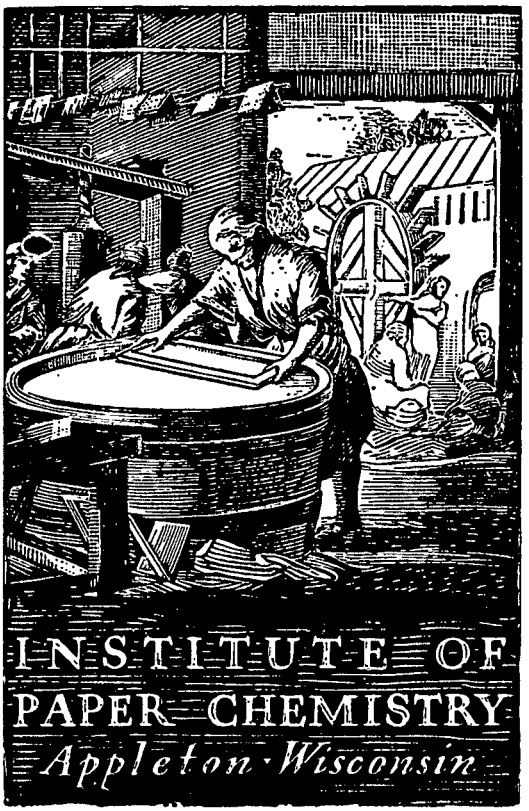
M. LORENZ



BASE-LINE

2nd Quarter, 1984

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR APRIL, MAY, JUNE, 1984)

Project 2694-1

Report Ninety-Two
A Progress Report
to
FOURDRINIER KRAFT BOARD GROUP
of the
AMERICAN PAPER INSTITUTE

September 1, 1984

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, 1984)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA
(MAR-JUN, 1984)

Linerboard Grade Wt.		Moisture Content MAR	APR	MAY	JUN
26 Lb	Max.	6.8	6.9	6.7	6.4
	Min.	3.3	3.2	3.1	3.3
	Ave.	5.1(14)	5.1(17)	5.0(15)	5.0(15)
33 Lb	Max.	7.0	6.2	6.7	6.1
	Min.	4.3	3.7	3.8	3.9
	Ave.	5.4(25)	5.4(22)	5.4(25)	5.3(23)
38 Lb	Max.	6.5	6.5	6.3	6.1
	Min.	4.8	4.7	5.1	5.1
	Ave.	5.6(21)	5.6(17)	5.7(17)	5.6(17)
42 Lb	Max.	6.6	6.6	6.7	6.4
	Min.	4.6	5.0	4.8	4.8
	Ave.	5.8(40)	5.8(38)	5.8(40)	5.8(39)
69 Lb	Max.	7.0	7.0	7.2	7.1
	Min.	5.2	5.2	5.5	5.0
	Ave.	6.2(27)	6.3(29)	6.4(28)	6.3(26)
90 Lb	Max.	7.0	9.2	7.0	9.4
	Min.	5.5	5.0	5.5	5.0
	Ave.	6.1(13)	6.3(13)	6.2(12)	6.5(12)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA (MAR-JUN, 1984)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M sq ft			
		MAR	APR	MAY	JUN
26 Lb	Max.	27.7	27.8	28.8	29.1
	Min.	25.4	25.8	25.9	26.0
	Ave.	26.5(14)	26.6(17)	26.6(15)	26.6(15)
33 Lb	Max.	34.0	35.0	34.6	34.8
	Min.	32.3	32.1	32.2	32.8
	Ave.	33.3(25)	33.4(22)	33.4(25)	33.4(23)
38 Lb	Max.	39.0	39.3	39.6	39.4
	Min.	37.9	37.7	37.8	37.7
	Ave.	38.5(21)	38.6(17)	38.5(17)	38.5(17)
42 Lb	Max.	42.9	43.0	43.3	43.3
	Min.	41.4	41.4	41.2	41.4
	Ave.	42.4(40)	42.3(38)	42.3(40)	42.4(39)
69 Lb	Max.	71.8	71.4	70.5	70.3
	Min.	68.1	68.2	68.2	68.3
	Ave.	69.5(27)	69.5(29)	69.4(28)	69.5(26)
90 Lb	Max.	93.8	94.3	91.8	91.7
	Min.	90.1	90.3	90.3	89.6
	Ave.	90.8(13)	91.0(13)	90.7(12)	90.7(12)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA
(MAR-JUN, 1984)

Linerboard Grade Wt.		Caliper, pt. MAR	APR	MAY	JUN
26 Lb	Max.	9.3	9.0	8.7	8.8
	Min.	6.7	6.8	7.5	7.1
	Ave.	8.1(14)	7.9(17)	7.9(15)	8.0(15)
33 Lb	Max.	12.1	11.5	11.4	11.5
	Min.	8.6	8.6	8.6	7.5
	Ave.	10.0(24)	10.0(21)	9.8(24)	9.9(22)
38 Lb	Max.	12.2	12.7	11.6	12.6
	Min.	9.6	9.7	9.2	9.2
	Ave.	11.1(20)	11.0(16)	11.0(16)	11.0(16)
42 Lb	Max.	14.7	14.0	13.5	13.8
	Min.	9.6	9.9	10.6	10.6
	Ave.	12.0(39)	12.0(37)	11.9(39)	12.0(38)
69 Lb	Max.	21.1	21.1	21.8	20.9
	Min.	16.8	16.5	16.1	17.3
	Ave.	19.5(26)	19.5(28)	19.5(27)	19.3(25)
90 Lb	Max.	27.0	27.4	27.7	26.4
	Min.	22.5	22.7	22.4	21.8
	Ave.	25.4(13)	25.3(13)	25.5(12)	25.2(12)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA (MAR-JUN, 1984)

Linerboard Grade Wt.		Bursting Strength, psig			
		MAR	APR	MAY	JUN
26 Lb	Max.	77	87	89	88
	Min.	65	66	64	64
	Ave.	70(14)	72(17)	73(15)	73(15)
33 Lb	Max.	96	106	107	98
	Min.	79	80	78	78
	Ave.	85(25)	86(22)	86(25)	86(23)
38 Lb	Max.	119	106	115	108
	Min.	93	89	91	91
	Ave.	97(21)	97(17)	98(17)	97(17)
42 Lb	Max.	119	123	128	120
	Min.	99	100	100	98
	Ave.	106(40)	107(38)	106(40)	106(39)
69 Lb	Max.	161	163	166	162
	Min.	132	134	135	135
	Ave.	142(27)	143(29)	142(28)	142(26)
90 Lb	Max.	186	187	201	192
	Min.	155	153	154	155
	Ave.	172(13)	174(13)	174(12)	173(12)

Max. and Min. values are current machine averages.
Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

PART V: SUMMARY OF CD RING CRUSH DATA (MAR-JUN, 1984)

Linerboard Grade Wt.		CD Ring Crush, lb MAR	APR	MAY	JUN
26 Lb	Max.	51.0	50.0	50.0	49.0
	Min.	30.0	31.0	30.0	29.0
	Ave.	36.5(9)	36.5(9)	36.5(8)	36.2(11)
33 Lb	Max.	60.0	71.0	63.0	70.0
	Min.	37.0	40.0	44.0	42.0
	Ave.	52.7(15)	53.8(12)	53.1(16)	55.5(16)
38 Lb	Max.	74.7	81.0	74.0	76.6
	Min.	53.0	51.0	51.0	52.0
	Ave.	63.5(14)	63.5(13)	62.8(12)	64.4(14)
42 Lb	Max.	83.0	85.0	111.0	119.0
	Min.	56.0	58.0	63.0	59.0
	Ave.	70.2(28)	70.2(23)	73.7(26)	72.5(26)
69 Lb	Max.	132.0	132.0	142.0	133.0
	Min.	94.1	92.3	99.4	96.2
	Ave.	115.3(22)	116.3(20)	118.2(20)	116.0(19)
90 Lb	Max.	173.7	162.0	168.3	179.0
	Min.	132.0	131.4	140.0	134.9
	Ave.	153.2(12)	151.8(12)	152.2(11)	152.1(11)

Max. and Min. values are current machine averages.
Ave. value is current 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, bursting strength, and CD ring crush 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, bursting strength, and CD ring crush are compiled in the following tables.

Table Number	Description
I-II-III-IV	Mill Test Averages on 26-lb Linerboard
V-VI-VII-VIII	Mill Test Averages on 33-lb Linerboard
IX-X-XI-XII	Mill Test Averages on 38-lb Linerboard
XIII-XIV-XV-XVI	Mill Test Averages on 42-lb Linerboard
XVII-XVIII-XIX-XX	Mill Test Averages on 69-lb Linerboard
XXI-XXII-XXIII-XXIV	Mill Test Averages on 90-lb Linerboard

TABLE I

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

APRIL, 1984

	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	5.1	5.3	96.2	102.0	26.4	26.4	100.0	101.5	26.5	26.5	100.0	100.0	8.0	7.9	101.3	101.3	67	68	98.5	94.4
E1		6.4				26.2				26.3				7.4				71		
D1		5.3				25.7				26.4				7.8				69		
V1	5.9	5.7	103.5	118.0	26.1	25.9	100.8	100.4	26.2	26.0	100.8	98.9	8.0	8.3	96.4	101.3	71	70	101.4	100.0
B2	5.4	5.1	105.9	108.0	25.7	25.7	100.0	98.8	26.4	26.5	99.6	99.6	7.0	7.3	95.9	98.6	67	72	93.0	94.4
E2		5.8				26.1				26.2				6.8				65		
F2		5.1				25.9				26.0				7.7				73		
M2		4.9				26.1				26.2				8.1				79		
Q2	5.3	5.2	101.9	106.0	26.3	25.6	102.7	101.2	27.0	26.4	102.3	101.9	7.6	8.4	90.5	95.2	87	80	108.8	122.5
W2	6.1	5.7	107.0	122.0	26.1	26.2	99.6	100.4	26.2	26.2	100.0	98.9	7.5	7.8	96.2	94.9	70	68	102.9	98.5
C3	6.9	6.0	115.0	138.0	26.0	26.0	100.0	100.0	26.1	26.0	100.4	98.5	7.6	7.7	98.7	96.2	66	65	101.5	93.0
F3	5.2	4.8	108.3	104.0	25.5	25.5	100.0	98.1	26.2	26.3	99.6	98.9	7.7	8.1	95.1	97.5	78	74	105.4	109.8
H3	3.9	3.9	100.0	78.0	25.9	25.9	100.0	99.6	27.0	27.0	100.0	101.9	8.0	7.8	102.6	101.3	69	70	98.6	97.2
Q3	5.0	5.0	100.0	100.0	26.0	26.0	100.0	100.0	26.1	26.2	99.6	98.5	7.7	7.8	98.7	97.5	70	70	100.0	98.5
R3	5.9	5.7	103.5	118.0	25.3	25.9	97.7	97.3	25.8	26.5	97.4	97.4	7.7	7.6	101.3	97.5	68	66	103.0	95.8
V3	5.0	5.1	98.0	100.0	25.9	25.9	100.0	99.6	26.7	26.7	100.0	100.8	7.8	8.0	97.5	98.7	73	75	95.0	102.3
X3		4.6				25.6				26.5				8.0				74		
Y3	3.6	3.4	105.9	72.0	26.7	26.5	100.8	102.7	26.8	26.6	100.8	101.1	8.5	8.3	102.4	107.6	83	78	105.4	115.9
Z3	5.9	5.8	101.7	118.0	26.1	26.1	100.0	100.4	26.3	26.3	100.0	99.2	8.5	8.5	100.0	107.6	66	65	101.5	93.0
A4	5.9	5.6	105.4	118.0	25.5	25.4	100.4	98.1	26.0	26.0	100.0	98.1	8.1	7.8	103.8	102.5	70	69	101.4	98.5
C4	4.5	4.8	93.8	90.0	26.3	26.1	100.8	101.2	27.2	27.0	100.7	102.6	8.3	7.9	105.1	105.1	75	71	107.0	107.0
H4	3.2	3.5	91.4	64.0	26.5	26.9	98.5	101.9	27.8	28.1	98.9	104.9	5.8	7.1	95.8	95.1	72	74	97.3	101.4
K4		4.5				25.4				26.3				7.8				73		
R4	4.1	3.3	124.2	82.0	26.1	26.3	99.2	100.4	27.1	27.6	98.2	102.3	9.0	9.1	98.9	113.9	67	70	95.7	94.4
U4		5.0				25.7				26.5				7.7				74		

FKBG DATA

CUR. AV.	5.1	26.0	26.6	7.9	72
CUM. AV.	5.0	26.0	26.5	7.9	71
IND. *D	102.0	100.0	100.4	100.0	101.4

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

MAY, 1984

	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	5.2	94.2	98.0	26.4	26.4	100.0	101.5	26.5	26.5	100.0	100.0	8.0	7.9	101.3	101.3	67	68	98.5	94.4
E1		6.4				26.2				26.3				7.4				71		
D1	5.0	5.3	94.3	100.0	25.9	25.7	100.8	99.6	26.7	26.4	101.1	100.8	7.5	7.8	96.2	96.9	69	69	100.0	97.2
V1	5.9	5.7	103.5	118.0	26.1	25.9	100.8	100.4	26.2	26.0	100.8	98.9	7.9	8.2	96.3	100.3	70	68	102.9	98.6
B2		5.2				25.8				26.5				7.2				71		
E2		5.8				26.1				26.2				6.8				65		
F2	5.0	5.0	100.0	100.0	26.0	26.0	100.0	100.0	26.1	26.0	100.4	98.5	8.0	7.7	103.9	101.3	68	76	89.5	95.8
H2		4.9				26.1				26.2				8.1				79		
Q2	4.8	5.2	92.3	96.0	26.2	25.7	101.9	100.8	27.1	26.4	102.6	102.3	7.6	8.3	91.6	96.2	89	80	111.2	125.4
W2		5.7				26.2				26.2				7.8				68		
C3	6.7	6.1	109.8	134.0	26.0	26.0	100.0	100.0	26.1	26.0	100.4	98.5	7.5	7.7	97.4	94.9	64	65	98.5	93.1
F3	5.1	4.9	104.1	102.0	25.4	25.5	99.6	97.7	26.1	26.3	99.2	98.5	7.5	8.1	92.6	94.9	84	74	113.5	118.3
H3	3.9	3.9	100.0	78.0	25.9	25.9	100.0	99.6	27.0	27.0	100.0	101.9	7.8	7.8	100.0	98.7	72	70	102.8	101.4
O3	5.0	5.0	100.0	100.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.7	7.8	98.7	97.5	72	70	102.8	101.4
R3		5.8				25.8				26.4				7.6				66		
V3	5.5	5.1	107.8	110.0	26.2	25.9	101.2	100.8	26.9	26.7	100.7	101.5	8.5	8.0	106.2	107.6	78	76	102.6	109.8
X3		4.6				25.6				26.5				8.0				74		
Y3	3.6	3.4	105.9	72.0	26.5	26.5	100.0	101.9	26.6	26.6	100.0	100.4	8.2	8.3	98.8	103.8	85	73	109.3	119.7
Z3	6.0	5.8	103.4	120.0	26.0	26.1	99.6	100.0	26.2	26.3	99.6	98.9	8.3	8.6	96.5	105.1	64	65	98.5	93.1
A4	5.9	5.6	105.4	118.0	25.4	25.4	100.0	97.7	25.9	26.0	99.6	97.7	8.0	7.8	102.6	101.3	70	69	101.4	98.5
C4		4.8				26.1				27.0				8.0				72		
H4	3.1	3.5	88.6	62.0	27.4	26.9	101.8	105.4	28.8	28.1	102.5	108.7	7.7	7.0	110.0	97.5	73	74	98.6	102.8
K4		4.5				25.4				26.3				7.8				73		
R4	3.9	3.5	111.4	78.0	25.5	26.2	97.3	98.1	26.6	27.5	96.7	100.4	8.7	9.1	95.6	113.1	68	69	98.6	95.8
U4		5.1				25.7				26.5				7.8				73		

