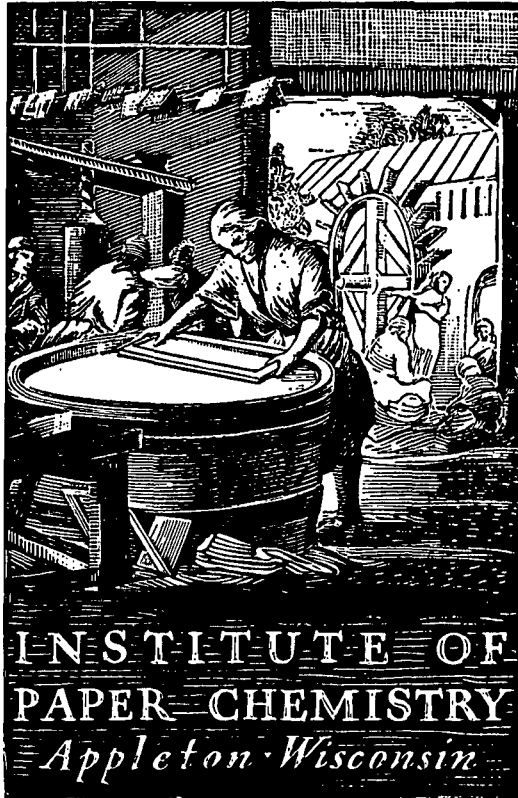


**BASE-LINE**  
Second Half, 1986



**CONTINUOUS BASE-LINE STUDY (MODIFIED)  
(MILL LINERBOARD DATA FOR  
JUL-AUG, SEP-OCT, NOV-DEC, 1986)**

**Project 2694-1**

**Report One Hundred  
A Progress Report  
to**

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

**March 1, 1987**

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March 1, 1987

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AMERICAN PAPER INSTITUTE  
OF THE  
FOURDRINIER KRAFT BOARD GROUP  
to  
A Progress Report  
Report One-Hundred

Project 2694-1  
CONTINUOUS BASE-LINE STUDY (MODIFIED)  
(MILL LINERBOARD DATA FOR JUL-AUG, SEP-OCT, NOV-DEC, 1986)

Appleton, Wisconsin  
THE INSTITUTE OF PAPER CHEMISTRY

BASE-LINE  
2nd HALF, 1986

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PART I: SUMMARY OF MOISTURE CONTENT DATA  
(MAY-DEC, 1986)

Linerboard Grade Wt.	Moisture Content				
	MAY-JUN	JUL-AUG	SEP-OCT	NOV-DEC	
26 Lb	Max.	6.9	6.5	6.6	7.0
	Min.	3.5	3.2	3.5	3.6
	Ave.	5.5(20)	5.2(19)	5.3(17)	5.3(19)
33 Lb	Max.	6.5	6.5	6.6	6.6
	Min.	4.5	4.5	4.4	3.5
	Ave.	5.5(29)	5.6(29)	5.5(26)	5.5(26)
38 Lb	Max.	6.7	6.8	6.4	6.5
	Min.	5.3	5.5	4.9	5.0
	Ave.	5.9(22)	5.9(19)	5.7(20)	5.8(21)
42 Lb	Max.	6.8	6.8	6.7	6.5
	Min.	5.0	4.7	5.1	5.0
	Ave.	5.9(39)	5.8(41)	5.8(41)	5.9(39)
69 Lb	Max.	7.0	6.9	7.1	7.2
	Min.	5.4	5.3	5.4	5.5
	Ave.	6.4(28)	6.3(30)	6.3(29)	6.4(27)
90 Lb	Max.	8.5	8.3	7.8	8.5
	Min.	5.7	5.6	5.7	5.8
	Ave.	6.7(12)	6.6(14)	6.7(12)	6.6(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.

SUMMARY

CONTINUOUS BASE-LINE STUDY (MODIFIED)  
 (MILL LINERBOARD DATA FOR JUL-AUG, SEP-OCT, NOV-DEC, 1986)

Appleton, Wisconsin  
 THE INSTITUTE OF PAPER CHEMISTRY

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA  
(MAY-DEC, 1986)

Linerboard Grade Mt.	Adjusted Basis Weight, lb/M sq ft				
	MAY-JUN	JUL-AUG	SEP-OCT	NOV-DEC	
26 Lb	Max.	27.4	27.5	26.9	27.1
	Min.	25.7	25.6	25.7	25.8
	Ave.	26.4(20)	26.4(19)	26.3(17)	26.3(19)
33 Lb	Max.	34.0	33.9	33.8	34.4
	Min.	32.6	32.6	32.6	32.6
	Ave.	33.3(29)	33.2(29)	33.2(26)	33.3(26)
38 Lb	Max.	41.2	40.9	40.5	41.3
	Min.	37.7	38.0	38.1	38.1
	Ave.	38.4(22)	38.6(19)	38.4(20)	38.5(21)
42 Lb	Max.	43.0	43.0	43.0	42.9
	Min.	41.6	41.6	41.6	41.5
	Ave.	42.2(39)	42.2(41)	42.2(41)	42.2(39)
69 Lb	Max.	70.5	70.4	70.3	69.8
	Min.	68.1	68.2	68.2	67.9
	Ave.	69.3(28)	69.4(30)	69.4(29)	69.2(27)
90 Lb	Max.	90.8	91.1	91.0	90.8
	Min.	88.8	90.0	89.8	89.8
	Ave.	90.3(12)	90.5(14)	90.4(12)	90.3(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  
(MAY-DEC, 1986)**

Linerboard Grade Wt.		Caliper, pt.			
		MAY-JUN	JUL-AUG	SEP-OCT	NOV-DEC
26 Lb	Max.	8.5	8.4	8.3	8.7
	Min.	7.0	7.0	6.9	7.4
	Ave.	7.8(20)	7.8(19)	7.7(17)	8.0(19)
33 Lb	Max.	10.5	11.0	10.6	10.8
	Min.	8.7	8.9	8.8	9.0
	Ave.	9.7(28)	9.6(28)	9.7(25)	9.7(25)
38 Lb	Max.	11.7	11.9	11.6	11.9
	Min.	9.1	9.5	9.3	9.7
	Ave.	10.8(21)	10.8(18)	10.8(19)	10.8(20)
42 Lb	Max.	12.9	12.8	12.6	12.9
	Min.	10.5	10.5	10.4	10.8
	Ave.	11.7(38)	11.8(40)	11.8(40)	11.8(38)
69 Lb	Max.	21.2	20.3	22.1	20.7
	Min.	17.4	17.6	18.0	17.8
	Ave.	19.2(27)	19.2(29)	19.4(28)	19.4(26)
90 Lb	Max.	26.8	27.5	27.3	26.7
	Min.	23.2	23.3	23.5	23.5
	Ave.	25.2(12)	25.1(14)	25.0(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  
(MAY-DEC, 1986)**

Linerboard Grade Wt.	Bursting Strength, psig				
	MAY-JUN	JUL-AUG	SEP-OCT	NOV-DEC	
26 Lb	Max.	82	84	83	81
	Min.	65	65	66	64
	Ave.	72(20)	73(19)	73(17)	72(19)
33 Lb	Max.	105	103	102	99
	Min.	79	78	80	78
	Ave.	87(29)	88(29)	88(26)	87(26)
38 Lb	Max.	109	109	108	107
	Min.	92	85	90	90
	Ave.	100(22)	98(19)	99(20)	99(21)
42 Lb	Max.	122	118	121	126
	Min.	98	98	97	98
	Ave.	107(39)	106(41)	106(41)	106(39)
69 Lb	Max.	178	158	171	174
	Min.	135	133	133	136
	Ave.	144(28)	142(30)	144(29)	145(27)
90 Lb	Max.	201	187	194	192
	Min.	155	151	158	158
	Ave.	173(12)	169(14)	173(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.

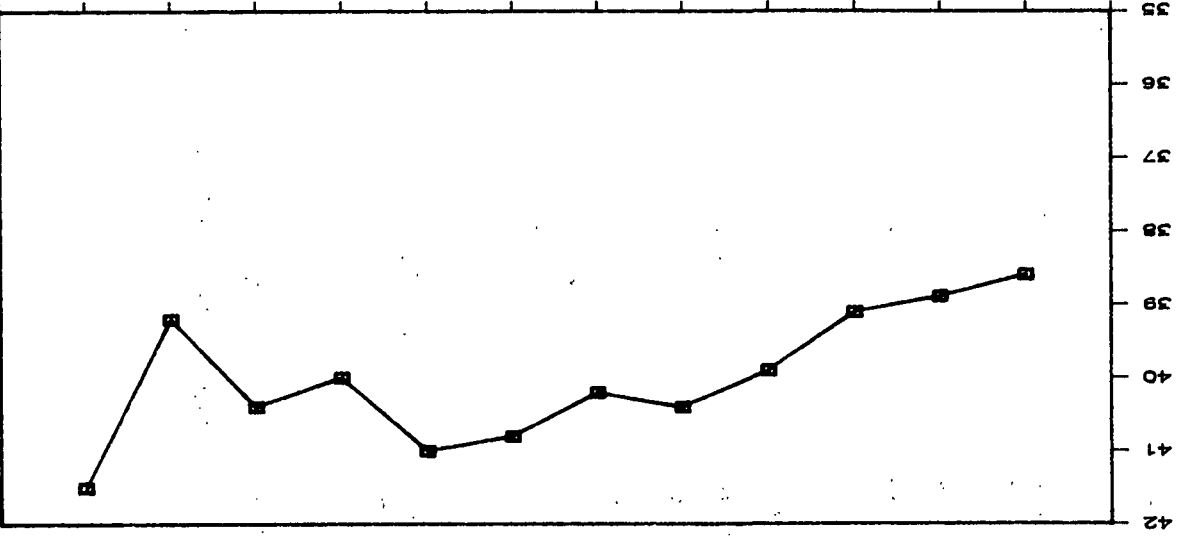
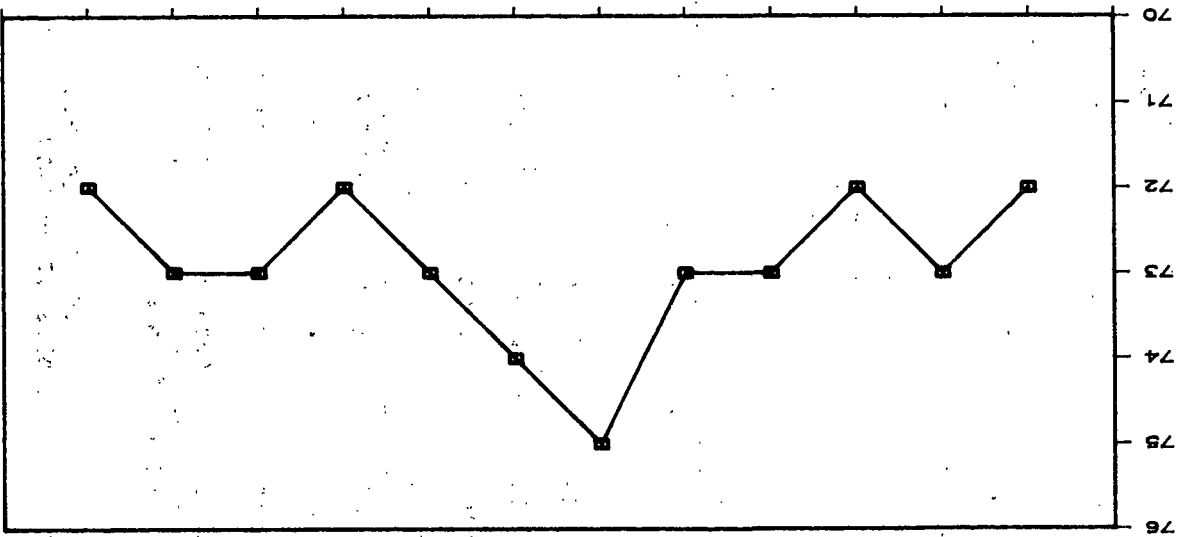
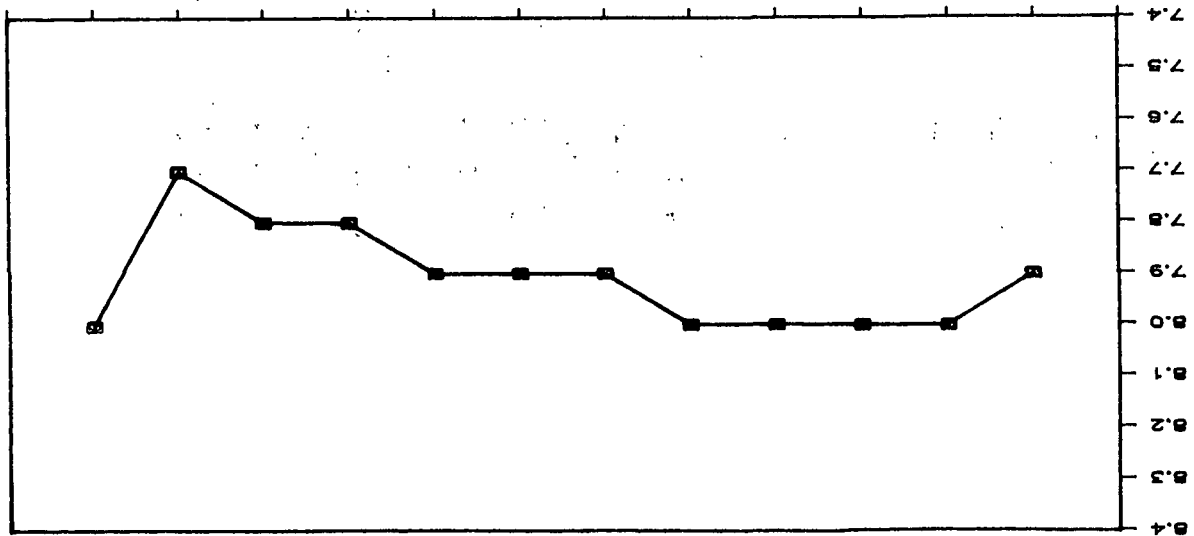
PART V: SUMMARY OF CD RING CRUSH DATA  
(MAY-DEC, 1986)

