.2	41.9	98.3	99.3	42.3	42.4	100.7	99.8	12.2	12.4			105	105	100.0	101.0
M1	6.9	6.8	101.5	123.2	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	11.6	11.6	100.0	96.7	101	102	99.0	97.1
N1	4.9	4.8	102.1	87.5	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	11.3	11.4	99.1	94.2	108	109	99.1	103.8
P1	5.4	5.4	100.0	96.4	42.1	42.1	100.0	101.4	42.2	42.2	100.0	99.5	12.2	12.3	99.2	101.7	106	105	101.0	101.9
Q1	5.1	5.1	101.8	103.6	41.1	41.1	100.0	101.4	42.2	42.2	100.0	99.5	12.1	12.1			114	114	100.0	103.8
R1	5.8	5.7	101.8	103.6	42.3	42.3	100.0	101.9	42.7	42.7	100.0	100.7	12.3	11.9	103.4	102.5	108	108	100.0	103.8
S1	5.9	5.5	107.3	105.4	41.5	41.6	99.8	100.0	42.4	42.6	99.5	100.0	12.2	12.1	100.8	101.7	96	96	100.0	92.3
T1	3.4	3.4			41.2	41.2			43.2	43.2			12.4	12.4			107	107		
U1	6.7	6.5	103.1	119.6	41.9	42.1	99.5	101.0	42.0	42.2	99.5	99.0	11.4	11.4	100.0	95.0	102	101	101.0	98.1
W1	4.9	5.3	92.4	87.5	42.5	42.6	99.8	102.4	42.9	43.0	99.8	101.2	12.3	12.4	99.2	102.5	112	110	101.8	107.7
X1	6.9	6.5	106.2	123.2	41.2	41.2	100.0	99.3	41.6	41.8	99.5	98.1	11.8	12.4	95.2	98.3	111	107	103.7	106.7
Y1	5.8	6.0	96.7	103.6	41.5	41.6	99.8	100.0	42.4	42.4	100.0	100.0	12.0	12.1	99.2	100.0	102	101	101.0	98.1
A2	5.5	5.1	107.8	98.2	41.4	41.2	100.5	99.8	42.4	42.4	100.0	100.0	12.4	12.5	99.2	103.3	101	100	101.0	97.1
B2	6.2	5.8	106.9	110.7	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	10.9	10.9			103	103	100.0	99.0
C2	5.0	5.0	100.0	89.3	41.6	41.6	100.0	100.2	42.8	42.9	99.8	100.9	11.7	11.5	101.7	97.5	105	107	98.1	101.0
E2	5.6	5.7	98.2	100.0	41.5	41.6	99.8	100.0	42.5	42.6	99.8	100.2	12.5	12.5	100.0	104.2	104	103	101.0	100.0
F2	5.0	5.2	96.2	89.3	41.0	41.1	99.8	98.8	42.2	42.3	99.8	99.5	12.1	12.3	98.4	100.8	108	107	100.9	103.8