FKBG DATA				
CUR. AV.	5.0	26.1	26.6	7.9	73
CUM. AV.	5.0	26.0	26.5	7.9	71
IND. *D	100.0	100.4	100.4	100.0	102.8

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

TABLE III

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

JUNE, 1984

	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	5.2	94.2	98.0	26.5	26.4	100.4	101.9	26.6	26.5	100.4	100.0	8.1	8.0	101.2	102.5	67	68	98.5	94.4
C1		6.4				26.2				26.3				7.4				71		
D1		5.2				25.8				26.6				7.6				69		
V1	5.8	5.8	100.0	116.0	25.9	26.0	99.6	99.6	26.0	26.0	100.0	97.7	7.8	8.2	95.1	93.7	72	69	104.3	101.4
B2	5.4	5.2	103.8	108.0	25.7	25.8	99.6	98.8	26.4	26.5	99.6	99.2	7.4	7.2	102.8	93.7	71	71	100.0	100.0
E2		5.8				26.1				26.2				6.8				65		
F2	5.0	5.0	100.0	100.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.1	7.9	7.9	100.0	100.0	72	74	97.3	101.4
H2		5.0				26.1				26.2				8.1				79		
Q2	5.4	5.2	103.8	108.0	26.0	25.8	100.3	100.0	26.7	26.5	100.8	100.4	8.8	8.3	106.0	111.4	88	81	108.6	123.9
W2		5.7				26.1				26.2				7.8				68		
C3	6.4	6.2	103.2	128.0	25.9	26.0	99.6	99.6	26.0	26.1	99.6	97.7	7.6	7.6	100.0	96.2	65	65	100.0	91.5
F3		4.9				25.5				26.3				8.0				75		
H3	4.0	3.9	102.6	80.0	26.0	25.9	100.4	100.0	27.1	27.0	100.4	101.9	7.8	7.8	100.0	98.7	73	70	104.3	102.8
O3	5.0	5.0	100.0	100.0	26.1	26.0	100.4	100.4	26.2	26.1	100.4	98.5	8.1	7.8	103.8	102.5	74	70	105.7	104.2
R3	5.8	5.8	100.0	116.0	26.4	25.9	101.9	101.5	27.0	26.4	102.3	101.5	8.0	7.6	105.3	101.3	70	65	106.1	98.5
V3	5.4	5.1	105.9	108.0	26.2	25.9	101.2	100.8	26.9	26.7	100.7	101.1	8.1	8.1	100.0	102.5	79	76	103.9	111.3
X3		4.6				25.6				26.5				8.0				74		
Y3	3.9	3.5	111.4	78.0	26.3	26.5	99.2	101.2	26.4	26.6	99.2	99.2	8.6	8.3	103.6	108.9	87	79	110.1	122.5
Z3	5.8	5.8	100.0	116.0	26.0	26.1	99.6	100.0	26.2	26.3	99.6	98.5	8.8	8.5	103.5	111.4	64	65	98.5	99.1
A4	6.0	5.7	105.3	120.0	25.6	25.3	101.2	98.5	26.1	25.9	100.8	98.1	8.2	7.8	105.1	103.8	69	69	100.0	97.2
C4		4.8				26.1				27.0				8.0				72		
H4	3.4	3.4	100.0	68.0	27.8	26.9	103.3	106.9	29.1	28.2	103.2	109.4	7.1	7.0	101.4	89.9	71	74	95.9	100.3
K4		4.5				25.4				26.3				7.8				70		
R4	3.3	3.6	91.7	66.0	25.2	26.1	96.6	96.9	26.4	27.3	96.7	99.2	8.1	9.0	90.0	102.5	72	69	104.3	101.4
U4		5.3				25.8				26.6				7.9				73		

FKBG DATA

CUR. AV.	5.0			26.1			26.6			8.0			73		
CUM. AV.	5.0			26.0			26.6			7.9			71		
IND. *D	100.0			100.4			100.0			101.3			102.8		

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

TABLE IV

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

RING COMPRESSION, LBS.

	APRIL, 1984				MAY, 1984				JUNE, 1984			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1												
E1												
01												
V1	35.0	37.5	93.3	95.1	36.0	37.0	97.3	97.6	39.0	36.8	106.0	105.7
B2	36.0	37.0	97.3	97.8		37.0			29.0	37.0	78.4	78.6
E2												
F2		34.7			32.0	34.5	92.8	86.7	37.0	33.5	110.4	100.3
M2		45.8				45.8				46.2		
Q2												
W2												
C3												
F3		36.2				40.4				44.5		
H3	34.0	37.4	90.9	92.4	36.0	37.2	96.8	97.6	35.7	37.1	96.2	96.7
O3	31.0	33.4	92.8	84.2	30.0	33.3	90.1	81.3	32.0	33.0	97.0	86.7
R3	32.0	32.6	98.2	87.0		32.5			33.0	32.5	101.5	89.4
V3												
X3		45.3				45.3				45.3		
Y3	35.0	35.0	100.0	95.1	34.0	34.8	97.7	92.1	36.0	34.6	104.0	97.6
Z3	40.8	35.6	114.6	110.9	39.7	36.0	110.3	107.6	42.0	36.3	115.7	113.8
A4	35.0	30.7	114.0	95.1	34.0	30.8	110.4	92.1	30.0	30.8	97.4	81.3
C4												
H4	50.0	45.0	111.1	135.9	50.0	45.8	109.2	135.5	49.0	46.4	105.6	132.8
K4												
R4		37.0				37.0			35.0	37.0	94.6	94.8
U4		34.4				35.1				35.4		
FKBG DATA												
CUR. AV.	36.5				36.5				36.2			
CUM. AV.	36.8				36.9				36.9			
IND. *D	99.2				98.9				98.1			

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

APRIL, 1984

	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	5.6	5.6	100.0	109.8	33.3	33.3	100.0	101.8	33.4	33.4	100.0	100.0	9.8	9.9	99.0	99.0	80	81	98.8	93.0
E1		6.4				32.9				33.0				9.6				90		
J1		4.6				32.3				32.6				9.9				80		
Q1		5.1				32.6				33.5				10.2				82		
U1		5.3				32.6				33.4				9.4				93		
V1	5.9	5.8	101.7	115.7	33.0	32.8	100.6	100.9	33.1	32.8	100.9	99.1	10.2	10.3	99.0	103.0	82	84	97.6	95.3
B2	5.8	5.3	109.4	113.7	32.6	32.5	100.3	99.7	33.3	33.4	99.7	99.7	9.7	9.1	106.6	98.0	80	85	94.1	93.0
E2	5.6	6.1	91.8	109.8	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	8.6	8.8	97.7	85.9	87	87	100.0	101.2
G2	6.2	6.4	96.9	121.6	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	9.5	9.2	103.3	96.0	86	89	96.6	100.0
M2	5.0	5.0	100.0	98.0	33.2	33.1	100.3	101.5	33.3	33.2	100.3	99.7	10.3	10.1	102.0	104.0	87	94	92.6	101.2
Q2	5.1	4.9	104.1	100.0	33.0	32.6	101.2	100.9	34.0	33.6	101.2	101.8	9.7	9.8	99.0	98.0	106	96	110.4	123.2
W2	5.8	6.0	96.7	113.7	33.1	33.0	100.3	101.2	33.3	33.2	100.3	99.7	9.5	9.8	96.9	95.0	82	81	101.2	95.3
B3	5.8	5.8	100.0	113.7	33.0	33.1	99.7	100.9	33.1	33.2	99.7	99.1					82	81	101.2	95.3
C3		6.3				33.0				33.0				10.2				85		
F3	5.7	5.4	105.6	111.8	32.2	32.1	100.3	98.5	32.9	32.9	100.0	98.5	11.0	10.3	106.8	111.1	95	91	105.5	111.5
G3		2.7				32.2				34.0				9.8				90		
H3	4.4	4.4	100.0	86.3	32.6	32.8	99.4	99.7	33.8	34.0	99.4	101.2	9.9	9.8	101.0	100.0	89	86	103.5	103.5
K3	5.9	5.6	105.4	115.7	32.3	32.4	99.7	98.8	33.0	33.1	99.7	98.8	10.0	9.3	107.5	101.0	86	91	94.5	100.0
O3	5.0	5.0	100.0	98.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	10.1	9.9	102.0	102.0	84	85	98.8	97.7
R3	6.1	5.6	108.9	119.6	32.5	32.6	99.7	99.4	33.1	33.4	99.1	99.1	9.7	9.6	101.0	98.0	83	80	103.8	96.5
V3	5.5	5.3	103.8	107.8	32.9	32.8	100.3	100.6	33.7	33.6	100.3	100.9	10.2	10.2	100.0	103.0	81	83	97.6	96.2
W3	5.1	3.3	154.5	100.0	32.8	32.4	101.2	100.3	33.8	33.9	99.7	101.2	11.5	11.6	99.1	115.2	89	85	104.7	103.5
X3	4.9	5.1	96.1	96.1	33.1	32.7	101.2	101.2	33.2	33.4	99.4	99.4	9.8	10.2	96.1	99.0	85	89	95.5	98.3
Y3		4.0				33.3				33.4				9.9				94		
Z3	6.0	5.9	101.7	117.6	33.1	33.1	100.0	101.2	33.4	33.4	100.0	100.0	10.5	10.4	101.0	106.1	80	78	102.6	93.0
A4	6.0	5.7	105.3	117.6	31.5	31.9	98.7	96.3	32.1	32.6	98.5	96.1	9.8	9.6	102.1	99.0	83	81	102.5	95.5
C4	5.5	5.4	101.8	107.8	33.2	33.0	100.6	101.5	34.0	33.9	100.3	101.8	10.1	9.9	102.0	102.0	84	81	103.7	97.7
H4	3.7	4.1	90.2	72.5	33.5	32.4	103.4	102.4	35.0	33.7	103.8	104.8	8.8	8.6	102.3	88.9	85	86	98.8	98.8
K4		5.2				32.5				33.4				9.9				84		
R4	4.2	3.9	107.7	82.4	32.5	32.6	99.7	99.4	33.8	33.9	99.7	101.2	10.5	11.0	95.4	106.1	89	86	103.5	103.5
T4		5.5				33.2				34.0				9.4				103		
U4		5.0				32.4				33.4				9.6				89		

FKBG DATA

CUR. AV.	5.4				32.8				33.4				10.0				85			
CUM. AV.	5.1				32.7				33.4				9.9				85			
IND. *D	105.9				100.3				100.0				101.0				100.0			