Linerboard Grade Wt.	CD Ring Crush, lb				
	MAY-JUN	JUL-AUG	SEP-OCT	NOV-DEC	
26 Lb	Max.	51.0	52.7	51.2	55.0
	Min.	34.0	32.0	30.0	33.0
	Ave.	40.0(12)	40.4(12)	39.2(10)	41.5(13)
33 Lb	Max.	73.0	70.7	68.6	78.0
	Min.	45.0	45.0	45.0	46.0
	Ave.	56.7(18)	56.4(19)	55.8(16)	56.9(17)
38 Lb	Max.	94.5	82.0	82.0	79.1
	Min.	43.0	52.5	56.3	55.0
	Ave.	68.9(17)	69.6(14)	70.9(12)	67.8(14)
42 Lb	Max.	92.4	96.0	104.0	95.0
	Min.	58.0	62.0	65.0	55.0
	Ave.	75.0(29)	75.4(32)	76.5(28)	76.2(29)
69 Lb	Max.	146.1	145.9	144.5	141.8
	Min.	96.0	105.0	107.0	98.0
	Ave.	119.8(20)	120.3(21)	120.2(20)	119.0(19)
90 Lb	Max.	181.4	187.2	184.9	186.8
	Min.	127.0	119.0	138.0	118.0
	Ave.	151.3(10)	149.1(10)	154.8( 7)	151.7( 8)

Max. and Min. values are current machine averages.

Ave. value is current F.K.B.G. average, number of machines is indicated in parentheses.

TWO-YEAR TREND PLOTS FOR 26-LB LINER



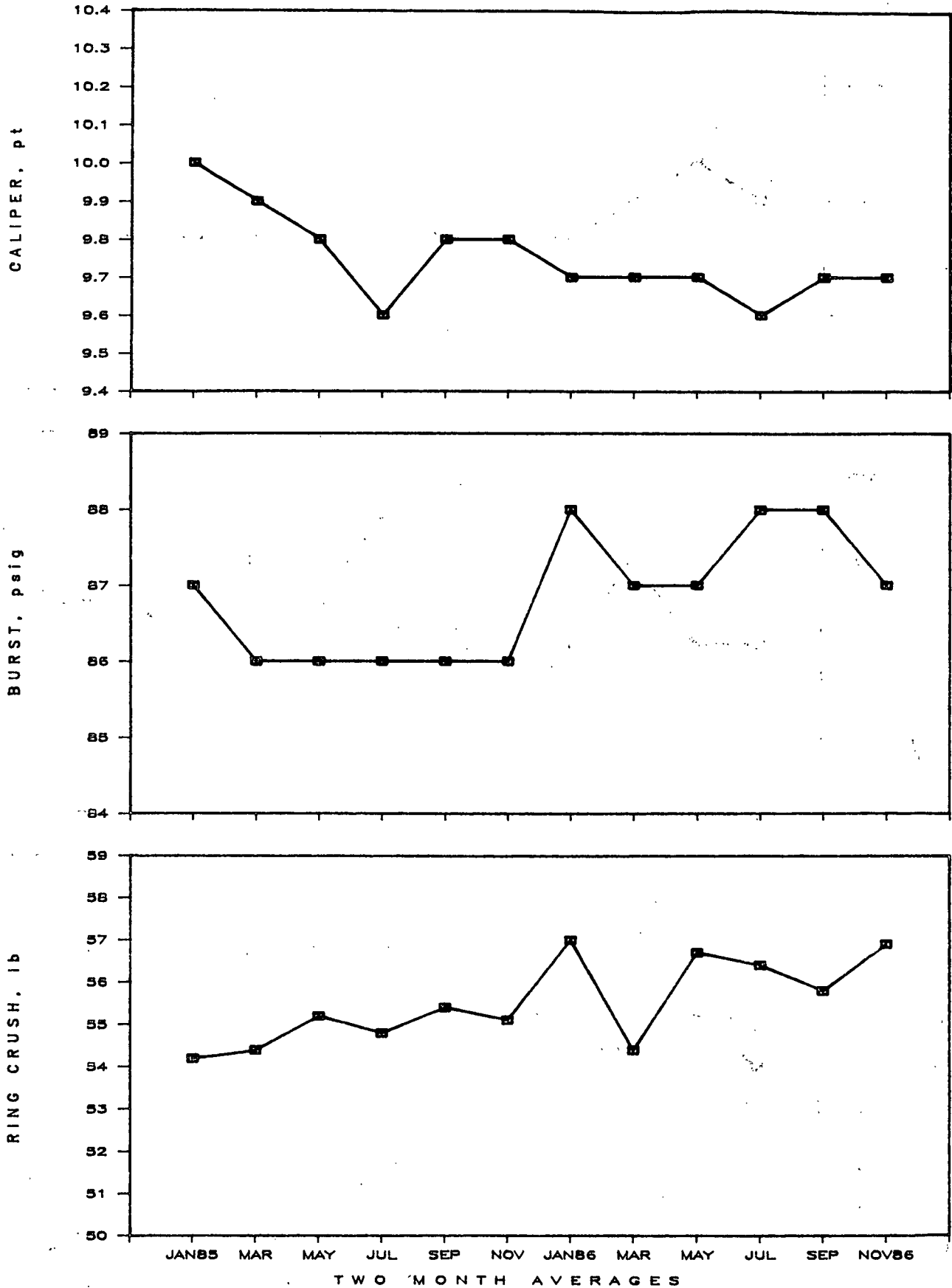
RING CRUSH, lb

BURST, psig

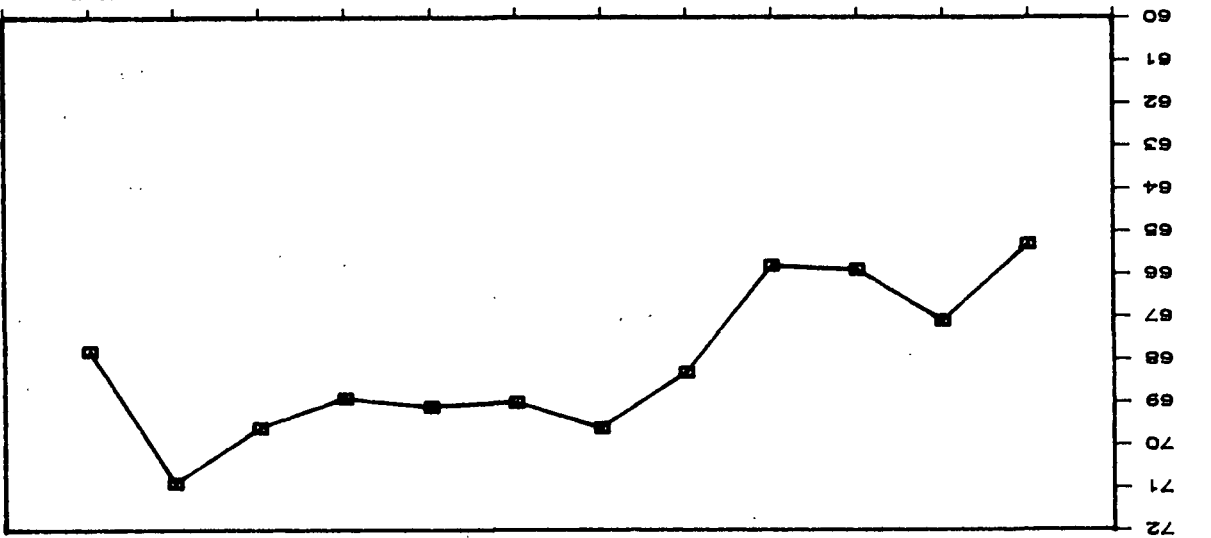
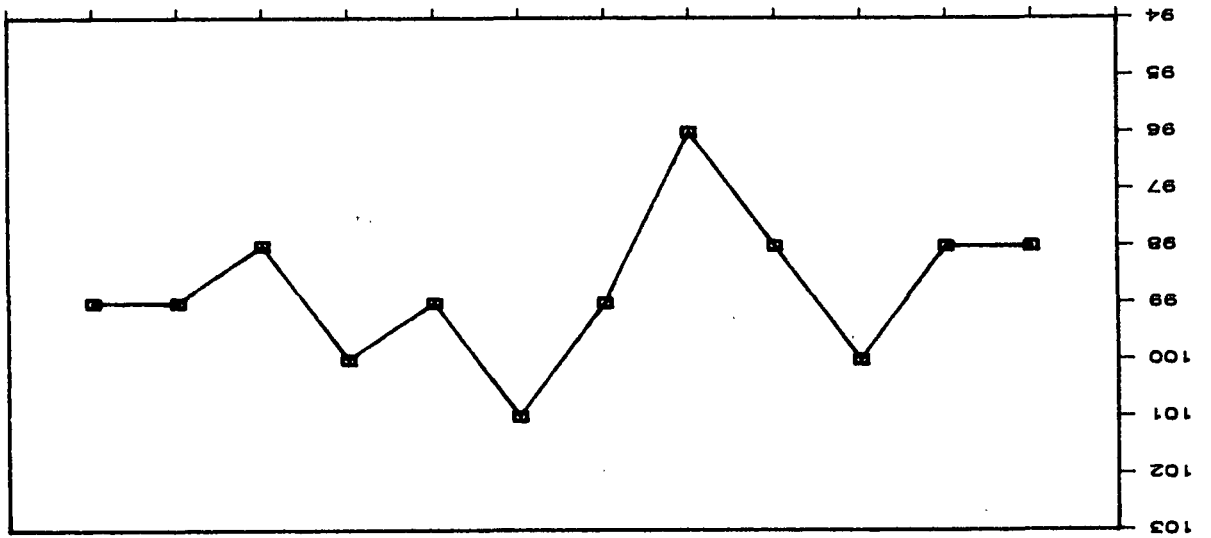
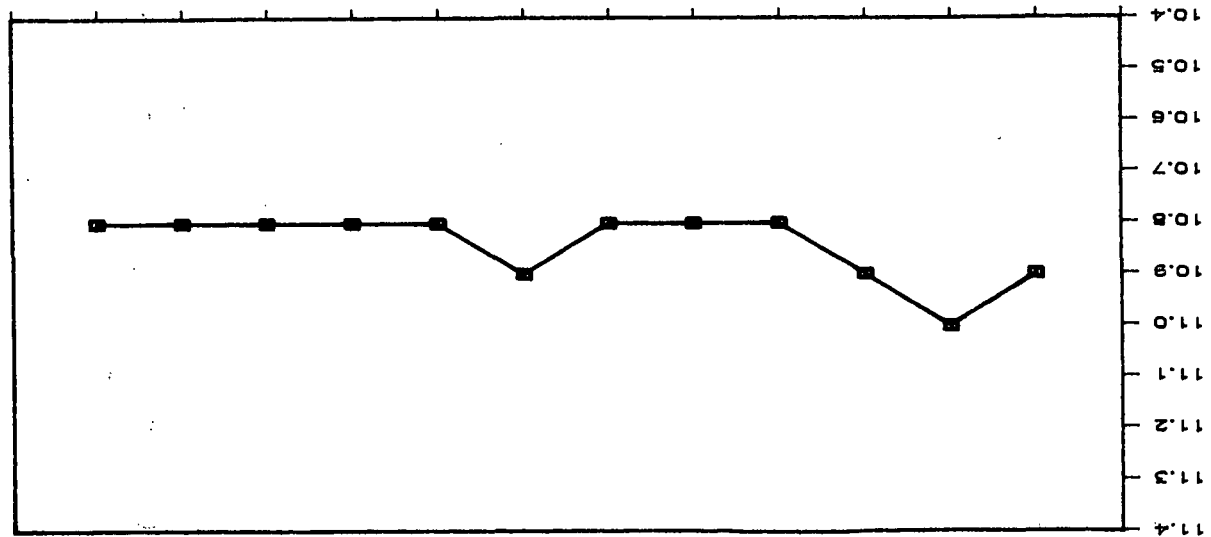
CALIPER, pt