G2	6.3	6.2	101.6	112.5	41.6	41.6	100.0	100.2	42.3	42.3	100.0	99.8	11.1	11.4	97.4	92.5	102	102	100.0	98.1
H2	5.8	5.3	109.4	103.6	41.5	41.4	100.2	100.0	42.4	42.6	99.5	100.0	12.4	12.2	101.6	103.3	104	105	99.0	100.0
I2	5.1	5.1			41.9	41.9			43.1	43.1			12.3	12.3			117	117		
J2	5.3	5.3			41.6	41.6			42.8	42.8			11.7	11.7			106	106		
K2	5.3	6.2	85.5	94.6	42.7	42.2	101.2	102.9	43.9	42.9	102.3	103.5	11.9	12.7	93.7	99.2	101	99	102.0	97.1
L2	5.5	5.4	101.8	98.2	41.9	41.8	100.2	101.0	42.9	42.8	100.2	101.2	12.3	12.4	99.2	102.5	96	96	100.0	92.3
M2	5.1	5.5	92.7	91.1	41.2	41.3	99.8	99.3	42.4	42.4	100.0	100.0	10.5	10.8	97.2	87.5	106	108	98.1	101.9
O2	6.6	6.5	101.5	117.8	41.9	41.9	100.0	101.0	42.0	42.0	100.0	99.0	12.3	11.8	104.2	102.5	103	102	101.0	99.0
P2	6.3	6.2	101.6	112.5	41.6	41.3	100.7	100.2	42.3	42.0	100.7	99.8	11.1	12.2	91.0	92.5	109	107	101.9	104.8
Q2	5.9	5.9			41.8	41.8			41.8	41.8			12.1	12.1			104	104		
S2	5.4	5.3	101.9	96.4	42.5	42.5	100.0	102.4	42.6	42.6	100.0	100.5	12.4	12.1	102.5	103.3	103	103	98.1	94.0
T2	5.9	6.0	98.3	105.4	41.6	41.6	100.0	100.2	42.5	42.3	100.5	100.2	11.7	11.8	99.2	97.5	103	108	95.4	99.0
U2	5.6	4.6	121.7	100.0	42.0	42.3	99.3	101.2	42.2	42.5	99.3	99.5	11.8	12.0	98.3	98.3	107	106	100.9	102.9
V2	5.1	5.2	98.1	91.1	41.1	41.2	99.8	99.0	42.3	42.3	100.0	99.8	11.9	11.5	103.5	99.0	103	107	96.3	99.0
W2	3.6	3.6			40.9	40.9			42.8	42.8			11.5	11.5			111	111		
Y2	6.6	6.7	98.5	117.8	41.5	41.6	99.8	100.0	42.0	42.1	99.8	99.0	12.0	11.8	101.7	100.0	99	99	100.0	95.2
Z2	6.4	6.1	104.9	114.3	41.5	41.4	100.2	100.0	42.1	42.2	99.8	99.3	11.2	11.4	98.2	93.3	109	106	102.8	104.8
B3	6.2	6.0	103.3	110.7	41.6	41.6	100.0	100.2	42.3	42.4	99.8	99.8	11.5	11.8	97.4	95.8	110	111	99.1	105.8
D3	4.4	4.4			78.6	41.4			42.9	42.9			101.2	11.5	95.8	95.8	115	115		

