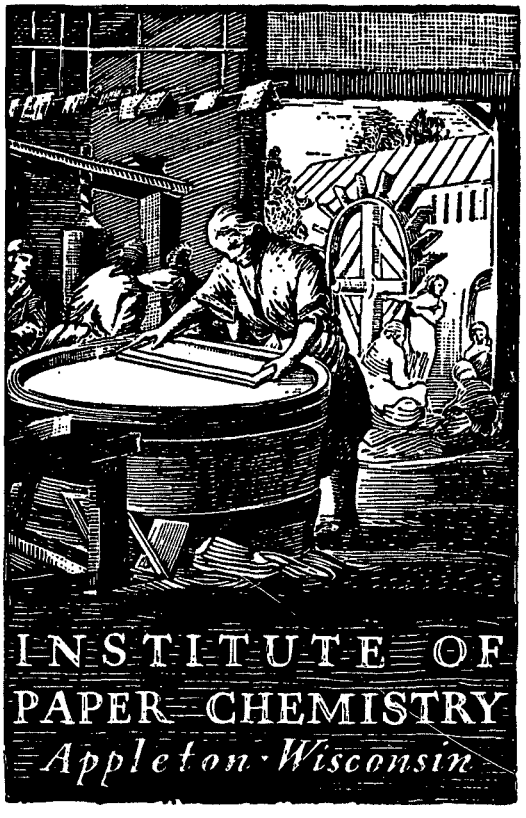


BASE-LINE

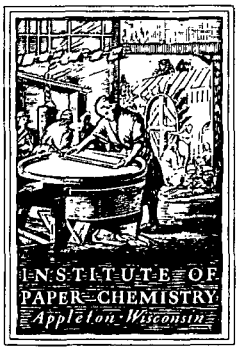
4th Quarter, 1983

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1983)

Project 2694-1

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

March 1, 1984



THE INSTITUTE OF PAPER CHEMISTRY
Post Office Box 1039
Appleton, Wisconsin 54912
Phone: 414/734-9251
Telex: 469289

March 1, 1984

Project 2694-1

Dear Sir:

We are enclosing a copy of the following report to the Fourdrinier Kraft Board Group of the American Paper Institute:

Report Ninety, Project 2694-1 a progress report entitled, "Continuous Baseline Study (Modified); Mill Linerboard Data for October November, December, 1983" dated March 1, 1984

The code identities for paper machines in your company from which data were submitted for evaluation are given on the inside of the front cover of this report.

Sincerely,

Roger H Van Eperen

Roger H. Van Eperen
Manager, Materials Testing Laboratory
Paper Materials Division

RHV/kam

Enclosure

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1983)

Project 2694-1

GEORGIA-PACIFIC CORPORATION
Your machines are identified in
the report by the following code
Toledo Machine #1 B4

Report Ninety

A Progress Report

to

FOURDRINIER KRAFT BOARD GROUP

OF THE

AMERICAN PAPER INSTITUTE

March 1, 1984

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1983)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA (SEP-DEC, 1983)

Linerboard Grace wt.		Moisture Content			
		SEP	OCT	NOV	DEC
26 Lb	Max.	6.4	5.8	6.3	6.1
	Min.	1.7	3.7	3.5	3.5
	Ave.	4.7(18)	5.0(13)	5.1(15)	5.0(14)
33 Lb	Max.	6.4	6.0	6.3	7.2
	Min.	1.8	2.8	2.8	2.6
	Ave.	5.1(24)	5.0(24)	5.1(24)	5.0(21)
38 Lb	Max.	6.0	6.3	6.4	6.2
	Min.	4.9	4.1	4.7	4.9
	Ave.	5.6(13)	5.4(16)	5.6(16)	5.5(17)
42 Lb	Max.	7.1	6.5	6.6	6.5
	Min.	4.4	4.6	4.5	4.4
	Ave.	5.7(37)	5.7(38)	5.8(41)	5.7(35)
69 Lb	Max.	7.1	6.9	7.6	7.2
	Min.	5.0	5.2	5.1	4.8
	Ave.	6.3(23)	6.3(26)	6.4(29)	6.2(29)
90 Lb	Max.	8.5	7.0	8.3	7.0
	Min.	5.5	5.6	5.6	5.5
	Ave.	6.5(10)	6.3(13)	6.5(14)	6.3(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.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA (SEP-DEC, 1983)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M sq ft			
		SEP	OCT	NOV	DEC
26 Lb	Max.	28.6	27.7	28.3	27.7
	Min.	26.1	25.7	25.7	26.0
	Ave.	26.6(18)	26.4(13)	26.4(15)	26.6(14)
33 Lb	Max.	34.2	33.9	34.0	34.0
	Min.	32.6	32.5	32.1	32.2
	Ave.	33.4(24)	33.3(24)	33.3(24)	33.3(21)
38 Lb	Max.	39.5	39.1	39.2	39.9
	Min.	38.2	38.1	37.9	37.2
	Ave.	38.7(13)	38.5(16)	38.4(16)	38.5(17)
42 Lb	Max.	43.3	43.4	43.3	43.4
	Min.	41.4	41.6	41.2	41.7
	Ave.	42.4(37)	42.4(38)	42.4(41)	42.4(35)
69 Lb	Max.	70.1	70.1	70.1	70.4
	Min.	68.2	67.9	68.0	67.9
	Ave.	69.4(23)	69.4(26)	69.3(29)	69.3(29)
90 Lb	Max.	91.7	91.3	91.7	91.8
	Min.	90.1	89.8	89.0	88.8
	Ave.	90.8(10)	90.7(13)	90.6(14)	90.6(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.

PART III: SUMMARY OF CALIPER DATA (SEP-DEC, 1983)

Linerboard Grade Wt.		Caliper, pt. SEP	OCT	NOV	DEC
26 Lb	Max.	9.3	8.6	8.4	8.7
	Min.	7.2	6.6	7.0	6.8
	Ave.	7.9(18)	7.9(13)	7.8(15)	7.9(14)
33 Lb	Max.	12.4	11.9	12.1	11.8
	Min.	8.2	8.4	8.6	8.3
	Ave.	9.8(23)	9.9(23)	10.0(23)	10.0(21)
38 Lb	Max.	11.9	11.6	12.1	11.9
	Min.	10.1	9.0	9.4	9.4
	Ave.	10.8(13)	10.7(16)	10.8(15)	11.0(16)
42 Lb	Max.	14.2	14.0	14.2	13.9
	Min.	9.7	10.1	9.7	9.9
	Ave.	11.9(36)	11.9(37)	11.9(40)	12.0(34)
69 Lb	Max.	21.4	21.4	21.1	21.4
	Min.	16.3	16.6	16.9	16.9
	Ave.	19.5(23)	19.4(25)	19.4(28)	19.7(28)
90 Lb	Max.	27.4	27.9	27.4	28.0
	Min.	22.4	23.4	23.4	23.3
	Ave.	25.3(10)	25.6(13)	25.6(14)	25.1(10)

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 (SEP-DEC, 1983)

Linerboard Grade Wt.		Bursting Strength, psig			
		SEP	OCT	NOV	DEC
26 Lb	Max.	83	83	80	82
	Min.	65	65	65	65
	Ave.	72(18)	71(13)	71(15)	70(14)
33 Lb	Max.	100	105	103	100
	Min.	78	78	79	79
	Ave.	86(24)	85(24)	86(24)	87(21)
38 Lb	Max.	104	106	108	108
	Min.	88	91	90	90
	Ave.	97(13)	99(16)	99(16)	98(17)
42 Lb	Max.	123	131	121	116
	Min.	100	101	98	99
	Ave.	106(37)	106(38)	105(41)	105(35)
69 Lb	Max.	159	160	158	163
	Min.	133	130	133	129
	Ave.	142(23)	141(26)	141(29)	142(29)
90 Lb	Max.	186	197	184	192
	Min.	159	150	154	155
	Ave.	175(10)	172(13)	172(14)	172(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.

PART V: SUMMARY OF CD RING CRUSH DATA (SEP-DEC, 1983)

Linerboard Grade	Wt.	CD Ring Crush, lb SEP	OCT	NOV	DEC
26 Lb	Max.	46.0	44.0	47.0	51.0
	Min.	31.0	27.0	27.0	30.0
	Ave.	37.2(10)	35.3(8)	34.6(9)	36.2(7)
33 Lb	Max.	60.0	62.0	70.0	64.0
	Min.	41.0	42.0	38.0	40.0
	Ave.	51.4(12)	53.0(16)	54.2(17)	54.4(14)
38 Lb	Max.	75.2	70.2	75.0	78.7
	Min.	54.0	58.0	53.0	48.0
	Ave.	62.7(10)	64.1(14)	63.7(13)	63.3(15)
42 Lb	Max.	83.0	90.2	82.0	74.9
	Min.	57.0	59.0	61.0	61.0
	Ave.	68.5(23)	70.2(27)	70.5(30)	70.1(24)
69 Lb	Max.	133.0	160.0	134.7	123.5
	Min.	102.0	95.9	101.0	100.0
	Ave.	116.5(16)	115.6(20)	118.0(22)	117.0(23)
90 Lb	Max.	185.0	184.0	176.0	170.0
	Min.	131.0	131.0	137.0	138.0
	Ave.	150.4(7)	151.4(11)	152.6(12)	155.8(10)

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

OCTOBER, 1983

	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
I1	4.9	5.0	98.0	100.0	25.5	25.6	99.6	98.1	26.3	26.4	99.6	99.2	7.6	7.4	102.7	96.2	73	71	102.8	101.4
G1		4.5				25.5				26.4				8.1				70		
S1	4.0	3.9	102.6	81.6	25.9	25.9	100.0	99.6	27.0	27.0	100.0	101.9	7.7	7.8	98.7	97.5	69	70	98.6	95.8
S1	3.7	3.2	115.6	75.5	26.5	26.4	100.4	101.9	26.6	26.5	100.4	100.4	8.2	8.2	100.0	103.8	76	73	97.4	105.6
U1	5.4	5.8	93.1	110.2	26.0	26.2	99.2	100.0	26.1	26.2	99.6	98.5	7.8	7.8	100.0	98.7	65	69	94.2	90.3
B2	3.7	3.5	105.7	75.5	26.5	26.7	99.2	101.9	27.7	28.0	98.9	104.5	6.6	7.3	90.4	83.5	76	73	104.1	105.6
E2		4.4				25.5				26.5				8.2				77		
F2	5.0	5.3	94.3	102.0	26.6	26.4	100.8	102.3	26.7	26.6	100.4	100.8	8.1	7.8	103.8	102.5	68	68	100.0	94.4
J2		6.8				26.2				26.3				7.5				73		
L2	5.8	5.7	101.8	118.4	26.1	26.1	100.0	100.4	26.3	26.3	100.0	99.2	8.2	8.5	96.5	103.8	66	63	104.8	91.7
M2		4.9				26.1				26.2				8.1				78		
P2	5.5	5.4	101.8	112.2	25.1	26.1	96.2	96.5	25.7	26.8	95.9	97.0	7.5	8.2	91.5	94.9	69	69	100.0	95.8
V2	5.2	5.1	102.0	106.1	25.9	25.8	100.4	99.6	26.6	26.6	100.0	100.4	8.1	7.7	105.2	102.5	79	76	103.9	109.7
X2		4.9				26.0				26.9				7.9				70		
C3	4.9	5.2	94.2	100.0	25.4	25.7	98.8	97.7	26.2	26.4	99.2	98.9	8.6	8.2	104.9	108.9	83	83	100.0	115.3
I3	5.0	5.0	100.0	102.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	8.0	7.8	102.6	101.3	69	69	100.0	95.8
P3		1.7				26.8				28.6				9.3				58		
S3	5.8	5.8	100.0	118.4	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	8.5	8.6	98.8	107.6	68	74	91.9	94.4
Z3		4.7				25.5				26.4				8.1				72		
A4		4.8				25.7				26.5				7.7				74		
M4		5.1				26.0				26.1				8.1				71		
R4	5.7	5.8	98.3	116.3	26.0	26.0	100.0	100.0	26.1	26.0	100.4	98.5	7.6	7.9	96.2	96.2	66	64	103.1	91.7
S4		5.8				26.0				26.6				7.4				65		
FRBG DATA																				
CUR. AV.	5.0				26.0				26.4				7.9				71			
CUM. AV.	4.9				26.0				26.5				7.9				72			
INC. *D	102.0				100.0				99.6				100.0				98.6			