JAN66 MAR MAY JUL SEP NOV JAN66 MAR MAY JUL SEP NOV66  
TWO MONTH AVERAGES

TWO-YEAR TREND PLOTS FOR 33-LB LINER



TWO-YEAR TREND PLOTS FOR 38-LB LINER



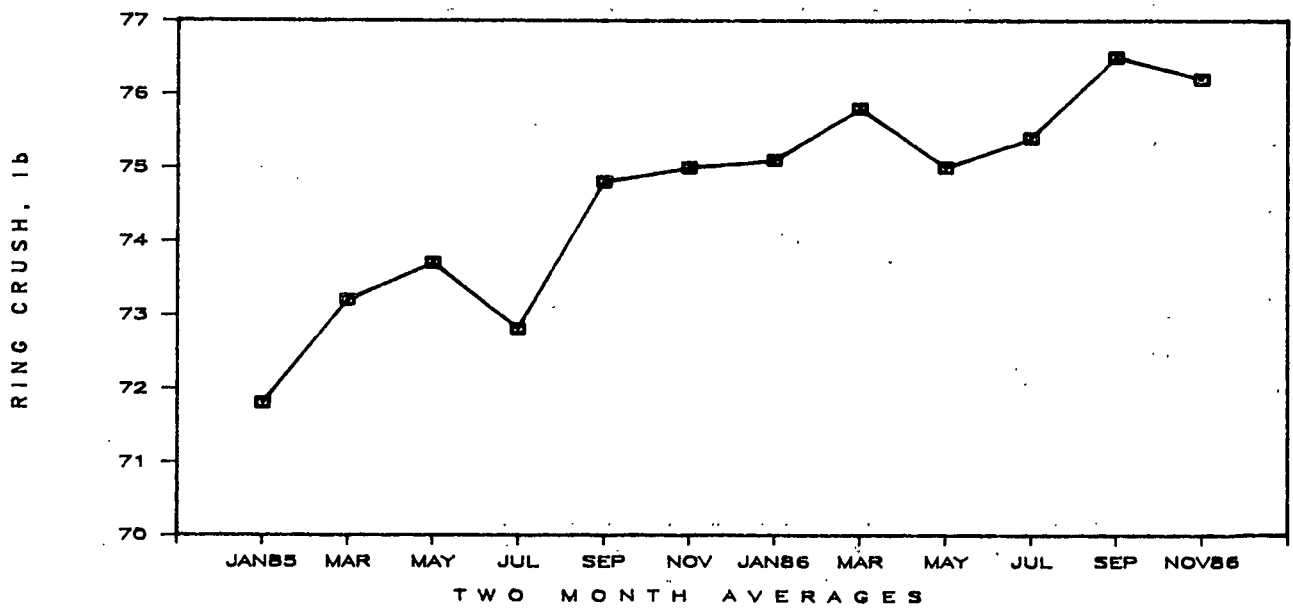
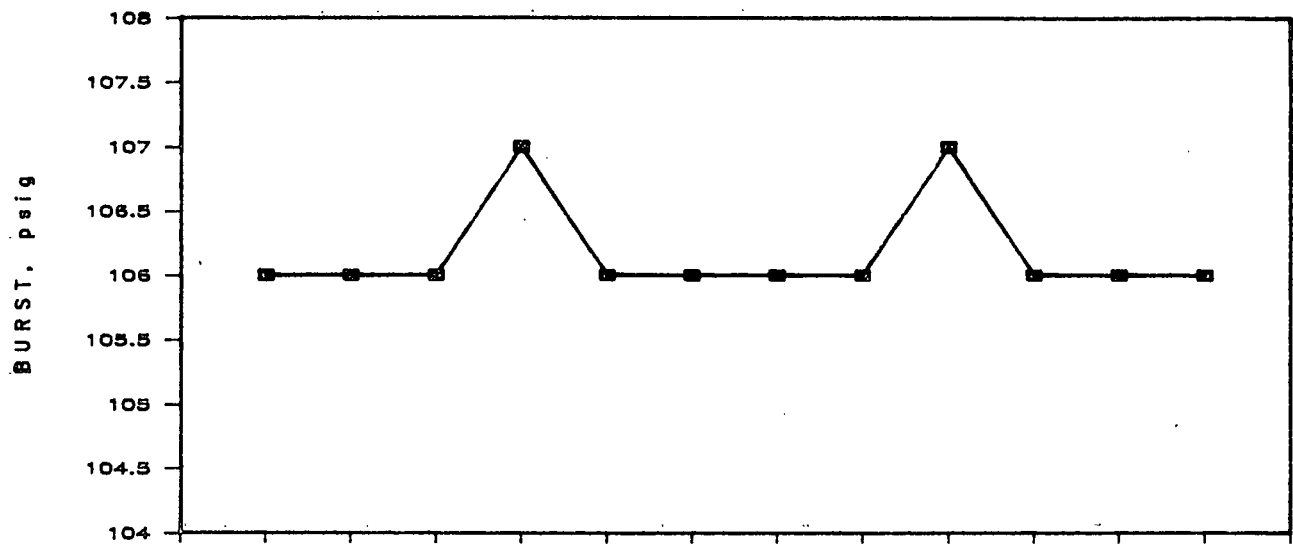
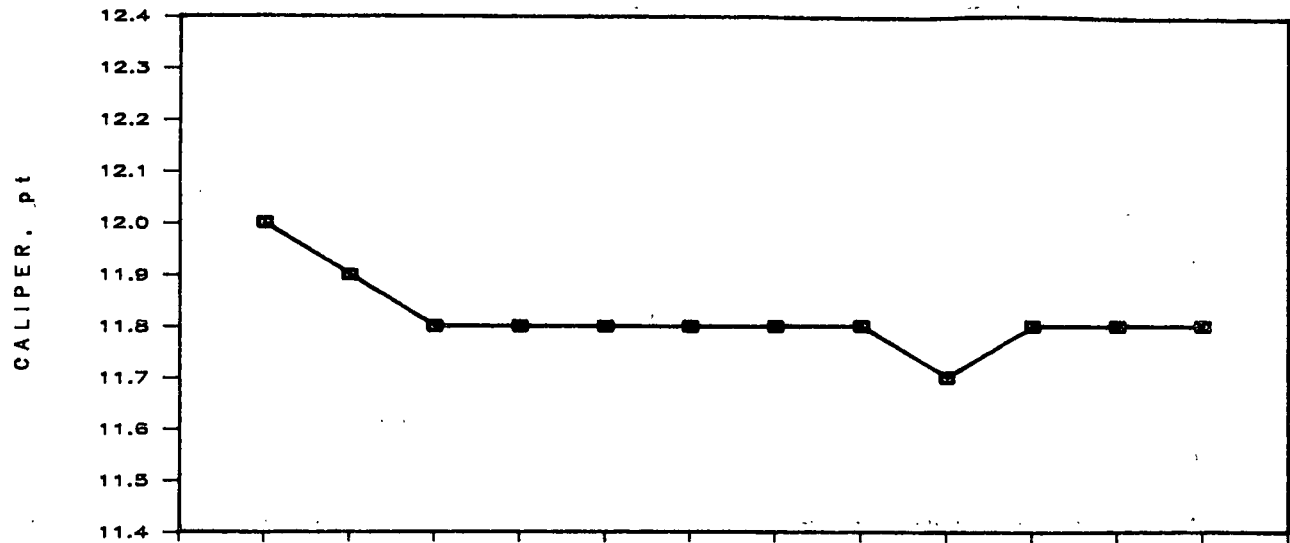
RING CRUSH, lb

BURST, psig

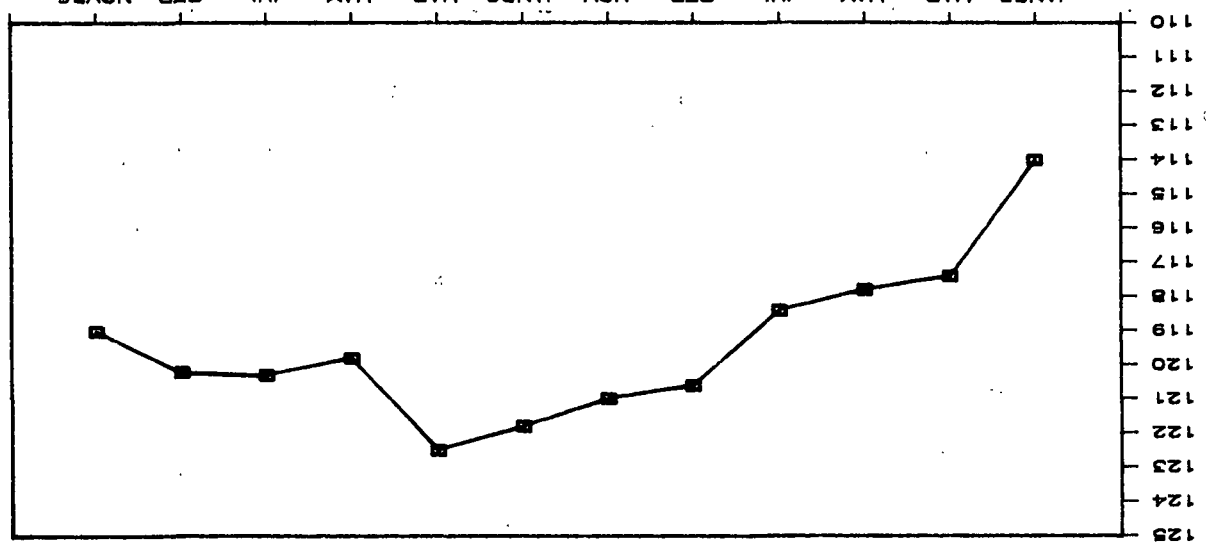
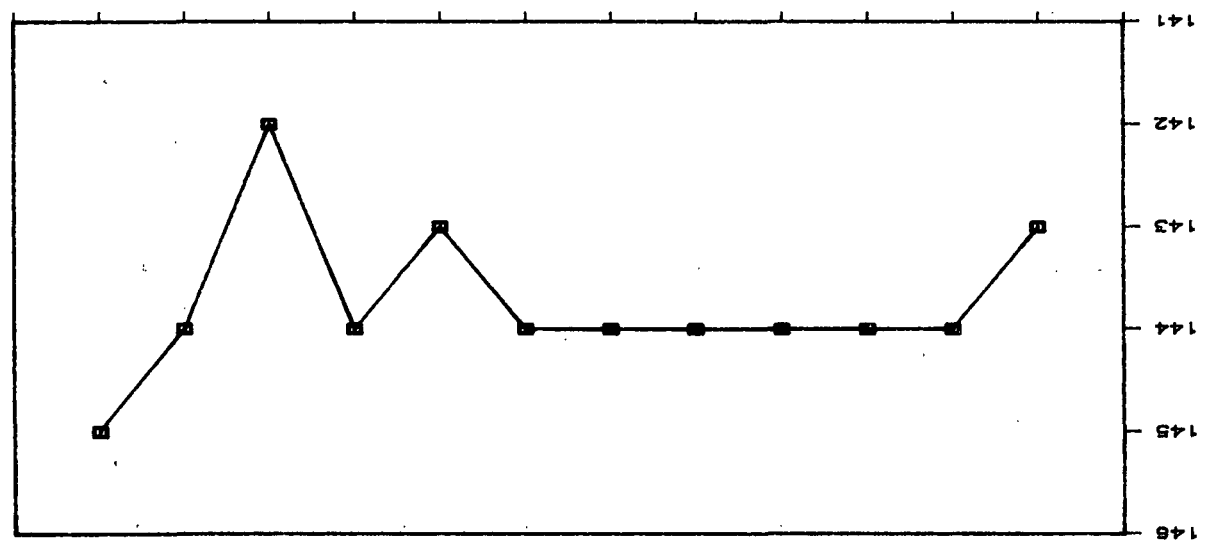
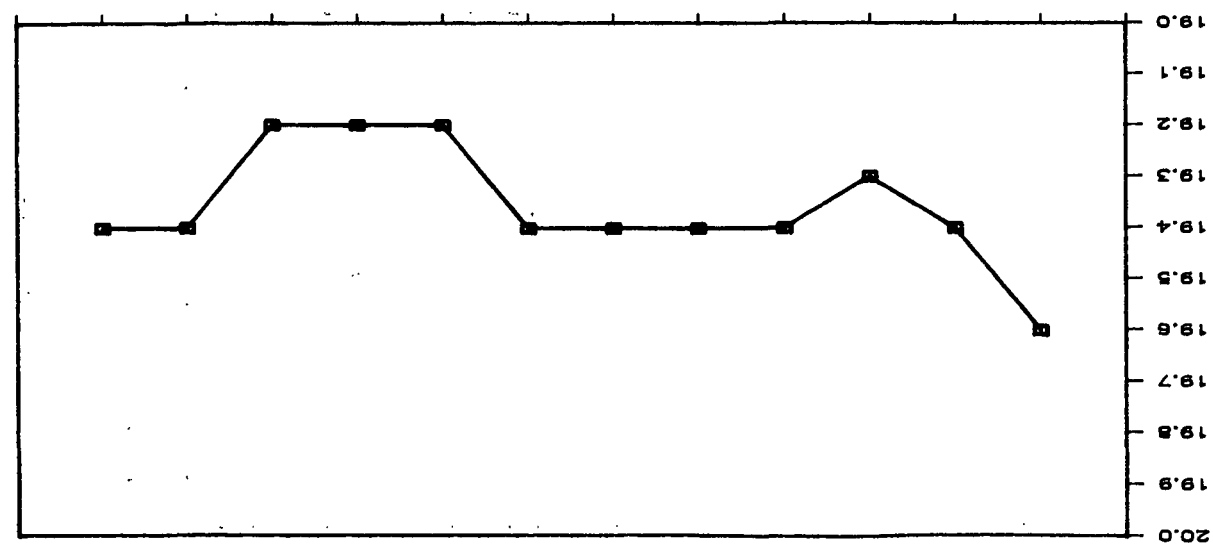
CALIPER, pt