FKBC DATA

CUR. AV.	5.6	104
CUM. AV.	41.7	12.0
IND. AV.	41.5	12.0
*D 100.0	100.5	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

APRIL, 1980

CONF	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.	FACT. IND. #C	CUR. AV.	FACT. IND. #C	CUR. AV.	FACT. IND. #C	CUR. AV.	FACT. IND. #C	CUR. AV.	FACT. IND. #C										
C1	5.7	103.6	90.5	68.1	68.1	100.0	99.3	69.7	69.8	99.8	100.4	23.1	22.0	105.0	116.1	130	129	100.8	92.8	
D1	7.6	100.0	120.6	68.8	69.0	99.7	100.3	68.9	69.2	99.6	99.3	19.4	21.3	91.1	97.5	138	138	100.0	98.6	
F1	4.7	4.6	102.2	74.6	68.2	68.3	99.8	99.4	68.8	68.9	99.1	21.4	21.0	101.9	107.5	139	139	100.0	99.3	
H1	6.5	6.9	98.2	103.2	68.9	69.0	99.8	100.4	69.1	69.2	99.8	99.6	19.0	20.0	99.0	137	139	98.6	97.8	
J1	4.7	4.9	95.9	74.6	67.1	67.2	99.8	97.8	69.4	69.3	100.1	100.0	20.3	20.2	100.5	102.0	141	142	99.3	100.7
K1	7.1	7.1	69.0	69.0	69.0	69.0	69.2	69.6	69.6	69.6	69.6	20.0	20.0	100.0	100.0	142	142	100.0	100.0	
L1	5.7	7.8	98.7	122.2	68.9	68.9	100.0	100.4	69.1	69.1	100.0	99.6	19.5	19.3	101.0	98.0	135	135	100.0	96.4
N1	6.6	6.1	104.8	104.8	69.1	69.0	100.1	100.7	69.3	69.2	100.1	99.8	19.3	19.2	100.5	97.0	144	143	100.7	102.8
O1	5.7	5.7	100.0	90.5	69.3	69.2	100.1	101.0	69.5	69.4	100.1	100.1	19.5	20.1	97.0	98.0	142	141	100.7	101.4
P1	5.5	87.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	100.9	20.1	101.0	101.0	139	139	100.0	99.3	
R1	7.0	6.9	101.4	111.1	69.2	69.1	100.1	100.9	69.8	69.8	100.0	100.6	19.4	20.4	95.1	97.5	134	134	100.0	95.7
T1	4.0	6.1	101.6	98.4	69.5	69.6	99.8	101.3	70.1	70.2	99.8	101.0	19.3	20.4	94.6	97.0	143	142	100.7	102.1
M1	6.2	6.1	101.6	98.4	69.5	69.6	99.8	101.3	70.1	70.2	99.8	101.0	19.3	20.4	94.6	97.0	143	142	100.7	102.1
X1	6.8	6.7	101.5	107.9	68.0	67.9	100.1	99.1	68.7	68.7	100.0	99.0	20.6	20.8	95.0	103.5	146	143	102.1	104.3
Y1	6.4	6.4	100.0	101.6	68.7	68.6	100.1	100.1	69.7	69.7	100.0	100.4	20.2	20.5	98.5	101.5	136	140	100.0	97.1
B2	5.9	5.9	69.0	69.0	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	19.7	19.7	100.0	100.0	137	137	100.0	97.1
C2	7.1	7.1	100.0	112.7	68.2	68.4	99.7	99.4	68.7	68.9	99.7	99.0	19.1	18.7	102.1	96.0	141	149	94.6	100.7
E2	6.4	6.4	100.0	101.6	68.6	68.5	100.1	100.0	69.6	69.6	100.0	100.3	19.7	19.5	101.0	99.0	143	148	96.6	102.1
F2	6.1	5.7	107.0	96.8	68.1	68.1	100.0	99.3	69.3	69.6	99.6	99.8	20.1	20.3	95.0	101.0	142	140	101.4	101.4
G2	6.7	6.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	19.7	19.7	100.0	100.0	137	137	100.0	97.1
I2	5.5	5.6	98.2	87.3	68.9	68.4	100.7	100.4	70.6	70.0	100.8	101.7	20.1	20.0	100.5	101.0	151	142	106.3	107.8
K2	6.8	6.8	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	21.6	21.6	100.0	100.0	132	132	100.0	97.1
M2	6.6	6.5	101.5	104.8	68.5	68.5	100.0	99.8	69.4	69.5	99.8	100.0	18.1	18.4	98.4	91.0	141	141	100.0	100.7
N2	5.6	5.7	98.2	88.9	68.4	68.3	100.1	99.7	70.0	69.9	100.1	100.9	18.7	18.8	99.5	94.0	137	139	98.6	97.8
P2	6.4	6.4	100.0	101.6	67.7	67.7	100.0	98.7	68.7	68.7	100.0	99.0	18.7	20.2	92.6	94.0	141	143	98.6	100.7
Q2	6.7	6.7	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	20.0	20.0	100.0	100.0	137	137	100.0	97.1
S2	6.7	6.4	104.7	106.3	69.6	69.6	100.0	101.4	69.8	69.8	100.0	100.6	20.1	19.8	101.5	101.0	136	136	100.0	97.1
T2	6.3	6.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	20.0	20.0	100.0	100.0	142	142	100.0	97.1
U2	6.1	5.2	117.3	96.8	69.0	69.1	99.8	100.6	69.3	69.4	99.8	99.8	18.8	19.1	98.4	94.5	141	140	100.7	100.7
W2	3.5	3.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	19.6	19.6	100.0	100.0	158	158	100.0	97.1
X2	6.6	7.2	105.6	120.6	69.3	68.9	100.6	101.0	69.4	69.3	100.1	100.0	18.7	18.8	99.5	94.0	141	144	97.9	100.7
Z2	6.4	6.2	103.2	101.6	68.4	68.5	99.8	99.7	69.4	69.6	99.7	100.0	20.2	20.6	98.0	101.5	139	141	98.6	94.3