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

NOVEMBER, 1983

	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
I1		5.0				25.6				26.4				7.4				72		
G1	4.6	4.4	104.5	93.9	25.4	25.5	99.6	97.7	26.3	26.4	99.6	99.2	7.4	8.2	90.2	93.7	73	68	107.4	101.4
R1	4.0	3.9	102.6	81.6	25.9	26.0	99.6	99.6	27.0	27.0	100.0	101.9	7.7	7.8	98.7	97.5	70	70	100.0	97.2
S1	4.0	3.2	125.0	81.6	26.3	26.4	99.6	101.2	26.4	26.5	99.6	99.6	8.3	8.3	100.0	105.1	76	77	93.7	105.6
U1	5.4	5.7	94.7	110.2	26.0	26.1	99.6	100.0	26.1	26.2	99.6	98.5	7.5	7.8	96.2	94.9	68	69	98.6	94.4
B2	3.5	3.6	97.2	71.4	27.0	26.8	100.7	103.8	28.3	28.0	101.1	106.9	7.0	7.2	97.2	88.6	71	73	97.3	98.6
E2		4.4				25.5				26.5				8.2				77		
F2	4.8	5.3	90.6	98.0	26.5	26.5	100.0	101.9	26.6	26.6	100.0	100.4	8.1	7.8	103.8	102.5	68	68	100.0	94.4
J2		6.8				26.2				26.3				7.5				73		
L2	5.9	5.7	103.5	120.4	26.1	26.1	100.0	100.4	26.3	26.3	100.0	99.2	8.3	8.4	98.8	105.1	55	63	103.2	90.3
M2		4.9				26.1				26.2				8.1				73		
P2	5.8	5.4	107.4	118.4	25.1	26.0	96.5	96.5	25.7	26.7	96.2	97.0	7.4	8.1	91.4	93.7	66	69	93.6	94.4
V2	5.2	5.1	102.0	106.1	25.9	25.8	100.4	99.6	26.6	26.6	100.0	100.4	8.2	7.8	105.1	103.8	80	76	105.3	111.1
X2		4.9				26.0				26.8				7.9				70		
C3	4.9	5.2	94.2	100.0	25.6	25.7	99.6	98.5	26.4	26.4	100.0	99.6	8.4	8.3	101.2	106.3	79	83	95.2	109.7
I3	5.0	5.0	100.0	102.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	99.5	7.7	7.9	97.5	97.5	71	69	102.9	98.6
R3		1.7				26.8				28.6				9.3				68		
S3	5.7	5.8	98.3	116.3	25.6	26.0	98.5	98.5	25.7	26.1	98.5	97.0	8.3	8.5	97.6	105.1	71	72	98.6	98.6
Z3		4.7				25.5				26.4				8.1				72		
A4	5.2	4.8	108.3	106.1	25.7	25.7	100.0	98.8	26.4	26.5	99.6	99.6	8.0	7.7	103.9	101.3	72	74	97.3	100.0
M4		5.1				26.0				26.1				8.2				72		
R4	6.3	5.8	108.6	128.6	25.8	26.0	99.2	99.2	25.9	26.1	99.2	97.7	7.8	7.9	98.7	98.7	66	64	103.1	91.7
S4	5.8	5.8	100.0	118.4	25.9	26.0	99.6	99.6	26.5	26.6	99.6	100.0	7.5	7.5	100.0	94.9	68	65	104.6	94.4
FRBE DATA																				
CUR. AV.	5.1				25.9				26.4				7.8				71			
CUM. AV.	4.9				26.0				26.5				7.9				72			
IND. *C	104.1				99.6				99.6				98.7				98.6			

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

DECEMBER, 1983

	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
I1		5.0				25.6				26.4				7.4				72		
G1		4.5				25.5				26.4				7.9				70		
R1	3.7	3.9	94.9	74.0	26.0	26.0	100.0	100.0	27.1	27.0	100.4	102.3	7.8	7.8	100.0	98.7	70	70	100.0	97.2
S1	3.7	3.3	112.1	74.0	26.3	26.4	99.6	101.2	26.4	26.5	99.6	99.6	8.2	8.3	98.8	103.8	82	77	105.5	113.9
U1	5.6	5.7	98.2	112.0	26.3	26.1	100.8	101.2	26.4	26.2	100.8	99.6	7.9	7.7	102.6	100.0	66	68	97.0	91.7
B2	3.5	3.6	97.2	70.0	26.5	26.9	98.5	101.9	27.7	28.1	98.6	104.5	8.8	7.2	94.4	86.1	74	74	100.0	102.8
E2		4.6				25.6				26.5				8.2				77		
F2	4.7	5.3	88.7	94.0	26.6	26.5	100.4	102.3	26.7	26.6	100.4	100.8	8.2	7.8	105.1	103.8	67	68	98.5	93.0
J2		6.7				26.2				26.3				7.4				73		
L2	5.7	5.7	100.0	114.0	26.1	26.1	100.0	100.4	26.3	26.3	100.0	99.2	8.7	8.4	103.6	110.1	56	64	103.1	91.7
M2		5.0				26.1				26.2				6.1				73		
P2	5.5	5.5	100.0	110.0	25.5	25.9	98.4	98.1	26.1	26.6	98.1	98.5	7.9	8.1	97.5	100.0	68	69	98.6	94.4
V2	5.1	5.1	100.0	102.0	26.0	25.8	100.8	100.0	26.8	26.6	100.8	101.1	8.0	7.8	102.6	101.3	76	77	98.7	105.6
X2	5.4	5.0	108.0	108.0	26.2	26.0	100.8	100.8	26.9	26.8	100.4	101.5	7.8	7.8	100.0	98.7	68	71	95.8	94.4
C3	5.1	5.2	98.1	102.0	25.9	25.7	100.8	99.6	26.7	26.4	101.1	100.8	8.2	8.2	100.0	103.8	77	83	92.8	106.9
I3	5.0	5.0	100.0	100.0	26.1	26.0	100.4	100.4	26.2	26.1	100.4	98.9	7.9	7.8	101.3	100.0	72	70	102.8	100.0
R3		1.7				26.8				28.6				9.3				68		
S3		5.3				25.9				26.0				8.5				72		
Z3		4.8				25.5				26.4				8.1				73		
A4		4.8				25.7				26.5				7.7				74		
M4		5.1				26.0				26.1				6.2				71		
R4	6.1	5.8	105.2	122.0	25.9	26.0	99.6	99.6	26.0	26.0	100.0	93.1	7.5	7.8	96.2	94.9	66	64	103.1	91.7
S4	5.8	5.8	100.0	116.0	26.0	26.0	100.0	100.0	26.6	26.6	100.0	100.4	7.7	7.5	102.7	97.5	65	66	98.5	90.3
U4	5.3			106.0	25.7			98.8	26.4			99.6	7.8			98.7	69			95.3
FKBG DATA																				
CUR. AV.	5.0				26.1				26.6				7.9				70			
CUM. AV.	5.0				26.0				26.5				7.9				72			
INC. *D	100.0				100.4				100.4				100.0				97.2			

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.

	OCTOBER, 1983				NOVEMBER, 1983				DECEMBER, 1983			
	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
I1	37.5	38.2	98.2	102.2		38.1				38.1		
G1												
R1	37.6	36.2	103.9	102.4	35.7	36.4	98.1	97.3	40.1	36.4	110.2	109.6
S1	34.0	36.9	92.1	92.6	33.0	36.7	89.9	89.9	36.0	36.4	98.9	98.4
U1												
B2	44.0	40.8	107.8	119.9	47.0	41.2	114.1	128.1	51.0	42.5	120.0	139.3
E2		45.6				45.6				46.5		
F2												
J2		29.8				29.8				29.8		
L2	30.0	33.1	90.6	81.7	31.9	32.9	97.2	86.9	30.1	32.9	91.5	82.2
M2		42.9				43.8				43.9		
P2	27.0	32.5	83.1	73.6	27.0	32.0	84.4	73.6	30.0	31.5	95.2	82.0
V2												
X2												
C3												
I3	36.0	33.6	107.1	98.1	31.0	33.8	91.7	84.5	33.0	33.5	98.5	90.2
R3												
S3	36.0	38.0	94.7	98.1	36.0	37.3	96.5	98.1		37.0		
Z3		34.3				34.3				33.5		
A4		34.1			35.0	34.1	102.6	95.4		34.2		
M4		35.0				35.5				36.0		
R4												
S4					35.0			95.4	33.0	35.0	94.3	90.2
U4												

FKBG DATA												
CUR. AV.	35.3				34.6				36.2			
CUM. AV.	36.7				36.7				36.6			
IND. *C	96.2				94.3				98.9			

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

OCTOBER, 1983

	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	6.0	6.1	98.4	120.0	33.1	32.9	100.6	101.2	33.2	33.0	100.6	99.4	8.4	9.0	93.3	85.7	86	86	100.0	101.2
B1	5.8	5.5	105.4	116.0	32.4	32.3	100.3	99.1	33.1	33.1	100.0	99.1	8.9	9.2	96.7	90.3	93	89	104.5	109.4
I1	5.0	5.4	92.6	100.0	32.1	32.5	98.8	98.2	33.1	33.3	99.4	99.1	9.2	9.3	98.9	93.9	83	86	96.5	97.6
L1	5.8	6.0	96.7	116.0	33.2	33.1	100.3	101.5	33.3	33.2	100.3	99.7					82	80	102.5	96.5
Q1		5.2				32.4				33.3				9.3				83		
R1	4.5	4.4	102.3	90.0	32.7	32.7	100.0	100.0	33.9	33.9	100.0	101.5	9.8	9.8	100.0	100.0	86	86	100.0	101.2
S1		4.0				33.3				33.4				9.9				94		
U1	5.9	6.0	98.3	118.0	33.0	33.0	100.0	100.9	33.2	33.2	100.0	99.4	9.5	9.8	96.9	96.9	81	82	98.8	95.3
B2	4.0	4.2	95.2	80.0	32.1	32.5	98.8	98.2	33.4	33.7	99.1	100.0	8.4	9.0	93.3	85.7	83	84	98.8	97.6
D2		4.9				32.5				33.5				9.5				95		
E2	4.2	5.3	79.2	84.0	32.1	32.6	98.5	98.2	33.4	33.5	99.7	100.0	10.7	10.5	101.9	109.2	82	91	90.1	96.5
F2	5.4	5.7	94.7	108.0	33.0	33.4	98.8	100.9	33.1	33.5	98.8	99.1	10.0	9.8	102.0	102.0	82	81	101.2	96.5
G2		4.5				32.5				33.6				9.3				98		
J2		6.4				33.0				33.1				9.7				91		
L2	5.8	5.8	100.0	116.0	33.2	33.0	100.6	101.5	33.5	33.4	100.3	100.3	10.6	10.2	103.9	108.2	73	77	101.3	91.8
M2	5.0	5.1	98.0	100.0	33.1	33.1	100.0	101.2	33.2	33.2	100.0	99.4	10.2	10.2	100.0	104.1	93	92	101.1	109.4
P2	5.8	5.6	103.6	116.0	31.9	32.4	98.4	97.6	32.6	33.2	98.2	97.6	9.7	9.9	98.0	99.0	81	80	101.2	95.3
V2	5.5	5.2	105.8	110.0	32.9	32.6	100.9	100.6	33.7	33.5	100.6	100.9	10.2	10.1	101.0	104.1	82	82	100.0	96.5
X2	5.4	5.3	101.9	108.0	33.0	33.0	100.0	100.9	33.9	33.8	100.3	101.5	9.7	9.9	98.0	99.0	80	81	98.8	94.1
C3	4.8	4.8	100.0	96.0	32.5	32.4	100.3	99.4	33.6	33.5	100.3	100.6	8.9	9.6	92.7	90.8	105	98	107.1	123.5
I3	5.0	5.0	100.0	100.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	9.8	9.7	101.0	100.0	85	85	100.0	100.0
R3	4.1	2.8	146.4	82.0	32.4	32.4	100.0	99.1	33.7	34.2	98.5	100.9	11.1	10.6	104.7	113.3	87	84	103.6	102.4
S3	5.4	5.8	93.1	108.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	10.3	10.4	99.0	105.1	83	90	92.2	97.6
W3		5.5				33.2				34.0				9.4				103		
X3	3.4	2.6	130.8	68.0	32.3	32.3	100.0	98.8	33.9	34.1	99.4	101.5	11.9	11.2	106.2	121.4	87	84	103.6	102.4
Z3	5.5	5.4	101.8	110.0	32.2	32.1	100.3	98.5	33.0	32.9	100.3	98.8	10.1	10.2	99.0	103.1	95	89	106.7	111.8
A4		4.9				32.3				33.3				9.6				89		
B4	4.5	4.4	102.3	90.0	32.2	32.4	99.4	98.5	32.5	32.7	99.4	97.3	10.0	9.9	101.0	102.0	79	81	97.5	92.9
L4	2.8	2.2	127.3	56.0	32.0	32.2	99.4	97.8	33.7	34.2	98.5	100.9	9.7	9.6	101.0	99.0	88	90	97.3	103.5
R4	6.0	6.0	100.0	120.0	33.0	32.9	100.3	100.9	33.1	33.0	100.3	99.1	10.1	10.3	98.0	103.1	96	84	102.4	101.2
S4	5.4	5.7	94.7	108.0	32.8	32.7	100.3	100.3	33.7	33.4	100.9	100.9	9.5	9.5	101.0	98.0	80	80	100.0	94.1
FNBG DATA																				
CUR. AV.	5.0				32.6				33.3				9.9				85			
CUM. AV.	5.0				32.7				33.4				9.8				85			
IND. *C	100.0				99.7				99.7				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