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC  
TWO MONTH AVERAGES

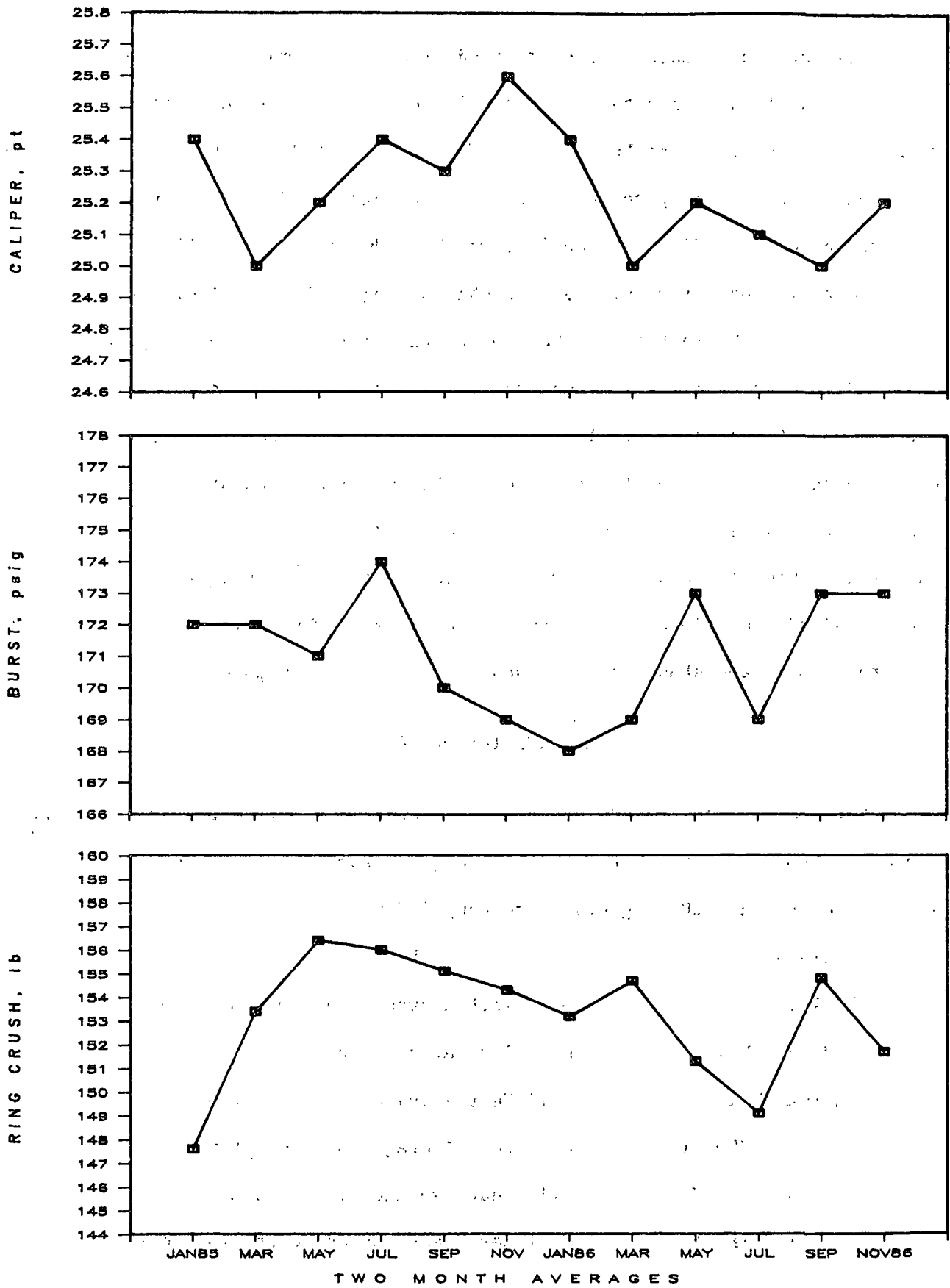
TWO-YEAR TREND PLOTS FOR 42-LB LINER



TWO-YEAR TREND PLOTS FOR 69-LB LINER



TWO-YEAR TREND PLOTS FOR 90-LB LINER



## INTRODUCTION

The continuous base-line study (modified) is a compilation of bimonthly 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 period: 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  
 JUL-AUG, 1986

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., <sup>00A</sup> 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
E1	5.3	5.2	101.9	100.0	26.0	26.0	100.0	100.0	26.7	26.7	100.0	101.1	8.4	8.1	103.7	106.3	84	82	102.4	115.1
M1	5.0	5.0	100.0	94.3	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.9	7.8	7.9	98.7	98.7	70	70	100.0	95.9
M1		6.2				25.9				26.0					7.0				65	
P1	5.9	5.9	100.0	111.3	25.9	26.0	99.6	99.6	26.0	26.1	99.6	98.5	7.7	7.7	100.0	97.5	83	79	105.1	113.7
R1	4.5	4.8	93.8	84.9	25.8	26.0	99.2	99.2	26.7	26.9	99.2	101.1	8.1	7.6	106.6	102.5	67	74	90.5	91.8
S1	5.9	5.2	113.5	111.3	25.1	25.4	98.2	96.5	25.6	26.1	98.1	97.0	7.6	8.1	93.8	96.2	73	80	91.2	100.0
U1	5.4	5.4	100.0	101.9	25.8	25.8	100.0	99.2	26.0	26.0	100.0	98.5	8.3	8.3	100.0	105.1	68	71	95.8	93.2
M1	6.2	6.1	101.6	117.0	26.3	26.4	99.6	101.2	26.4	26.4	100.0	100.0	7.8	8.1	96.3	98.7	76	76	100.0	104.1
Z1		5.3				26.9				27.6					8.2					
A2	3.6	3.8	94.7	67.9	25.9	26.0	99.6	99.6	27.1	27.1	100.0	102.6	7.3	7.3	100.0	92.4	75	77	97.4	102.7
P2	5.7	5.6	101.8	107.5	25.9	25.8	100.4	99.6	26.5	26.4	100.4	100.4	7.0	7.1	98.6	88.6	72	70	102.8	98.6
U2	5.7	5.8	98.3	107.5	26.4	26.2	100.0	101.5	27.0	26.8	100.7	102.3	7.7	7.7	100.0	97.5	80	72	111.1	109.6
G3		5.1				25.9				26.0					7.0				68	
I3	5.5	5.8	94.8	103.8	26.3	26.2	100.4	101.2	26.4	26.3	100.4	100.0	8.3	8.0	103.8	105.1	73	70	104.3	100.0
L3	4.8	4.7	102.1	90.6	25.4	25.7	98.8	97.7	26.2	26.5	98.9	99.2	7.4	7.5	98.7	93.7	72	72	100.0	98.6
H3	4.0			75.5		25.1		96.5		26.1		98.9		7.8		98.7		71		97.3
P3	5.1	5.5	92.7	96.2	26.7	27.0	98.9	102.7	27.5	27.6	99.6	104.2	7.8	7.6	102.6	98.7	67	68	98.5	91.8
T3		6.2				25.7				26.1					8.1				70	
E4	5.1	4.9	104.1	96.2	26.1	26.1	100.0	100.4	26.2	26.2	100.0	99.2	7.8	7.9	98.7	98.7	71	68	104.4	97.3
K4		4.7				25.3				26.1					8.3				77	
L4	6.5	6.7	97.0	122.6	25.9	25.9	100.0	99.6	26.0	26.0	100.0	98.5	7.6	7.7	98.7	96.2	65	66	98.5	89.0
M4	5.0	4.9	102.0	94.3	26.0	25.9	100.4	100.0	26.1	26.0	100.4	98.9	8.0	8.0	100.0	101.3	68	71	95.8	93.2
Q4	5.8	5.7	101.8	109.4	26.0	26.0	100.0	100.0	26.6	26.6	100.0	100.8	7.9	7.9	100.0	100.6	76	74	102.7	104.1
T4	3.2	3.5	91.4	60.4	25.2	25.7	98.0	96.9	26.5	26.9	98.5	100.4	8.0	8.5	94.1	101.3	70	72	97.2	95.9
FKBG DATA																				
CUR.																				
AV.	5.2																			
CUM.																				
AV.	5.3																			
IND.																				
#D	98.1																			
99.6																				
100.0																				
98.7																				
100.0																				

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

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

SEP-OCT, 1986

TABLE II

CODE	MOISTURE CONTENT		BASIS WT., LB / M SQ FT		ADJ. BASIS WT., LB / M SQ FT		CALIPER, PT		BURSTING STRENGTH, P S I G	
	AV. %	IND. %	AV. %	IND. %	AV. %	IND. %	AV. %	IND. %	AV. %	IND. %
E1	5.1	96.2	26.0	26.0	100.0	100.0	26.7	100.4	101.5	83
H1	5.0	100.0	26.0	26.0	100.0	100.0	26.1	100.0	98.9	72
M1	5.0	94.3	26.0	26.0	100.0	100.0	26.1	100.0	98.9	71
P1	6.2	117.0	25.9	25.9	100.0	99.6	26.0	100.0	98.5	65
R1	5.6	94.9	26.0	26.0	100.0	100.0	26.1	100.0	98.9	82
S1	5.9	109.2	25.2	25.3	99.6	96.9	25.7	26.0	97.3	80
U1	5.5	101.8	25.7	25.8	99.6	98.8	25.9	26.0	99.6	70
W1	6.0	98.4	26.3	26.4	99.6	101.2	26.4	26.4	100.0	76
Z1	5.3	113.2	25.8	26.0	99.2	99.2	26.4	101.5	98.5	78
A2	4.1	105.1	25.8	26.0	99.2	99.2	26.4	101.5	98.5	77
P2	5.9	101.7	26.3	26.3	100.0	101.2	26.9	26.8	100.4	73
U2	5.8	109.4	26.4	26.4	100.0	101.5	26.5	26.3	100.8	72
L3	4.8	98.0	25.3	25.6	98.8	97.3	26.1	26.4	99.9	70
M3	3.5	87.5	25.3	25.1	100.0	97.3	26.5	26.1	101.5	70
P3	5.1	94.4	26.1	26.9	97.0	100.4	26.8	27.6	97.1	66
L3	4.0	87.5	25.3	25.1	100.0	97.3	26.5	26.1	101.5	71
E4	4.9	100.0	26.1	26.1	100.0	100.4	26.2	26.2	100.0	68
N4	4.6	98.0	25.7	25.9	99.2	98.8	25.8	26.0	99.2	78
L4	6.6	100.0	25.7	25.9	99.2	98.8	25.8	26.0	99.2	66
M4	4.9	98.0	26.0	26.0	100.0	100.0	26.1	26.0	100.4	73
O4	5.6	98.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	74
I4	3.4	105.7	26.0	26.0	100.0	100.0	26.1	26.0	100.0	71
AV. %	5.3	124.5	25.7	25.9	99.2	98.8	25.8	26.0	99.2	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	97.5	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
CUM. IND.	5.3	94.9	26.0	26.0	100.0	100.0	26.1	26.0	100.0	73
AV. %	5.3	96.2	26.0	26.0	100.0	100.0	26.1	26.		