FKBG DATA
CUR. AV. 6.3 68.7 69.4 19.7 141
CUM. AV. 6.3 68.6 69.4 19.9 140
IND. #D 100.0 100.0 99.0 100.7

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
MAY, 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.	FACT. *B	CUR. AV.	FACT. *B	CUR. AV.	FACT. *B	CUR. AV.	FACT. *B	CUR. AV.	FACT. *B										
C1	5.7	5.6	101.8	90.5	68.1	68.1	100.0	99.3	69.7	69.8	99.8	100.4	23.1	22.6	102.2	116.1	130	130	100.0	92.8
D1	7.2	7.6	94.7	114.3	69.1	69.1	100.0	100.7	69.6	69.8	100.7	100.3	19.7	21.0	93.8	99.0	141	138	102.2	100.7
F1	5.0	4.6	108.0	79.4	68.1	68.3	99.7	99.3	68.7	68.9	99.7	99.0	21.2	21.0	101.0	106.5	139	139	100.0	99.3
H1	6.8	6.8	100.0	107.9	69.1	69.0	100.1	100.7	69.3	69.2	100.1	99.8	19.0				138	139	99.3	98.6
J1	4.9	4.8	102.1	77.8	67.2	67.2	100.0	98.0	69.3	69.3	100.0	99.8	20.9	20.3	103.0	105.0	145	143	101.4	103.6
K1	6.9	7.1	97.2	109.5	69.3	69.0	100.4	101.0	70.0	69.0	100.6	100.9	20.3	20.0	101.5	102.0	145	142	102.1	103.6
L1	5.7				68.9				69.1				21.4				142			
N1	7.8	7.8	100.0	123.8	68.8	68.9	99.8	100.3	69.0	69.1	99.8	99.4	19.5	19.3	101.0	98.0	137	135	101.5	97.8
O1	6.1	6.3	96.8	96.8	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.7	19.2	97.4	94.0	142	144	98.6	101.4
P1	5.7	5.7	100.0	90.5	69.3	69.2	100.1	101.0	69.5	69.4	100.1	100.1	19.7	20.0	98.5	99.0	141	142	99.3	100.7
R1	5.5	5.5	104.3	114.3	69.2	69.2	100.0	100.9	69.7	69.9	99.7	100.4	19.3	20.3	95.1	97.0	135	134	100.7	96.4
S1	7.2	6.9	104.3	114.3	69.2	69.2	100.0	100.9	69.7	69.9	99.7	100.4	19.3	20.3	95.1	97.0	135	134	100.7	96.4
T1	4.0				67.4				70.0				20.1				139			
W1	6.1	6.1	100.0	96.8	69.3	69.6	99.6	101.0	69.9	70.2	99.6	100.7	19.7	20.3	97.0	99.0	142	142	100.0	101.4
X1	7.0	6.7	104.5	111.1	68.1	67.9	100.3	99.3	69.7	68.7	100.0	99.0	20.6	20.8	99.0	103.5	145	143	101.4	103.6
Y1	6.7	6.4	104.7	106.3	68.8	68.6	100.3	100.3	69.6	69.7	99.8	100.3	20.0	20.4	98.0	100.5	137	136	100.7	97.8
H2	5.9				69.0				69.2				19.7				140			
C2	7.0	7.0	100.0	111.1	68.3	68.4	99.8	99.6	68.9	68.9	100.0	99.3	19.2	18.8	102.1	96.5	141	148	95.3	100.7
F2	6.4	6.4	100.0	101.6	68.7	68.5	100.3	100.1	69.7	69.6	100.1	100.4	20.2	19.6	103.1	101.5	143	147	97.3	102.1
F2	5.7	5.8	98.3	90.5	68.2	68.1	100.1	99.4	69.8	69.6	100.3	100.6	19.8	20.3	97.5	99.5	144	140	102.8	102.8
G2	6.8				68.7				69.5				19.7				137			
I2	5.9	5.6	105.4	93.6	68.5	68.5	100.0	99.8	69.9	70.1	99.7	100.7	19.9	20.0	99.5	100.0	150	143	104.9	107.1
K2	6.0	6.8	88.2	95.2	68.6	68.7	99.8	100.0	70.0	69.4	100.9	100.9	20.0	21.6	92.6	100.5	138	131	105.3	98.6
M2	6.7	6.5	103.1	106.3	68.7	68.5	100.3	100.1	69.5	69.5	100.0	100.1	18.4	18.4	100.0	92.5	142	141	100.7	101.4
N2	5.5	5.6	98.2	87.3	67.7	68.2	99.3	98.7	69.4	69.8	99.4	100.0	18.1	18.8	96.3	91.0	153	139	110.1	109.3
P2	6.4	6.5	98.5	101.0	67.9	67.7	100.3	99.0	68.9	68.6	100.4	99.3	19.0	20.0	95.0	95.5	141	143	98.6	100.7
Q2	6.8				68.6				68.6				20.0				137			
S2	7.0	6.4	109.4	111.1	70.2	69.7	100.7	102.3	70.4	69.9	100.7	101.4	20.3	19.8	102.5	102.0	136	136	100.0	97.1
T2	6.3				68.3				69.4				20.0				142			
U2	5.7	5.3	107.5	90.5	68.8	69.1	99.6	100.3	69.1	69.4	99.6	99.6	18.8	19.0	98.9	94.5	140	140	100.0	100.0
W2	3.5				67.6				70.7				19.6				158			
X2	6.5	6.6	98.5	103.2	69.0	68.8	100.3	100.6	69.6	69.4	100.3	100.3	18.7	17.7	105.6	94.0	174	172	101.2	124.3
Z2	7.4	7.3	101.4	117.5	68.9	69.0	99.8	100.4	69.2	69.3	99.8	99.7	18.8	18.8	100.0	94.5	142	144	98.6	101.4
P3	6.7	6.3	106.3	106.3	68.6	68.5	100.1	100.0	69.4	69.6	99.7	100.0	20.3	20.6	98.5	102.0	140	140	100.0	100.0