NOVEMBER, 1983

	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		6.1				32.9				33.0				8.9				86		
B1	5.8	5.6	103.6	116.0	32.5	32.3	100.6	99.4	33.2	33.1	100.3	99.4	9.1	9.2	98.9	92.8	88	90	97.8	103.5
I1		5.4				32.4				33.3				9.3				86		
L1	5.8	6.0	96.7	116.0	33.1	33.1	100.0	101.2	33.2	33.2	100.0	99.4					82	80	102.5	96.5
C1	5.1	5.2	98.1	102.0	32.4	32.4	100.0	99.1	33.3	33.3	100.0	99.7	9.6	9.8	98.0	98.0	85	83	102.4	100.0
R1	4.4	4.4	100.0	88.0	32.8	32.7	100.3	100.3	34.0	34.0	100.0	101.8	9.9	9.8	101.0	101.0	86	96	100.0	101.2
S1		4.0				33.3				33.4				9.9				94		
U1	5.9	6.0	98.3	118.0	33.0	33.0	100.0	100.9	33.2	33.2	100.0	99.4	9.7	9.8	99.0	99.0	82	82	100.0	96.5
B2	4.2	4.2	100.0	84.0	32.2	32.4	99.4	98.5	33.5	33.7	99.4	100.3	8.6	8.9	96.6	87.3	85	84	101.2	100.0
D2		5.0				32.5				33.5				9.5				95		
E2	5.0	5.2	96.2	100.0	32.2	32.6	98.8	98.5	33.2	33.5	99.1	99.4	10.1	10.5	96.2	103.1	85	90	94.4	100.0
F2	5.5	5.7	96.5	110.0	33.7	33.4	100.9	103.0	33.8	33.5	100.9	101.2	10.1	9.8	103.1	103.1	83	81	102.5	97.6
G2		4.5				32.5				33.6				9.3				88		
J2		6.4				33.0				33.1				9.7				91		
L2	6.0	5.8	103.4	120.0	33.1	33.1	100.0	101.2	33.4	33.4	100.0	100.0	10.3	10.3	100.0	105.1	79	77	102.6	92.9
M2	5.0	5.1	98.0	100.0	33.1	33.1	100.0	101.2	33.2	33.2	100.0	99.4	10.2	10.2	100.0	104.1	101	92	109.8	113.8
P2	5.8	5.6	103.6	116.0	31.4	32.4	96.9	96.0	32.1	33.1	97.0	96.1	9.7	9.9	98.0	99.0	82	80	102.5	96.5
V2	5.3	5.2	101.9	106.0	32.8	32.6	100.6	100.3	33.7	33.5	100.6	100.9	10.2	10.1	101.0	104.1	84	82	102.4	98.8
X2	5.4	5.4	100.0	108.0	33.1	33.0	100.3	101.2	34.0	33.8	100.6	101.8	9.7	9.9	98.0	99.0	80	81	98.8	94.1
C3	4.8	4.9	98.0	96.0	32.7	32.6	100.3	100.0	33.8	33.6	100.6	101.2	10.4	9.6	108.3	106.1	103	98	105.1	121.2
I3	5.1	5.0	102.0	102.0	33.1	33.0	100.3	101.2	33.2	33.1	100.3	99.4	10.1	9.7	104.1	103.1	86	85	101.2	101.2
R3	4.8	3.0	160.0	96.0	32.6	32.4	100.6	99.7	33.7	34.1	98.8	100.9	11.2	10.7	104.7	114.3	87	84	103.6	102.4
S3	5.7	5.6	101.8	114.0	32.2	33.0	97.6	98.5	32.3	33.1	97.6	96.7	10.4	10.4	100.0	106.1	84	85	95.4	93.9
V3		5.5				33.2				34.0				9.4				103		
X3	3.5	2.6	134.6	70.0	32.2	32.3	99.7	98.5	33.7	34.1	98.8	100.9	12.1	11.3	107.1	123.5	83	84	98.9	97.6
Z3	5.3	5.4	98.1	106.0	32.3	32.2	100.3	98.8	33.2	33.0	100.6	99.4	10.4	10.2	102.0	106.1	90	90	100.0	105.9
A4	5.2	4.9	106.1	104.0	32.8	32.3	101.5	100.3	33.7	33.3	101.2	100.9	9.7	9.6	101.0	99.0	88	89	98.9	103.5
B4	4.6	4.6	100.0	92.0	32.3	32.4	99.7	98.8	32.6	32.7	99.7	97.6	10.1	9.9	102.0	103.1	79	81	97.5	92.9
L4	2.8	2.2	127.3	56.0	31.8	32.2	98.8	97.2	33.5	34.2	98.0	100.3	9.6	9.6	100.0	98.0	87	90	96.7	102.4
R4	6.3	6.0	105.0	126.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	10.3	10.2	101.0	105.1	86	84	102.4	101.2
S4	5.4	5.6	96.4	108.0	32.6	32.7	99.7	99.7	33.4	33.5	99.7	100.0	9.7	9.5	102.1	99.0	80	80	100.0	94.1
FMBG DATA																				
CUR. AV.	5.1				32.6				33.3				10.0				86			
CUM. AV.	5.0				32.7				33.4				9.8				85			
IND. *C	102.0				99.7				99.7				102.0				101.2			

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

DECEMBER, 1983

	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		6.1				32.9				33.0				8.9				86		
B1	5.1	5.6	91.1	102.0	32.1	32.3	99.4	98.2	33.0	33.1	99.7	98.3	9.0	9.1	96.9	90.9	96	90	106.7	111.6
I1	4.8	5.3	90.6	96.0	32.3	32.4	99.7	98.8	33.4	33.3	100.3	100.0	8.7	9.2	94.6	87.9	86	86	100.0	100.0
L1		6.0				33.1				33.2								80		
Q1		5.2				32.4				33.3				9.8				83		
R1	4.3	4.4	97.7	86.0	32.8	32.8	100.0	100.3	34.0	34.0	100.0	101.8	9.8	9.8	100.0	99.0	86	86	100.0	100.0
S1		4.0				33.3				33.4				9.9				94		
U1	6.4	6.0	106.7	128.0	33.3	33.0	100.9	101.8	33.5	33.2	100.9	100.3	10.1	9.8	103.1	102.0	82	82	100.0	95.3
B2	4.0	4.2	95.2	80.0	32.2	32.4	99.4	98.5	33.5	33.7	99.4	100.3	8.3	8.8	94.3	83.8	86	85	101.2	100.0
D2		5.0				32.5				33.5				9.4				94		
E2	4.9	5.2	94.2	98.0	32.2	32.5	99.1	98.5	33.2	33.5	99.1	99.4	9.7	10.4	93.3	98.0	88	89	98.9	102.3
F2	4.9	5.7	86.0	98.0	33.4	33.4	100.0	102.1	33.5	33.5	100.0	100.3	10.0	9.5	102.0	101.0	82	81	101.2	95.3
G2		4.5				32.5				33.6				9.3				88		
J2		6.4				33.0				33.1				9.7				91		
L2	5.9	5.8	101.7	118.0	33.1	33.1	100.0	101.2	33.4	33.4	100.0	100.0	10.7	10.3	103.9	108.1	79	77	102.6	91.9
M2	5.0	5.1	99.0	100.0	33.1	33.1	100.0	101.2	33.2	33.2	100.0	99.4	10.0	10.2	98.0	101.0	97	93	104.3	112.3
P2	6.0	5.6	107.1	120.0	31.6	32.2	98.1	96.6	32.2	33.0	97.6	96.4	9.9	9.9	100.0	100.0	82	80	102.5	95.3
V2	5.3	5.2	101.9	106.0	32.6	32.6	100.0	99.7	33.5	33.5	100.0	100.3	9.9	10.1	98.0	100.0	84	82	102.4	97.7
X2	5.6	5.4	103.7	112.0	33.0	33.0	100.0	100.9	33.8	33.9	99.7	101.2	10.0	9.9	101.0	101.0	80	81	98.8	93.0
C3	5.1	4.9	104.1	102.0	32.5	32.6	99.7	99.4	33.4	33.6	99.4	100.0	10.2	9.7	105.2	103.0	100	93	102.0	116.3
I3	5.0	5.0	100.0	100.0	33.0	33.0	100.0	100.9	33.1	33.1	100.0	99.1	9.8	9.8	100.0	99.0	89	84	105.0	103.5
R3	4.5	3.2	140.6	90.0	32.4	32.5	99.7	99.1	33.6	34.1	98.5	100.6	11.2	10.8	103.7	113.1	90	84	107.1	104.6
S3		5.6				32.8				32.9				10.4				87		
V3		5.5				33.2				34.0				9.4				103		
X3	3.4	2.7	125.9	68.0	32.1	32.3	99.4	98.2	33.6	34.1	98.5	100.6	11.8	11.4	103.5	119.2	88	94	104.3	102.3
Z3	5.3	5.4	98.1	106.0	32.1	32.2	99.7	98.2	33.0	33.0	100.0	98.8	10.0	10.2	98.0	101.0	89	90	98.9	103.5
A4		4.9				32.4				33.4				9.6				89		
B4	4.4	4.6	95.6	88.0	32.2	32.4	99.4	98.5	32.5	32.7	99.4	97.3	9.9	9.9	100.0	100.0	80	81	98.8	93.0
L4	2.6	2.3	113.0	52.0	31.8	32.2	98.8	97.2	33.6	34.1	98.5	100.6	11.2	9.6	122.9	119.2	92	90	102.2	107.0
R4	7.2	6.0	120.0	144.0	32.3	33.0	99.4	100.3	32.9	33.1	99.4	98.5	10.0	10.2	98.0	101.0	86	84	102.4	100.0
S4	5.8	5.6	103.6	116.0	33.0	32.7	100.9	100.9	33.7	33.5	100.6	100.9	9.7	9.6	101.0	98.0	80	80	100.0	93.0
FRBG DATA																				
CUR. AV.	5.0				32.6				33.3				10.0				87			
CUM. AV.	5.0				32.7				33.4				9.9				86			
IND. *D	100.0				99.7				99.7				101.0				101.2			

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.

	OCTOBER, 1983				NOVEMBER, 1983				DECEMBER, 1983			
	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												
B1	56.0	54.7	102.4	111.3	54.0	55.0	98.2	106.7	57.0	54.8	104.0	111.3
I1	47.7	53.6	89.0	94.8		52.9			45.2	52.9	85.4	88.3
L1	42.0	48.4	86.8	83.5	50.0	47.4	105.5	98.8		47.6		
C1												
R1	55.9	55.4	100.9	111.1	53.2	55.6	95.7	105.1	59.3	56.0	105.9	115.8
S1		47.0				47.0				47.0		
U1												
B2	56.0	53.3	105.1	111.3	57.0	53.8	105.9	112.6	63.0	54.0	116.7	123.0
D2		50.6				50.8				51.0		
E2	62.0	54.8	113.6	123.3	70.0	55.5	126.1	138.3	64.0	59.5	107.6	125.0
F2												
G2		63.8				63.8				63.8		
J2		43.2				43.2				43.2		
L2	43.9	45.6	96.3	97.3	45.4	44.4	102.2	89.7	48.1	44.5	108.1	93.9
M2	57.0	57.1	99.8	113.3	64.0	57.2	111.9	126.5	57.0	57.9	98.4	111.3
P2	44.0	40.1	109.7	87.5	38.0	40.3	94.3	75.1	40.0	39.8	100.5	78.1
V2												
X2												
C3												
I3	47.0	46.4	101.3	93.4	47.0	47.1	99.8	92.9	49.0	47.5	103.2	95.7
R3	57.0	52.0	91.9	113.3	58.0	59.5	97.5	114.6	59.0	59.0	100.0	115.2
S3	51.6	51.5	100.2	102.6	48.0	51.5	93.2	94.9		50.6		
V3		56.7				56.7				56.7		
X3	59.0	60.0	98.3	117.3	62.0	59.5	104.2	122.5	61.0	60.3	101.2	119.1
Z3	55.7	50.2	111.0	110.7	59.0	50.8	116.1	116.6		52.4		
A4		50.9			49.0	50.9	96.3	96.8		50.7		
B4	51.0	44.4	114.9	101.4	54.0	45.2	119.5	106.7	50.0	45.9	108.9	97.6
L4	62.0	62.0	100.0	123.3	54.0	62.0	87.1	106.7	59.0	59.3	99.5	115.2
R4												
S4					58.0			114.6	50.0	58.0	86.2	97.6

FMBC DATA			
CUR. AV.	53.0	54.2	54.4
CUM. AV.	50.3	50.6	51.2
IND. *C	105.4	107.1	106.2

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

OCTOBER, 1983

	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
B1		6.0				37.4				38.1				10.6				91		
D1		5.5				37.6				38.5				10.7				102		
J1		5.7				38.1				38.4				10.8				92		
L1		6.0				38.2				38.3								91		
R1	5.1	4.9	104.1	94.4	37.8	37.7	100.3	99.7	38.9	38.8	100.2	100.8	11.0	11.0	100.0	100.9	98	97	101.0	100.0
S1		4.7				38.3				38.4				11.4				107		
U1	6.3	6.2	101.6	116.7	38.0	38.0	100.0	100.3	38.2	38.2	100.0	99.0	10.7	11.1	96.4	98.2	94	95	98.9	95.9
B2	5.1	5.2	98.1	94.4	37.7	38.8	97.2	99.5	38.8	39.9	97.2	100.5	9.0	10.3	87.4	82.6	95	96	99.0	96.9
D2	5.8	5.0	116.0	107.4	37.7	37.4	100.8	99.5	38.5	38.5	100.0	99.7	10.5	10.6	99.0	96.3	100	103	97.1	102.0
E2		6.0				37.5				38.2				11.2				104		
F2	5.5	5.6	98.2	101.8	38.4	38.4	100.0	101.3	38.5	38.5	100.0	99.7	10.9	10.7	101.9	100.0	96	96	100.0	98.0
G2	5.3	5.2	101.9	98.1	37.6	37.5	100.3	99.2	38.6	38.6	100.0	100.0	10.3	10.6	101.9	99.1	100	100	100.0	102.0
K2		5.8				38.0				38.1				10.9				95		
M2	5.5	5.4	101.8	101.8	38.1	38.1	100.0	100.5	38.2	38.2	100.0	99.0	11.5	11.4	100.9	105.5	103	101	102.0	105.1
N2		5.9				37.6				38.3				11.4				90		
V2		5.4				37.5				38.4				10.8				94		
X2		5.9				38.1				38.9				11.0				88		
C3		5.2				37.7				38.8				11.1				109		
I3	6.0	6.0	100.0	111.1	38.0	38.0	100.0	100.3	38.1	38.1	100.0	98.7	10.8	10.9	99.1	99.1	91	94	96.8	92.8
S3	5.6	5.8	96.6	103.7	38.0	38.0	100.0	100.3	38.1	38.1	100.0	98.7	11.6	12.0	96.7	106.4	96	96	100.0	98.0
U3		5.8				38.2				39.0				10.4				93		
W3	5.7	5.7	100.0	105.6	38.2	38.0	100.5	100.8	39.1	38.8	100.8	101.3	11.0	11.2	98.2	100.9	106	103	102.9	108.2
X3		4.0				36.9				38.5				12.5				101		
Z3		5.8				37.2				38.0				11.3				104		
A4	5.1	5.1	100.0	94.4	37.3	37.3	99.7	98.2	38.3	38.4	99.7	99.2	11.2	11.2	100.0	102.8	99	99	100.0	101.0
J4	5.6	5.6	100.0	103.7	37.9	37.7	100.5	100.0	38.8	38.6	100.5	100.5	10.7	11.1	96.4	98.2	105	99	107.1	108.2
L4	4.1	3.7	110.8	75.9	37.4	37.5	99.7	98.7	38.9	39.2	99.2	100.8	11.2	10.7	104.7	102.3	102	100	102.0	104.1
P4	5.0	5.5	90.9	92.6	38.8	38.8	100.0	102.4	38.9	38.9	100.0	100.8	10.4	10.8	96.3	95.4	105	96	109.4	107.1
S4	5.7	5.7	100.0	105.6	38.4	38.2	100.5	101.3	38.5	38.3	100.5	99.7	10.2	10.1	101.0	93.6	98	99	99.0	100.0
T4	5.5	5.5	100.0	101.8	38.2	38.2	100.0	100.8	38.3	38.3	100.0	99.2	10.1	10.6	95.3	92.7	99	100	99.0	101.0