TABLE III  
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD  
 NOV-DEC, 1986

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
E1	5.1	5.2	98.1	96.2	26.1	26.0	100.4	100.8	26.9	26.7	100.7	101.9	8.7	8.1	107.4	111.5	75	84	89.3	102.7
H1	5.0	5.0	100.0	94.3	26.0	26.0	100.0	100.4	26.1	26.1	100.0	98.9	7.9	8.0	98.8	101.3	68	71	95.8	93.2
M1		6.2				25.9				26.0				7.0				66		
P1	6.0	5.9	101.7	113.2	25.9	26.0	99.6	100.0	26.0	26.1	99.6	98.5	7.8	7.8	100.0	100.0	80	81	98.8	109.6
R1	4.3	4.7	91.5	81.1	25.9	25.8	100.4	100.0	26.9	26.7	100.7	101.9	7.9	7.7	102.6	101.3	70	72	97.2	95.9
S1	5.3	5.5	96.4	100.0	25.1	25.3	99.2	96.9	25.8	25.9	99.6	97.7	7.5	7.9	94.9	96.2	77	79	97.5	105.5
U1	5.4	5.5	98.2	101.9	25.7	25.8	99.6	99.2	25.9	26.0	99.6	98.1	8.2	8.3	98.8	105.1	66	70	94.3	90.4
W1	6.1	6.0	101.7	115.1	26.3	26.4	99.6	101.5	26.4	26.4	100.0	100.0	8.0	8.0	100.0	102.6	79	76	103.9	108.2
Z1		5.3				26.9				27.6				8.2						
A2	4.2	3.9	107.7	79.2	25.8	26.0	99.2	99.6	26.8	27.1	98.9	101.5	7.4	7.4	100.0	94.9	79	77	102.6	108.2
P2		5.7				25.9				26.5				7.0				71		
U2	5.8	5.8	100.0	109.4	25.9	26.3	98.5	100.0	26.5	26.9	98.5	100.4	7.8	7.8	100.0	100.0	73	73	100.0	100.0
G3		5.1				25.9				26.0				7.0				68		
I3	5.9	5.8	101.7	111.3	26.4	26.2	100.8	101.9	26.5	26.3	100.8	100.4	8.6	8.0	107.5	110.2	72	72	100.0	98.6
L3	4.8	5.1	94.1	90.6	25.4	25.5	99.6	98.1	26.2	26.3	99.6	99.2	7.4	7.5	98.7	94.9	70	71	98.6	95.9
M3	3.6	3.8	94.7	67.9	25.2	25.2	100.8	97.3	26.4	26.3	100.4	100.0	8.2	8.0	102.5	105.1	69	70	98.6	94.5
P3	5.3	5.4	98.1	100.0	26.4	26.8	98.5	101.9	27.1	27.5	98.5	102.6	8.1	7.6	106.6	103.8	67	68	98.5	91.8
T3	6.5	6.4	101.6	122.6	25.7	25.7	100.8	99.2	26.1	26.1	100.0	98.9	7.9	8.0	98.8	101.3	71	70	101.4	97.3
E4	4.9	4.9	100.0	92.4	26.4	26.1	101.1	101.9	26.5	26.2	101.1	100.4	8.3	7.9	105.1	106.4	70	69	101.4	95.9
K4	4.4	4.7	93.6	83.0	25.2	25.2	100.0	97.3	26.1	26.0	100.4	98.9	8.2	8.3	98.8	105.1	81	80	101.2	111.0
L4	7.0	6.6	106.1	132.1	25.9	25.8	100.4	100.0	26.0	26.0	100.0	98.5	7.8	7.6	102.6	100.0	64	66	97.0	87.7
M4	4.9	4.9	100.0	92.4	25.9	26.0	99.6	100.0	26.0	26.1	99.6	98.5	7.4	7.9	93.7	94.9	71	71	100.0	97.3
Q4	5.9	5.7	103.5	111.3	25.8	26.0	99.2	99.6	26.3	26.6	98.9	99.6	8.2	7.8	105.1	105.1	69	74	93.2	94.5
T4		3.4				25.5				26.8				8.5				72		

FKBG DATA

CUR.																				
AV.	5.3				25.8				26.3					8.0				72		
CUM.																				
AV.	5.3				25.9				26.4					7.8				73		
IND.																				
*D	100.0				99.6				99.6					102.6				98.6		

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.

	JUL-AUG, 1986				SEP-OCT, 1986				NOV-DEC, 1986			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
E1												
M1	32.0	32.6	98.2	79.2	33.0	32.7	100.9	81.5	33.0	32.9	100.3	81.9
P1	43.0	43.0	100.0	106.4	43.0	43.3	99.3	106.2	43.0	43.4	99.1	106.7
R1	47.0	48.2	97.5	116.3	47.5				46.0	47.2	97.4	114.1
S1												
U1	34.0	35.5	95.8	84.2	36.0	34.8	103.4	88.9	40.0	34.9	114.6	99.2
M1	37.0	41.7	88.7	91.6	39.0	40.7	95.8	96.3	38.0	39.9	95.2	94.3
Z1												
A2	52.7	51.4	102.5	130.4	51.2	51.4	99.6	126.4	49.9	51.2	97.5	123.8
P2		47.2				47.2						
U2	41.0	39.8	103.0	101.5	38.0	40.3	94.3	93.8	40.0	39.7	100.8	99.2
G3												
I3	46.0	39.9	115.3	113.9	41.0	41.7	98.3	101.2	45.0	42.2	106.6	111.7
L3	40.1	35.6	112.6	99.2	42.3	36.2	116.8	104.4	42.2	37.2	113.4	104.7
M3	38.0			94.0	38.0	38.0	100.0	93.8	36.0	38.0	94.7	89.3
P3												
T3		37.7				37.9			37.0	37.9	97.6	91.8
E4												
X4		45.3				45.9			55.0	47.0	117.0	136.5
L4												
M4	37.0	37.0	100.0	91.6	30.0	37.0	81.1	74.1	34.0	34.7	98.0	84.4
Q4												
T4	37.0	37.7	98.1	91.6		37.6				37.9		
FKBG DATA												
CUR. AV.	40.4				39.2				41.5			
CUM. AV.	40.4				40.5				40.3			
IND. *D	100.0				96.8				103.0			

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

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

JUL-AUG, 1966

CODE	MOISTURE CONTENT			BASIS WT.			ADJ. BASIS WT.			CALIPER, PT			BURSTING STRENGTH		
	AV.	AV.	IND.	AV.	AV.	IND.	AV.	AV.	IND.	AV.	AV.	IND.	AV.	AV.	IND.
E1	5.1	100.0	94.4	32.9	33.0	100.0	99.7	100.3	100.0	101.5	101.1	101.5	91.6	94.8	104.6
H1	5.0	100.0	92.6	33.0	33.0	100.0	99.1	100.3	100.0	101.1	101.1	101.1	91.6	98.8	95.6
J1	4.5	86.5	83.3	32.1	33.3	98.4	97.9	99.1	99.1	99.0	99.0	99.0	90.0	107.1	103.4
M1	6.5	98.5	118.5	32.9	33.0	99.7	100.3	100.3	100.3	102.2	102.2	102.2	96.0	101.2	98.8
M1	5.9	98.0	88.9	33.4	33.4	100.0	101.8	100.0	101.8	102.1	102.1	102.1	99.0	106.0	102.3
D1	5.3	101.9	98.1	33.4	33.0	101.2	101.8	100.9	100.9	100.9	100.9	100.9	94.0	102.4	96.6
P1	6.1	101.8	113.0	33.0	33.0	100.0	100.6	100.3	100.3	100.3	100.3	100.3	97.0	107.8	111.5
R1	5.0	96.2	92.6	32.9	32.8	100.3	100.3	100.3	100.3	101.5	101.5	101.5	94.0	98.8	95.4
S1	6.2	110.8	114.8	32.1	32.1	100.0	97.9	99.1	99.1	97.6	97.6	97.6	97.0	91.8	102.3
U1	5.4			32.7									92.0		
M1	6.3	101.6	116.7	33.3	33.4	99.7	103.5	33.4	33.4	100.0	100.0	100.0	94.0	105.6	108.0
Z1	5.7			33.1									96.0		
A2	4.8	104.5	85.2	32.5	32.2	100.9	99.1	33.6	33.5	100.3	100.6	100.6	92.0	98.9	100.0
Q2	4.7	95.9	87.0	32.4	32.5	99.7	98.8	32.7	32.8	99.7	97.9	97.9	98.0	100.0	101.1
P2	6.0	161.7	111.1	32.8	32.9	99.7	100.0	33.5	33.6	99.7	100.3	100.3	93.0	103.6	98.8
U2	6.1	101.7	113.0	32.7	32.8	99.7	99.7	33.3	33.4	99.7	99.7	99.7	96.0	101.2	100.0
V2	5.7	109.6	105.6	33.1	33.1	106.0	100.9	33.2	33.3	99.7	99.4	99.4	98.0	100.0	112.6
Z2	6.2	105.1	114.8	33.0	33.1	99.7	100.6	33.1	33.2	99.7	99.1	99.1	92.0	100.0	94.2
G3	5.6	100.0	103.7	33.0	33.0	100.0	100.6	33.1	33.1	100.0	100.0	100.0	92.0	100.0	94.2
I3	6.5	108.3	120.4	33.1	33.0	100.3	100.9	33.3	33.2	100.3	99.7	99.7	98.0	105.9	98.8
L3	5.2	100.0	96.3	32.2	32.6	98.8	98.2	33.1	33.6	99.5	99.1	99.1	98.0	98.9	101.1
M3	4.6	104.5	85.2	32.0	32.3	99.1	97.6	33.1	33.4	99.1	99.1	100.0	98.0	100.0	98.8
P3	5.6	103.7	103.7	32.7	32.8	99.7	99.7	33.5	33.7	99.4	100.3	100.3	96.0	102.5	94.2
S3	5.4	96.4	100.0	32.4	32.4	100.0	98.8	33.2	33.2	100.0	99.4	99.4	96.0	101.2	100.0
T3	6.3	101.6	118.5	32.1	32.2	99.7	97.9	32.6	32.8	99.4	97.6	97.6	98.0	98.8	93.1
A4	5.3	100.0	98.1	32.4	32.6	99.4	98.8	33.3	33.4	99.7	99.7	99.7	96.0	96.0	89.6
E4	5.3	103.9	98.1	32.9	33.0	99.7	100.3	33.0	33.1	99.7	98.8	98.8	94.0	103.6	97.7
K4	6.0	113.2	111.1	32.8	32.2	108.9	100.0	33.5	33.1	101.2	103.3	103.3	97.0	106.2	118.5
L4	6.4	92.8	118.5	32.9	33.0	99.7	100.3	33.0	33.1	99.7	98.8	98.8	96.0	96.5	95.4
M4	5.0	100.0	92.6	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	99.1	96.0	101.2	100.0
Q4	5.8	163.6	107.4	33.1	32.8	100.9	100.9	33.8	33.6	100.6	101.2	101.2	96.0	118.4	118.4
IND.	5.4			32.8									97.0		
AV.	5.6			32.8									98.0		
CUM.	5.6			32.8									98.0		
AV.	5.6			32.8									98.0		
IND.	103.7			100.0									101.1		
AV.	9.6			9.6									9.6		
CUM.	9.6			9.6									9.6		
AV.	9.6			9.6									9.6		
IND.	101.1			101.1									101.1		

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

TABLE VI  
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRENIER KRAFT LINERBOARD  
 SEP-OCT, 1986