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

MAY, 1984

	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	5.5	5.6	98.2	107.8	33.3	33.3	100.0	101.8	33.4	33.4	100.0	100.0	9.9	9.9	100.0	100.0	81	81	100.0	94.2
E1		6.4				32.9				33.0				9.6				90		
J1		4.6				32.3				32.6				9.9				80		
O1	5.5	5.1	107.8	107.8	32.6	32.6	100.0	99.7	33.4	33.5	99.7	100.0	9.6	10.2	94.1	97.0	83	82	101.2	96.5
U1		5.6				32.6				33.4				9.5				90		
V1	6.1	5.8	105.2	119.6	33.0	32.8	100.6	100.9	33.1	32.8	100.9	99.1	10.1	10.2	99.0	102.0	82	83	98.8	95.3
B2	6.0	5.4	111.1	117.6	32.7	32.5	100.6	100.0	33.4	33.3	100.3	100.0	9.0	9.2	97.8	90.9	86	84	102.4	100.0
E2	5.8	6.0	96.7	113.7	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	8.9	8.7	102.3	89.9	89	87	102.3	103.5
F2	5.0			98.0	33.1			101.2	33.2			99.4	9.8			99.0	82			95.3
G2		6.3				33.0				33.1				9.4				88		
M2	4.9	5.0	98.0	96.1	33.0	33.1	99.7	100.9	33.1	33.2	99.7	99.1	10.4	10.1	103.0	105.0	83	93	89.2	96.5
Q2	5.2	5.0	104.0	102.0	32.9	32.6	100.9	100.6	33.8	33.6	100.6	101.2	9.2	9.8	93.9	92.9	107	96	111.4	124.6
V2	5.2			102.0	32.7			100.0	33.0			98.8	10.3			104.0	32			95.3
W2	6.0	6.0	100.0	117.6	33.0	33.0	100.0	100.9	33.2	33.2	100.0	99.4	9.8	9.8	100.0	99.0	83	82	101.2	96.5
B3	5.8	5.8	100.0	113.7	33.1	33.1	100.0	101.2	33.2	33.2	100.0	99.4					83	81	102.5	96.5
C3	6.7	6.4	104.7	131.4	32.9	33.0	99.7	100.6	33.0	33.0	100.0	98.8	10.2	10.2	100.0	103.0	86	85	101.2	100.0
F3	5.9	5.5	107.3	115.7	32.2	32.1	100.3	98.5	32.9	32.9	100.0	98.5	10.3	10.4	99.0	104.0	102	92	110.9	118.5
G3		2.7				32.2				34.0				9.9				90		
H3	4.4	4.4	100.0	86.3	32.7	32.8	99.7	100.0	33.9	34.0	99.7	101.5	9.8	9.8	100.0	99.0	85	86	98.8	98.3
M3	5.6	5.6	100.0	109.8	32.4	32.4	100.0	99.1	33.2	33.1	100.3	99.4	9.8	9.4	104.2	99.0	89	91	97.8	103.5
O3	5.0	5.0	100.0	98.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	9.9	9.9	100.0	100.0	82	85	95.5	95.3
R3	6.0	5.7	105.3	117.6	32.8	32.6	100.6	100.3	33.5	33.4	100.3	100.3	9.9	9.6	103.1	100.0	84	80	105.0	97.7
V3	5.6	5.3	105.7	109.8	33.3	32.8	101.5	101.8	34.1	33.6	101.5	102.1	9.8	10.2	96.1	99.0	84	83	101.2	97.7
W3	4.8	3.6	133.3	94.1	32.7	32.4	100.9	100.0	33.8	33.9	99.7	101.2	11.4	11.6	98.3	115.2	86	86	100.0	100.0
X3	5.1	5.1	100.0	100.0	33.1	32.7	101.2	101.2	33.2	33.4	99.4	99.4	9.1	10.1	90.1	91.9	93	89	104.5	108.1
Y3		4.0				33.3				33.4				9.9				94		
Z3	6.0	6.0	100.0	117.6	32.9	33.1	99.4	100.6	33.2	33.4	99.4	99.4	10.1	10.4	97.1	102.0	78	78	100.0	99.7
A4	6.4	5.8	110.3	125.5	31.7	31.8	99.7	96.9	32.2	32.5	99.1	96.4	10.0	9.6	104.2	101.0	82	82	100.0	95.3
C4	5.2	5.4	96.3	102.0	33.0	33.1	99.7	100.9	33.9	34.0	99.7	101.5	9.7	9.9	98.0	98.0	90	81	111.1	104.5
H4	3.8	4.1	92.7	74.5	33.2	32.6	101.8	101.5	34.6	33.8	102.4	103.6	8.6	8.6	100.0	85.9	85	86	98.8	98.8
K4		5.2				32.5				33.4				9.8				83		
R4	4.5	3.9	115.4	88.2	32.5	32.5	100.0	99.4	33.7	33.9	99.4	100.9	10.3	11.0	93.6	104.0	86	86	100.0	100.0
T4		5.5				33.2				34.0				9.4				103		
U4		5.0				32.4				33.4				9.6				88		

FKBG DATA

CUR. AV.	5.4				32.8				33.4				9.8				85			
CUM. AV.	5.1				32.7				33.4				9.9				85			
IND. *D	105.9				100.3				100.0				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 33 LB FOURDRINIER KRAFT LINERBOARD

JUNE, 1984

	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	5.6	5.6	100.0	107.7	33.5	33.3	100.6	102.4	33.6	33.4	100.6	100.6	9.7	9.9	98.0	98.0	79	81	97.5	91.9
E1		6.3				33.2				33.3				9.4				95		
J1	4.6	4.6	100.0	88.5	32.5	32.3	100.6	99.4	32.8	32.6	100.6	98.2	9.9	9.9	100.0	100.0	82	80	102.5	95.3
O1	5.7	5.3	107.5	109.6	32.8	32.6	100.6	100.3	33.6	33.4	100.6	100.6	10.1	9.9	102.0	102.0	79	82	95.3	91.9
U1		5.6				32.6				33.4				9.5				93		
V1	6.0	5.8	103.4	115.4	32.9	32.8	100.3	100.6	33.0	32.9	100.3	98.8	10.1	10.2	99.0	102.0	84	83	101.2	97.7
B2	5.6	5.4	103.7	107.7	33.9	32.5	104.3	103.7	34.7	33.3	104.2	103.9	10.2	9.1	112.1	103.0	85	83	102.4	98.3
E2	5.7	6.0	95.0	109.6	32.9	33.0	99.7	100.6	33.0	33.1	99.7	98.8	8.8	8.8	100.0	88.9	91	97	104.6	105.8
F2	5.1	5.0	102.0	98.1	33.0	33.1	99.7	100.9	33.1	33.2	99.7	99.1	10.0	9.8	102.0	101.0	83	82	101.2	96.5
G2		6.3				33.0				33.1				9.4				83		
M2	4.8	5.0	96.0	92.3	33.1	33.1	100.0	101.2	33.2	33.2	100.0	99.4	10.2	10.2	100.0	103.0	89	92	96.7	103.5
Q2		5.0				32.6				33.6				9.7				98		
W2		5.2				32.7				33.0				10.3				82		
#2	5.8	6.0	96.7	111.5	33.0	33.0	100.0	100.9	33.2	33.2	100.0	99.4	10.0	9.8	102.0	101.0	84	82	102.4	97.7
B3	5.7	5.8	98.3	109.6	33.1	33.1	100.0	101.2	33.2	33.2	100.0	99.4					84	82	102.4	97.7
C3		6.4				33.0				33.0				10.2				85		
F3	5.4	5.5	98.2	103.8	32.1	32.1	100.0	98.2	32.9	32.9	100.0	98.5	10.4	10.4	100.0	105.0	98	93	105.4	114.0
G3		2.7				32.1				33.9				9.9				90		
H3	4.8	4.4	109.1	92.3	32.7	32.7	100.0	100.0	33.8	33.9	99.7	101.2	9.8	9.8	100.0	99.0	89	86	103.5	103.5
M3	5.8	5.6	103.6	111.5	32.6	32.4	100.6	99.7	33.3	33.1	100.6	99.7	10.2	9.4	108.5	103.0	90	91	98.9	104.5
O3	5.1	5.0	102.0	98.1	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	10.2	9.9	103.0	103.0	84	85	98.8	97.7
R3	6.0	5.7	105.3	115.4	32.7	32.6	100.3	100.0	33.4	33.4	100.0	100.0	9.8	9.7	101.0	99.0	82	81	101.2	95.3
V3	5.6	5.4	103.7	107.7	33.3	32.8	101.5	101.8	34.1	33.7	101.2	102.1	10.2	10.1	101.0	103.0	86	83	103.6	100.0
#3	4.6	3.7	124.3	88.5	32.3	32.4	99.7	98.8	33.4	33.9	98.5	100.0	11.5	11.7	98.3	116.2	88	86	102.3	102.3
X3	5.1	5.1	100.0	98.1	33.2	32.8	101.2	101.5	33.3	33.4	99.7	99.7	7.5	10.0	75.0	75.8	93	89	104.5	108.1
Y3		3.7				33.3				33.4				9.8				95		
Z3	6.0	6.0	100.0	115.4	32.9	33.1	99.4	100.6	33.2	33.4	99.4	99.4	10.3	10.4	99.0	106.0	78	78	100.0	90.7
A4	6.1	5.8	105.2	117.3	32.2	31.8	101.2	98.5	32.8	32.4	101.2	98.2	9.8	9.6	102.1	99.0	82	82	100.0	95.3
C4	5.1	5.4	94.4	98.1	32.9	33.1	99.4	100.6	33.9	34.0	99.7	101.5	9.3	9.9	93.9	93.9	88	81	108.6	102.3
H4	3.9	4.0	97.5	75.0	33.4	32.6	102.4	102.1	34.8	33.9	102.6	104.2	8.9	8.6	103.5	89.9	86	86	100.0	100.0
K4		5.2				32.5				33.4				9.8				83		
R4	4.3	4.1	104.9	82.7	32.2	32.5	99.1	98.5	33.4	33.9	98.5	100.0	10.7	10.9	98.2	108.1	88	85	102.3	102.3
T4		5.7				33.2				34.0				9.6				102		
U4		5.1				32.5				33.4				9.6				83		

FKBG DATA												
CUR. AV.	5.3			32.9			33.4			9.9			85			
CUM. AV.	5.2			32.7			33.4			9.9			85			
IND. *D	101.9			100.6			100.0			100.0			100.0			

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

TABLE VIII

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

RING COMPRESSION, LBS.

	APRIL, 1984				MAY, 1984				JUNE, 1984			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1												
E1		47.0				47.0						
J1		49.0				49.9			56.0	50.5	110.9	105.7
O1												
U1		49.3				49.5				49.5		
V1	55.0	51.6	106.6	104.8	54.0	51.9	104.0	102.3	59.0	52.2	113.0	111.3
B2	40.0	50.4	79.4	76.2	46.0	49.1	93.7	87.1	67.0	48.2	139.0	126.4
E2												
F2					45.0			85.2	42.0	45.0	93.3	79.2
G2												
M2	61.0	59.6	102.3	116.2	62.0	59.5	104.2	117.4	63.0	59.5	105.9	118.9
Q2												
V2					56.0			106.1		56.0		
W2												
B3	54.0	49.3	109.5	102.8	54.0	50.1	107.8	102.3	56.0	51.2	109.4	105.7
C3												
F3		52.6				54.4				55.1		
G3		57.7				57.7				57.7		
H3	49.5	57.5	86.1	94.3	53.2	56.8	93.7	100.8	55.4	56.4	98.2	104.5
M3	57.0	55.8	102.2	108.6	57.0	55.9	102.0	108.0	55.0	56.0	98.2	103.8
O3	44.0	47.6	92.4	83.8	44.0	47.3	93.0	83.3	46.0	47.0	97.9	86.8
R3	52.0	51.2	101.6	99.0	46.0	51.3	89.7	87.1	49.0	50.6	96.8	92.4
V3												
W3		58.1			56.0	58.1	96.4	106.1	55.0	57.9	95.0	103.8
X3	71.0	60.2	117.9	135.2	58.0	61.2	94.8	109.8	70.0	60.9	114.9	132.1
Y3		47.0				47.0				46.0		
Z3	55.7	47.9	116.3	106.1	54.9	49.2	111.6	104.0	54.0	49.8	108.4	101.9
A4	48.0	39.9	120.3	91.4	44.0	40.4	108.9	83.3	42.0	40.6	103.4	79.2
C4												
H4	58.0	57.1	101.6	110.5	56.0	57.5	97.4	106.1	62.0	57.7	107.4	117.0
K4												
R4		58.8			63.0	58.8	107.1	119.3	57.0	59.5	95.8	107.5
T4		56.7				56.7				53.5		
U4		50.6				49.7				49.0		

FKBG DATA

CUR. AV.	53.8	53.1	55.5
CUM. AV.	52.5	52.9	53.0
IND. *D	102.5	100.6	104.7

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

TABLE IX

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

APRIL, 1984

	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		5.4				38.3				38.4				10.9				95		
N1	5.7	5.7	100.0	103.6	37.9	37.7	100.5	99.7	38.8	38.5	100.8	100.8	9.9	10.7	92.5	93.8	95	100	95.0	96.9
T1		5.5				38.6				38.7				10.7				98		
U1		5.4				37.4				38.4				10.7				102		
V1		5.7				38.0				38.1				11.8				95		
A2	5.6	5.6	100.0	101.8	38.2	38.2	100.0	100.5	38.5	38.5	100.0	100.0	10.9	11.0	99.1	100.0	93	95	97.9	94.9
K2		5.7				38.1				39.0				10.5				92		
M2	5.4	5.4	100.0	98.2	38.1	38.2	99.7	100.3	38.2	38.3	99.7	99.2	11.6	11.4	101.8	103.4	95	101	94.0	95.9
Q2		5.0				37.2				38.4				11.8				100		
H2	6.5	6.2	104.8	118.2	38.1	38.1	100.0	100.3	38.3	38.3	100.0	99.5	10.9	11.0	99.1	100.0	93	94	98.9	94.9
J3	5.8	5.9	98.3	105.4	38.3	38.2	100.3	100.8	38.4	38.3	100.3	99.7					91	92	98.9	92.8
F3		5.8				37.3				38.1				11.5				111		
G3	4.7	4.1	114.6	85.4	37.6	37.4	100.5	98.9	38.9	38.9	100.0	101.0	11.1	11.0	100.9	101.8	104	101	103.0	105.1
H3	5.2	5.0	104.0	94.5	37.8	37.8	100.0	99.5	38.9	38.9	100.0	101.0	10.9	10.9	100.0	100.0	96	97	99.0	98.0
I3	5.8	5.5	105.4	105.4	37.6	37.8	99.5	98.9	38.4	38.7	99.2	99.7	11.2	11.1	100.9	102.8	96	100	96.0	98.0
J3	5.8	5.8	100.0	105.4	38.4	38.0	101.0	101.0	38.5	38.1	101.0	100.0	11.5	11.6	100.9	103.5	89	92	95.7	90.8
O3	6.1	6.0	101.7	110.9	38.0	38.0	100.0	100.0	38.1	38.1	100.0	99.0	11.4	11.1	102.7	104.6	93	93	100.0	94.9
V3		6.1				38.0				38.7				11.7				95		
H3	5.4	4.7	114.9	98.2	37.9	37.4	101.3	99.7	38.9	38.7	100.5	101.0	12.7	12.3	103.2	116.5	100	100	100.0	102.0
X3		6.2				37.9				38.1				10.3				103		
Y3	4.8	5.0	96.0	87.3	38.4	38.3	100.3	101.0	38.5	38.4	100.3	100.0	11.6	11.6	100.0	103.4	106	104	101.9	108.2
B4		5.5				38.3				38.4				10.2				100		
F4	5.8	5.7	101.8	105.4	37.6	38.2	98.4	98.9	37.7	38.3	98.4	97.9	10.9	10.2	106.9	100.0	100	98	102.0	102.0
H4	5.5	5.3	103.8	100.0	38.3	38.6	99.2	100.8	39.3	39.6	99.2	102.1	9.7	9.8	99.0	89.0	101	96	105.2	103.1
T4	5.5	5.8	96.8	100.0	37.6	38.1	98.7	98.9	38.5	38.9	99.0	100.0	10.6	10.9	97.2	97.2	102	102	100.0	104.1
U4	5.1	5.2	98.1	92.7	37.7	37.4	100.8	99.2	38.8	38.4	101.0	100.8	11.2	11.1	100.9	102.8	101	98	103.1	103.1
V4	5.8	5.4	107.4	105.4	38.0	37.7	100.8	100.0	38.8	38.7	100.2	100.8	10.8	11.0	98.2	99.1	98	100	98.0	100.0