FKBG DATA				
CUR. AV.	5.4	38.0	38.5	10.7	99
CUM. AV.	5.4	37.9	38.6	10.9	98
IND. *C	100.0	100.3	99.7	98.2	101.0

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

NOVEMBER, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1		6.0				37.4				38.1				10.6				91		
D1		5.6				37.6				38.5				10.7				102		
J1		5.7				38.1				38.4				10.9				92		
L1	5.9	6.0	98.3	109.2	38.0	38.2	99.5	100.3	38.1	38.3	99.5	98.7					91	91	100.0	92.8
R1	5.0	4.9	102.0	92.6	37.8	37.7	100.3	99.7	38.9	38.8	100.2	100.8	10.9	11.0	99.1	100.9	100	96	104.2	102.0
S1	5.5	4.8	114.6	101.8	38.3	38.3	100.0	101.0	38.4	38.4	100.0	99.5	11.7	11.4	102.6	108.3	102	106	96.2	104.1
U1	6.1	6.2	98.4	113.0	38.0	38.0	100.0	100.3	38.2	38.2	100.0	99.0	10.8	11.1	97.3	100.0	94	95	98.9	95.9
B2	5.3	5.3	100.0	98.1	37.7	38.9	96.9	99.5	38.7	39.9	97.0	100.2	9.4	10.1	93.1	87.0	108	95	113.7	110.2
D2	5.8	5.0	116.0	107.4	37.5	37.4	100.3	98.9	38.3	38.5	99.5	99.2	10.4	10.6	98.1	96.3	104	103	101.0	106.1
E2	6.4	6.1	104.9	118.5	37.3	37.5	99.5	98.4	37.9	38.2	99.2	98.2	10.1	11.2	90.2	93.5	99	101	98.0	101.0
F2		5.6				38.4				38.5				10.8				96		
G2	5.5	5.2	105.8	101.8	37.7	37.6	100.3	99.5	38.6	38.6	100.0	100.0	11.3	10.6	106.6	104.6	104	100	104.0	106.1
K2	5.8	5.6	100.0	107.4	38.1	38.0	100.3	100.5	38.2	38.1	100.3	99.0	11.0	10.9	100.9	101.8	90	95	94.7	91.8
M2		5.4				38.1				38.2				11.4				101		
N2		5.9				37.6				38.3				11.4				90		
V2		5.4				37.5				38.4				10.8				94		
X2		5.9				38.2				39.0				11.2				89		
C3	4.7	5.2	90.4	87.0	37.0	37.7	98.1	97.6	38.3	38.8	98.7	99.2	12.1	11.1	109.0	112.0	99	109	90.8	101.0
I3	6.0	6.0	100.0	111.1	38.0	38.0	100.0	100.3	38.1	38.1	100.0	98.7	11.2	10.8	103.7	103.7	92	94	97.9	93.9
S3		5.7				38.0				38.1				11.6				96		
U3		5.8				38.2				39.0				10.4				93		
W3	5.8	5.8	100.0	107.4	38.4	38.1	100.8	101.3	39.2	38.9	100.8	101.6	10.5	11.1	94.6	97.2	101	104	97.1	103.1
X3		4.0				36.9				38.5				12.5				101		
Z3		5.8				37.2				38.0				11.3				104		
B4	5.4	5.1	105.9	100.0	37.6	37.2	101.1	99.2	38.6	38.3	100.3	100.0	11.3	11.1	101.8	104.6	98	98	100.0	100.0
J4	5.7	5.5	103.6	105.5	38.2	37.7	101.3	100.8	39.1	38.6	101.3	101.3	10.7	11.1	96.4	99.1	106	100	105.0	103.2
L4		3.8				37.5				39.1				10.8				100		
P4		5.5				38.8				38.9				10.7				97		
C4	5.5	5.7	96.5	101.8	38.0	38.2	99.5	100.3	38.1	38.3	99.5	98.7	10.3	10.1	102.0	95.4	95	99	96.0	95.9
T4	5.3	5.5	96.4	98.1	38.2	38.2	100.0	100.8	38.3	38.3	100.0	99.2	10.0	10.4	96.2	92.6	100	99	101.0	102.0
FKBG DATA																				
CUR. AV.	5.6				37.9				38.4				10.8				99			
CUM. AV.	5.4				37.9				38.6				10.8				98			
IND. *C	103.7				100.0				99.5				100.0				101.0			

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

DECEMBER, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,**A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1		6.0				37.4				38.1				10.6				91		
D1	5.7	5.7	100.0	105.6	37.7	37.6	100.3	99.5	38.6	38.5	100.2	100.2	10.9	10.7	101.9	100.9	102	101	101.0	104.1
J1	5.6	5.7	98.2	103.7	38.2	38.1	100.3	100.8	38.5	38.4	100.3	100.0	11.4	10.9	104.6	105.6	96	92	104.3	98.0
L1	5.9	6.0	98.3	109.2	38.7	38.2	101.3	102.1	38.8	38.2	101.6	100.8					96	91	105.5	98.0
R1	4.9	4.9	100.0	90.7	37.4	37.7	99.2	98.7	38.6	38.9	99.2	100.2	10.9	10.9	100.0	100.9	97	96	101.0	99.0
S1	5.2	4.8	108.3	96.3	38.3	38.3	100.0	101.0	38.4	38.4	100.0	99.7	11.9	11.5	103.5	110.2	108	106	101.9	110.2
U1	6.2	6.2	100.0	114.8	38.2	38.0	100.5	100.8	38.4	38.2	100.5	99.7	11.0	11.0	100.0	101.8	92	95	96.8	93.9
E2	5.5	5.4	101.8	101.8	38.9	38.9	100.0	102.6	39.9	39.9	100.0	103.6	9.4	10.1	93.1	87.0	96	97	99.0	99.0
D2	5.7	5.1	111.8	105.6	37.5	37.5	100.0	98.9	38.4	38.6	99.5	99.7	10.5	10.6	99.0	97.2	103	102	101.0	105.1
E2		6.2				37.4				38.0				10.6				100		
F2		5.7				38.4				38.5				10.8				96		
G2	5.5	5.2	105.8	101.8	37.7	37.6	100.3	99.5	38.6	38.6	100.0	100.2	11.8	10.7	110.3	109.2	102	100	102.0	104.1
K2	6.0	5.8	103.4	111.1	37.1	38.0	97.6	97.9	37.2	38.2	97.4	96.6	10.9	11.0	99.1	100.9	90	92	97.8	91.8
M2	5.1	5.4	94.4	94.4	38.2	38.1	100.3	100.8	38.3	38.2	100.3	99.5	11.1	11.4	97.4	102.8	106	101	105.0	108.2
N2		5.9				37.6				38.3				11.4				90		
V2		5.3				37.5				38.5				11.1				93		
X2		5.9				38.2				39.0				11.5				89		
C3		5.1				37.5				38.6				11.4				106		
I3	6.0	6.0	100.0	111.1	38.0	38.0	100.0	100.3	38.1	38.1	100.0	99.0	11.6	10.9	106.4	107.4	90	94	95.7	91.8
S3		5.7				38.0				38.1				11.8				96		
U3		5.8				38.2				39.0				10.4				93		
V3	5.6	5.8	96.6	103.7	37.8	38.2	99.0	99.7	38.7	39.0	99.2	100.5	11.0	11.0	100.0	101.8	93	103	90.3	94.9
X3		4.0				36.9				38.5				12.5				101		
Z3		5.9				37.3				38.1				11.3				105		
A4	4.9	5.1	96.1	90.7	37.3	37.3	100.0	98.4	38.5	38.4	100.3	100.0	11.3	11.1	101.8	104.6	98	98	100.0	100.0
J4	5.4	5.5	98.2	100.0	37.6	37.8	99.5	99.2	38.6	38.8	99.5	100.2	10.6	11.0	96.4	95.1	101	101	100.0	103.1
L4		4.1				37.4				38.9				11.0				101		
P4		5.5				38.9				39.0				10.8				98		
S4	5.4	5.7	94.7	100.0	38.2	38.2	100.0	100.8	38.3	38.3	100.0	99.5	10.6	10.1	105.0	98.1	101	99	102.0	103.1
T4	5.3	5.5	96.4	98.1	38.4	38.2	100.5	101.3	38.5	38.3	100.5	100.0	10.4	10.4	100.0	96.3	97	100	97.0	99.0
FKBG DATA																				
CUR. AV.	5.5				38.0				38.5				11.0				98			
CUM. AV.	5.4				37.9				38.5				10.8				98			
IND. *C	101.8				100.3				100.0				101.3				100.0			

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.

	OCTOBER, 1983				NOVEMBER, 1983				DECEMBER, 1983			
	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
B1												
D1		72.7				73.7			59.8	74.3	80.5	94.0
J1		59.8				59.9			78.7	61.3	128.4	123.7
L1		58.0			61.0	56.6	107.8	95.9	63.0	57.1	110.3	99.0
R1	67.2	65.9	102.1	105.5	65.9	66.0	99.8	103.6	70.2	66.4	105.7	110.4
S1		62.9			53.0	62.1	85.3	83.3	48.0	60.7	79.1	75.5
U1												
B2	55.0	60.5	107.4	102.0	63.0	60.9	103.4	99.0	64.0	61.4	104.2	100.6
D2	55.0	68.3	95.2	102.0	71.0	68.2	104.1	111.6	69.0	68.5	100.7	108.5
E2		66.0			75.0	65.0	115.4	117.9		70.0		
F2	59.0	70.3	83.9	92.6		64.7				59.0		
G2	70.2	75.3	93.2	110.2	65.7	74.9	87.7	103.3	60.2	73.9	81.5	94.6
K2		77.0			65.0	77.0	84.4	102.2	63.0	71.0	88.7	99.0
M2	66.0	63.0	104.8	103.6		63.3			53.0	63.6	99.0	99.0
N2												
W2												
X2												
C3												
I3	59.0	54.0	109.2	92.6	55.0	55.1	99.8	86.5	50.0	55.3	90.4	78.6
S3	61.3	55.0	111.4	96.2		58.2				58.2		
U3												
W3	53.0	60.4	104.3	98.9	57.0	61.8	92.2	89.6	61.0	61.6	99.0	95.9
X3		61.0				61.0				61.0		
Z3		67.8				67.8				68.8		
A4	65.0	60.3	107.8	102.0	56.0	60.8	108.6	103.8	66.0	61.3	107.7	103.6
J4												
L4	67.0	75.0	89.3	105.2		71.0				71.0		
P4	63.0	73.7	85.5	98.9		63.7				61.5		
S4	58.0	59.5	97.5	91.0	59.9	59.4	100.3	94.2	69.1	59.7	115.7	108.6
T4	68.3	64.3	107.0	108.0	70.2	65.0	108.0	110.4	64.8	65.6	98.8	101.9
FKBG DATA												
CUR. AV.	64.1				63.7				63.3			
CUM. AV.	63.7				63.6				63.6			
IND. *C	100.6				100.2				99.5			