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
E1	5.2	5.1	102.0	94.5	32.9	33.0	99.7	100.3	33.8	34.0	99.4	101.5	10.3	10.2	101.0	106.2	96	95	101.0	110.3
H1	5.0	5.0	100.0	90.9	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.4	10.2	10.3	99.0	105.2	84	84	100.0	96.6
J1		5.0				32.2				33.2				9.0				85		
M1	6.2	6.5	95.4	112.7	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.4	9.1	9.2	98.9	93.8	88	86	102.3	101.1
N1		4.9				33.4				33.5				9.5				85		
O1		5.2				33.1				33.3				9.5				82		
P1	5.8	6.0	96.7	105.4	32.9	33.0	99.7	100.3	33.0	33.1	99.7	99.1	9.9	9.9	100.0	102.1	98	92	106.5	112.6
R1	4.9	5.1	96.1	89.1	32.8	32.8	100.0	100.0	33.8	33.8	100.0	101.5	10.3	9.5	108.4	106.2	83	84	98.8	95.4
S1	6.0	5.7	105.3	109.1	32.0	32.1	99.7	97.6	32.6	32.8	99.4	97.9	9.4	9.7	96.9	96.9	92	95	96.8	105.7
U1		5.4				32.7				33.0				10.3				92		
W1	6.4	6.3	101.6	116.4	33.3	33.4	99.7	101.5	33.4	33.4	100.0	100.3	9.7	10.1	96.0	100.0	92	90	102.2	105.7
Z1	5.5	5.7	96.5	100.0	32.9	33.1	99.4	100.3	33.7	33.9	99.4	101.2	10.6	10.3	102.9	109.3	91	86	105.8	104.6
A2	5.0	4.5	111.1	90.9	32.5	32.3	100.6	99.1	33.5	33.5	100.0	100.6	9.0	9.0	100.0	92.8	91	88	103.4	104.6
O2	5.0	4.9	102.0	90.9	32.3	32.5	99.4	98.5	32.6	32.8	99.4	97.9	9.9	9.8	101.0	102.1	87	88	98.9	100.0
P2	5.9	5.9	100.0	107.3	32.7	32.8	99.7	99.7	33.4	33.5	99.7	100.3	8.9	8.9	100.0	91.8	88	85	103.5	101.1
U2	6.1	6.0	101.7	110.9	32.8	32.8	100.0	100.0	33.4	33.4	100.0	100.3	9.5	9.5	99.0	97.9	85	86	98.8	97.7
V2	4.9	5.3	92.4	89.1	33.2	33.1	100.3	101.2	33.3	33.2	100.3	100.0	9.8	9.8	100.0	101.0	96	99	97.0	110.3
Z2	6.4	5.9	108.5	116.4	33.1	33.1	100.0	100.9	33.2	33.2	100.0	99.7					83	82	101.2	95.4
G3	5.4	5.5	98.2	98.2	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.4	8.8	8.9	98.9	90.7	86	86	100.0	98.8
I3	6.2	6.1	101.6	112.7	33.1	33.0	100.3	100.9	33.3	33.2	100.3	100.0	9.9	9.9	100.0	102.1	84	83	101.2	96.6
L3	5.0	5.3	94.3	90.9	32.1	32.5	98.8	97.9	33.1	33.4	99.1	99.4	9.3	9.3	100.0	95.9	87	88	98.9	100.0
M3	4.5	4.5	100.0	81.8	32.0	32.2	99.4	97.6	33.2	33.4	99.4	99.7	10.3	10.5	98.1	106.2	84	86	97.7	96.6
P3	5.4	5.5	98.2	98.2	32.8	32.9	99.7	100.0	33.7	33.7	100.0	101.2	9.1	9.3	97.8	93.8	82	80	102.5	94.2
S3	5.4	5.6	96.4	98.2	32.4	32.4	100.0	98.8	33.3	33.2	100.3	100.0	10.0	9.8	102.0	103.1	84	85	98.8	96.6
T3	6.6	6.4	103.1	120.0	32.3	32.3	100.0	98.5	32.7	32.8	99.7	98.2	9.2	9.5	96.8	94.8	80	82	97.6	92.0
A4	5.0	5.3	94.3	90.9	32.3	32.5	99.4	98.5	33.3	33.4	99.7	100.0	10.2	10.0	102.0	105.2	84	82	102.4	96.6
E4	5.4	5.1	105.9	98.2	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.4	9.9	9.8	101.0	102.1	84	82	102.4	96.6
K4	5.1	5.5	92.7	92.7	32.2	32.4	99.4	98.2	33.1	33.2	99.7	99.4	9.0	10.2	88.2	92.8	102	98	104.1	117.2
L4		6.8				33.0				33.0				10.1				85		
M4		5.0				33.0				33.1				10.0				87		
Q4	5.5	5.6	98.2	100.0	32.7	32.8	99.7	99.7	33.5	33.6	99.7	100.6	9.3	9.9	93.9	95.9	98	91	107.7	112.6
T4	4.4	4.1	107.3	80.0	32.0	32.4	98.8	97.6	33.2	33.6	98.8	99.7	10.3	10.6	97.2	106.2	87	86	101.2	100.0

## FKBG DATA

CUR.																				
AV.	5.5				32.7				33.2				9.7				88			
CUM.																				
AV.	5.5				32.8				33.3				9.7				87			
IND.																				
*D	100.0				99.7				99.7				100.0				101.1			

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

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FLOUR/MILLER KRAFT LINERBOARD

MDV-DEC, 1966

TABLE VII

CODE	MOISTURE CONTENT*		BASIS WT., LB / M SQ FT		ADJ. BASIS MT., LB / M SQ FT		CALIPER, PT		BURSTING STRENGTH, P S I 6	
	AV. AV. #B	IND. #C	AV. AV. #B	IND. #C	AV. AV. #B	IND. #C	AV. AV. #B	IND. #C	AV. AV. #B	IND. #C
E1	5.1	5.1	99.7	100.0	33.9	33.9	100.0	101.8	10.8	10.2
H1	5.0	5.0	99.7	100.0	33.1	33.1	100.0	99.4	10.1	10.3
J1	4.8	6.1	95.3	110.9	33.0	33.0	100.0	99.4	9.0	9.2
M1	6.1	6.4	95.3	110.9	33.0	33.0	100.0	99.4	9.0	9.2
N1	4.9	5.3	92.7	102.7	32.7	32.7	100.0	99.4	9.4	9.5
O1	5.1	5.4	94.4	92.7	32.8	33.1	100.0	99.4	9.4	9.2
P1	6.0	6.0	109.0	109.1	32.9	33.0	99.7	100.3	9.8	9.8
R1	5.2	5.1	102.0	94.5	32.9	32.8	100.3	100.0	10.0	9.7
S1	5.9	5.0	101.7	107.3	32.0	32.1	99.7	98.2	9.2	9.6
U1	6.2	6.3	98.4	112.7	33.3	33.4	100.0	100.3	10.0	10.3
W1	6.2	6.3	98.4	112.7	33.3	33.4	100.0	100.3	10.0	10.3
Z1	5.6	5.6	108.0	101.8	33.0	33.2	99.4	106.2	10.5	10.3
A2	4.7	4.6	102.2	85.4	32.4	32.4	100.0	93.8	9.1	9.1
O2	4.9	4.9	100.0	89.1	32.3	32.5	99.4	101.0	9.8	9.8
P2	5.8	5.9	98.3	105.4	33.7	32.8	102.7	103.3	9.2	8.9
Q2	6.4	6.4	106.7	116.4	32.8	32.8	100.0	100.0	9.7	9.6
V2	5.3	6.0	108.3	118.2	33.1	33.0	100.3	100.0	9.8	9.8
W2	6.2	6.2	100.0	112.7	33.2	33.1	100.3	100.3	10.0	9.8
X2	5.8	5.8	107.4	105.4	33.1	33.0	100.3	100.3	9.0	9.0
Y2	6.2	6.2	100.0	112.7	33.2	33.1	100.3	100.3	10.0	9.8
L3	5.0	5.4	92.6	90.9	32.2	32.4	99.4	93.8	9.1	9.3
M3	4.2	4.5	93.3	76.4	31.8	32.1	99.1	106.2	10.5	10.4
N3	5.6	5.5	101.8	101.8	32.9	32.8	100.3	100.0	9.3	9.3
P3	5.6	5.5	101.8	101.8	32.9	32.8	100.3	100.0	9.3	9.3
Q3	5.6	5.5	101.8	101.8	32.9	32.8	100.3	100.0	9.3	9.3
R3	6.4	6.4	100.0	116.4	32.4	32.3	100.3	98.8	9.3	9.4
S3	5.0	5.2	90.9	96.6	32.4	32.4	100.0	102.1	9.9	9.9
T3	6.4	6.4	100.0	116.4	32.4	32.3	100.3	98.8	9.3	9.4
U3	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
V3	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
W3	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
X3	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
Y3	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
Z3	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
A4	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
E4	5.0	5.0	96.0	90.9	33.6	33.0	101.8	101.2	10.0	9.8
K4	5.1	5.1	94.4	92.7	32.1	32.4	99.1	99.1	9.7	10.0
L4	6.6	6.6	100.0	120.0	32.8	32.9	99.7	98.8	9.9	9.9
M4	5.0	5.6	96.6	92.6	32.8	32.8	100.0	100.0	10.0	10.0
N4	5.0	5.6	96.6	92.6	32.8	32.8	100.0	100.0	10.0	10.0
Q4	5.6	5.6	102.4	102.4	33.1	33.1	100.0	100.0	9.7	9.7
R4	5.6	5.6	102.4	102.4	33.1	33.1	100.0	100.0	9.7	9.7
S4	5.6	5.6	102.4	102.4	33.1	33.1	100.0	100.0	9.7	9.7
T4	5.6	5.6	102.4	102.4	33.1	33.1	100.0	100.0	9.7	9.7
U4	5.6	5.6	102.4	102.4	33.1	33.1	100.0	100.0	9.7	9.7
V4	5.6	5.6	102.4	102.4	33.1	33.1	100.0	100.0	9.7	9.7
W4	5.6	5.6	102.4	102.4	33.1	33.1	100.0	100.0	9.7	9.7
X4	5.6	5.6	102.4	102.4	33.1	33.1	100.0	100.0	9.7	9.7
Y4	5.6	5.6	102.4	102.4	33.1	33.1	100.0	100.0	9.7	9.7
Z4	5.6	5.6	102.4	102.4	33.1	33.1	100.0	100.0	9.7	9.7
A5	5.6	5.6	102.4	102.4	33.1	33.1	100.0	100.0	9.7	9.7
E5	5.6	5.6	102.4	102.4	33.1	33.1	100.0	100.0	9.7	9.7
K5	5.1	5.1	94.4	92.7	32.1	32.4	99.1	99.1	9.7	10.0
L5	6.6	6.6	100.0	120.0	32.8	32.9	99.7	98.8	9.9	9.9
M5	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
N5	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
O5	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
P5	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
Q5	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
R5	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
S5	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
T5	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
U5	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
V5	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
W5	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
X5	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
Y5	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
Z5	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
A6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
E6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
K6	5.1	5.1	94.4	92.7	32.1	32.4	99.1	99.1	9.7	10.0
L6	6.6	6.6	100.0	120.0	32.8	32.9	99.7	98.8	9.9	9.9
M6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
N6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
O6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
P6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
Q6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
R6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
S6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
T6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
U6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
V6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
W6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
X6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
Y6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
Z6	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
A7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
E7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
K7	5.1	5.1	94.4	92.7	32.1	32.4	99.1	99.1	9.7	10.0
L7	6.6	6.6	100.0	120.0	32.8	32.9	99.7	98.8	9.9	9.9
M7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
N7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
O7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
P7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
Q7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
R7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
S7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
T7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
U7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
V7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
W7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
X7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
Y7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
Z7	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
A8	5.0	5.0	96.2	90.9	32.4	32.4	100.0	102.1	9.9	9.9
E										

TABLE VIII  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD  
RING COMPRESSION, LBS.