FKBG DATA

CUR. AV.	5.6	38.0	38.6	11.0	97
CUM. AV.	5.5	38.0	38.5	10.9	98
IND. *D	101.8	100.0	100.2	100.9	99.0

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

TABLE X

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

MAY, 1984

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		5.4				38.3				38.4				10.9				95		
N1	5.7	5.6	101.8	103.6	37.9	37.7	100.5	99.7	38.8	38.6	100.5	100.8	10.4	10.6	98.1	95.4	98	99	99.0	100.0
T1		5.5				38.6				38.7				10.7				93		
U1		5.5				37.5				38.4				10.7				102		
V1		5.6				38.0				38.1				11.6				95		
A2		5.6				38.2				38.5				11.0				93		
B2	6.1			110.9	37.5			98.7	38.2			99.2	11.3			103.7	94			95.9
K2	5.7	5.8	98.3	103.6	37.9	38.1	99.5	99.7	38.8	39.0	99.5	100.8	10.7	10.5	101.9	98.2	92	92	100.0	93.9
M2	5.6	5.3	105.7	101.8	38.1	38.2	99.7	100.3	38.2	38.3	99.7	99.2	11.6	11.4	101.8	105.4	94	100	94.0	95.9
Q2	5.2	5.0	104.0	94.5	37.1	37.2	99.7	97.6	38.1	38.4	99.2	99.0	11.4	11.8	96.6	104.6	111	100	111.0	113.3
W2	6.3	6.2	101.6	114.5	38.1	38.1	100.0	100.3	38.3	38.3	100.0	99.5	11.1	11.0	100.9	101.8	93	94	98.9	94.9
B3	5.8	5.9	98.3	105.4	38.4	38.2	100.5	101.0	38.5	38.3	100.5	100.0					91	92	98.9	92.8
F3	6.1	5.9	103.4	110.9	37.5	37.3	100.5	98.7	38.2	38.1	100.3	99.2	11.5	11.5	100.0	105.5	115	112	102.7	117.3
G3		4.2				37.5				38.9				11.0				102		
H3	5.3	5.0	106.0	96.4	37.9	37.8	100.3	99.7	38.9	38.9	100.0	101.0	10.7	10.9	98.2	98.2	97	96	101.0	99.0
I3	5.5	5.5	100.0	100.0	37.9	37.7	100.5	99.7	38.8	38.6	100.5	100.8	11.5	11.2	102.7	105.5	94	99	94.9	95.9
J3	5.8	5.8	100.0	105.4	38.3	38.1	100.5	100.8	38.4	38.2	100.5	99.7	11.5	11.4	100.9	105.5	91	92	98.9	92.8
O3	6.1	6.0	101.7	110.9	38.0	38.0	100.0	100.0	38.1	38.1	100.0	99.0	11.1	11.1	100.0	101.8	96	93	103.2	98.0
V3		6.1				38.0				38.7				11.7				96		
W3		5.0				37.6				38.8				12.5				100		
X3		6.2				37.9				38.1				10.3				103		
Y3	5.1	4.9	104.1	92.7	38.3	38.3	100.0	100.8	38.4	38.4	100.0	99.7	11.5	11.6	99.1	105.5	111	105	105.7	113.3
B4	5.9	5.5	107.3	107.3	38.2	38.3	99.7	100.5	38.3	38.4	99.7	99.5	10.5	10.2	102.9	96.3	95	100	95.0	95.9
F4	5.6	5.7	98.2	101.8	37.7	38.1	99.0	99.2	37.8	38.2	99.0	98.2	10.5	10.3	101.9	96.3	103	98	105.1	105.1
H4	5.5	5.3	103.8	100.0	38.6	38.4	100.5	101.6	39.6	39.4	100.5	102.8	9.2	9.7	94.8	84.4	96	97	99.0	98.0
T4		5.7				38.0				38.9				10.9				102		
U4	5.5	5.2	105.8	100.0	37.6	37.4	100.5	98.9	38.5	38.5	100.0	100.0	11.0	11.1	99.1	100.9	96	98	98.0	98.0
V4		5.4				37.7				38.7				11.0				100		
FKBG DATA																				
CUR. AV.	5.7				37.9				38.5				11.0				98			
CUM. AV.	5.5				38.0				38.5				10.9				98			
IND. *D	103.6				99.7				100.0				100.9				100.0			

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

TABLE XI

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

JUNE, 1984

	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		5.4				38.3				38.4				10.9				95		
N1		5.6				37.7				38.6				10.6				99		
T1	5.6	5.4	103.7	101.8	38.2	38.6	99.0	100.5	38.3	38.7	99.0	99.5	10.9	10.8	100.9	100.0	97	98	99.0	99.0
U1		5.6				37.5				38.4				10.7				102		
V1		5.6				38.0				38.1				11.6				96		
A2	5.5	5.6	98.2	100.0	38.1	38.2	99.7	100.3	38.4	38.5	99.7	99.7	11.2	11.0	101.8	102.8	94	95	98.9	99.9
B2	5.3	6.1	86.9	96.4	37.4	37.5	99.7	98.4	38.4	38.2	100.5	99.7	11.4	11.3	100.9	104.6	97	94	103.2	99.0
K2		5.9				38.0				38.8				10.6				91		
M2	5.6	5.4	103.7	101.8	38.1	38.2	99.7	100.3	38.2	38.2	100.0	99.2	11.7	11.4	102.6	107.3	100	99	101.0	102.0
W2		5.1				37.2				38.3				11.6				103		
D2	6.1	6.2	98.4	110.9	38.0	38.1	99.7	100.0	38.2	38.3	99.7	99.2	11.3	11.0	102.7	103.7	97	94	103.2	99.0
B3	5.9	5.9	100.0	107.3	38.3	38.2	100.3	100.8	38.4	38.3	100.3	99.7					95	92	103.3	95.9
F3		5.8				37.2				38.0				11.6				114		
G3		4.2				37.5				38.9				11.0				102		
H3	5.1	5.1	100.0	92.7	37.8	37.8	100.0	99.5	38.9	38.9	100.0	101.0	10.8	10.8	100.0	99.1	99	96	103.1	101.0
I3	5.3	5.5	96.4	96.4	37.6	37.7	99.7	98.9	38.6	38.7	99.7	100.2	11.3	11.2	100.9	103.7	96	99	97.0	98.0
J3	5.7	5.8	98.3	103.6	38.3	38.1	100.5	100.8	38.4	38.2	100.5	99.7	11.5	11.4	100.9	105.5	91	91	100.0	92.8
O3	6.1	6.0	101.7	110.9	38.1	38.0	100.3	100.3	38.2	38.1	100.3	99.2	10.7	11.1	95.4	93.2	96	93	103.2	98.0
V3		6.1				38.0				38.7				11.7				96		
W3	5.2	5.0	104.0	94.5	37.9	37.6	100.8	99.7	39.0	38.8	100.5	101.3	12.6	12.5	100.8	115.6	95	100	95.0	95.9
X3		6.2				37.9				38.1				10.3				103		
Y3	5.6	5.0	112.0	101.8	38.3	38.3	100.0	100.8	38.4	38.4	100.0	99.7	12.1	11.6	104.3	111.0	101	105	96.2	103.1
B4	5.6	5.6	100.0	101.8	38.2	38.2	100.0	100.5	38.3	38.3	100.0	99.5	10.2	10.2	100.0	93.6	97	100	97.0	99.0
F4	5.8	5.7	101.8	105.4	37.6	38.1	98.7	98.9	37.7	38.2	98.7	97.9	10.2	10.4	98.1	93.6	99	98	101.0	101.0
H4	5.5	5.2	105.8	100.0	38.4	38.4	100.0	101.0	39.4	39.5	99.7	102.3	9.2	9.6	95.8	86.4	92	97	94.8	93.9
T4		5.7				38.0				38.9				10.9				102		
U4	6.0	5.3	113.2	109.1	37.5	37.4	100.3	98.7	38.2	38.5	99.2	99.2	11.3	11.1	101.8	103.7	96	93	98.0	98.0
V4	5.7	5.5	103.6	103.6	38.0	37.7	100.8	100.0	38.9	38.7	100.5	101.0	10.3	11.1	92.8	96.5	108	99	109.1	110.2
FKBG DATA																				
CUR. AV.	5.6				38.0				38.5				11.0				97			
CUM. AV.	5.5				38.0				38.5				10.9				98			
IND. *D	101.8				100.0				100.0				100.9				99.0			

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

TABLE XII

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

RING COMPRESSION, LBS.

	APRIL, 1984				MAY, 1984				JUNE, 1984			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		59.0				59.0				59.0		
N1	72.0	71.4	100.8	112.7	68.0	71.2	95.5	106.4		70.4		
T1		61.5				61.5			57.0	63.0	90.5	89.2
U1		68.4				68.6				68.4		
V1		58.2				61.3				61.3		
A2	70.3	69.1	101.7	110.0		70.4			64.0	70.4	90.9	100.2
B2					74.0			115.8	75.0	74.0	101.4	117.4
K2		54.0			59.0	54.0	109.2	92.3		56.5		
M2	65.0	64.6	100.6	101.7	68.0	64.4	105.6	106.4	72.0	64.7	111.3	112.7
Q2												
W2												
B3	65.0	62.1	104.7	101.7	68.0	62.4	109.0	106.4	67.0	63.9	104.8	104.8
F3		64.1				60.7						
G3	62.0	71.0	87.3	97.0		68.0				68.0		
H3	61.0	68.0	89.7	95.5	65.7	67.4	97.5	102.8	64.7	67.4	96.0	101.2
I3												
J3	62.0	64.5	96.1	97.0	64.0	64.1	99.8	100.2	72.0	64.1	112.3	112.7
D3	51.0	54.9	92.9	79.8	53.0	54.8	96.7	82.9	56.0	54.8	102.2	87.6
V3												
W3		61.0				61.0			64.0	61.0	104.9	100.2
X3		78.0				78.0				78.0		
Y3	53.0	53.7	98.7	82.9	51.0	53.4	95.5	79.8	52.0	53.0	98.1	81.4
B4		66.1			62.3	66.1	94.2	97.5	63.0	66.0	95.4	98.6
F4	57.0	59.9	95.2	89.2	57.1	59.6	95.8	89.4	55.9	59.5	93.9	87.5
H4	66.0	63.4	104.1	103.3	64.0	63.6	100.6	100.2	63.0	64.0	98.4	98.6
T4	60.0	61.1	98.2	93.9		60.5				60.5		
U4		62.8				63.8				63.8		
V4	81.0	72.8	111.3	126.8		73.8			76.6	73.5	104.2	119.9
FKBG DATA												
CUR. AV.	63.5				62.8				64.4			
CUM. AV.	63.9				63.9				63.9			
IND. *D	99.4				98.3				100.8			