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

OCTOBER, 1983

	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	6.4	6.4	100.0	114.3	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.1	11.5	96.5	92.5	106	105	101.0	100.0
B1	6.3	6.0	105.0	112.5	41.4	41.4	100.0	99.3	42.1	42.2	99.8	99.3	11.3	11.5	98.3	94.2	104	105	99.0	98.1
D1		5.8				41.7				42.6				11.7				111		
J1	5.6	5.8	96.6	100.0	42.1	42.1	100.0	101.0	42.5	42.5	100.0	100.2	12.2	11.9	102.5	101.7	102	102	100.0	96.2
K1		6.4				42.0				42.1				11.8				106		
L1	5.8	6.0	96.7	103.6	42.1	42.0	100.2	101.0	42.2	42.1	100.2	99.5					103	102	101.0	97.2
G1	5.9	6.0	98.3	105.4	41.4	41.4	100.0	99.3	42.3	42.2	100.2	99.8	11.7	12.0	97.5	97.5	101	101	100.0	95.3
R1	5.2	5.0	104.0	92.8	41.9	41.6	100.7	100.5	43.1	42.8	100.7	101.6	12.0	12.2	98.4	100.0	104	104	100.0	98.1
S1		5.3				42.3				42.4				12.7				111		
U1	6.5	6.4	101.6	116.1	42.1	42.0	100.2	101.0	42.3	42.2	100.2	99.8	11.9	12.2	97.5	99.2	104	106	98.1	98.1
B2	5.2	5.8	89.6	92.8	41.2	41.6	99.0	98.8	42.4	42.5	99.8	100.0	10.1	10.9	92.7	84.2	110	106	103.8	103.8
D2	5.9	5.0	118.0	105.4	41.4	41.2	100.5	99.3	42.3	42.5	99.5	99.8	12.0	11.9	100.8	100.0	108	110	98.2	101.9
E2	6.5	6.5	100.0	116.1	41.7	41.8	99.8	100.0	42.3	42.4	99.8	99.8	12.1	12.4	97.6	100.8	104	108	96.3	98.1
F2		5.5				42.4				42.5				12.1				104		
G2	5.5	5.4	101.8	98.2	41.5	41.5	100.0	99.5	42.5	42.6	99.8	100.2	11.8	11.8	100.0	98.3	108	108	100.0	101.9
H2	5.2	5.2	100.0	92.8	41.0	41.2	99.5	98.3	42.1	42.4	99.3	99.3	11.5	11.5	100.0	95.8	114	115	99.1	107.5
I2	5.5	6.0	91.7	98.2	42.3	42.3	100.0	101.4	43.4	43.1	100.7	102.4	11.8	12.1	97.5	98.3	131	118	111.0	123.6
K2	5.8	5.9	100.0	103.6	41.9	42.4	98.8	100.5	42.0	42.4	99.0	99.0	12.1	12.2	99.2	100.8	102	102	100.0	96.2
M2	5.4	5.6	96.4	96.4	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.7	12.7	100.0	105.8	107	106	100.9	100.9
N2	6.1	6.3	96.8	108.9	41.5	41.6	99.8	99.5	42.2	42.3	99.8	99.5	12.6	12.4	101.6	105.0	101	99	102.0	95.3
P2	5.7	5.6	101.8	101.8	41.0	41.1	99.8	98.3	41.9	42.1	99.5	98.8	12.4	12.6	98.4	103.3	102	101	101.0	96.2
W2	5.7	5.4	105.6	101.8	41.6	41.5	100.2	99.8	42.6	42.6	100.0	100.5	12.6	12.2	103.3	105.0	103	103	100.0	97.2
X2	5.9	6.0	98.3	105.4	41.9	41.8	100.2	100.5	42.8	42.7	100.2	100.9	12.0	12.0	100.0	100.0	101	100	101.0	95.3
E3	4.7	4.8	97.9	83.9	41.7	41.8	99.8	100.0	43.1	43.2	99.8	101.6	10.9	11.6	94.0	90.8	108	106	101.9	101.9
F3	5.6	5.5	101.8	100.0	41.4	41.5	99.8	99.3	42.4	42.6	99.5	100.0	10.1	10.4	97.1	84.2	105	106	99.0	99.0
I3	6.1	6.0	101.7	108.9	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.6	11.9	97.5	96.7	103	105	98.1	97.2
N3	6.0	6.0	100.0	107.1	42.1	42.2	99.8	101.0	42.2	42.3	99.8	99.5	11.7	11.6	101.7	97.5	106	105	101.0	100.0
R3	5.4	4.7	114.9	96.4	41.4	41.2	100.5	99.3	42.5	42.6	99.8	100.2	13.4	12.9	103.9	111.7	105	105	100.0	99.0
U3	5.7	5.8	98.3	101.8	41.9	41.8	100.2	100.5	42.9	42.8	100.2	101.2	11.7	11.9	98.3	97.5	101	103	98.0	95.3
W3	5.8	5.9	98.3	103.6	41.6	41.4	100.5	99.8	42.5	42.3	100.5	100.2	12.3	11.9	103.4	102.5	113	109	103.7	106.6
Y3	5.2	6.1	101.6	110.7	41.7	41.6	100.2	100.0	42.4	42.4	100.0	100.0	11.4	11.7	97.4	95.0	101	101	100.0	95.3
X3	4.8	4.6	104.3	85.7	41.2	41.3	99.8	98.8	42.6	42.7	99.8	100.5	14.0	13.9	100.7	116.7	103	105	98.1	97.2
Y3	6.3	5.8	108.6	112.5	42.1	42.1	100.0	101.0	42.3	42.3	100.0	99.9	10.9	10.8	100.9	90.8	105	106	99.0	99.0
Z3	6.3	5.9	106.8	112.5	41.2	41.1	100.2	98.8	41.9	41.9	100.0	98.8	12.5	12.8	97.6	104.2	114	109	104.6	107.5
A4	5.1	5.3	96.2	91.1	41.2	41.2	100.0	98.8	42.4	42.4	100.0	100.0	12.5	12.4	100.8	104.2	106	106	100.0	100.0
B4	5.3	5.1	103.9	94.6	41.2	41.3	99.8	98.3	41.6	41.7	99.8	98.1	13.0	12.7	102.4	108.3	101	101	100.0	95.3
J4	5.5	5.7	96.5	98.2	41.6	41.5	100.2	99.8	42.6	42.4	100.5	100.5	11.7	11.9	98.3	97.5	113	105	106.6	106.6
L4	4.6	3.9	117.9	82.1	41.2	41.3	99.8	98.8	42.6	43.1	98.8	100.5	12.3	12.1	101.6	102.5	107	107	100.0	100.9
P4	5.7	5.7	100.0	101.8	42.8	42.7	100.2	102.6	42.9	42.8	100.2	101.2	11.8	11.8	100.0	98.3	106	105	101.0	100.0
Q4	5.9	6.0	98.3	105.4	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.4	11.3	100.9	95.0	103	105	97.2	97.2
R4	6.0	5.8	103.4	107.1	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.3	12.2	12.9	94.6	101.7	107	105	101.9	100.9
T4	5.4	5.5	98.2	96.4	42.2	42.2	100.0	101.2	42.3	42.3	100.0	99.5	11.0	11.6	94.8	91.7	105	104	101.0	99.0
FROG DATA																				
CUR. AV.	5.7				41.7				42.4				11.9				106			
CUM. AV.	5.6				41.7				42.4				12.0				105			
IND.																				
*C	101.8				100.0				100.0				99.2				100.0			

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

NOVEMBER, 1983

	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
A1	6.4	6.4	100.0	114.3	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.7	11.5	101.7	97.5	105	105	100.0	99.0
B1	6.4	6.1	104.9	114.3	41.5	41.4	100.2	99.5	42.1	42.2	99.8	99.3	11.4	11.4	100.0	95.0	105	105	100.0	99.0
D1	6.3	5.9	106.8	112.5	42.3	41.8	101.2	101.4	43.0	42.6	100.9	101.4	12.1	11.7	103.4	100.8	111	111	100.0	104.7
J1	5.8	5.8	100.0	103.6	42.1	42.1	100.0	101.0	42.5	42.5	100.0	100.2	12.2	11.9	102.5	101.7	104	102	102.0	98.1
K1	6.4	6.4	100.0	114.3	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	12.7	11.9	106.7	105.8	106	106	100.0	100.0
L1	5.8	6.0	96.7	103.6	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					102	102	100.0	96.2
Q1	6.2	6.0	103.3	110.7	41.5	41.4	100.2	99.5	42.2	42.2	100.0	99.5	12.0	12.0	100.0	100.0	101	101	100.0	95.3
R1	5.1	5.1	100.0	91.1	41.8	41.6	100.5	100.2	43.0	42.8	100.5	101.4	12.2	12.2	100.0	101.7	104	104	100.0	99.1
S1		5.3				42.3				42.4				12.7				111		
U1	6.4	6.4	100.0	114.3	42.1	42.0	100.2	101.0	42.3	42.2	100.2	99.3	11.7	12.2	95.9	97.5	105	106	99.0	99.0
B2	5.3	5.7	93.0	94.6	41.2	41.5	99.3	98.8	42.3	42.5	99.5	99.9	10.2	10.8	94.4	35.0	108	106	101.9	101.9
D2	6.1	5.2	117.3	108.9	41.5	41.3	100.5	99.5	42.2	42.5	99.3	99.5	12.1	12.0	100.8	100.8	110	110	100.0	103.8
E2	6.6	6.4	103.1	117.8	41.6	41.8	99.5	99.8	42.1	42.4	99.3	99.3	11.9	12.4	96.0	99.2	107	107	100.0	100.9
F2	5.0	5.5	90.9	89.3	42.6	42.4	100.5	102.2	42.7	42.5	100.5	100.7	12.1	12.1	100.0	100.8	104	104	100.0	98.1
G2	5.5	5.4	101.8	98.2	41.5	41.5	100.0	99.5	42.5	42.6	99.8	100.2	12.1	11.8	102.5	100.8	110	107	102.8	103.3
H2	5.1	5.2	98.1	91.1	41.1	41.2	99.8	98.6	42.3	42.4	99.8	99.8	11.4	11.5	99.1	95.0	114	116	98.3	107.5
I2	5.7	5.8	98.3	101.8	42.3	42.3	100.0	101.4	43.3	43.2	100.2	102.1	12.0	12.1	99.2	100.0	121	118	102.5	114.2
K2	5.7	5.8	98.3	101.8	41.1	42.2	97.4	98.6	41.2	42.3	97.4	97.2	12.0	12.1	99.2	100.0	101	102	99.0	95.3
M2	5.5	5.6	98.2	98.2	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.3	12.7	96.8	102.5	109	106	102.8	102.8
N2	6.2	6.2	100.0	110.7	41.6	41.6	100.0	99.8	42.3	42.3	100.0	99.8	12.5	12.4	100.8	104.2	100	100	100.0	94.3
P2	5.6	5.6	100.0	100.0	40.5	41.0	98.8	97.1	41.5	42.0	98.8	97.9	11.5	12.6	91.3	95.8	105	101	104.0	99.0
V2	5.6	5.4	103.7	100.0	41.9	41.5	101.0	100.5	42.9	42.6	100.7	101.2	12.6	12.2	103.3	105.0	104	103	101.0	98.1
X2	5.7	5.9	96.6	101.8	41.8	41.9	100.0	100.2	42.8	42.7	100.2	100.9	12.3	12.1	101.6	102.5	98	100	98.0	92.4
E3	4.7	4.8	97.9	83.9	41.6	41.8	99.5	99.8	43.0	43.2	99.5	101.4	11.1	11.5	96.5	92.5	110	106	103.8	103.8
F3	5.8	5.5	105.4	103.6	41.4	41.5	99.8	99.3	42.3	42.6	99.3	99.8	9.7	10.4	93.3	80.8	106	106	100.0	100.0
I3	6.1	6.0	101.7	108.9	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.9	11.8	100.0	98.3	103	104	99.0	97.2
N3	6.0	6.0	100.0	107.1	42.1	42.2	99.8	101.0	42.2	42.3	99.8	99.5	11.9	11.5	103.5	99.2	105	105	100.0	99.0
R3	5.4	4.8	112.5	96.4	41.5	41.3	100.5	99.5	42.6	42.6	100.0	100.5	13.1	13.0	100.8	109.2	103	105	98.1	97.2
U3	5.8	5.7	101.8	103.6	41.9	41.8	100.2	100.5	42.8	42.8	100.0	100.9	11.9	11.9	100.0	99.2	102	103	99.0	96.2
W3	6.1	5.9	103.4	108.9	41.5	41.4	100.2	99.5	42.2	42.3	99.8	99.5	11.6	11.9	97.5	96.7	109	109	100.0	102.8
B3	6.2	6.1	101.6	110.7	41.7	41.6	100.2	100.0	42.4	42.4	100.0	100.0	11.4	11.9	98.3	95.0	99	101	98.0	93.4
X3	5.1	4.7	108.5	91.1	41.3	41.3	100.0	99.0	42.5	42.7	99.5	100.2	14.2	13.9	102.2	113.3	102	105	97.1	96.2
Y3	6.1	5.9	103.4	108.9	42.3	42.1	100.5	101.4	42.5	42.3	100.5	100.2	10.9	10.9	100.0	90.8	105	106	99.0	99.0
Z3	6.3	6.0	105.0	112.5	41.4	41.2	100.5	99.3	42.1	42.0	100.2	99.3	12.6	12.8	98.4	105.0	110	110	100.0	103.8
A4	5.6	5.3	105.7	100.0	41.5	41.2	100.7	99.5	42.5	42.4	100.2	100.2	12.6	12.4	101.6	105.0	104	106	98.1	98.1
B4	5.4	5.2	103.8	96.4	41.3	41.3	100.0	99.0	41.7	41.7	100.0	98.3	13.1	12.8	102.3	109.2	100	101	99.0	94.3
J4	5.4	5.7	94.7	96.4	41.6	41.5	100.2	99.8	42.7	42.5	100.5	100.7	11.9	11.8	100.8	99.2	107	107	100.0	100.9
L4	4.5	3.9	115.4	80.4	41.3	41.3	100.0	99.0	42.8	43.0	99.5	100.9	12.3	12.1	101.6	102.5	105	107	98.1	99.0
P4	5.7	5.7	100.0	101.8	42.4	42.7	99.3	101.7	42.5	42.8	99.3	100.2	11.7	11.8	99.2	97.5	106	104	101.9	100.0
Q4	5.9	6.0	98.3	105.4	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.7	11.3	103.5	97.5	105	106	99.0	99.0
R4	6.5	5.8	112.1	116.1	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	12.4	12.8	96.9	103.5	106	105	101.0	100.0
T4	5.5	5.5	100.0	98.2	42.2	42.2	100.0	101.2	42.3	42.3	100.0	99.8	11.0	11.5	95.6	91.7	104	104	100.0	98.1
FREE DATA																				
CUR. AV.	5.8				41.7				42.4				11.9				105			
CUM. AV.	5.6				41.7				42.4				12.0				106			
IND. *C	103.6				100.0				100.0				99.2				99.0			