	JUL-AUG, 1986				SEP-OCT, 1986				NOV-DEC, 1986			
	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
E1	52.0	48.9	106.3	93.5	48.0	49.9	96.2	86.0	51.0	49.6	102.8	91.2
J1												
M1												
N1												
D1	54.0	45.9	117.6	97.1	47.7				53.0	48.8	108.6	94.8
P1	65.0	63.8	101.9	116.9	64.0	64.0	100.0	114.7	61.0	63.6	95.9	109.1
R1	63.0	59.3	106.2	113.3	63.0	59.3	106.2	112.9	56.0	60.5	92.6	100.2
S1												
U1		53.1				53.1				52.7		
W1	58.0	61.1	94.9	104.3	58.0	60.5	95.9	103.9	55.0	59.7	92.1	98.4
Z1		57.0										
A2	70.7	68.2	103.7	127.2	68.6	68.7	99.8	122.9	69.3	69.0	100.4	124.0
O2	51.0	49.8	102.4	91.7	52.0	49.6	104.8	93.2	53.0	50.1	105.8	94.8
P2	64.8	66.0	98.2	116.5	63.8	66.9	95.4	114.3	65.0	67.1	96.9	116.3
U2	52.0	51.8	100.4	93.5	50.0	51.9	96.3	89.6	48.0	51.9	92.5	85.9
V2	63.0	61.4	102.6	113.3	58.0	61.8	93.8	103.9		68.9		
Z2	56.5	54.1	104.4	101.6	53.0	54.9	96.5	95.0	53.0	55.0	96.4	94.8
G3												
I3	51.0	57.3	89.0	91.7	59.0	56.9	103.7	105.7	62.0	57.5	107.8	110.9
L3	59.5	55.3	107.6	107.0	60.5	55.8	108.4	108.4	62.4	56.7	110.0	111.6
M3	51.5	52.2	98.6	92.6	50.0	52.0	96.2	89.6	50.0	51.8	96.5	89.4
P3	49.0	52.7	93.0	88.1		51.8				49.7		
S3	47.0	47.6	98.7	84.5	48.0	48.0	100.0	86.0	51.0	48.3	105.6	91.2
T3	45.0	48.1	93.6	80.9	45.0	46.8	96.2	80.6	46.0	45.6	100.9	82.3
A4												
E4												
K4	70.0	65.0	107.7	125.9		64.8			78.0	64.9	120.2	139.5
L4												
M4	49.0	43.8	111.9	88.1		48.0				48.0		
G4												
T4		55.2			52.0	54.8	94.9	93.2	53.0	53.0	100.0	94.8
FKBG DATA												
CUR.												
AV.	56.4				55.8				56.9			
CUM.												
AV.	55.6				55.8				55.9			
IND.												
*D	101.4				100.0				101.8			

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

TABLE IX  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 36 LB FOURDRINIER KRAFT LINERBOARD

JUL-AUG, 1966

CODE	MOISTURE CONTENT			BASIS WT.			ADJ. BASIS WT.**A			CALIPER, PT			BURSTING STRENGTH, P S I 6		
	AV.	CUM.	IND.	AV.	CUM.	IND.	AV.	CUM.	IND.	AV.	CUM.	IND.	AV.	CUM.	IND.
C1	5.9	37.9	37.9	37.9	100.0	99.7	38.0	38.1	99.7	98.4	10.7	10.8	9.9	109	111
E1	4.6	37.8	37.8	37.8	100.0	99.7	38.0	38.1	99.7	98.7	10.4	10.8	9.9	109	111
H1	6.0	38.0	38.0	38.0	100.0	99.7	38.0	38.1	99.7	98.7	10.4	10.8	9.9	109	111
M1	6.4	38.4	38.4	38.4	100.0	99.7	38.0	38.1	99.7	98.7	10.4	10.8	9.9	109	111
N1	5.0	38.3	38.3	38.3	100.0	99.7	38.0	38.1	99.7	98.7	10.4	10.8	9.9	109	111
O1	5.5	37.9	37.9	37.9	100.0	99.7	38.0	38.1	99.7	98.4	10.7	10.8	9.9	109	111
P1	6.1	38.0	38.0	38.0	100.0	99.7	38.0	38.1	99.7	98.7	10.4	10.8	9.9	109	111
S1	5.8	37.1	37.1	37.1	100.0	99.7	38.0	38.1	99.7	98.7	10.4	10.8	9.9	109	111
V1	5.9	38.5	38.5	38.5	100.5	101.3	38.6	38.6	100.5	100.0	11.7	11.3	10.5	106	106
W1	5.8	38.5	38.5	38.5	100.5	101.3	38.6	38.6	100.5	100.0	11.7	11.3	10.5	106	106
Z1	5.6	37.9	37.9	37.9	100.0	98.2	38.8	39.0	99.5	100.5	11.2	11.5	9.4	102	97
A2	5.6	37.6	37.6	37.6	100.0	98.2	38.5	38.5	100.0	99.7	9.5	9.4	101.1	100	100
B2	5.9	38.2	37.7	37.7	101.3	100.5	39.0	38.7	100.8	101.0	10.6	10.6	100.6	96	96
K2	6.0	37.5	37.5	37.5	100.0	99.7	38.2	38.3	99.7	99.0	10.8	10.7	100.9	106	102
M2	5.8	38.0	38.0	38.0	102.1	102.1	38.9	38.1	102.1	100.8	10.0	10.1	99.6	100	96
N2	5.6	36.4	36.4	36.4	100.0	98.2	38.2	38.2	100.0	99.7	9.6	9.6	101	101	101
O2	5.5	37.4	37.4	37.4	100.0	98.2	38.2	38.2	100.0	99.7	9.6	9.6	101	101	101
T2	5.4	38.2	38.2	38.2	100.0	98.2	38.2	38.2	100.0	99.7	11.3	11.3	10.7	98	107
W2	5.6	38.2	38.2	38.2	100.0	98.2	38.2	38.2	100.0	99.7	11.3	11.3	10.7	98	107
X2	5.9	38.0	38.0	38.0	100.0	98.2	38.2	38.2	100.0	99.7	11.3	11.3	10.7	98	107
Z2	6.2	38.4	38.3	38.3	100.3	101.0	38.5	38.4	100.3	99.7	10.5	10.3	101.9	97	96
13	6.8	38.0	38.0	38.0	100.0	98.2	38.2	38.2	100.0	99.0	11.9	11.2	106.2	95	94
L3	5.5	37.5	37.5	37.5	100.0	98.2	38.4	38.6	99.5	10.6	10.7	99.1	98	97	98
P3	5.7	40.0	40.0	40.0	105.6	100.0	40.9	41.4	106.0	11.2	11.2	103.0	92	91	91
L3	5.5	37.5	37.5	37.5	100.0	98.2	38.4	38.6	99.5	10.6	10.7	99.1	98	97	98
S3	6.0	38.4	38.4	38.4	101.8	101.8	39.2	39.2	101.8	11.0	10.8	101.8	92	92	92
F4	5.8	37.9	37.9	37.9	101.8	101.8	38.7	39.3	99.5	100.2	11.1	10.8	102.8	94	105
K4	6.1	37.7	37.7	37.7	100.5	99.2	38.4	38.1	100.8	99.5	11.0	10.9	101.8	109	105
N4	5.9	38.9	38.2	38.2	101.8	101.8	39.0	38.3	101.8	101.8	11.1	10.9	101.8	100	96
S4	5.5	37.4	37.4	37.4	100.0	96.4	38.3	38.4	99.7	99.2	11.3	10.8	104.6	96	102

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

FK86 DATA  
CUR. AV. 5.9  
CUM. AV. 38.1  
IND. 100.3

38.6  
38.6  
100.0

10.8  
10.8  
100.0

98  
99  
99.0

TABLE X  
AVERAGES OF ROUTINE WILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD  
SEP-OCT, 1986

CODE	MOISTURE CONTENT		BASIS WT., LB / M SQ FT		ADJ. BASIS WT., LB / M SQ FT		CALIPER, PT		BURSTING STRENGTH, P S I G	
	AV. #8	FACT. IND. #C	AV. #8	FACT. IND. #C	AV. #8	FACT. IND. #C	AV. #8	FACT. IND. #C	AV. #8	FACT. IND. #C
C1	5.9	37.9	38.7	38.3	38.7	38.5	9.9	10.9	109	109
E1	4.6	37.8	39.2	38.2	39.2	38.5	10.8	111	111	111
H1	6.0	38.0	38.1	38.0	38.7	38.5	11.1	95	95	95
N1	6.4	38.4	38.4	38.4	38.5	38.5	10.4	93	93	93
M1	4.9	38.4	38.4	38.3	38.4	38.4	10.5	96	96	96
N1	5.2	38.4	38.4	38.3	38.4	38.4	10.5	96	96	96
O1	5.6	38.1	38.2	38.0	39.0	38.5	11.0	90	90	90
P1	5.9	38.0	38.0	38.0	38.7	38.0	11.1	104	104	104
S1	5.8	37.1	37.8	37.1	37.8	37.8	11.2	106	106	106
V1	5.9	38.2	38.4	38.2	39.2	38.5	11.5	104	104	104
Z1	5.6	37.8	38.1	37.8	38.2	38.2	11.6	97	97	97
A2	5.9	37.7	37.6	37.6	39.7	38.5	9.3	100	100	100
B2	5.4	37.7	37.7	37.6	38.7	38.6	10.4	97	97	97
K2	5.8	37.6	37.6	37.6	39.5	38.3	10.6	103	103	103
M2	6.0	38.1	38.2	38.2	39.0	38.2	10.3	97	97	97
O2	5.5	38.4	38.4	38.4	39.4	38.4	9.6	101	101	101
T2	5.4	37.1	37.4	37.4	38.7	38.1	10.8	95	95	95
V2	5.6	38.2	38.2	38.2	38.3	38.3	11.3	108	108	108
X2	6.0	38.1	38.1	38.1	38.2	38.2	10.4	96	96	96
Z2	6.4	38.4	38.3	38.3	39.7	38.4	10.3	94	94	94
I3	6.4	37.9	38.0	37.9	38.7	38.2	11.3	98	98	98
L3	5.6	37.5	37.6	37.6	39.5	38.5	10.7	94	94	94
P3	5.7	39.6	39.6	39.6	40.5	38.5	10.7	92	92	92
S3	6.0	38.4	38.4	38.4	39.2	38.3	10.8	92	92	92
A4	5.5	37.4	37.4	37.4	39.2	38.3	11.0	93	93	93
F4	5.5	38.0	38.0	38.0	39.7	38.0	11.0	103	103	103
K4	5.5	37.2	37.5	37.5	38.7	38.1	10.1	106	106	106
N4	5.9	38.0	38.3	38.3	39.2	38.4	10.3	98	98	98
S4	5.5	37.2	37.5	37.5	38.7	38.1	11.1	101	101	101

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

FK86 DATA

CUR.

AV. 5.7

CUM.

AV. 5.7

IND. #D 100.0

37.9

38.0

99.7

38.4

38.6

99.5

10.8

10.8

100.0

99

99

100.0

TABLE XI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 30 LB FOURDRINIER KRAFT LINERBOARD

NOV-DEC, 1966

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	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
C1		5.9				37.9				38.7				9.9				109		
E1		4.6				37.8				39.2				10.8				111		
M1	6.0	6.0	100.0	103.4	38.0	38.0	100.0	100.0	38.1	38.1	100.0	99.0	10.8	11.3	95.6	100.0	96	95	101.0	97.0
M1		6.4				38.4				38.5				10.6				93		
N1	5.0	5.1	98.0	86.2	38.2	38.3	99.7	100.5	38.3	38.4	99.7	99.5	10.9	10.6	104.8	100.9	101	96	105.2	102.0
O1	5.5	5.7	96.5	94.8	38.0	37.9	100.3	100.0	38.3	38.1	100.5	99.5	10.7	10.8	99.1	99.1	90	90	100.0	90.9
P1	6.1	6.1	100.0	105.2	38.0	38.0	100.0	100.0	38.1	38.1	100.0	99.0	11.6	11.1	102.7	105.6	102	105	97.1	103.0
S1		5.8				37.1				37.8				11.2				106		
V1	6.3	5.9	106.0	100.6	38.9	38.4	101.3	102.4	39.0	38.5	101.3	101.3	11.9	11.5	103.5	110.2	107	109	98.2	108.1
Z1	5.6	5.7	98.2	96.6	37.8	38.1	99.2	99.5	38.7	38.9	99.5	100.5	11.6	11.6	100.0	105.6	98	100	98.0	99.0
A2	5.4	5.6	96.4	93.1	37.6	37.6	100.0	98.9	38.6	38.5	100.2	100.2	9.7	9.4	103.2	89.8	105	100	105.0	106.1
B2	5.5	5.4	101.8	94.8	38.1	37.8	100.0	100.3	39.1	38.8	100.8	101.6	10.1	10.5	96.2	93.5	101	98	103.1	102.0
K2	6.0	6.0	100.0	103.4	37.5	37.5	100.0	98.7	38.2	38.3	99.7	99.2	10.7	10.7	100.0	99.1	106	104	101.9	107.1
M2	5.9	5.8	101.7	101.7	38.2	38.2	100.0	100.5	38.3	38.2	100.3	99.5	10.6	10.1	99.0	92.6	99	97	102.1	100.0
Q2		5.5				38.4				39.4				9.6				101		
T2		5.3				37.2				38.2				10.6				101		
V2		5.7				38.2				38.3				11.2				110		
X2	5.9	5.9	100.0	101.7	38.1	38.1	100.0	100.3	38.2	38.2	100.0	99.2	10.5	10.5	100.0	97.2	98	96	102.1	99.0
Z2	6.5	6.0	108.3	112.1	38.3	38.3	100.0	100.8	38.4	38.4	100.0	99.7					94	95	98.9	94.9
I3	6.4	6.5	98.5	110.3	38.1	38.0	100.3	100.3	38.3	38.2	100.3	99.5	11.6	11.3	102.6	107.4	95	95	100.0	96.0
L3	5.5	5.7	96.5	94.8	37.2	37.6	98.9	97.9	38.1	38.4	99.2	99.0	10.6	10.7	99.1	98.1	98	96	102.1	99.0
P3	5.6	5.6	100.0	96.6	40.3	40.2	100.2	106.0	41.3	41.1	100.5	107.3	11.7	11.3	103.5	108.3	92	92	100.0	92.9
S3	6.3	5.9	106.8	108.6	37.6	37.3	95.7	98.9	38.2	40.1	95.3	99.2	10.2	11.6	89.5	94.4	94	95	98.9	94.9
A4	5.7	5.5	103.6	98.3	37.4	37.4	100.0	98.4	38.3	38.3	100.0	99.5	11.6	11.0	103.6	105.6	102	93	109.7	103.0
F4	5.6	5.6	100.0	96.6	38.3	38.2	100.3	100.8	39.2	39.1	100.2	101.8	10.7	10.9	98.2	99.1	107	102	104.9	108.1
K4	5.5	6.1	90.2	94.8	37.2	37.5	99.2	97.9	38.1	38.2	99.7	99.0	10.1	10.8	93.5	93.5	106	106	100.0	107.1
M4	6.0	6.0	100.0	103.4	38.0	38.3	99.2	100.0	38.1	38.4	99.2	99.0	10.1	10.9	92.7	93.5	92	99	92.9	92.9
S4	5.6	5.6	100.0	96.6	37.4	37.4	100.0	98.4	38.3	38.4	99.7	99.5	10.7	11.0	97.3	99.1	103	100	103.0	104.0
FKBG DATA																				
CUR.																				
AV. 5.8																				
CUM.																				
AV. 5.8																				
IND.																				
=0 100.0																				
100.0																				
100.0																				
100.0																				

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

TABLE XII  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD  
RING COMPRESSION, LBS.