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

TABLE XIII

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

APRIL, 1984

	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		5.4				42.3				42.4				12.1				104		
G1	5.1	4.8	106.2	89.5	41.7	41.7	100.0	100.0	42.9	43.1	99.5	101.2	11.2	11.2	100.0	93.3	107	108	99.1	100.9
J1	5.2	5.3	98.1	91.2	41.2	41.2	100.0	98.8	41.6	41.6	100.0	98.1	12.8	12.7	100.8	106.7	101	101	100.0	95.3
K1	6.1	5.6	108.9	107.0	42.2	42.3	99.8	101.2	42.3	43.1	98.1	99.8	12.8	12.2	104.9	106.7	123	119	103.4	115.3
N1		6.1				41.9				42.7				12.0				110		
Q1	5.2	5.2	100.0	91.2	41.1	41.1	100.0	98.6	42.3	42.3	100.0	99.8	11.6	11.6	100.0	96.7	122	116	105.2	115.1
R1	6.1	6.1	100.0	107.0	41.5	41.6	99.8	99.5	42.2	42.4	99.5	99.5	11.6	11.6	100.0	96.7	100	101	99.0	94.3
S1	6.0	6.0	100.0	105.3	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	11.5	11.6	99.1	95.8	103	104	99.0	97.2
T1	5.4	5.6	96.4	94.7	42.0	42.5	98.8	100.7	42.1	42.6	98.8	99.3	11.9	11.8	100.8	99.2	106	105	101.0	100.0
U1	5.6	5.7	98.2	98.2	41.3	41.4	99.8	99.0	42.3	42.4	99.8	99.8	11.9	12.0	99.2	99.2	111	108	102.8	104.7
A2	5.7	5.7	100.0	100.0	42.1	42.1	100.0	101.0	42.5	42.5	100.0	100.2	12.2	12.1	100.8	101.7	107	103	103.9	100.9
E2	6.3	6.4	98.4	110.5	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	10.8	11.3	95.6	90.0	105	106	99.0	99.0
G2	6.1	6.4	95.3	107.0	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.9	12.1	98.3	99.2	107	107	100.0	100.9
J2	6.0	6.0	100.0	105.3	42.2	42.6	99.1	101.2	42.3	42.7	99.1	99.8	10.9	11.2	97.3	90.8	119	112	105.2	112.3
K2	5.9	5.8	101.7	103.5	41.9	41.9	100.0	100.5	42.8	42.8	100.0	100.9	11.6	12.0	96.7	96.7	104	102	102.0	98.1
M2	5.6	5.5	101.8	98.2	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.9	12.6	102.4	107.5	103	107	96.3	97.2
N2	5.6	5.6	100.0	98.2	41.4	41.6	99.5	99.3	42.4	42.6	99.5	100.0	9.9	10.2	97.0	82.5	106	106	100.0	100.0
W2	6.6	6.4	103.1	115.8	42.0	42.1	99.8	100.7	42.2	42.3	99.8	99.5	12.0	12.1	99.2	100.0	105	104	101.0	99.0
B3	5.8	5.9	98.3	101.8	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					104	102	102.0	98.1
C3		6.1				42.1				42.2				12.4				105		
F3	6.2	6.1	101.6	108.8	41.2	41.2	100.0	98.8	41.9	42.0	99.8	98.8	12.9	12.8	100.8	107.5	119	111	107.2	112.3
G3	5.0	4.5	111.1	37.7	41.4	41.4	100.0	99.3	42.6	42.8	99.5	100.5	12.6	12.3	102.4	105.0	107	106	100.9	100.9
H3	5.4	5.2	103.8	94.7	41.9	41.8	100.2	100.5	43.0	43.0	100.0	101.4	12.5	12.2	102.4	104.2	104	104	100.0	98.1
I3	5.8	5.6	103.6	101.8	41.7	41.5	100.5	100.0	42.6	42.5	100.2	100.5	12.2	11.9	102.5	101.7	107	106	100.9	100.9
J3	5.8	5.7	101.8	101.8	42.3	41.9	101.0	101.4	42.4	42.0	101.0	100.0	12.2	12.2	100.0	101.7	102	101	101.0	96.2
L3	6.2	5.9	105.1	108.8	42.0	42.1	99.8	100.7	42.2	42.3	99.8	99.5	11.0	10.9	100.9	91.7	110	106	103.8	103.8
M3	6.1	6.2	98.4	107.0	41.3	41.4	99.8	99.0	42.0	42.1	99.8	99.0	11.0	11.4	96.5	91.7	104	106	98.1	99.1
O3		6.0				42.0				42.1				11.8				104		
V3	5.6	5.5	101.8	98.2	41.8	41.6	100.5	100.2	42.8	42.6	100.5	100.9	12.8	12.5	102.4	106.7	104	104	100.0	98.1
W3	5.5	5.0	110.0	96.5	41.3	41.4	99.8	99.0	42.3	42.6	99.3	99.8	14.0	14.0	100.0	116.7	105	104	101.9	100.9
X3	6.6	6.4	103.1	115.8	42.4	41.9	101.2	101.7	42.5	42.3	100.5	100.2	12.1	12.2	99.2	100.8	106	106	100.0	100.0
Y3		5.2				42.4				42.4				12.7				110		
A4	5.9	5.6	105.4	103.5	40.5	40.8	99.3	97.1	41.4	41.7	99.3	97.6	12.2	12.1	100.8	101.7	104	102	102.0	98.1
B4	5.6	5.5	101.8	98.2	42.3	42.2	100.2	101.4	42.4	42.3	100.2	100.0	11.8	11.4	103.5	98.3	109	106	102.8	102.8
C4	6.2	5.9	105.1	108.8	41.9	41.8	100.2	100.5	42.6	42.8	99.5	100.5	12.2	12.2	100.0	101.7	101	99	102.0	95.3
F4	5.9	5.9	100.0	103.5	42.1	42.0	100.2	101.0	42.2	42.1	100.2	99.5	11.7	11.4	102.6	97.5	107	105	101.9	100.9
G4	6.2	6.1	101.6	108.8	41.6	41.6	100.0	99.8	42.3	42.3	100.0	99.8	12.5	12.4	100.8	106.2	100	100	100.0	94.3
H4	5.9	5.6	105.4	103.5	41.5	41.5	100.0	99.5	42.4	42.5	99.8	100.0	10.6	10.4	101.9	88.3	107	107	100.0	100.9
X4	6.1	6.0	101.7	107.0	41.4	41.4	100.0	99.3	42.1	42.2	99.8	99.3	12.1	12.0	100.8	103.8	101	100	101.0	95.3
R4	5.4	5.2	103.8	94.7	41.4	41.4	100.0	99.3	42.5	42.6	99.8	100.2	12.7	13.1	96.9	105.8	108	106	101.9	101.9
T4	5.7	5.9	96.6	100.0	41.3	41.4	99.8	99.0	42.2	42.3	99.8	99.5	12.1	11.8	102.5	103.8	105	109	95.3	99.0
U4	5.6	5.4	103.7	98.2	41.6	41.4	100.5	99.8	42.6	42.4	100.5	100.5	12.1	12.4	97.6	103.8	104	105	99.0	98.1
V4	5.7	5.4	105.6	100.0	41.5	41.5	100.0	99.5	42.5	42.6	99.8	100.2	11.9	12.1	98.3	99.2	106	108	98.1	100.0
FKBG DATA CUR. AV.	5.8				41.7				42.3				12.0				107			
CUM. AV.	5.7				41.7				42.4				12.0				106			
IND. *D	101.8				100.0				99.8				100.0				100.9			

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

TABLE XIV

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

MAY, 1984

	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		5.4				42.3				42.4				12.1				104		
G1	4.8	4.9	98.0	84.2	41.7	41.7	100.0	100.0	43.1	43.0	100.2	101.6	11.1	11.2	99.1	92.5	109	108	100.9	102.8
J1	5.1	5.3	96.2	89.5	41.2	41.2	100.0	98.8	41.6	41.6	100.0	98.1	12.5	12.7	98.4	104.2	100	101	99.0	94.3
K1	6.2	5.6	110.7	108.8	42.0	42.2	99.5	100.7	42.1	43.0	97.9	99.3	12.2	12.3	99.2	101.7	125	120	104.2	117.9
N1	6.0	6.1	98.4	105.3	41.8	41.9	99.8	100.2	42.6	42.7	99.8	100.5	11.5	12.2	94.3	95.8	103	110	93.6	97.2
Q1	5.5	5.2	105.8	96.5	41.1	41.0	100.2	98.6	42.1	42.2	99.8	99.3	11.8	11.6	101.7	98.3	128	116	110.3	120.8
R1	6.3	6.1	103.3	110.5	41.6	41.6	100.0	99.8	42.3	42.4	99.8	99.8	11.5	11.6	99.1	95.8	100	101	99.0	94.3
S1	6.0	6.0	100.0	105.3	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	11.4	11.6	98.3	95.0	102	104	98.1	95.2
T1	5.7	5.6	101.8	100.0	42.1	42.5	99.0	101.0	42.2	42.6	99.1	99.5	11.9	11.8	100.8	99.2	104	105	99.0	98.1
U1	5.9	5.8	101.7	103.5	41.5	41.4	100.2	99.5	42.4	42.3	100.2	100.0	12.0	12.0	100.0	100.0	108	109	99.1	101.9
A2	5.8	5.7	101.8	101.8	42.0	42.1	99.8	100.7	42.4	42.5	99.8	100.0	11.9	12.2	97.5	99.2	103	104	99.0	97.2
E2	6.3	6.4	98.4	110.5	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.4	11.2	101.8	95.0	106	106	100.0	100.0
G2	6.3	6.4	98.4	110.5	41.8	42.0	99.5	100.2	41.9	42.1	99.5	98.8	12.2	12.1	100.8	101.7	105	107	98.1	99.0
J2	5.6	6.0	93.3	98.2	42.1	42.5	99.0	101.0	42.2	42.6	99.1	99.5	10.9	11.1	98.2	90.8	126	115	109.6	118.9
K2	6.0	5.8	103.4	105.3	41.9	41.9	100.0	100.5	42.7	42.8	99.8	100.7	11.9	11.9	100.0	99.2	103	102	101.0	97.2
M2	5.7	5.5	103.6	100.0	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.9	12.6	102.4	107.5	103	107	95.3	97.2
R2	5.8	5.6	103.6	101.8	41.6	41.6	100.0	99.8	42.5	42.6	99.8	100.2	10.4	10.1	103.0	86.7	105	106	99.0	99.0
W2	6.7	6.4	104.7	117.5	42.0	42.1	99.8	100.7	42.2	42.3	99.8	99.5	12.0	12.1	99.2	100.0	104	104	100.0	98.1
B3	5.9	5.8	101.7	103.5	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					102	102	100.0	95.2
C3		6.1				42.1				42.2				12.4				105		
F3	6.3	6.1	103.3	110.5	41.1	41.2	99.8	98.6	41.8	41.9	99.8	98.6	12.8	12.8	100.0	105.7	119	112	105.2	112.5
G3	5.0	4.6	108.7	87.7	41.3	41.4	99.8	99.0	42.5	42.8	99.3	100.2	12.5	12.3	101.6	104.2	108	106	101.9	101.9
H3	5.4	5.2	103.8	94.7	41.8	41.8	100.0	100.2	42.9	43.0	99.8	101.2	12.5	12.2	102.4	104.2	104	104	100.0	98.1
I3	5.8	5.7	101.8	101.8	41.8	41.6	100.5	100.2	42.7	42.5	100.5	100.7	11.8	11.9	99.2	98.3	105	106	99.0	99.0
J3	5.7	5.7	100.0	100.0	42.2	41.9	100.7	101.2	42.3	42.0	100.7	99.8	12.3	12.3	100.0	102.5	101	101	100.0	95.3
L3	5.6	5.9	94.9	98.2	42.0	42.1	99.8	100.7	42.2	42.3	99.8	99.5	11.1	10.9	101.8	92.5	107	107	100.0	100.9
M3	6.4	6.1	104.9	112.3	41.6	41.4	100.5	99.8	42.2	42.1	100.2	99.5	11.0	11.4	96.5	91.7	105	106	99.0	99.0
O3	6.1	6.0	101.7	107.0	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.9	11.8	100.8	99.2	102	104	98.1	96.2
V3	5.5	5.6	98.2	96.5	41.7	41.6	100.2	100.0	42.7	42.7	100.0	100.7	12.6	12.5	100.8	105.0	104	104	100.0	99.1
W3	5.4	5.1	105.9	94.7	41.3	41.4	99.8	99.0	42.4	42.6	99.5	100.0	13.5	14.0	96.4	112.5	103	104	99.0	97.2
X3	6.6	6.5	101.5	115.8	42.3	41.9	101.0	101.4	42.4	42.3	100.2	100.0	12.5	12.2	102.4	104.2	108	106	101.9	101.9
Y3		5.2				42.4				42.5				12.8				110		
A4	6.2	5.7	108.8	108.8	40.5	40.7	99.5	97.1	41.2	41.6	99.0	97.2	12.0	12.3	97.6	100.0	104	102	102.0	98.1
B4	5.9	5.5	107.3	103.5	42.2	42.2	100.0	101.2	42.3	42.3	100.0	99.8	11.9	11.4	104.4	99.2	109	106	102.8	102.3
C4	6.0	5.9	101.7	105.3	41.8	41.9	99.8	100.2	42.6	42.8	99.5	100.5	12.1	12.2	99.2	100.8	102	100	102.0	96.2
F4	5.9	5.9	100.0	103.5	42.1	42.0	100.2	101.0	42.2	42.1	100.2	99.5	11.5	11.5	100.0	95.8	108	106	101.9	101.9
G4	6.3	6.1	103.3	110.5	41.7	41.6	100.2	100.0	42.4	42.4	100.0	100.0	12.6	12.4	101.6	105.0	100	100	100.0	94.3
H4	5.6	5.6	100.0	98.2	42.3	41.5	101.9	101.4	43.3	42.5	101.9	102.1	10.5	10.4	101.0	87.5	108	108	100.0	101.9
K4	6.1	6.0	101.7	107.0	41.4	41.4	100.0	99.3	42.1	42.2	99.8	99.3	11.5	12.0	95.8	95.8	100	100	100.0	94.3
R4	5.7	5.4	105.6	100.0	41.5	41.5	100.0	99.5	42.5	42.6	99.8	100.2	12.7	13.0	97.7	105.8	106	106	100.0	100.0
T4	5.4	5.9	91.5	94.7	41.3	41.4	99.8	99.0	42.4	42.3	100.2	100.0	11.8	11.8	100.0	98.3	105	109	96.3	99.0
U4	5.6	5.4	103.7	98.2	41.7	41.4	100.7	100.0	42.7	42.4	100.7	100.7	12.2	12.4	98.4	101.7	104	105	99.0	99.1
V4	5.6	5.4	103.7	98.2	41.5	41.5	100.0	99.5	42.5	42.6	99.8	100.2	11.7	12.0	97.5	97.5	108	108	100.0	101.9
FKBG DATA																				
CUR. AV.	5.8				41.7				42.3				11.9				106			
CUM. AV.	5.7				41.7				42.4				12.0				106			
IND. *D	101.8				100.0				99.8				99.2				100.0			