FKRG DATA
CUR. AV. 6.4 68.7 69.5 142
CUM. AV. 6.3 68.6 69.4 140
IND. #0 101.6 100.1 100.1 101.4

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

TABLE XV
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 L8 FOURDRINIER KRAFT LINERBOARD
JUNE, 1980

CODE	MOISTURE CONTENT, PERCENT		BASIS WT., LB / M SQ FT		ADJ. BASIS WT., LB / M SQ FT		CALIPER, PT		BURSTING STRENGTH, P S I G											
	CUR. AV.	IND. *C	CUR. AV.	IND. *C	CUR. AV.	IND. *C	CUR. AV.	IND. *C	CUR. AV.	IND. *C										
D1	5.6	100.0	117.2	69.0	100.0	100.6	69.2	69.2	100.0	99.7	19.6	20.9	93.8	98.5	139	138	100.7	99.3		
F1	5.2	4.7	110.6	81.2	67.8	68.3	99.3	98.8	68.4	68.9	99.3	98.6	21.0	21.0	100.0	105.5	140	139	100.7	100.0
H1	6.8			69.0	69.0		69.2		69.2			18.9								
J1	5.0	4.8	104.2	78.1	67.2	67.2	100.0	98.0	69.2	69.3	99.8	99.7	20.7	20.3	102.0	104.0	142	143	99.3	101.4
K1	7.1	7.1	100.0	110.9	69.2	69.0	100.3	100.9	69.8	69.6	100.3	100.6	19.7	20.1	98.0	99.0	143	142	100.7	102.1
L1	5.8			68.9	68.9		69.1		69.1			21.6								
N1	7.8	7.8	100.0	121.9	69.0	68.9	100.1	100.6	69.0	69.1	99.8	99.4	19.8	19.4	102.1	99.5	136	135	100.7	97.1
O1	6.4	6.3	101.6	100.0	68.9	69.0	99.8	100.4	69.1	69.2	99.8	99.6	18.7	19.2	97.4	94.0	142	144	98.6	101.4
P1	5.9	5.7	103.5	92.2	69.2	69.2	100.0	100.9	69.4	69.4	100.0	100.0	20.4	20.0	102.0	102.5	138	142	97.2	98.6
R1	5.5			69.4	69.4		70.0		70.0			20.1								
S1	7.0	6.9	101.4	109.4	69.0	69.2	99.7	100.6	69.6	69.8	99.7	100.3	19.3	20.1	96.0	97.0	136	134	101.5	97.1
T1	4.0			67.4	67.4		70.2		70.2			20.4								
W1	6.1	6.1	100.0	95.3	69.5	69.5	100.0	101.3	70.1	70.2	99.8	101.0	19.7	20.2	97.5	99.0	141	142	99.3	100.7
X1	6.5	6.8	95.6	101.6	68.0	67.9	100.1	99.1	69.0	68.7	100.4	99.4	20.9	20.8	100.5	105.0	143	143	100.0	102.1
Y1	6.4			68.6	68.6		69.7		69.7			20.5								
Z1	6.2	5.9	105.1	96.9	69.5	69.0	100.7	101.3	69.7	69.2	100.7	100.4	19.0	18.8	101.1	95.5	146	140	104.3	104.3
B2	7.3	7.0	104.3	114.1	68.0	68.4	99.4	99.1	68.3	68.9	99.1	98.4	19.0	18.8	101.1	95.5	146	148	98.6	104.3
C2	6.3	6.4	98.4	98.4	68.5	68.6	99.8	99.8	69.6	69.6	100.0	100.3	20.1	19.7	102.0	101.0	146	146	100.0	104.3
E2	5.7	5.8	98.3	89.1	67.8	68.1	99.6	98.8	69.4	69.6	99.7	100.0	20.0	20.2	99.0	100.5	143	141	101.4	102.1
F2	6.9	6.8	101.5	107.8	68.7	68.7	100.0	100.1	69.4	69.5	99.8	100.0	19.2	19.7	97.5	96.5	135	137	98.5	96.4
G2	5.6	5.6	100.0	87.5	67.9	68.6	99.0	99.0	69.5	70.2	99.0	100.1	19.8	20.0	99.0	99.5	152	143	106.3	108.6
H2	5.0	6.7	83.6	87.5	69.3	68.7	100.9	101.0	71.0	69.5	102.2	102.3	19.9	21.4	93.0	100.0	133	132	100.8	95.0
K2	6.4	6.5	98.5	100.0	68.4	68.5	99.8	99.7	69.4	69.4	100.0	100.0	17.8	18.4	96.7	89.4	139	141	98.6	99.3
M2	5.5	5.6	98.2	85.9	67.7	68.2	99.3	98.7	69.4	69.8	99.4	100.0	18.6	18.7	99.5	93.5	145	140	103.6	103.6
N2	6.3	6.4	98.4	98.4	67.9	67.7	100.3	99.0	69.0	68.6	100.6	99.4	18.5	19.8	93.4	93.0	139	142	97.9	99.3
Q2	6.7			68.6	68.6		68.6		68.6			20.0								
S2	6.7	6.6	101.5	104.7	69.5	69.6	99.8	101.3	69.7	69.8	99.8	100.4	20.2	19.8	102.0	101.5	136	136	100.0	97.1
T2	6.2			68.2	68.2		69.4		69.4			20.0								
U2	5.9	5.3	111.3	92.2	68.9	69.1	99.7	100.4	69.2	69.4	99.7	99.7	18.5	19.0	97.4	93.0	139	141	98.6	99.3
W2	3.6			67.6	67.6		70.6		70.6			19.6								
X2	6.6	6.6	100.0	103.1	68.9	69.9	100.0	100.4	69.5	69.5	100.0	100.1	17.3	18.2	95.0	86.9	183	173	105.8	130.7
Z2	7.4	7.4	100.0	115.6	68.9	69.0	99.8	100.4	69.2	69.3	99.8	99.7	18.8	18.8	100.0	94.5	142	144	98.6	101.4
B3	6.4	6.3	101.6	100.0	68.5	68.5	100.0	99.8	69.5	69.6	99.8	100.1	20.4	20.6	99.0	102.5	140	140	100.0	100.0