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

DECEMBER, 1983

	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	6.5	6.4	101.6	116.1	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.1	11.5	96.5	92.5	108	105	102.8	101.9
B1	6.1	6.1	100.0	108.9	41.3	41.4	99.8	99.0	42.0	42.2	99.5	99.0	11.2	11.4	98.2	93.5	105	105	100.0	99.0
D1		6.0				41.8				42.7				11.8				112		
J1	5.7	5.8	98.3	101.8	42.1	42.1	100.0	101.0	42.5	42.5	100.0	100.2	12.3	12.0	102.5	102.5	104	102	102.0	98.1
K1		6.4				42.0				42.1				12.0				106		
L1	5.8	6.0	96.7	103.6	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					102	102	100.0	95.2
Q1	5.9	6.1	96.7	105.4	41.3	41.4	99.8	99.0	42.2	42.2	100.0	99.5	11.9	12.0	99.2	99.2	100	101	99.0	94.3
R1	5.0	5.1	99.0	89.3	41.8	41.6	100.5	100.2	43.1	42.9	100.5	101.6	12.3	12.2	100.8	102.5	104	104	100.0	99.1
S1		5.3				42.3				42.4				12.7				110		
U1	6.3	6.4	98.4	112.5	42.1	42.0	100.2	101.0	42.3	42.2	100.2	99.8	11.9	12.1	98.3	99.2	103	105	98.1	97.2
B2	5.5	5.7	96.5	98.2	41.3	41.5	99.5	99.0	42.3	42.5	99.5	99.8	10.1	10.7	94.4	84.2	110	106	103.8	103.8
D2	6.0	5.3	113.2	107.1	41.4	41.3	100.2	99.3	42.2	42.4	99.5	99.5	11.9	12.0	99.2	99.2	109	110	99.1	102.3
G2		6.4				41.8				42.4				12.3				106		
F2		5.4				42.5				42.6				12.1				104		
G2	5.6	5.4	103.7	100.0	41.5	41.5	100.0	99.5	42.5	42.6	99.8	100.2	12.8	11.8	108.5	106.7	108	103	100.0	101.9
H2	5.1	5.2	98.1	91.1	40.9	41.2	99.3	98.1	42.1	42.4	99.3	99.3	11.4	11.5	99.1	95.0	116	115	100.9	109.4
I2	5.6	5.7	98.2	100.0	42.4	42.2	100.5	101.7	43.4	43.2	100.5	102.4	12.2	12.1	100.8	101.7	114	118	96.6	107.5
K2	5.9	5.8	101.7	105.4	41.8	41.9	99.3	99.3	41.7	42.0	99.3	98.3	12.4	12.1	102.5	103.3	101	102	99.0	95.3
M2	5.4	5.6	96.4	96.4	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.4	12.7	97.6	103.3	111	107	103.7	104.7
N2	6.2	6.2	100.0	110.7	41.6	41.6	100.0	99.8	42.3	42.3	100.0	99.8	12.4	12.5	99.2	103.3	100	100	100.0	94.3
P2	5.7	5.6	101.8	101.8	40.9	40.9	100.0	98.1	41.8	41.9	99.8	98.6	12.3	12.4	99.2	102.5	101	101	100.0	95.3
V2	5.5	5.5	100.0	98.2	41.8	41.6	100.5	100.2	42.8	42.6	100.5	100.9	12.8	12.3	104.1	106.7	104	104	100.0	98.1
X2	5.9	5.9	100.0	105.4	41.8	41.8	100.0	100.2	42.7	42.7	100.0	100.7	12.3	12.1	101.6	102.5	99	100	99.0	93.4
E3	4.9	4.8	102.1	87.5	41.7	41.8	99.8	100.0	43.0	43.2	99.5	101.4	10.9	11.4	95.6	90.8	113	106	106.6	106.6
F3	5.9	5.5	107.3	105.4	41.5	41.6	99.8	99.5	42.4	42.6	99.5	100.0	9.9	10.3	96.1	82.5	107	105	100.9	100.9
I3		6.0				42.0				42.1				11.8				104		
N3	6.0	6.0	100.0	107.1	42.1	42.2	99.8	101.0	42.2	42.2	100.0	99.5	11.7	11.5	101.7	97.5	105	105	100.0	99.0
R3	5.5	4.8	114.6	98.2	41.6	41.3	100.7	99.8	42.6	42.6	100.0	100.5	13.2	13.0	101.5	110.0	104	105	99.0	93.1
U3	6.0	5.7	105.3	107.1	41.9	41.8	100.2	100.5	42.7	42.8	99.8	100.7	12.1	11.9	101.7	100.8	101	103	98.0	95.3
V3	6.0	5.9	101.7	107.1	41.5	41.4	100.2	99.5	42.3	42.3	100.0	99.8	11.6	11.3	98.3	96.7	105	109	96.3	99.0
W3	6.0	6.1	98.4	107.1	41.6	41.6	100.0	99.8	42.4	42.4	100.0	100.0	11.8	11.6	101.7	98.3	100	101	99.0	94.3
X3	5.1	4.7	108.5	91.1	41.2	41.3	99.8	98.8	42.4	42.7	99.3	100.0	13.9	14.0	99.3	115.8	104	105	99.0	93.1
Y3	5.8	5.9	98.3	103.6	42.0	42.1	99.8	100.7	42.2	42.3	99.8	99.5	10.7	10.9	98.2	89.2	106	106	100.0	100.0
Z3	6.1	6.0	101.7	108.9	41.3	41.2	100.2	99.0	42.0	42.0	100.0	99.0	12.6	12.4	98.4	105.0	111	110	100.9	104.7
A4	4.7	5.3	88.7	83.9	41.3	41.2	100.2	99.0	42.7	42.4	100.7	100.7	12.5	12.4	100.8	104.2	105	106	99.0	99.0
B4	5.2	5.3	98.1	92.8	41.3	41.3	100.0	99.0	41.7	41.7	100.0	98.3	12.6	12.8	98.4	105.0	101	101	100.0	95.3
J4	5.6	5.7	98.2	100.0	41.6	41.5	100.2	99.8	42.6	42.5	100.2	100.5	12.1	11.8	102.5	100.8	104	107	97.2	98.1
L4	4.4	4.0	110.0	78.6	41.2	41.3	99.8	98.8	42.7	43.0	99.3	100.7	12.3	12.2	100.8	102.5	105	107	98.1	99.0
P4	5.3	5.8	91.4	94.6	42.5	42.7	99.5	101.9	42.6	42.8	99.5	100.5	11.6	11.8	98.3	96.7	107	104	102.9	100.9
G4	5.8	6.0	96.7	103.6	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	11.4	11.3	100.9	95.0	108	106	101.9	101.9
R4	5.4	6.0	106.7	114.3	42.2	42.0	100.5	101.2	42.3	42.1	100.5	99.8	11.9	12.7	93.7	99.2	104	105	99.0	98.1
I4		5.5				42.2				42.3				11.4				104		
FNBE DATA																				
CUR. AV.	5.7				41.7				42.4				12.0				105			
CUM. AV.	5.6				41.7				42.4				12.0				106			
INC.																				
*B	101.8				100.0				100.0				100.0				99.0			

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.

	OCTOBER, 1983				NOVEMBER, 1983				DECEMBER, 1983			
	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												
B1	71.0	70.7	100.4	101.0	71.0	70.8	100.3	101.1	72.0	70.8	101.7	102.6
C1		79.7			77.6	80.1	96.9	110.5		79.8		
J1	66.3	70.3	94.3	94.3	65.5	69.9	93.8	93.4	70.2	69.7	100.7	100.0
K1												
L1	63.0	66.2	95.2	89.6	69.0	64.9	106.3	98.3	71.0	65.2	108.9	101.1
G1												
R1	76.1	76.4	99.6	108.2	75.6	76.5	98.8	107.7	74.9	75.7	97.6	106.7
S1		59.8				59.9				59.0		
U1												
B2	70.0	67.1	104.3	99.6	64.0	67.7	94.5	91.2	69.0	67.3	102.5	98.3
D2	74.0	76.1	97.2	105.3	73.0	76.1	95.9	104.0	73.0	75.9	96.2	104.0
E2	78.0	77.2	101.0	111.0	82.0	77.6	105.7	116.8		78.4		
F2		70.5			74.0	70.5	105.0	105.4		71.0		
G2	90.2	87.0	103.7	128.3	74.1	87.5	84.6	105.6	71.4	86.5	82.5	101.7
H2	67.0	73.8	90.8	95.3	63.0	72.8	86.5	89.7	66.0	71.4	92.4	94.0
I2	67.0	76.6	87.5	95.3	62.0	75.3	82.3	88.3	70.8	74.3	94.2	99.7
K2	77.1	72.5	106.3	109.7	75.0	74.0	101.4	106.8	74.0	74.3	99.6	105.4
M2	69.0	68.3	101.0	98.2	77.0	68.8	111.9	109.7	70.0	69.8	100.3	99.7
N2												
P2	59.0	58.9	100.2	83.9	63.0	58.2	108.2	89.7	61.0	53.8	103.7	86.9
W2												
X2												
E3	70.9	71.0	99.8	100.8	71.6	70.8	101.1	102.0	74.7	71.1	105.1	106.4
F3	66.0	64.9	101.7	93.9	68.0	64.8	104.9	96.9	61.0	65.2	93.6	86.9
I3	66.0	64.8	102.2	93.9	61.0	65.2	93.6	86.9		65.3		
N3	68.0	68.8	98.9	96.7	67.0	68.8	97.4	95.4	64.0	68.9	93.0	91.2
R3	68.0	67.0	101.5	96.7	70.0	67.5	103.7	99.7	73.0	68.3	106.9	104.0
U3					73.0			104.0	73.0	73.0	100.0	104.0
W3	65.0	65.3	99.5	92.5	62.0	65.4	94.8	88.3	64.8	65.0	98.5	91.2
Y3												
X3	70.0	67.0	104.5	99.6	72.0	68.5	105.1	102.6	72.0	69.7	103.3	102.6
Y3		84.3				84.3				84.3		
Z3	73.1	74.3	98.4	104.0	76.2	75.2	101.3	108.5		76.0		
A4	65.0	67.2	96.7	92.5	73.0	67.0	109.0	104.0	72.0	67.5	106.7	102.6
B4	74.0	61.5	120.3	105.3	74.0	62.6	118.2	105.4	73.0	63.8	114.4	104.0
J4												
L4	70.0	70.0	100.0	99.6	72.0	70.0	102.8	102.6	74.0	70.7	104.7	105.4
P4	66.0	75.2	87.8	93.9	67.0	72.3	92.7	95.4	71.0	69.7	101.9	101.1
Z4	68.9	66.3	103.9	98.0	68.6	66.7	102.8	97.7	68.1	66.3	101.9	97.0
R4												
T4	76.0	71.4	106.4	108.1	72.6	72.0	100.8	103.4		72.1		
FRBG DATA												
CUR. AV.	70.2				70.5				70.1			
CUM. AV.	70.3				70.2				70.2			
IND. *C	99.8				100.4				99.8			

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

OCTOBER, 1983

	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		6.4				69.0				69.2				19.5				137		
B1	6.5	6.1	106.6	104.8	68.3	68.2	100.1	99.6	69.3	69.4	99.8	99.8	19.6	19.1	102.6	100.5	134	140	95.7	94.4
C1	6.4	6.3	101.6	103.2	68.7	68.7	100.0	100.1	69.7	69.8	99.8	100.4	21.4	20.2	105.9	109.7	141	144	97.9	99.3
J1	5.8			93.5	69.2			100.9	69.8			100.6	19.5			100.0	138			97.2
M1		6.2				69.1				69.3				19.8				140		
L1	5.8	6.0	96.7	93.5	69.2	69.1	100.1	100.9	69.4	69.3	100.1	100.0					140	141	99.3	98.5
Q1		6.6				68.4				69.3				20.8				134		
E2	6.9	7.4	93.2	111.3	68.4	68.8	99.4	99.7	69.1	69.1	100.0	99.6	17.8	19.3	92.2	91.3	143	142	100.7	100.7
G2		5.9				68.3				69.8				20.1				142		
H2	5.4	5.4	100.0	87.1	67.5	67.6	99.8	98.4	69.3	69.4	99.8	99.8	20.2	19.3	104.7	103.6	145	162	89.5	102.1
I2	6.6	6.8	100.0	109.7	69.0	69.3	99.6	100.6	69.8	70.0	99.7	100.6	19.8	19.3	102.6	101.5	160	160	100.0	112.7
N2	5.9	5.8	101.7	95.2	68.9	69.3	99.4	100.4	69.1	69.5	99.4	99.6	19.5	19.9	98.0	100.0	140	141	99.3	98.6
M2	5.9	5.9	100.0	95.2	69.3	69.2	100.1	101.0	69.5	69.4	100.1	100.1	20.5	20.6	99.5	105.1	138	140	98.6	97.2
N2	6.9	7.2	95.8	111.3	68.8	69.0	99.7	100.3	69.5	69.5	100.0	100.1	19.3	19.3	100.0	99.0	141	137	102.9	99.3
P2		5.9				67.4				68.8				20.3				140		
D3	6.4	6.3	101.6	103.2	69.1	68.3	100.4	100.7	70.1	69.9	100.3	101.0	19.1	19.3	99.0	97.9	139	140	99.3	97.9
E3	6.8	6.8	100.0	109.7	68.5	68.6	99.8	99.8	69.3	69.4	99.8	99.8	18.2	18.2	100.0	93.3	141	143	98.6	99.3
F3	5.9	6.0	98.3	95.2	68.0	68.2	99.7	99.1	69.4	69.5	99.7	100.0	16.6	17.3	96.0	85.1	139	139	100.0	97.9
N3	6.9	7.0	98.6	111.3	69.1	69.2	99.8	100.7	69.3	69.4	99.8	99.8	20.1	19.5	103.1	103.1	139	138	100.7	97.9
G3	6.4	6.6	97.0	103.2	68.1	68.2	99.8	99.3	69.1	68.9	100.3	99.6	19.2	19.2	100.0	98.5	144	140	102.8	101.4
R3		5.6				68.1				69.8				20.1				147		
U3	6.2	6.2	100.0	100.0	68.4	68.4	100.0	99.7	69.6	69.6	100.0	100.3	19.9	20.5	97.1	102.0	135	136	99.3	95.1
V3	6.1	6.5	93.8	98.4	68.2	68.5	99.6	99.4	69.4	69.4	100.0	100.0	20.5	19.6	104.6	105.1	143	144	99.3	100.7
W3	6.7	6.7	100.0	108.1	68.6	68.5	100.1	100.0	69.4	69.4	100.0	100.0	19.1	19.7	97.0	97.9	130	135	96.3	91.5
Y3	6.8	6.8	100.0	109.7	69.1	69.0	100.1	100.7	69.4	69.3	100.1	100.0	19.3	19.7	98.0	99.0	141	141	100.0	99.3
Z3		6.3				67.6				68.7				21.6				143		
A4	6.0	5.7	105.3	96.9	68.0	68.0	100.0	99.1	69.4	69.5	99.8	100.0	20.5	20.3	101.0	105.1	139	141	98.6	97.9
B4	6.0	5.8	103.4	96.8	67.3	67.8	99.3	98.1	67.9	68.4	99.3	97.8	20.3	20.6	98.5	104.1	150	144	104.2	105.6
J4	6.9	6.8	101.5	111.3	68.8	68.8	100.0	100.3	69.5	69.6	99.8	100.1	19.1	19.0	100.5	97.9	139	143	97.2	97.9
M4		6.5				69.0				69.6				19.4				140		
L4	5.2	4.6	113.0	83.9	68.1	68.5	99.4	99.3	70.0	70.8	98.9	100.9	20.0	20.1	99.5	102.6	143	144	99.3	100.7
P4	5.9	5.9	100.0	95.2	69.7	69.5	100.3	101.6	69.9	69.7	100.3	100.7	19.4	19.3	100.5	99.5	144	138	104.3	101.4
Q4	6.1	6.3	96.8	98.4	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.3	18.3	100.0	93.3	142	145	97.9	100.0
T4	6.5	6.6	98.5	104.8	69.2	69.1	100.1	100.9	69.4	69.3	100.1	100.0	17.9	18.1	98.9	91.8	138	142	97.2	97.2
FKBG DATA																				
CUR. AV.	6.3				68.6				69.4				19.4				141			
CUM. AV.	6.2				68.6				69.4				19.5				142			
IND. *C	101.6				100.0				100.0				99.5				99.3			