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

TABLE XV

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

JUNE, 1984

	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		5.4				42.3				42.4				12.2				104		
B1	4.9	4.9	100.0	86.0	41.8	41.7	100.2	100.2	43.1	43.0	100.2	101.6	11.3	11.2	100.9	94.2	105	108	98.1	100.0
J1	5.1	5.3	96.2	89.5	41.2	41.2	100.0	98.8	41.6	41.6	100.0	98.1	12.5	12.7	98.4	104.2	100	100	100.0	94.3
K1	6.1	5.7	107.0	107.0	42.0	42.2	99.5	100.7	42.1	42.9	98.1	99.3	12.2	12.3	99.2	101.7	118	121	97.5	111.3
N1	6.0	6.1	98.4	105.3	41.9	41.9	100.0	100.5	42.7	42.7	100.0	100.7	11.3	12.0	94.2	94.2	108	108	100.0	101.9
Q1	5.5	5.2	105.8	96.5	41.4	41.0	101.0	99.3	42.4	42.2	100.5	100.0	12.0	11.7	102.6	100.0	120	117	102.6	113.2
R1	6.1	6.1	100.0	107.0	41.5	41.6	99.8	99.5	42.2	42.4	99.5	99.5	11.7	11.5	101.7	97.5	100	101	99.0	94.3
S1	6.0	6.0	100.0	105.3	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	11.5	11.6	99.1	95.8	105	104	101.0	99.0
T1	5.8	5.6	103.6	101.8	42.0	42.4	99.0	100.7	42.1	42.5	99.0	99.3	12.0	11.8	101.7	100.0	104	105	99.0	98.1
U1	6.2	5.9	105.1	108.8	41.6	41.5	100.2	99.8	42.3	42.3	100.0	99.8	12.2	12.0	101.7	101.7	106	108	98.1	100.0
A2	5.7	5.7	100.0	100.0	42.0	42.1	99.8	100.7	42.4	42.5	99.8	100.0	12.1	12.1	100.0	100.8	104	104	100.0	98.1
E2	6.3	6.4	98.4	110.5	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.1	11.2	99.1	92.5	107	106	100.9	100.9
G2	6.4	6.4	100.0	112.3	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	12.0	12.2	98.4	100.0	106	107	99.1	100.0
J2		5.9				42.4				42.5				11.0				113		
K2	5.7	5.8	98.3	100.0	41.8	41.9	99.8	100.2	42.8	42.8	100.0	100.9	12.8	11.9	107.6	106.7	109	102	106.9	102.8
M2	5.6	5.6	100.0	98.2	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.7	12.7	100.0	105.8	105	106	100.0	100.0
R2	6.1	5.7	107.0	107.0	42.5	41.6	102.2	101.9	43.3	42.6	101.6	102.1	10.6	10.1	105.0	88.3	107	106	100.9	100.9
W2	6.4	6.4	100.0	112.3	42.0	42.1	99.8	100.7	42.2	42.3	99.8	99.5	12.1	12.0	100.8	100.8	105	104	101.0	99.0
B3	5.9	5.8	101.7	103.5	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					103	103	100.0	97.2
C3	6.4	6.1	104.9	112.3	42.0	42.1	99.8	100.7	42.1	42.2	99.8	99.3	12.1	12.4	97.6	100.8	103	105	98.1	97.2
F3	6.4	6.1	104.9	112.3	40.8	41.2	99.0	97.8	41.4	41.9	98.8	97.6	12.5	12.8	97.6	106.2	112	112	100.0	105.7
G3	4.8	4.7	102.1	84.2	41.2	41.3	99.8	98.8	42.6	42.7	99.8	100.5	12.7	12.4	102.4	105.8	108	107	100.9	101.9
H3	5.4	5.3	101.9	94.7	41.8	41.8	100.0	100.2	42.9	42.9	100.0	101.2	12.5	12.2	102.4	104.2	104	104	100.0	98.1
I3	5.8	5.7	101.8	101.8	41.4	41.6	99.5	99.3	42.3	42.5	99.5	99.8	12.3	11.9	103.4	102.5	105	106	99.0	99.0
J3	5.8	5.7	101.8	101.8	42.3	41.9	101.0	101.4	42.4	42.0	101.0	100.0	12.2	12.3	99.2	101.7	98	101	97.0	92.4
L3	5.7	5.9	96.6	100.0	42.1	42.1	100.0	101.0	42.3	42.3	100.0	99.8	11.3	10.9	103.7	96.2	108	107	100.9	101.9
M3	6.3	6.2	101.6	110.5	41.5	41.4	100.2	99.5	42.2	42.1	100.2	99.5	11.3	11.4	99.1	96.2	108	106	101.9	101.9
O3	6.1	6.0	101.7	107.0	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	12.2	11.8	103.4	101.7	105	104	101.0	99.0
W3	5.6	5.6	100.0	98.2	41.3	41.6	100.5	100.2	42.8	42.7	100.2	100.9	12.9	12.6	102.4	107.5	103	104	99.0	97.2
A3	5.4	5.2	103.8	94.7	41.2	41.4	99.5	98.8	42.3	42.5	99.5	99.8	13.8	14.0	98.6	115.0	104	104	100.0	98.1
X3	6.4	6.5	98.5	112.3	42.8	42.0	101.9	102.6	42.9	42.3	101.4	101.2	12.1	12.2	99.2	100.8	108	106	101.9	101.9
Y3		5.3				42.4				42.5				12.8				110		
A4	6.1	5.7	107.0	107.0	41.2	40.7	101.2	98.8	41.9	41.6	100.7	98.8	12.8	12.2	104.9	106.7	102	102	100.0	95.2
B4	5.8	5.6	103.6	101.8	42.1	42.2	99.8	101.0	42.2	42.3	99.8	99.5	11.3	11.5	98.3	94.2	106	105	100.0	100.0
C4	5.9	5.9	100.0	103.5	41.8	41.9	99.8	100.2	42.7	42.8	99.8	100.7	11.4	12.2	93.4	95.0	101	100	101.0	95.3
F4	5.7	5.9	96.6	100.0	42.1	42.0	100.2	101.0	42.2	42.1	100.2	99.5	11.8	11.5	102.6	98.3	108	106	101.9	101.9
G4	6.3	6.2	101.6	110.5	41.8	41.6	100.5	100.2	42.5	42.4	100.2	100.2	12.3	12.4	99.2	102.5	101	100	101.0	95.3
H4	5.7	5.6	101.8	100.0	42.2	41.6	101.4	101.2	43.2	42.6	101.4	101.9	10.6	10.4	101.9	88.5	108	108	100.0	101.9
K4		6.0				41.4				42.2				11.9				103		
R4	5.7	5.4	105.6	100.0	41.6	41.5	100.2	99.8	42.6	42.6	100.0	100.5	12.5	13.0	96.2	106.2	105	106	99.0	99.0
T4	5.7	5.8	98.3	100.0	41.2	41.4	99.5	98.8	42.1	42.3	99.5	99.3	11.6	11.8	98.3	95.7	109	109	100.0	102.5
U4	5.9	5.5	107.3	103.5	41.5	41.4	100.2	99.5	42.4	42.5	99.8	100.0	12.4	12.4	100.0	103.3	104	105	99.0	98.1
V4	5.6	5.5	101.8	98.2	41.4	41.5	99.8	99.3	42.4	42.5	99.8	100.0	11.4	12.0	95.0	95.0	111	108	102.8	104.7

FKBG DATA				
CUR. AV.	5.8	41.8	42.4	12.0	106
CUM. AV.	5.7	41.7	42.4	12.0	106
IND. *D	101.8	100.2	100.0	100.0	100.0

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

TABLE XVI

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

RING COMPRESSION, LBS.

	APRIL, 1984				MAY, 1984				JUNE, 1984			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		70.6				70.6				71.0		
G1	62.1	72.0	86.2	88.3	70.6	71.2	99.2	100.4	64.5	71.3	90.5	91.2
J1	64.0	69.2	92.5	91.0	80.0	70.1	114.1	113.8	77.0	71.8	107.2	108.9
K1	71.0	71.1	99.8	101.0	68.0	70.9	95.9	96.7	63.0	70.4	89.5	89.1
N1		79.6			111.0	79.6	139.4	157.9	78.0	84.8	92.0	110.3
Q1	70.0	67.8	103.2	99.6	71.0	67.2	105.6	101.0	71.0	66.8	106.3	100.4
R1												
S1	67.0	66.3	101.0	95.3	69.0	66.2	104.2	98.2	67.0	66.5	100.8	94.8
T1	67.0	67.2	99.7	95.3	63.0	67.2	93.8	89.6	61.0	66.9	91.2	86.3
U1	74.0	74.5	99.3	105.3		74.3				74.3		
A2	75.2	71.9	104.6	107.0	75.3	72.1	104.4	107.1	77.0	72.3	106.5	108.9
E2												
G2												
J2												
K2	72.0	71.0	101.4	102.4	68.0	71.2	95.5	96.7	59.0	70.7	83.4	83.4
M2	72.0	71.9	100.1	102.4	77.0	71.8	107.2	109.5	79.0	72.6	108.8	111.7
R2	70.0	66.8	104.8	99.6	68.0	66.8	101.8	96.7	70.0	67.1	104.3	99.0
W2												
B3	73.0	68.9	106.0	103.8	81.0	69.6	116.4	115.2	78.0	71.1	109.7	110.3
C3												
F3		77.4				76.8				77.0		
G3	69.0	70.3	98.2	98.2	72.9	70.1	102.7	102.4	69.0	70.3	98.2	97.6
H3	70.8	76.8	92.2	100.7	75.9	76.4	99.3	108.0	74.1	76.5	96.9	104.8
I3												
J3	70.0	74.4	94.1	99.6	73.0	73.8	98.9	103.8	81.0	73.7	109.9	114.6
L3												
M3	78.0	72.2	108.0	111.0	74.0	72.8	101.6	105.3	74.0	72.9	101.5	104.7
O3		64.4			66.0	64.4	102.5	93.9	66.0	64.4	102.5	93.4
V3												
W3		69.3			70.0	69.3	101.0	99.6	69.0	69.4	99.4	97.6
X3	82.0	80.2	102.2	116.6	88.0	80.4	109.4	125.2	80.0	81.1	98.6	113.2
Y3		58.6				58.7				58.6		
A4	62.0	58.3	106.3	88.2	63.0	58.7	107.3	89.6	64.0	60.2	106.3	90.5
B4	73.9	72.2	102.4	105.1	74.5	72.3	103.0	106.0	71.3	72.8	97.9	100.8
C4												
F4	63.2	66.6	94.9	89.9	64.0	66.4	96.4	91.0	65.2	66.4	98.2	92.2
G4												
H4	58.0	70.3	82.5	82.5	68.0	69.4	98.0	96.7	70.0	69.0	101.4	99.0
K4												
R4		70.1			74.0	70.1	105.6	105.3	73.0	70.6	103.4	103.2
T4	65.0	65.5	99.2	92.5	67.0	65.1	102.9	95.3	66.0	65.2	101.2	93.4
U4		68.3				68.4				68.2		
V4	85.0	83.2	102.2	120.9	85.0	83.1	102.3	120.9	119.0	83.2	143.0	168.3
FKBG DATA												
CUR. AV.	70.2				73.7				72.5			
CUM. AV.	70.3				70.3				70.7			
IND. *D	99.8				104.8				102.5			

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

TABLE XVII

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

APRIL, 1984

	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
G1	6.7	6.6	101.5	108.1	68.8	68.6	100.3	100.3	69.6	69.5	100.1	100.3	17.9	17.9	100.0	91.8	150	145	103.4	105.5
J1	6.0	5.9	101.7	96.8	67.6	67.5	100.1	98.5	68.2	68.1	100.1	98.3	20.9	20.5	102.0	107.2	145	145	100.0	102.1
K1	6.7	6.7	100.0	108.1	69.2	69.2	100.0	100.9	69.4	69.9	99.3	100.0	19.3	19.5	99.0	99.0	163	158	103.2	114.3
M1	6.5	6.4	101.6	104.8	69.0	68.7	100.4	100.6	70.0	69.8	100.3	100.9	20.3	20.6	98.5	104.1	135	140	97.1	95.8
Q1	5.2	5.4	96.3	83.9	67.4	67.5	99.8	98.2	69.3	69.2	100.1	99.8	20.0	19.6	102.0	102.6	151	156	96.8	106.3
R1	6.7	6.7	100.0	108.1	68.7	68.5	100.3	100.1	69.5	69.4	100.1	100.1	19.5	19.5	100.0	100.0	134	134	100.0	94.4
S1	7.0	7.0	100.0	112.9	69.0	69.1	99.8	100.6	69.2	69.3	99.8	99.7	19.7	19.8	99.5	101.0	139	138	100.7	97.9
T1	6.0	5.8	103.4	96.8	69.3	69.4	99.8	101.0	69.5	69.6	99.8	100.1	19.5	19.2	101.6	100.0	138	139	99.3	97.2
A2		5.3				69.1				69.7				20.0				143		
E2	6.2	6.4	96.9	100.0	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.8	18.8	19.1	98.4	95.4	141	140	100.7	99.3
G2	6.7	6.6	101.5	108.1	69.0	69.3	99.6	100.6	69.2	69.5	99.6	99.7	19.9	20.1	98.5	101.5	145	140	103.6	102.1
J2	6.5	6.6	98.5	104.8	69.1	68.6	100.7	100.7	69.3	69.2	100.1	99.8	18.8	19.0	98.9	95.4	145	141	103.5	102.8
K2	6.3	6.2	101.6	101.6	68.4	68.5	99.8	99.7	69.5	69.7	99.7	100.1	19.7	20.2	97.5	101.0	137	135	101.5	95.5
M2	6.0	5.9	101.7	96.8	69.4	69.2	100.3	101.2	69.6	69.4	100.3	100.3	20.9	20.6	101.4	107.2	136	141	95.4	95.8
R2	5.9	5.9	100.0	95.2	68.0	68.2	99.7	99.1	69.4	69.6	99.7	100.0	16.5	16.8	98.2	84.5	146	139	105.0	102.8
B3	5.8	5.9	98.3	93.5	69.0	69.1	99.8	100.6	69.2	69.3	99.8	99.7					139	140	99.3	97.9
F3	6.5	6.2	104.8	104.8	68.1	67.9	100.3	99.3	69.1	69.0	100.1	99.6	21.1	21.5	98.1	103.2	150	146	102.7	105.5
G3	5.5	5.1	107.8	88.7	67.9	68.4	99.3	99.0	69.6	70.3	99.0	100.3	20.8	20.3	102.5	106.7	148	145	102.1	104.2
I3	7.0	6.8	102.9	112.9	68.9	68.8	100.1	100.4	69.5	69.6	99.8	100.1	19.4	19.1	101.6	99.5	136	140	97.1	95.8
J3	5.9	5.8	101.7	95.2	69.4	68.8	100.9	101.2	69.6	69.0	100.9	100.3	20.0	19.7	101.5	102.6	145	141	102.8	102.1
L3	6.8	6.6	103.0	109.7	69.0	69.0	100.0	100.6	69.3	69.3	100.0	99.8	18.5	18.9	97.9	94.9	140	141	99.3	98.5
M3	6.3	6.2	101.6	101.6	68.2	68.2	100.0	99.4	69.3	69.4	99.8	99.8	18.6	19.0	97.9	95.4	137	138	99.3	95.5
N3	6.7	6.4	104.7	108.1	69.0	69.0	100.0	100.6	69.6	69.6	100.0	100.3	19.4	19.7	98.5	99.5	142	140	101.4	100.0
S3	6.3	6.5	96.9	101.6	70.3	69.0	101.9	102.5	71.4	70.0	102.0	102.9	19.8	19.3	102.6	101.5	137	140	97.8	95.5
X3		7.2				68.8				69.2				18.7				142		
Y3		6.2				69.4				69.6				20.9				150		
A4		6.0				67.3				68.6				20.6				142		
B4	6.3	6.6	95.4	101.6	69.2	69.1	100.1	100.9	69.4	69.3	100.1	100.0	17.4	18.0	96.7	89.2	147	143	102.8	103.5
F4	6.3	6.1	103.3	101.6	69.1	69.0	100.1	100.7	69.3	69.2	100.1	99.8	19.7	18.6	105.9	101.0	144	146	98.6	101.4
G4	7.0	7.0	100.0	112.9	68.8	68.8	100.0	100.3	69.4	69.4	100.0	100.0	19.0	19.2	99.0	97.4	138	138	100.0	97.2
R4		5.8				68.2				69.7				20.2				150		
T4	5.9	6.4	92.2	95.2	68.1	68.3	99.7	99.3	69.5	69.4	100.1	100.1	19.3	19.6	98.5	99.0	144	145	99.3	101.4
U4	6.1	6.0	101.7	98.4	69.0	68.1	101.3	100.6	70.2	69.5	101.0	101.2	20.7	20.3	102.0	105.2	140	140	100.0	98.5
W4	5.7	5.7	100.0	91.9	67.7	68.1	99.4	98.7	69.3	69.7	99.4	99.8	19.6	21.0	93.3	100.5	147	138	105.5	103.5
FKBG DATA																				
CUR. AV.	6.3				68.7				69.5				19.5				143			
CUM. AV.	6.2				68.6				69.4				19.5				142			
IND. *D	101.6				100.1				100.1				100.0				100.7			