FRBG DATA
CUR. AV. 6.4 68.6 69.4 100.0
CUM. AV. 6.4 68.6 69.4 100.0
IND. *D 100.0

19.5 142
19.9 140
98.0 101.4

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

TABLE XVI
AVERAGE'S OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

APRIL, 1980

CODE	MOISTURE CONTENT, PERCENT		BASIS WT., LB / M SQ FT		ADJ. BASIS WT.,* LB / M SQ FT		CALIPER, PT		BURSTING STRENGTH, PSIG											
	AV.	IND.	AV.	IND.	AV.	IND.	AV.	IND.	AV.	IND.										
J1	4.8	5.1	94.1	76.2	7.9	87.8	100.1	98.2	90.8	90.3	100.6	100.2	27.2	26.7	101.5	105.8	161	162	97.6	95.3
K1		7.1				90.3				91.0				25.8				179		
L1		5.9				90.0				90.3				27.0				168		
O1	6.2	6.3	98.4	98.4	89.9	89.9	100.0	100.4	90.2	90.2	100.0	99.6	25.1	25.2	99.6	97.7	167	173	96.5	98.8
P1	6.0	6.0	100.0	95.2	90.2	90.2	100.0	100.8	90.5	90.6	99.9	99.9	26.4	26.5	99.6	102.7	163	166	98.2	96.4
T1		4.0				88.4				92.0				26.3				176		
W1	5.6	6.3	88.7	88.9	90.9	90.6	100.3	101.6	91.7	91.4	100.3	101.2	26.9	27.1	99.3	104.7	167	170	98.2	98.8
Y1	6.8	6.6	103.0	107.9	89.6	89.6	100.0	100.1	90.6	90.8	99.8	100.0	26.9	27.0	99.6	104.7	161	164	98.2	95.3
C2	7.1	7.2	98.6	112.7	89.1	89.3	99.8	99.6	89.8	89.9	99.9	99.1	24.9	24.3	102.0	96.5	167	177	94.4	98.8
E2	6.6	6.5	101.5	104.8	89.7	89.7	100.0	100.2	90.9	91.0	99.9	100.3	25.9	26.0	99.6	100.8	165	168	98.2	97.6
F2	6.6	5.8	113.8	104.8	89.5	88.8	100.8	100.0	90.7	90.8	99.9	100.1	26.7	26.6	100.4	103.9	174	165	105.4	103.0
G2		7.7				90.2				90.4				26.2				154		
I2	6.1	5.8	105.7	96.8	89.5	89.2	100.3	100.0	91.1	91.1	100.0	100.6	25.4	26.5	95.8	98.8	163	164	98.8	94.4
M2	6.9	6.5	106.2	109.5	89.2	89.2	100.0	99.7	90.1	90.5	99.6	99.4	23.8	24.2	90.3	92.6	163	166	98.2	96.4
N2	7.0	6.6	106.1	111.1	89.8	89.5	100.3	100.3	90.6	90.6	100.0	100.0	25.1	24.0	104.6	97.7	163	162	100.6	96.4
P2		6.5				88.9				90.1				27.0				180		
U2	6.6	5.6	117.8	104.8	90.2	90.2	100.0	100.8	90.7	90.7	100.0	100.1	24.6	25.4	96.8	95.7	170	166	102.4	107.6
W2		4.3				88.4				91.8				24.8				178		
Z2	6.6	7.3	90.0	104.8	88.7	89.8	98.8	99.1	89.9	90.4	99.4	99.2	24.1	24.8	97.2	93.8	166	171	96.0	98.2