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

NOVEMBER, 1983

	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	6.5	6.4	101.6	104.8	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	19.7	19.5	101.0	101.0	139	137	101.4	97.9
B1	6.7	6.2	108.1	108.1	68.5	68.2	100.4	99.8	69.3	69.4	99.9	99.8	19.2	19.2	100.0	98.5	135	139	97.1	95.1
D1	6.3	6.3	100.0	101.6	68.5	68.7	99.7	99.8	69.6	69.8	99.7	100.3	20.5	20.3	101.0	105.1	139	144	95.8	97.2
J1	6.0	5.8	103.4	96.8	69.0	69.2	99.7	100.6	69.6	69.8	99.7	100.3	19.4	19.5	99.5	99.5	141	138	102.2	99.3
K1	6.9	6.2	111.3	111.3	69.5	69.1	100.6	101.3	69.7	69.3	100.6	100.4	20.5	19.8	103.5	105.1	139	140	99.3	97.9
L1	5.8	6.0	96.7	93.5	68.7	69.1	99.4	100.1	68.9	69.3	99.4	99.3					136	141	95.4	95.8
C1		6.6				68.4				69.3				20.8				134		
E2	7.2	7.3	98.6	116.1	68.9	68.7	100.3	100.4	69.4	69.1	100.4	100.0	19.7	18.9	98.9	95.9	138	142	97.2	97.2
G2	5.8	5.8	100.0	93.5	68.1	68.4	99.6	99.3	69.6	69.9	99.7	100.3	21.0	20.2	104.0	107.7	137	142	95.5	95.5
H2	5.5	5.4	101.8	88.7	67.5	67.6	99.8	98.4	69.2	69.4	99.7	99.7	19.4	19.4	100.0	99.5	153	158	96.8	107.7
I2	6.7	6.8	98.5	108.1	69.1	69.3	99.7	100.7	69.9	70.0	99.8	100.7	20.3	19.4	104.6	104.1	158	160	98.3	111.3
K2	5.8	5.8	100.0	93.5	68.0	69.2	98.3	99.1	68.2	69.4	98.3	98.3	19.7	19.8	99.5	101.0	136	141	96.4	95.8
M2	5.9	5.9	98.3	93.5	69.3	69.2	100.1	101.0	69.5	69.4	100.1	100.1	20.2	20.6	98.0	103.6	140	140	100.0	98.6
N2	7.0	7.1	98.6	112.9	68.8	68.9	99.6	100.0	69.2	69.5	99.6	99.7	19.3	19.3	100.0	99.0	138	137	100.7	97.2
P2		5.9				67.4				68.8				20.3				140		
D3	6.6	6.4	103.1	106.4	69.1	68.8	100.4	100.7	70.0	69.9	100.1	100.9	19.2	19.3	99.5	98.5	137	140	97.8	96.5
E3	6.4	6.8	94.1	103.2	68.6	68.6	100.0	100.0	69.6	69.4	100.3	100.3	17.9	18.2	98.4	91.8	146	142	102.8	102.8
F3	6.0	5.9	101.7	96.8	68.0	68.2	99.7	99.1	69.4	69.6	99.7	100.0	16.9	17.2	98.2	86.7	137	139	98.6	96.5
N3	6.9	7.0	98.6	111.3	69.2	69.1	100.1	100.9	69.4	69.3	100.1	100.0	20.5	19.6	104.6	105.1	139	138	100.7	97.9
Q3	6.5	6.6	98.5	104.8	68.2	68.2	100.0	99.4	68.4	68.9	99.3	98.6	19.1	19.2	99.5	97.9	139	140	99.3	97.9
R3		5.6				68.1				69.8				20.1				147		
U3	6.4	6.2	103.2	103.2	68.6	68.4	100.3	100.0	69.6	69.6	100.0	100.3	19.9	20.4	97.5	102.0	136	136	100.0	95.8
V3	6.9	6.4	107.8	111.3	68.7	68.4	100.4	100.1	69.4	69.4	100.0	100.0	20.6	19.6	105.1	105.6	145	144	100.7	102.1
W3	6.9	6.7	103.0	111.3	68.8	68.5	100.4	100.3	69.5	69.4	100.1	100.1	19.7	19.5	101.0	101.0	133	134	99.2	93.7
Y3	6.4	6.8	94.1	103.2	69.1	69.0	100.1	100.7	69.4	69.3	100.1	100.0	18.2	19.7	92.4	93.5	138	141	97.9	97.2
Z3		6.3				67.7				68.7				21.6				147		
A4	7.6	5.7	133.3	122.6	68.0	68.0	100.0	99.1	68.1	69.5	98.0	98.1	20.0	20.3	98.5	102.6	138	141	97.9	97.2
B4	5.9	5.8	101.7	95.2	67.4	67.7	99.6	98.2	68.0	68.3	99.6	98.0	21.1	20.6	102.4	108.2	142	145	97.9	100.0
J4	7.0	6.8	102.9	112.9	68.9	68.8	100.1	100.4	69.5	69.6	99.8	100.1	19.2	19.0	101.0	98.5	139	142	97.9	97.9
M4		6.5				69.0				69.6				19.4				140		
L4	5.1	4.6	110.9	82.2	68.1	68.4	99.6	99.3	70.1	70.8	99.0	101.0	19.7	20.2	97.5	101.0	143	144	99.3	100.7
P4	5.1	6.0	95.0	82.2	69.1	69.5	99.4	100.7	69.3	69.7	99.4	99.8	18.3	19.3	94.8	93.8	152	138	110.1	107.0
Q4	5.8	6.3	92.1	93.5	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.3	18.3	100.0	93.8	146	145	100.7	102.3
I4	6.9	6.6	104.5	111.3	69.2	69.1	100.1	100.9	69.4	69.3	100.1	100.0	17.7	18.0	98.3	90.3	148	141	105.0	104.2
FYBC DATA																				
CUR. AV.	6.4				68.9				69.3				19.4				141			
CUM. AV.	6.2				68.6				69.4				19.5				142			
IND. *C	103.2				100.0				99.8				99.5				99.3			

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

DECEMBER, 1983

	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	6.4	6.4	100.0	103.2	69.2	69.0	100.3	100.9	69.4	69.2	100.3	100.0	19.0	19.5	97.4	97.4	141	137	102.9	99.3
B1	6.3	6.2	101.6	101.6	68.4	68.2	100.3	99.7	69.5	69.4	100.1	100.1	18.8	19.2	97.9	96.4	135	139	97.1	95.1
D1	6.3	6.3	100.0	101.6	68.6	68.7	99.8	100.0	69.7	69.8	99.8	100.4	20.3	20.4	99.5	104.1	134	144	93.0	94.4
J1	5.7	5.9	96.6	91.9	69.1	69.1	100.0	100.7	69.7	69.7	100.0	100.4	20.6	19.4	106.2	105.6	138	140	98.6	97.2
K1		6.3				69.2				69.4				19.9				139		
L1	5.8	6.0	96.7	93.5	69.0	69.1	99.8	100.6	69.2	69.3	99.8	99.7					142	141	100.7	100.0
Q1		6.6				68.4				69.3				20.8				134		
S1	6.5			104.8	69.4			101.2	69.6			100.3	21.2			108.7	157			110.6
E2	7.2	7.3	98.6	116.1	68.9	68.6	100.4	100.4	69.4	69.0	100.6	100.0	18.5	18.6	99.5	94.9	147	142	103.5	103.5
G2	5.5	5.8	94.8	88.7	67.6	68.3	99.0	98.5	69.3	69.8	99.3	99.8	21.4	20.4	104.9	109.7	129	141	91.5	90.8
H2	5.8	5.4	107.4	93.5	67.5	67.6	99.8	98.4	69.0	69.3	99.6	99.4	19.6	19.5	100.5	100.5	163	157	103.8	114.8
I2	6.4	6.7	95.5	103.2	69.4	69.3	100.1	101.2	70.4	70.1	100.4	101.4	21.4	19.5	109.7	109.7	161	158	101.9	113.4
K2	5.8	5.8	100.0	93.5	68.3	68.9	99.1	99.6	68.5	69.1	99.1	98.7	19.4	19.8	98.0	99.5	141	140	100.7	99.3
M2	5.6	5.9	94.9	90.3	69.3	69.2	100.1	101.0	69.5	69.4	100.1	100.1	21.1	20.5	102.9	108.2	148	140	105.7	104.2
N2	6.8	7.1	95.8	109.7	68.6	68.9	99.6	100.0	69.4	69.4	100.0	100.0	19.2	19.3	99.5	98.5	138	137	100.7	97.2
P2		5.9				67.4				68.8				20.3				140		
D3	6.6	6.4	103.1	106.4	67.5	68.9	98.0	98.4	68.4	69.9	97.8	98.6	19.1	19.2	99.5	97.9	138	140	98.6	97.2
E3	6.7	6.7	100.0	108.1	68.4	68.6	99.7	99.7	69.2	69.5	99.6	99.7	17.8	18.1	98.3	91.3	153	142	107.7	107.7
F3	6.0	5.9	101.7	96.8	68.1	68.2	99.8	99.3	69.5	69.6	99.8	100.1	16.9	17.1	98.8	86.7	135	139	97.1	95.1
N3	7.0	7.0	100.0	112.9	69.2	69.2	100.0	100.9	69.4	69.4	100.0	100.0	20.2	19.7	102.5	103.6	138	138	100.0	97.2
Q3	6.5	6.6	98.5	104.8	68.3	68.2	100.1	99.6	69.3	68.9	100.6	99.8	19.3	19.2	100.5	99.0	141	140	100.7	99.3
R3		5.6				68.1				69.8				20.1				147		
U3	6.2	6.2	100.0	100.0	68.5	68.4	100.1	99.8	69.7	69.6	100.1	100.4	20.2	20.3	99.5	103.6	134	136	98.5	94.4
V3	6.5	6.5	100.0	104.8	68.3	68.4	99.8	99.6	69.3	69.4	99.8	99.8	19.6	19.7	99.5	100.5	142	144	98.6	100.0
W3		6.7				68.5				69.4				19.6				134		
Y3	6.3	6.7	94.0	101.6	69.0	69.0	100.0	100.6	69.3	69.3	100.0	99.8	18.5	19.5	94.9	94.9	138	140	98.6	97.2
Z3	6.2	6.3	98.4	100.0	67.7	67.8	99.8	98.7	68.9	68.8	100.1	99.3	21.3	21.6	98.6	109.2	147	147	100.0	103.5
A4	6.1	5.8	105.2	98.4	68.4	68.0	100.5	99.7	69.6	69.4	100.3	100.3	20.6	20.3	101.5	105.6	139	141	98.6	97.9
B4	5.8	5.9	98.3	93.5	67.3	67.7	99.4	98.1	67.9	68.3	99.4	97.8	20.6	20.6	100.0	105.6	146	145	100.7	102.8
J4	6.8	6.8	100.0	109.7	68.9	68.8	100.1	100.4	69.7	69.6	100.1	100.4	19.6	19.0	103.2	100.5	138	142	97.2	97.2
K4		6.5				69.0				69.6				19.4				140		
L4	4.8	4.7	102.1	77.4	67.9	68.4	99.3	99.0	70.1	70.7	99.2	101.0	20.3	20.2	100.5	104.1	143	144	99.3	100.7
P4	5.3	5.9	89.8	85.5	69.0	69.5	99.3	100.6	69.2	69.7	99.3	99.7	19.2	19.2	100.0	98.5	139	139	100.0	97.9
C4	5.8	6.2	93.5	93.5	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	19.9	18.3	108.7	102.0	148	145	102.1	104.2
T4	6.6	6.6	100.0	106.4	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.8	17.8	18.0	98.9	91.3	133	142	93.7	93.7
FKBG DATA																				
CUR. AV.	6.2				68.5				69.3				19.7				142			
CUM. AV.	6.2				68.6				69.4				19.5				142			
IND. *C	100.0				99.8				99.8				101.0				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.