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

TABLE XVIII

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

MAY, 1984

	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
G1	6.8	6.6	103.0	107.9	68.6	68.6	100.0	100.0	69.4	69.5	99.8	100.0	18.0	18.0	100.0	92.3	151	146	103.4	105.3
J1	6.2	6.0	103.3	98.4	67.6	67.5	100.1	98.5	68.2	68.1	100.1	98.3	20.4	20.6	99.0	104.6	145	145	100.0	102.1
K1	6.7	6.7	100.0	106.3	69.1	69.2	99.8	100.7	69.3	69.8	99.3	99.8	19.2	19.6	98.0	98.5	164	158	103.8	115.5
N1	6.6	6.4	103.1	104.8	68.9	68.8	100.1	100.4	69.8	69.8	100.0	100.6	19.2	20.6	93.2	93.5	137	139	98.6	95.5
Q1	5.5	5.4	101.8	87.3	67.6	67.5	100.1	98.5	69.3	69.2	100.1	99.8	19.5	19.6	99.5	100.0	165	155	107.1	115.9
R1	6.6	6.7	98.5	104.8	68.6	68.6	100.0	100.0	69.5	69.4	100.1	100.1	18.9	19.5	96.9	95.9	135	134	100.7	95.1
S1	7.0	7.0	100.0	111.1	69.2	69.1	100.1	100.9	69.4	69.3	100.1	100.0	19.2	19.8	97.0	98.5	138	138	100.0	97.2
T1	6.1	5.8	105.2	96.8	69.2	69.4	99.7	100.9	69.4	69.6	99.7	100.0	19.6	19.2	102.1	100.5	137	139	98.6	95.5
A2		5.8				69.1				69.7				20.0				143		
E2		6.4				69.0				69.2				19.0				141		
G2		6.6				69.2				69.4				20.0				141		
J2	6.7	6.6	101.5	106.3	69.8	68.6	101.7	101.7	70.0	69.2	101.2	100.9	19.0	19.0	100.0	97.4	144	142	101.4	101.4
K2	6.2	6.2	100.0	98.4	68.5	68.4	100.1	99.8	69.7	69.6	100.1	100.4	20.6	20.2	102.0	105.6	136	135	100.7	95.8
M2	5.9	5.9	100.0	93.6	69.1	69.2	99.8	100.7	69.3	69.4	99.8	99.8	20.9	20.6	101.4	107.2	138	140	98.6	97.2
R2	6.1	5.9	103.4	96.8	68.2	68.2	100.0	99.4	69.4	69.6	99.7	100.0	16.1	16.8	95.8	82.6	140	140	100.0	98.5
B3	5.9	5.8	101.7	93.6	69.0	69.1	99.8	100.6	69.2	69.3	99.8	99.7					138	140	98.5	97.2
F3	6.5	6.3	103.2	103.2	68.0	68.0	100.0	99.1	69.0	69.1	99.8	99.4	21.8	21.4	101.9	111.8	147	148	99.3	103.5
G3	5.6	5.2	107.7	88.9	68.0	68.3	99.6	99.1	69.6	70.2	99.1	100.3	20.5	20.3	101.0	105.1	150	145	103.4	105.5
I3	6.8	6.8	100.0	107.9	68.9	68.8	100.1	100.4	69.7	69.6	100.1	100.4	19.7	19.1	103.1	101.0	137	139	98.6	95.5
J3	5.7	5.8	98.3	90.5	69.3	68.9	100.6	101.0	69.5	69.1	100.6	100.1	21.0	19.7	106.6	107.7	138	142	97.2	97.2
L3	6.6	6.6	100.0	104.8	69.0	69.0	100.0	100.6	69.3	69.3	100.0	99.8	18.4	18.8	97.9	94.4	139	141	98.6	97.9
M3		6.3				68.2				69.4				19.0				137		
N3	6.7	6.4	104.7	106.3	68.8	69.0	99.7	100.3	69.4	69.6	99.7	100.0	19.3	19.7	98.0	99.0	141	140	100.7	99.3
S3	6.5	6.5	100.0	103.2	69.5	69.2	100.4	101.3	70.5	70.2	100.4	101.6	19.8	19.3	102.6	101.5	138	139	99.3	97.2
X3	7.2	7.2	100.0	114.3	69.2	68.8	100.6	100.9	69.4	69.2	100.3	100.0	19.2	18.7	102.7	98.5	142	142	100.0	100.0
Y3		6.2				69.4				69.6				20.9				150		
A4		6.0				67.2				68.6				20.7				143		
B4	6.5	6.5	100.0	103.2	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.8	19.5	18.0	108.3	100.0	147	144	102.1	103.5
F4	6.5	6.1	106.6	103.2	68.9	69.0	99.8	100.4	69.1	69.2	99.8	99.6	18.8	18.7	100.5	95.4	144	145	99.3	101.4
G4	7.0	7.0	100.0	111.1	69.0	68.8	100.3	100.6	69.6	69.4	100.3	100.3	19.3	19.1	101.0	99.0	139	138	100.7	97.9
K4	5.9			93.6	68.0			99.1	69.4			100.0	19.8			101.5	137			95.5
R4		5.8				68.2				69.7				20.2				150		
T4	7.0	6.3	111.1	111.1	68.9	68.2	101.0	100.4	69.5	69.4	100.1	100.1	19.2	19.5	98.5	93.5	142	145	97.9	100.0
U4	6.1	6.0	101.7	96.8	68.2	68.2	100.0	99.4	69.4	69.5	99.8	100.0	19.8	20.3	97.5	101.5	139	140	99.3	97.9
V4	5.6	5.6	100.0	88.9	68.1	68.0	100.1	99.3	69.7	69.6	100.1	100.4	19.3	20.8	92.8	99.0	139	139	100.0	97.9
FKBG DATA																				
CUR. AV.	6.4				68.7				69.4				19.5				142			
CUM. AV.	6.3				68.6				69.4				19.5				142			
IND. *D	101.6				100.1				100.0				100.0				100.0			

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

TABLE XIX

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

JUNE, 1984

	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
G1	6.8	6.7	101.5	107.9	68.5	68.6	99.8	99.8	69.3	69.4	99.8	99.8	18.0	17.9	100.6	92.3	148	145	101.4	104.2
J1	6.1	6.0	101.7	96.8	67.7	67.5	100.3	98.7	68.3	68.1	100.3	98.4	20.4	20.5	99.5	104.6	147	146	100.7	103.5
K1	6.8	6.8	100.0	107.9	69.2	69.2	100.0	100.9	69.4	69.7	99.6	100.0	18.7	19.6	95.4	95.9	162	158	102.5	114.1
N1	6.7	6.4	104.7	106.3	68.9	68.8	100.1	100.4	69.7	69.8	99.8	100.4	19.6	20.5	95.6	100.5	140	139	100.7	98.6
Q1	5.0	5.4	92.6	79.4	67.6	67.5	100.1	98.5	69.6	69.2	100.6	100.3	19.8	19.6	101.0	101.5	152	156	97.4	107.0
R1		6.7				68.6				69.4				19.4				133		
S1	7.0	7.0	100.0	111.1	69.0	69.1	99.8	100.6	69.2	69.3	99.8	99.7	19.2	19.8	97.0	98.5	137	138	99.3	96.5
T1	6.3	5.8	108.6	100.0	68.9	69.3	99.4	100.4	69.1	69.5	99.4	99.6	18.8	19.3	97.4	95.4	137	139	98.6	95.5
A2		5.8				69.1				69.7				20.0				143		
E2	6.5	6.4	101.6	103.2	69.1	69.0	100.1	100.7	69.3	69.2	100.1	99.8	18.9	19.0	99.5	98.9	138	141	97.9	97.2
G2	6.6	6.8	97.0	104.8	69.6	69.2	100.6	101.4	69.8	69.4	100.6	100.6	20.1	20.2	99.5	103.1	139	142	97.9	97.9
J2	6.8	6.5	104.6	107.9	69.7	68.8	101.3	101.6	69.9	69.4	100.7	100.7	19.3	19.0	101.6	99.0	142	142	100.0	100.0
K2	6.1	6.2	98.4	96.8	68.5	68.5	100.0	99.8	69.7	69.6	100.1	100.4	20.8	20.3	102.5	106.7	138	135	102.2	97.2
M2	5.7	5.9	96.6	90.5	69.2	69.2	100.0	100.9	69.4	69.4	100.0	100.0	20.9	20.6	101.4	107.2	139	140	99.3	97.9
R2	6.3	5.9	106.8	100.0	69.2	68.2	101.5	100.9	70.3	69.6	101.0	101.3	17.3	16.6	104.2	88.7	142	140	101.4	100.0
B3	6.0	5.8	103.4	95.2	69.0	69.1	99.8	100.6	69.2	69.3	99.8	99.7					150	139	107.9	105.5
F3		6.3				68.0				69.0				21.4				143		
G3	5.9	5.3	111.3	93.6	68.1	68.2	99.8	99.3	69.5	70.1	99.1	100.1	19.9	20.3	98.0	102.0	148	145	101.4	104.2
I3	7.0	6.8	102.9	111.1	68.6	68.8	99.7	100.0	69.2	69.6	99.4	99.7	20.0	19.2	104.2	102.6	138	138	100.0	97.2
J3	5.8	5.8	100.0	92.1	69.1	68.9	100.3	100.7	69.3	69.1	100.3	99.8	19.9	19.9	100.0	102.0	135	141	95.7	95.1
L3	6.3	6.6	95.4	100.0	69.1	69.0	100.1	100.7	69.4	69.3	100.1	100.0	18.8	18.7	100.5	95.4	138	141	97.9	97.2
M3	5.6	6.3	88.9	88.9	67.9	68.3	99.4	99.0	69.5	69.4	100.1	100.1	18.7	19.0	98.4	95.9	140	137	102.2	98.6
N3	6.8	6.5	104.6	107.9	68.9	69.0	99.8	100.4	69.5	69.6	99.8	100.1	19.3	19.6	98.5	99.0	142	141	100.7	100.0
S3	6.5	6.5	100.0	103.2	69.1	69.3	99.7	100.7	70.1	70.2	99.8	101.0	19.5	19.3	101.0	100.0	137	139	98.6	95.5
X3		7.2				68.8				69.2				18.8				142		
Y3		6.2				69.4				69.6				20.9				150		
A4		6.0				67.1				68.4				21.0				143		
B4	6.6	6.5	101.5	104.8	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.8	18.2	18.0	101.1	93.3	139	144	96.5	97.9
F4	6.1	6.1	100.0	96.8	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.6	18.8	98.9	95.4	146	145	100.7	102.8
G4	7.1	7.0	101.4	112.7	69.0	68.8	100.3	100.6	69.6	69.4	100.3	100.3	19.0	19.2	99.0	97.4	138	138	100.0	97.2
K4		5.9				68.0				69.4				19.8				137		
R4		5.8				68.2				69.7				20.2				150		
T4	5.8	6.3	92.1	92.1	68.0	68.3	99.6	99.1	69.5	69.4	100.1	100.1	19.1	19.5	97.9	97.9	143	145	98.6	100.7
U4	6.1	6.1	100.0	96.8	68.5	68.2	100.4	99.8	69.7	69.5	100.3	100.4	19.9	20.3	98.0	102.0	139	140	99.3	97.9
W4		5.6				68.0				69.6				20.6				139		
FKBG DATA																				
CUR. AV.	6.3				68.8				69.5				19.3				142			
CUM. AV.	6.3				68.6				69.4				19.5				142			
IND. *D	100.0				100.3				100.1				99.0				100.0			

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

TABLE XX

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

RING COMPRESSION, LBS.