FKBG DATA

CUR. AV.	6.4	89.6	90.6	25.6	165
GUM. AV.	6.3	89.5	90.6	25.7	169
IND. #D	101.6	100.1	100.0	99.6	97.6

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
MAY, 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. #B	IND. #C	CUM. AV. #B	IND. #C	CUR. AV. #B	IND. #C	CUM. AV. #B	IND. #C	CUR. AV. #B	IND. #C										
J1	4.7	5.1	92.2	74.6	87.4	87.8	99.5	97.6	90.4	90.4	100.0	99.8	26.9	26.8	100.4	104.7	163	165	98.8	96.4
K1		7.1				90.3			91.1				25.8				172			
L1		5.9				89.9			90.2				27.2				168			
G1	6.1	6.3	96.8	96.8	90.0	89.9	100.1	100.6	90.3	90.2	100.1	99.7	25.4	25.2	100.8	98.8	171	173	98.8	101.2
P1	6.1	6.0	101.7	96.8	90.1	90.2	99.9	100.7	90.4	90.5	99.9	99.8	26.8	26.5	101.1	104.3	167	166	100.6	98.8
T1		4.0				88.4			92.0				26.3				176			
W1	5.7	6.2	91.9	90.5	90.7	90.5	100.2	101.3	91.5	91.3	100.2	101.0	26.5	27.1	97.8	103.1	170	169	100.6	100.6
Y1		6.6				89.6			90.8				27.0				163			
C2	7.2	7.1	101.4	114.3	89.6	89.2	100.4	100.1	90.2	89.9	100.3	99.6	24.5	24.4	100.4	95.3	178	176	101.1	105.3
E2	6.6	6.4	103.1	104.8	89.9	89.7	100.2	100.4	91.1	91.0	100.1	100.6	27.1	26.1	103.8	105.4	170	167	101.8	100.6
F2	6.5	5.8	112.1	103.2	89.5	88.8	100.8	100.0	90.8	90.7	100.1	100.2	26.6	26.6	100.0	103.5	172	166	103.6	101.8
G2		7.7				90.2			90.4				26.2				154			
I2	5.9	5.9	100.0	93.6	87.5	89.2	98.1	97.8	89.3	91.1	98.0	98.6	26.2	26.5	98.9	101.9	175	165	106.1	103.6
M2	6.0	6.4	93.8	95.2	88.7	89.1	99.6	99.1	90.5	90.4	100.1	99.9	23.8	24.2	98.3	92.6	173	164	105.5	102.4
N2	5.6	5.6	84.8	88.9	89.5	89.5	100.0	100.0	91.6	90.6	101.1	101.1	23.7	24.1	98.3	92.2	187	162	115.4	110.6
P2	6.3	6.5	96.9	100.0	89.3	89.0	100.3	99.8	90.7	90.2	100.6	100.1	25.1	26.9	93.3	97.7	174	191	96.1	103.0
U2		6.0				90.1			90.6				24.6				170			
W2		4.3				88.4			91.8				24.8				178			
Z2	7.8	7.3	106.8	123.8	90.1	89.8	100.3	100.7	90.1	90.3	99.8	99.4	24.7	24.6	100.4	96.1	182	173	105.2	107.7
FKBC DATA																				
CUR.																				
AV.	6.2					89.4			90.6				25.6				174			
CUM.																				
AV.	6.3					89.5			90.6				25.7				169			
IND.																				
*D	98.4					99.9			100.0				99.6				103.0			