	OCTOBER, 1983				NOVEMBER, 1983				DECEMBER, 1983			
	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												
B1	120.0	124.5	96.4	103.0	123.0	123.0	100.0	105.8	100.0	123.0	81.3	86.0
D1	113.2	114.5	98.9	97.2	119.6	114.4	104.5	102.9	108.4	114.6	94.6	93.3
J1	117.2			100.6	112.1	117.2	95.6	96.5	119.6	114.6	104.4	102.9
K1												
L1	105.0	113.8	92.3	90.1	110.0	112.8	97.5	94.7	115.0	112.4	102.3	99.0
C1												
S1									106.0			91.2
E2	125.0	137.3	91.0	107.3	123.0	134.2	91.6	105.8	126.0	127.5	98.8	108.4
G2		126.2			134.7	125.5	107.3	115.9	128.5	126.9	101.3	110.6
H2	105.0	122.3	85.8	90.1	101.0	120.4	83.9	86.9	110.0	118.3	93.0	94.7
I2	107.0	124.6	85.9	91.8	118.0	123.8	95.3	101.5	118.0	122.5	96.3	101.5
K2	109.0	113.5	96.0	93.6	113.0	112.0	100.9	97.2	112.0	112.2	99.8	96.4
M2	113.0	106.1	106.5	97.0	119.0	107.6	110.6	102.4	107.0	108.8	98.3	92.1
N2												
P2		96.6				96.6				96.6		
D3	160.0	137.7	116.2	137.3	130.0	143.2	90.8	111.9	128.0	140.6	91.0	110.2
E3	95.9	117.3	81.8	82.3	102.9	114.9	89.6	88.6	107.5	113.6	94.6	92.5
F3	109.0	109.6	99.4	93.6	107.0	109.8	97.4	92.1	117.0	109.2	107.1	100.7
N3	121.0	124.9	96.9	103.9	121.0	124.8	97.0	104.1	121.0	125.0	96.8	104.1
G3												
R3		108.0				108.0				108.0		
U3					123.0			105.8	127.0	123.0	103.2	109.3
W3	109.0	113.3	96.2	93.6	110.0	112.4	97.9	94.7	116.0	111.8	103.8	99.8
#3												
Y3												
Z3		118.1				118.2				119.6		
A4	116.0	112.3	103.3	99.6	110.0	112.7	97.6	94.7	118.0	112.4	105.0	101.5
B4	124.0	99.1	125.1	106.4	122.0	101.0	120.8	105.0	125.0	103.3	121.0	107.6
J4												
K4		116.2				116.2				116.9		
L4	124.0	120.0	103.3	106.4	128.0	122.0	104.9	110.2	125.0	124.0	100.8	107.6
P4	128.0	127.4	100.5	105.9	133.0	125.2	106.2	114.4	126.0	124.5	101.2	108.4
S4	112.5	115.2	97.6	96.6	124.4	114.9	108.3	107.0	106.2	115.8	91.7	91.4
T4	99.3	118.2	84.0	85.2	112.1	116.8	96.0	96.5	124.0	117.0	106.0	106.7
FKBG DATA												
CUR. AV.	115.6				118.0				117.0			
CUM. AV.	116.5				116.2				116.2			
IND. *D	99.2				101.5				100.7			

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

OCTOBER, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1	6.8			107.9	89.7			100.1	90.7			99.9	27.9			109.4	174			101.2
H2	5.7	5.5	103.6	90.5	88.4	88.2	100.2	98.7	90.4	90.4	100.0	99.6	27.5	25.2	109.1	107.8	167	186	89.8	97.1
I2	6.8	6.9	98.6	107.9	90.1	90.3	99.8	100.6	91.1	91.2	99.9	100.3	25.5	25.8	98.9	100.0	197	184	107.1	114.5
K2	5.9	5.8	101.7	93.6	89.5	90.3	99.1	99.9	89.8	90.6	99.1	98.9	26.0	26.0	100.0	102.0	175	170	102.9	101.7
M2	5.9	5.8	101.7	93.6	90.1	90.3	99.8	100.6	90.4	90.6	99.8	99.6	26.4	26.8	98.5	103.5	162	166	97.6	94.2
O3	6.7	6.4	104.7	106.3	90.2	89.9	100.3	100.7	91.3	91.3	100.0	100.6	26.1	25.7	101.6	102.4	150	158	94.9	87.2
E3	6.9	6.8	101.5	109.5	89.7	89.6	100.1	100.1	90.6	90.6	100.0	99.8	23.4	23.2	100.9	91.8	177	178	99.4	102.9
F3	5.8	6.0	96.7	92.1	89.2	89.6	99.6	99.6	91.2	91.4	99.8	100.4	23.5	23.3	100.8	92.2	169	166	101.8	98.2
G3	6.5	6.5	100.0	103.2	89.2	89.3	99.9	99.6	90.4	90.5	99.9	99.6	25.1	25.4	98.8	98.4	180	178	101.1	104.6
R3	6.1	5.5	110.9	96.8	89.4	89.4	100.0	99.8	91.0	91.6	99.3	100.2	26.9	27.0	99.6	105.5	173	176	101.1	103.5
U3	5.6	6.0	93.3	88.9	89.2	89.4	99.8	99.6	91.3	91.1	100.2	100.6	26.0	26.9	96.6	102.0	163	163	100.0	94.8
W3	7.0	7.1	98.6	111.1	89.8	89.8	100.0	100.2	90.6	90.5	100.1	99.8	25.4	25.7	98.8	99.6	177	178	99.4	102.9
Y3		7.7				90.0				90.4				26.7				182		
A4		6.2				88.6				90.2				26.7				168		
B4		8.2				89.5				90.3				27.4				174		
L4		4.5				88.7				91.9				26.0				173		
C4		5.1				90.3				90.6				24.1				164		
T4	6.8	6.4	106.2	107.9	90.1	90.2	99.9	100.6	90.4	90.5	99.9	99.6	23.7	24.2	97.9	92.9	163	167	97.6	94.8
FKBG DATA																				
CUR. AV.	6.3				89.6				90.7				25.6				172			
CUM. AV.	6.3				89.6				90.8				25.5				172			
INC. *D	100.0				100.0				99.9				100.4				100.0			

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

NOVEMBER, 1983

	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
D1		6.8				89.7				90.7				27.9				174		
H2	5.6	5.5	101.8	88.9	88.7	88.2	100.6	99.0	90.8	90.4	100.4	100.0	25.0	25.5	98.0	98.0	181	183	98.9	105.2
I2	6.6	6.8	97.0	104.8	90.3	90.3	100.0	100.3	91.5	91.2	100.3	100.3	26.8	25.9	103.5	105.1	184	184	100.0	107.0
K2		5.9				90.0				90.3				26.0				172		
M2	5.8	5.8	100.0	92.1	90.4	90.2	100.2	100.9	90.7	90.6	100.1	99.9	26.2	26.7	98.1	102.7	167	166	100.6	97.1
O3	7.1	6.4	110.9	112.7	90.1	90.0	100.1	100.6	90.8	91.2	99.6	100.0	26.5	25.7	103.1	103.9	154	157	98.1	89.5
E3	6.6	6.8	97.0	104.8	89.5	89.6	99.9	99.9	90.7	90.6	100.1	99.9	23.4	23.2	100.9	91.3	184	178	103.4	107.0
F3	6.1	6.0	101.7	96.8	89.5	89.7	99.8	99.9	91.1	91.5	99.6	100.3	23.5	23.3	100.8	92.2	166	166	100.0	96.5
G3	6.9	6.5	106.2	109.5	88.8	89.3	99.4	99.1	89.1	90.5	98.4	98.1	24.5	25.3	96.8	96.1	180	179	100.6	104.6
R3	6.1	5.6	108.9	96.8	89.5	89.4	100.1	99.9	91.1	91.6	99.4	100.3	27.4	27.0	101.5	107.4	181	176	102.8	105.2
U3	5.9	5.9	100.0	93.6	89.8	89.3	100.6	100.2	91.7	91.2	100.5	101.0	26.7	26.8	99.6	104.7	164	162	101.2	95.3
V3	6.9	7.1	97.2	109.5	89.5	89.8	99.7	99.9	90.4	90.5	99.9	99.6	24.8	25.6	96.9	97.2	172	178	96.6	100.0
Y3	7.2	7.7	93.5	114.3	90.0	90.0	100.0	100.4	90.4	90.4	100.0	99.6	26.3	26.7	98.5	103.1	163	182	89.6	94.8
A4	5.6	6.1	91.8	88.9	88.5	88.6	99.9	98.8	90.6	90.2	100.4	99.8	26.5	26.7	99.2	103.9	165	168	98.2	95.9
B4	8.3	8.2	101.2	131.7	88.2	89.5	98.5	98.4	89.0	90.3	98.6	98.0	26.8	27.4	97.8	105.1	174	174	100.0	101.2
L4		4.5				88.7				91.9				26.0				173		
S4		5.1				90.3				90.6				24.1				164		
T4	6.5	6.4	101.6	103.2	90.2	90.2	100.0	100.7	90.5	90.5	100.0	99.7	24.4	24.1	101.2	95.7	168	166	101.2	97.7
FKBG DATA																				
CUR. AV.	6.5				89.5				90.6				25.6				172			
CUM. AV.	6.3				89.6				90.8				25.5				172			
INC. *D	103.2				99.9				99.8				100.4				100.0			

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

DECEMBER, 1983

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
B1		6.8				89.7				90.7				27.9				174		
H2		5.5				88.2				90.4				25.6				182		
I2	6.6	6.8	97.0	104.8	90.6	90.2	100.4	101.1	91.8	91.3	100.5	101.1	25.6	26.0	98.5	100.4	180	183	98.4	104.6
X2	5.8	5.9	98.3	92.1	88.5	90.0	98.3	98.8	88.8	90.3	98.3	97.8	25.3	26.0	97.3	99.2	165	172	95.9	95.9
M2		5.8				90.3				90.6				26.6				166		
D3	6.6	6.5	101.5	104.8	90.1	89.9	100.2	100.6	91.3	91.2	100.1	100.6		25.8			155	156	99.4	90.1
E3	6.8	6.8	100.0	107.9	89.5	89.6	99.9	99.9	90.5	90.6	99.9	99.7	23.3	23.2	100.4	91.4	192	179	107.3	111.6
F3	6.1	5.9	103.4	96.8	89.2	89.7	99.4	99.6	90.8	91.5	99.2	100.3	23.4	23.4	100.0	91.3	165	166	99.4	95.9
G3		6.5				89.3				90.3				25.2				179		
R3	6.0	5.6	107.1	95.2	89.5	89.4	100.1	99.9	91.3	91.5	99.8	100.6	28.0	27.1	103.3	109.3	162	177	102.8	105.3
U3	6.0	5.8	103.4	95.2	89.2	89.3	99.9	99.6	91.0	91.2	99.8	100.2	25.9	26.8	96.6	101.6	166	163	101.8	96.5
W3	7.0	7.1	98.6	111.1	89.7	89.7	100.0	100.1	90.5	90.4	100.1	99.7	25.2	25.6	98.4	98.2	173	176	98.3	100.5
Y3		7.6				90.0				90.4				26.6				177		
A4	6.6	5.9	111.9	104.8	89.5	88.4	101.2	99.9	90.7	90.2	100.6	99.9	26.3	26.7	98.5	103.1	166	168	98.8	96.5
B4		8.2				89.4				90.2				27.2				174		
L4		4.5				88.7				91.9				26.0				173		
C4	5.5	5.1	107.8	87.3	89.4	90.3	99.0	99.8	89.7	90.6	99.0	98.8	24.3	24.1	100.8	95.3	177	164	107.9	102.9
T4	6.4	6.4	100.0	101.6	90.1	90.2	99.9	100.6	90.4	90.5	99.9	99.6	23.8	24.1	98.8	93.3	157	166	100.6	97.1
FMBC DATA																				
CUR. AV.	6.3				89.6				90.6				25.1				172			
CUM. AV.	6.3				89.6				90.8				25.5				172			
IND. *C	100.0				100.0				99.8				98.4				100.0			

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.

	OCTOBER, 1983				NOVEMBER, 1983				DECEMBER, 1983			
	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
D1	168.7			112.7		168.7				158.7		
H2	143.0	152.0	94.1	95.5	142.0	150.5	94.4	94.8		149.1		
I2	149.0	155.2	96.0	99.5	137.0	155.8	87.9	91.5	143.0	151.4	94.4	95.6
K2	148.0	148.5	99.7	98.9		148.3			138.0	148.3	93.0	92.2
M2	140.0	136.4	102.6	93.5	151.0	137.0	110.2	100.9		138.8		
O3	134.0	181.0	101.6	122.9	160.0	181.8	88.0	106.9	156.0	180.5	86.4	104.3
E3	133.2	159.2	83.7	89.0	137.4	156.4	87.8	91.8	148.0	154.6	95.7	98.9
F3	164.0	154.8	105.9	109.6	167.0	155.4	107.5	111.6	166.0	155.1	107.0	111.0
G3												
R3	147.0	164.0	89.6	98.2	157.0	155.5	101.0	104.9	170.0	156.0	109.0	113.6
U3					176.0			117.6	151.0	176.0	85.8	100.9
V3	131.0	137.8	95.1	87.5	141.0	137.2	102.8	94.2	146.0	136.2	107.2	97.6
Y3												
A4		141.2			152.0	141.2	107.6	101.5		143.4		
B4		116.0			154.0	116.0	132.8	102.9		124.6		
L4												
Q4		160.5				160.5			164.3	160.5	102.4	109.8
T4	158.1	153.7	102.9	105.6	156.3	152.7	102.4	104.4	155.3	153.3	101.3	103.8
FKBG DATA												
CUR. AV.	151.4				152.6				153.8			
CUM. AV.	149.7				149.7				149.6			
IND. *C	101.1				101.9				102.8			

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

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

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

TABLE XXV

DATA ON CONDITIONING AND TESTING ENVIRONMENTS

OCTOBER, NOVEMBER, DECEMBER, 1983

	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: 73 ± 2°F; 50 ± 2% RH
B1	No	--	--	--	No
D1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
I1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
J1	No	--	--	--	No
K1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
L1	No	--	--	--	No
Q1	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
R1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
S1	Yes	15 min	--	--	Yes: 73 ± 3.5°F; 50 ± 3% RH
U1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
B2	Yes	10 min	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
D2	No	--	--	--	Yes: 73°F; 50% RH
E2	No	--	--	--	Yes: 73°F; 50% RH
F2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
G2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
H2	No	--	--	--	Yes: 73°F; 50% RH
I2	No	--	--	--	Yes: 73°F; 50% RH
J2	No data was submitted for this quarter				
K2	No	--	--	--	No
L2	No	--	--	--	No
M2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
N2	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
P2	Yes	20 min	--	--	Yes: 72 ± 3-5°F; 50 ± 2% RH
V2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 1% RH
X2	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
C3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
D3	No	--	--	--	No
E3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
F3	Yes	10 min	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
I3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
N3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Q3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
R3	Yes	10 min	72	50	Yes: 72 ± 4°F; 50 ± 5% RH
S3	No	--	--	--	No
U3	Yes	10 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
V3	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
W3	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
X3	Yes	10 min	72	50	Yes: 72 ± 4°F; 50 ± 5% RH
Y3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
Z3	Yes	15 min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
A4	Yes	--	73	50	Yes: 73 ± 2°F; 50 ± 2% RH
B4	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
J4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
K4	No data was submitted for this quarter				
L4	Yes	10 min	72	50	Yes: 72 ± 4°F; 50 ± 5% RH
M4	No data was submitted for this quarter				
P4	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
Q4	No	--	--	--	No
R4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
S4	Yes	10 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
T4	Yes	7 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
U4	No	--	--	--	Yes: 73 ± 3°F; 50 ± 1% 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

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

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

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

---

[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.