	APRIL, 1984				MAY, 1984				JUNE, 1984			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
G1	92.3	108.4	85.1	79.4	99.4	105.7	94.0	85.5	96.2	104.4	92.1	82.5
J1	121.0	112.8	107.3	104.1	124.0	115.2	107.6	106.6	120.0	117.6	102.0	102.9
K1	111.0	115.3	96.3	95.5	111.0	114.7	96.8	95.4	116.0	114.0	101.8	99.5
N1	112.0	113.5	98.7	96.4	114.0	112.9	101.0	98.0	113.0	113.5	99.6	96.9
Q1	109.0	113.1	96.4	93.8	111.0	111.8	99.3	95.4	113.0	110.7	102.1	96.9
R1												
S1	126.0	122.0	103.3	108.4	133.0	122.2	108.8	114.4	131.0	122.9	106.6	112.3
T1	124.0	121.2	102.3	106.7	117.0	121.5	96.3	100.6	111.0	121.1	91.6	95.2
A2		121.3				121.3				121.3		
E2												
G2												
J2												
K2	114.0	118.8	96.0	98.1	114.0	118.0	96.6	98.0	104.0	117.4	88.6	89.2
M2	108.0	111.2	97.1	92.9	115.0	110.8	103.8	98.9	119.0	111.7	106.5	102.0
R2	108.0	112.4	96.1	92.9	112.0	112.3	99.7	96.3	109.0	112.2	97.1	93.5
B3	112.0	113.6	98.6	96.4	112.0	113.8	98.4	96.3	133.0	114.7	116.0	114.1
F3		116.8				116.8				110.0		
G3	115.0	119.0	96.6	99.0	115.0	118.5	97.0	98.9	102.0	118.1	86.4	87.5
I3												
J3	121.5	113.5	107.0	104.6	125.0	114.3	109.4	107.5	116.0	115.8	100.2	99.5
L3												
M3	128.0	117.9	108.6	110.2		119.0			122.0	119.0	102.5	104.6
N3	116.9	121.3	96.4	100.6	119.6	120.9	98.9	102.8	121.0	121.0	100.0	103.8
S3	127.0	134.0	94.8	109.3	124.0	133.3	93.0	106.6	126.0	132.4	95.2	108.1
X3		131.0			142.0	131.0	108.4	122.1		132.6		
Y3		104.7				104.7				104.7		
A4		103.2				105.0				105.3		
B4	132.0	119.1	110.8	113.6	130.0	120.4	108.0	111.8	125.4	121.2	103.5	107.5
F4	108.2	113.4	95.4	93.1	104.6	112.6	92.9	89.9	108.3	111.6	97.0	92.9
G4												
K4												
R4		108.0				108.0				108.0		
T4	116.0	112.9	102.7	99.8	119.0	112.8	105.5	102.3	119.0	113.2	105.1	102.0
U4		114.4				114.2				113.8		
V4	125.0	126.3	99.0	107.6	122.0	129.4	94.3	104.9		128.3		

FKBG DATA			
CUR. AV.	116.3	118.2	116.0
CUM. AV.	116.2	116.3	116.6
IND. *D	100.1	101.6	99.5

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

TABLE XXI

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

APRIL, 1984

	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
G1	6.8	6.8	100.0	107.9	89.4	89.6	99.8	99.8	90.4	90.6	99.8	99.6	23.0	23.2	99.1	99.6	183	183	100.0	105.8
J1	9.2	8.4	109.5	146.0	89.5	89.2	100.3	99.9	90.3	90.0	100.3	99.4	27.4	27.2	100.7	107.9	174	176	98.9	100.5
K1	6.4	6.6	97.0	101.6	90.8	90.2	100.7	101.3	91.1	91.1	100.0	100.3	25.6	25.6	100.0	100.8	187	183	99.5	108.1
N1		6.8				89.7				90.7				27.9				174		
Q1	5.0	5.5	90.9	79.4	88.7	88.2	100.6	99.0	91.4	90.4	101.1	100.7	26.1	25.7	101.6	102.8	181	180	100.6	104.5
J2	6.5	6.5	100.0	103.2	90.3	89.6	100.8	100.8	90.6	90.4	100.2	99.8	24.9	25.1	99.2	93.0	181	179	101.1	104.5
K2	5.8	5.7	101.8	92.1	89.2	89.3	99.9	99.6	91.2	91.3	99.9	100.4	25.7	26.7	100.0	105.1	164	163	100.6	94.3
M2	6.0	5.8	103.4	95.2	90.3	90.3	100.0	100.3	90.6	90.6	100.0	99.8	27.1	26.4	102.6	105.7	161	167	96.4	93.1
R2	5.9	5.9	100.0	93.6	89.1	89.5	99.6	99.4	91.0	91.3	99.7	100.2	22.7	23.2	97.8	89.4	176	167	105.4	101.7
G3	5.6	5.8	96.6	88.9	88.8	88.4	100.4	99.1	90.9	90.4	100.6	100.1	25.8	26.8	96.3	101.6	173	173	100.0	100.3
J3	5.7	5.8	98.3	90.5	90.1	89.6	100.6	100.6	90.4	89.9	100.6	99.6	25.3	26.1	96.9	99.5	182	168	108.3	105.2
L3		7.8				90.0				90.4				26.8				171		
S3	6.4	6.6	97.0	101.6	92.9	90.2	103.0	103.7	94.3	91.4	103.2	103.8	26.9	25.9	103.9	105.9	153	155	98.7	83.4
B4	6.3	6.4	98.4	100.0	90.2	90.1	100.1	100.7	90.5	90.4	100.1	99.7	23.1	24.3	95.1	93.9	166	163	98.8	96.3
F4		5.3				89.8				90.2				24.2				173		
R4		5.8				89.5				91.4				27.3				180		
T4	6.2	7.0	88.6	98.4	89.1	89.6	99.4	99.4	90.6	90.3	100.3	99.8	24.7	25.4	97.2	97.2	177	175	101.1	102.3
U4		6.2				88.7				90.3				26.6				157		
FKBG DATA																				
CUR. AV.	6.3				89.9				91.0				25.3				174			
CUM. AV.	6.3				89.6				90.8				25.4				173			
IND. *D	100.0				100.3				100.2				99.6				100.6			

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

TABLE XXII

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

MAY, 1984

	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
G1	7.0	6.8	102.9	111.1	89.6	89.6	100.0	100.0	90.4	90.6	99.8	99.6	23.1	23.2	99.6	90.9	201	182	110.4	115.2
J1		8.5				89.2				90.0				27.3				176		
K1	6.6	6.6	100.0	104.8	90.3	90.2	100.1	100.8	90.6	91.0	99.6	99.8	25.3	25.5	99.2	99.6	191	190	100.5	110.4
M1		6.8				89.7				90.7				27.9				176		
Q1	5.5	5.5	100.0	87.3	88.6	88.3	100.3	98.9	90.8	90.6	100.2	100.0	26.2	25.8	101.6	103.1	177	180	98.3	102.3
J2	6.5	6.5	100.0	103.2	90.2	89.7	100.6	100.7	90.5	90.6	99.9	99.7	25.1	25.1	100.0	98.8	182	179	101.7	105.2
K2	5.7	5.7	100.0	90.5	89.5	89.3	100.2	99.9	91.6	91.3	100.3	100.9	27.7	26.6	104.1	109.0	167	163	102.4	96.5
M2	5.9	5.8	101.7	93.6	90.2	90.3	99.9	100.7	90.5	90.6	99.9	99.7	26.9	26.4	101.9	105.9	162	166	97.6	93.5
R2	5.9	5.9	100.0	93.6	88.7	89.5	99.1	99.0	90.6	91.4	99.1	99.8	22.4	23.2	96.6	88.2	170	168	101.2	98.3
G3	6.1	5.7	107.0	96.8	89.2	88.6	100.7	99.6	90.8	90.6	100.2	100.0	25.8	26.4	97.7	101.6	188	173	108.7	108.7
J3	6.0	5.8	103.4	95.2	90.0	89.6	100.4	100.4	90.3	89.9	100.4	99.4	26.0	26.0	100.0	102.4	165	171	95.5	95.4
L3		7.9				90.0				90.4				26.8				171		
S3	6.5	6.6	98.5	103.2	90.5	90.5	100.0	101.0	91.8	91.7	100.1	101.1	25.3	26.1	100.8	103.5	154	155	99.4	89.0
B4	6.4	6.4	100.0	101.6	90.2	90.1	100.1	100.7	90.5	90.4	100.1	99.7	25.0	24.1	103.7	93.4	166	169	98.2	96.0
F4		5.3				89.8				90.2				24.2				173		
R4		5.9				89.6				91.4				27.3				180		
T4	6.2	6.9	89.8	98.4	88.8	89.4	99.3	99.1	90.3	90.3	100.0	99.4	25.9	25.2	102.8	102.0	167	175	95.4	96.5
U4		6.1				88.7				90.3				26.5				167		

FKBG DATA												
CUR. AV.	6.2			89.6			90.7			25.5			176		
CUM. AV.	6.3			89.6			90.8			25.4			173		
IND. *D	98.4			100.0			99.9			100.4			103.5		

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

TABLE XXIII

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

JUNE, 1984

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., LB / M SQ FT *A				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
G1	6.8	6.8	100.0	107.9	89.6	89.5	100.1	100.0	90.6	90.5	100.1	99.8	22.9	23.2	98.7	90.2	192	184	104.3	110.3
J1	9.4	8.5	110.6	149.2	90.1	89.2	101.0	100.6	90.9	90.0	101.0	100.1	25.4	27.3	96.7	103.9	180	177	101.7	103.4
K1	6.9	6.6	104.5	109.5	90.7	90.2	100.6	101.2	91.0	91.0	100.0	100.2	25.4	25.4	100.0	100.0	192	190	101.0	110.3
N1		6.8				89.7				90.7				27.9				174		
Q1	5.0	5.5	90.9	79.4	87.3	88.4	98.8	97.4	89.9	90.6	99.2	99.0	25.0	25.9	100.4	102.4	162	179	90.5	93.1
J2	6.3	6.5	96.9	100.0	90.9	89.8	101.2	101.4	91.2	90.6	100.7	100.4	25.4	25.1	101.2	100.0	180	180	100.0	103.4
K2	6.1	5.7	107.0	96.8	89.0	89.3	99.7	99.3	90.6	91.4	99.1	99.8	26.3	26.8	98.1	103.5	163	164	99.4	93.7
M2		5.8				90.3				90.6				26.4				165		
R2	6.3	5.9	106.8	100.0	90.3	89.4	101.0	100.8	91.7	91.2	100.5	101.0	21.8	23.0	94.8	85.8	173	168	103.0	99.4
G3	6.5	5.8	112.1	103.2	89.6	88.7	101.0	100.0	90.9	90.6	100.3	100.1	26.3	26.3	100.0	103.5	171	177	96.6	98.3
J3	5.8	5.8	100.0	92.1	89.3	89.6	99.7	99.7	89.6	90.0	99.6	98.7	25.3	26.0	101.2	103.3	165	170	97.0	94.8
L3		7.8				90.0				90.4				26.8				171		
S3	6.4	6.6	97.0	101.6	90.3	90.6	99.7	100.8	91.7	91.8	99.9	101.0	26.4	26.1	101.1	103.9	155	155	100.0	89.1
B4	6.6	6.4	103.1	104.8	90.0	90.1	99.9	100.4	90.3	90.4	99.9	99.4	23.1	24.2	95.4	90.9	171	169	101.2	98.3
F4		5.3				89.8				90.2				24.2				170		
R4		5.9				89.6				91.4				27.3				182		
T4	5.8	6.8	85.3	92.1	88.6	89.3	99.2	98.9	90.5	90.3	100.2	99.7	25.8	25.2	102.4	101.6	170	174	97.7	97.7
U4		6.0				88.8				90.5				26.4				167		

FKBG DATA

CUR. AV.	6.5	89.6	90.7	25.2	173
CUM. AV.	6.3	89.6	90.8	25.4	174
IND. *D	103.2	100.0	99.9	99.2	99.4

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

TABLE XXIV

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

RING COMPRESSION, LBS.

	APRIL, 1984				MAY, 1984				JUNE, 1984			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
G1	131.4	149.4	88.0	87.1	143.5	146.3	98.1	94.9	134.9	144.6	93.3	89.0
J1	146.0	130.6	111.8	96.8		133.2			136.0	135.2	100.6	89.8
K1	149.0	147.8	100.8	98.8	150.0	147.8	101.5	99.2	150.0	147.9	101.4	99.0
N1		168.7				168.7				168.7		
Q1	162.0	151.6	106.9	107.4	154.0	151.4	101.7	101.8	140.0	149.9	93.4	92.4
J2												
K2	150.0	164.5	91.2	99.5	152.0	161.6	94.0	100.5	138.0	160.0	86.2	91.1
M2	157.0	141.8	110.7	104.1	140.0	143.4	97.6	92.6		143.1		
R2	154.0	162.5	94.8	102.1	165.0	163.4	101.0	109.1	162.0	165.4	97.9	106.9
G3	150.0	144.0	104.2	99.5	154.0	146.0	105.5	101.8	156.0	148.0	105.4	103.0
J3	157.5	149.5	105.4	104.4	160.0	153.2	104.4	105.8	179.0	154.3	116.0	118.2
L3												
S3	156.0	167.2	93.3	103.4	145.0	166.0	87.3	95.9	162.0	163.9	98.8	106.9
B4	156.2	155.1	100.7	103.6	168.3	156.6	107.5	111.3	158.9	158.1	100.5	104.9
F4		162.4				162.4				162.4		
R4		156.8				156.8				156.8		
T4	153.0	138.6	110.4	101.4	143.0	140.5	101.8	94.6	156.0	140.5	111.0	103.0
U4		140.7				139.8				139.8		

FKBG DATA

CUR. AV.	151.8	152.2	152.1
CUM. AV.	150.8	151.2	151.5
IND. *D	100.7	100.7	100.4

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 XXV. 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 <u>any one or more</u> of the 12 months prior to the specified month (so that a cumulative average is available), to be included in a given table.

TABLE XXV

DATA ON CONDITIONING AND TESTING ENVIRONMENTS

APRIL, MAY, JUNE, 1984

	Conditioning Environment				Testing Environment
	Are Quality Samples	Procedure			Are Quality Samples Tested
Code	Conditioned Before Testing?	Time	Temp., °F	RH, %	Under Controlled Conditions of Temperature & Humidity?
A1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
E1	No data submitted for this quarter				
G1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
J1	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
K1	No	--	--	--	Yes: 73°F; 50% RH
N1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
O1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 1% RH
Q1	No	--	--	--	Yes: 73°F; 50% RH
R1	No	--	--	--	Yes: 73 ± 5°F; 50 ± 5% RH
S1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
T1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
U1	No	--	--	--	Yes: 73°F; 50% RH
V1	No	--	--	--	No
A2	No	--	--	--	No
B2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
E2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
F2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
G2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
J2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
K2	Yes	10 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
M2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
Q2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
R2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
V2	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
W2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
B3	No	--	--	--	No
C3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
F3	Yes	15 min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
G3	Yes	10 min	70	50	Yes: 70 ± 4°F; 50 ± 5% RH
H3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
I3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
J3	No	--	--	--	No
L3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
M3	No	--	--	--	No
N3	No	--	--	--	No
O3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
R3	Yes	10 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
S3	No	--	--	--	No
V3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 1% RH
W3	Yes	10 min	70	50	Yes: 70 ± 4°F; 50 ± 5% RH
X3	No	--	--	--	Yes: 73°F; 50% RH
Y3	Yes	15 min	--	--	Yes: 73 ± 3.5°F; 50 ± 3% RH
Z3	No	--	--	--	No
A4	Yes	20 min	--	--	Yes: 72 ± 3.5°F; 50 ± 2% RH
B4	Yes	7 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
C4	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
F4	No	--	--	--	No
G4	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
H4	No	--	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
K4	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
R4	Yes	10 min	70	50	Yes: 70 ± 4°F; 50 ± 5% RH
T4	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
U4	Yes	--	73	50	Yes: 73 ± 2°F; 50 ± 2% RH
V4	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH

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APPENDIX

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

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

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

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

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

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

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

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

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