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

JUNE, 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.	IND. *B	CUR. AV.	IND. *C	CUR. AV.	IND. *C	CUR. AV.	IND. *B	CUR. AV.	IND. *C										
J1	5.0	100.0	79.4	87.9	87.8	100.1	98.2	90.5	90.4	100.1	99.9	27.3	26.9	101.5	106.2	158	164	96.3	93.5	
K1	7.1			90.3			91.1					25.8				172				
L1	5.9			89.9			90.2					27.2				168				
O1	6.2			89.9			90.2					25.2				173				
P1	6.0	100.0	95.2	90.3	90.2	100.1	100.9	90.6	90.5	100.1	100.0	27.0	26.7	101.1	105.0	163	166	98.2	96.4	
T1	4.0			88.4			92.0					26.3				176				
W1	6.6	106.4	104.8	90.6	90.5	100.1	101.2	91.4	91.4	100.0	100.9	26.2	27.0	97.0	101.9	167	169	98.8	98.8	
Y1	5.9	6.7	88.0	93.6	88.8	89.7	99.0	90.7	90.8	99.9	100.1	25.8	27.1	95.2	100.4	155	161	96.3	91.7	
C2	7.1	100.0	112.7	88.9	89.3	99.6	99.3	89.6	89.9	99.7	98.9	24.8	24.4	101.6	96.5	178	177	100.6	105.3	
E2	6.5	6.5	100.0	103.2	89.6	89.8	99.8	100.1	90.9	91.0	99.9	27.3	26.3	103.8	106.2	159	167	95.2	94.1	
F2	6.2	5.9	105.1	98.4	89.3	88.9	100.4	99.8	90.8	90.7	100.1	100.2	26.5	26.6	99.6	103.1	167	167	100.0	98.8
G2	1.7			40.2			90.4					26.2				154				
I2	5.8	5.9	98.3	92.1	90.1	89.1	101.1	100.7	92.1	91.0	101.2	101.6	26.6	26.5	100.4	103.5	166	166	100.0	98.2
M2	6.6	6.4	103.1	104.8	89.3	89.1	100.2	99.8	90.5	90.4	100.1	99.9	23.8	24.1	98.8	92.6	156	165	94.5	92.3
N2	6.6	6.5	101.5	104.8	89.0	89.5	99.4	99.4	90.2	90.7	99.4	99.6	23.9	24.1	99.2	93.0	169	164	103.0	100.0
P2	6.4	6.5	98.5	101.6	89.1	89.0	100.1	99.6	90.4	90.2	100.2	99.8	24.7	26.6	92.8	96.1	175	179	97.8	103.6
U2	6.0			90.1			90.6					24.6				170				
W2	4.3			88.4			91.8					24.8				178				
Z2	7.5	7.3	102.7	119.0	90.0	89.8	100.2	100.6	90.3	90.3	100.0	99.7	24.9	24.6	101.2	96.9	179	174	102.9	105.9

FKRG DATA

CUR. AV.	6.4	89.4	90.7	25.7	166
CUM. AV.	6.3	89.5	90.6	25.7	169
IND. *B	101.6	99.9	100.1	100.0	98.2

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

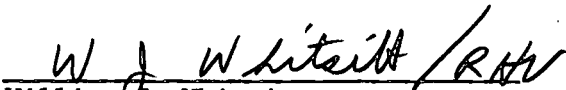
Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XIX. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and F.K.B.G. indexes are described in the Appendix.

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
APRIL, MAY, JUNE, 1980

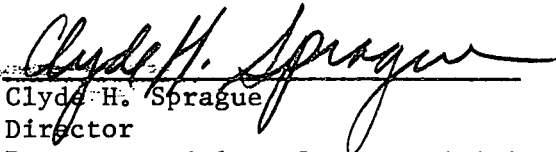
Code	Conditioning Environment			Testing Environment	
	Are Quality Samples Conditioned Before Testing?	Time	Procedure Temp., °F	RH, %	
A1	Yes	15 Min	--	--	Yes: 73 ± 3.5°F; 50 ± 3% RH
B1	No	--	--	--	No
C1	Yes	20 Min	--	--	Yes: 72 ± 3.5°F; 50 ± 2% RH
D1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
E1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
F1	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
G1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
H1	No	--	--	--	No
I1	No	--	--	--	No
J1	No	--	--	--	No
K1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
L1	No data submitted for this quarter				
M1	Yes	10 Min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
N1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
O1	No	--	--	--	Yes: 75 ± 5°F; 50 ± 5% RH
P1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
Q1	No	--	--	--	No
R1	No	--	--	--	No
S1	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
T1	No data submitted for this quarter				
U1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
V1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
W1	No	--	--	--	No
X1	Yes	--	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
Y1	No	--	--	--	Yes: 73 ± 5°F; 50 ± 5% RH
Z1	Yes	10 Min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
A2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 1% RH
B2	No	--	--	--	No
C2	No	--	--	--	No
D2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
E2	No	--	--	--	No
F2	No	--	--	--	No
G2	No	--	--	--	Yes: 73 ± 5°F; 50 ± 5% RH
H2	No	--	--	--	No
I2	No	--	--	--	No
J2	No data submitted for this quarter				
K2	Yes	10 Min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
L2	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
M2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
N2	No	--	--	--	No
O2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
P2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Q2	No data submitted for this quarter				
R2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
S2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
T2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
U2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
V2	No	--	--	--	No
W2	No data submitted for this quarter				
X2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
Y2	No	--	--	--	No
Z2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
A3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
B3	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
C3	Yes	20 Min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
D3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH

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William J. Whitsitt
Research Associate
Paper Materials & Systems Division

Approved by



Clyde H. Sprague
Director
Paper Materials & Systems Division

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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