	JUL-AUG, 1986				SEP-OCT, 1986				NOV-DEC, 1986			
	CUR. AV.	MACHINE DATA CUM. AV.	FACT. *B	IND. *C	CUR. AV.	MACHINE DATA CUM. AV.	FACT. *B	IND. *C	CUR. AV.	MACHINE DATA CUM. AV.	FACT. *B	IND. *C
C1		43.0				43.0				43.0		
E1												
H1	62.0	59.4	104.4	90.6	58.0	60.8	95.4	83.9	55.0	60.3	91.2	79.1
M1												
N1									63.0			90.6
O1	60.0	58.2	103.1	87.7	68.0	58.6	116.0	98.4	66.0	60.5	109.1	95.0
P1	79.0	75.5	104.6	115.5	77.0	79.5	96.8	111.4	71.0	78.7	90.2	102.2
S1												
V1	72.0	74.7	96.4	105.3	74.0	73.8	100.3	107.1	67.0	72.7	92.2	96.4
Z1		66.5				68.0						
A2	81.1	76.9	105.5	118.6	79.1	77.6	101.9	114.5	79.1	78.0	101.4	113.8
B2	79.6	79.9	99.6	116.4	78.2	81.4	96.1	113.2	78.3	80.8	96.9	112.7
K2												
M2	52.5	60.0	87.5	76.8	56.3	59.3	94.9	81.5	61.9	58.5	105.8	89.1
Q2		76.8				76.8				76.8		
T2												
V2		71.6				72.4				72.5		
X2	62.0	60.5	102.5	90.6		61.2			62.0	61.0	101.6	89.2
Z2	70.0	70.2	99.7	102.3	70.5	70.2	100.4	102.0	68.0	70.8	96.0	97.8
I3	64.0	68.8	93.0	93.6	71.0	68.4	103.8	102.7	76.0	69.1	110.0	109.4
L3	73.8	67.3	109.6	107.9	71.9	68.7	104.6	104.0	72.8	69.7	104.4	104.7
P3	70.0	81.6	85.8	102.3	82.0	80.9	101.4	118.7		82.2		
S3		54.0				54.0			62.0	58.0	106.9	89.2
A4												
F4												
K4	82.0	73.6	111.4	119.9		75.3				76.2		
M4		62.8				63.4				65.6		
S4	67.0	66.6	100.6	98.0	65.0	66.2	98.2	94.1	67.0	66.2	101.2	96.4
FKBG DATA												
CUR. AV.	69.6				70.9				67.8			
CUM. AV.	68.4				69.1				69.5			
IND. *D	101.8				102.6				97.6			

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

JUL-AUG, 1986

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
C1	6.1	5.6	106.9	105.2	41.6	41.4	100.5	99.8	42.3	42.4	99.8	100.0	11.1	11.6	95.7	94.1	113	118	95.8	106.6
F1	5.8	5.4	107.4	100.0	41.3	41.6	99.3	99.0	42.2	42.7	98.8	99.8	10.7	10.9	98.2	90.7	110	108	101.8	103.8
J1	5.7	6.2	91.9	98.3	41.3	41.5	99.5	99.0	42.2	42.2	100.0	99.8	11.7	11.2	104.5	99.2	104	104	100.0	98.1
M1	6.1	6.4	95.3	105.2	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	11.6	11.6	100.0	98.3	106	106	100.0	100.0
M1	4.7	5.0	94.0	81.0	42.2	42.3	99.8	101.2	42.3	42.4	99.8	100.0	11.7	11.4	102.6	99.2	107	106	100.9	100.9
O1	5.8	5.9	98.3	100.0	41.8	41.9	99.8	100.2	41.9	42.2	99.3	99.0	11.7	12.2	95.9	99.2	99	99	100.0	93.4
P1	5.9																			
R1	5.5	5.9	93.2	94.8	41.7	41.6	100.2	100.0	42.7	42.4	100.7	100.9	12.5	11.6	107.8	105.9	99	100	99.0	93.4
S1	6.4	6.3	101.6	110.3	41.0	41.2	99.5	98.3	41.6	41.8	99.5	98.3	11.6	12.4	93.5	98.3	110	114	96.5	103.8
T1	6.0	6.0	100.0	103.4	42.1	42.0	100.2	101.0	42.3	42.2	100.2	100.0	11.5	11.7	98.3	97.4	106	108	98.1	100.0
V1	5.8	5.8	100.0	100.0	42.2	42.2	100.0	101.2	42.3	42.4	99.8	100.0	12.5	12.5	100.0	105.9	109	109	100.0	102.8
Z1	5.8	6.0	96.7	100.0	41.6	41.9	99.3	99.8	42.5	42.7	99.5	100.5	12.3	12.5	98.4	104.2	105	103	101.9	99.0
A2	5.7	5.7	100.0	98.3	41.6	41.5	100.2	99.8	42.6	42.4	100.0	100.7	10.8	10.5	102.8	91.5	107	106	99.1	100.9
B2	6.3	5.7	110.5	108.6	42.0	41.7	100.7	100.7	42.7	42.6	100.2	100.9	12.0	11.9	100.8	101.7	102	105	97.1	96.2
I2	5.4	5.0	108.0	93.1	41.1	41.2	99.8	98.6	42.2	42.4	99.5	99.8	11.7	12.1	96.7	99.2	104	104	100.0	98.1
K2	6.1	6.1	100.0	105.2	41.5	41.4	100.2	99.5	42.2	42.2	100.0	99.8	12.0	12.0	100.0	101.7	105	107	98.1	99.0
M2	6.0	5.9	101.7	103.4	42.3	42.1	100.5	101.4	42.4	42.3	100.2	100.2	11.2	11.1	100.9	94.9	104	104	100.0	98.1
O2	5.5	5.3	103.8	94.8	41.2	41.3	99.8	98.8	41.6	41.7	99.8	98.3	12.6	12.3	102.4	106.8	104	104	100.0	98.1
Q2	6.1	5.8	105.2	105.2	41.9	41.8	100.2	100.5	42.7	42.7	100.0	100.9	10.5	11.1	94.6	89.0	115	110	104.5	108.5
S2	5.1																			
T2	5.8																			
V2	5.9	5.7	103.5	101.7	42.2	42.2	100.0	101.2	42.3	42.3	100.0	100.0	12.3	12.4	99.2	104.2	110	114	96.5	103.8
W2	6.0	6.0	100.0	103.4	42.0	42.1	99.8	100.7	42.1	42.2	99.8	99.5	12.2	12.0	101.7	103.4	118	120	98.3	111.3
X2	6.0	6.0	100.0	103.4	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	11.5	11.5	100.0	97.4	103	104	99.0	97.2
Z2	6.3	5.8	108.6	108.6	42.2	42.0	100.5	101.2	42.3	42.2	100.2	100.0					102	103	99.0	96.2
G3	6.2	6.0	103.3	106.9	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	11.2	11.2	100.0	94.9	104	105	99.0	98.1
I3	6.8	6.6	103.0	117.2	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.8	12.8	12.2	104.9	108.5	106	104	101.9	100.0
K3	5.7	6.1	93.4	98.3	41.9	41.6	100.7	100.5	42.9	42.3	101.4	101.4	12.1	12.1	100.0	102.5	103	102	101.0	97.2
L3	5.5	5.6	98.2	94.8	41.2	41.5	99.3	98.8	42.2	42.5	99.3	99.8	11.8	11.8	100.0	100.0	104	104	100.0	98.1
M3	5.4	5.2	103.8	93.1	41.1	41.1	100.0	98.6	42.2	42.2	100.0	99.8	12.0	12.5	96.0	101.7	104	103	101.0	98.1
N3	5.9	6.1	96.7	101.7	41.4	41.6	99.5	99.3	42.3	42.4	99.8	100.0	11.8	11.6	101.7	100.0	108	104	103.8	101.9
P3	5.8	5.6	103.6	100.0	41.4	41.5	99.8	99.3	42.3	42.5	99.5	100.0	11.9	11.6	102.6	106.8	98	99	99.0	92.4
S3	6.4	6.2	103.2	110.3	41.6	41.6	100.0	99.8	42.2	42.2	100.0	99.8	12.0	11.3	106.2	101.7	104	104	100.0	98.1
T3	6.4	6.2	103.2	110.3	41.2	40.9	100.7	98.8	41.8	41.6	100.5	98.8	12.3	12.3	100.0	104.2	102	103	99.0	96.2
U3	5.2	5.2	100.0	89.6	41.5	41.4	100.2	99.5	42.7	42.6	100.2	100.9	11.3	10.8	104.6	95.8	106	106	100.0	100.0
A4	5.8	6.0	96.7	100.0	41.2	41.5	99.3	98.8	42.1	42.3	99.5	99.5	12.1	12.1	100.0	102.5	100	101	99.0	94.3
E4	5.6																			
F4	5.9	5.8	101.7	101.7	42.1	42.0	100.2	101.0	43.0	43.0	100.0	101.6	12.3	12.2	100.8	104.2	113	118	95.8	106.6
J4	5.2	5.8	89.6	89.6	42.0	41.9	100.2	100.7	42.1	42.3	99.5	99.5	11.5	12.3	93.5	97.4	102	101	101.0	96.2
K4	6.2	6.4	96.9	106.9	41.6	41.5	100.2	99.8	42.3	42.2	100.2	100.0	11.8	11.8	100.0	100.0	114	114	100.0	107.5
L4	6.5																			
N4	5.9	6.0	98.3	101.7	42.0	42.1	99.8	100.7	42.1	42.2	99.8	99.5	12.0	12.1	99.2	101.7	103	104	99.0	97.2
S4	5.7	5.9	96.6	98.3	41.2	41.3	99.8	98.8	42.1	42.2	99.8	99.5	12.3	11.8	104.2	104.2	107	108	99.1	100.9
T4	5.4	5.5	98.2	93.1	41.1	41.4	99.3	98.6	42.2	42.5	99.3	99.8	11.8	12.3	95.9	100.0	104	104	100.0	98.1

FKBG DATA  
CUR. AV. 5.8  
CUM. AV. 5.8  
IND. #D 100.0

41.7 42.2 11.8 106  
41.7 42.3 11.8 106  
100.0 99.8 100.0 100.0

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

TABLE XIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 62 LB FOURDRINIER KRAFT LINERBOARD

SEP-OCT, 1986

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., LB / M SQ FT				CALIPER, PF				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
C1	6.2	5.8	106.9	106.9	41.3	41.4	99.8	99.0	42.0	42.4	99.0	99.3	12.0	11.5	104.3	101.7	117	116	100.9	110.4
F1	5.7	5.6	101.8	98.3	41.4	41.6	99.5	99.3	42.4	42.5	99.8	100.2	11.1	10.8	102.8	94.1	106	108	98.1	100.0
H1	6.0			103.4	41.9			100.5	42.0			99.3	11.3			95.8	102			96.2
J1	6.2	6.1	101.6	106.9	41.7	41.4	100.7	100.0	42.4	42.2	100.5	100.2	11.2	11.3	99.1	94.9	106	104	101.9	100.0
M1	6.2	6.4	96.9	106.9	41.9	42.0	99.8	100.5	42.0	42.1	99.8	99.3	11.4	11.5	99.1	96.6	108	106	101.9	101.9
N1	5.1	5.0	102.0	87.9	42.0	42.3	99.3	100.7	42.1	42.4	99.3	99.5	11.6	11.5	100.9	98.3	106	106	100.0	100.0
O1	5.2	5.9	88.1	89.6	41.8	41.9	99.8	100.2	41.9	42.2	99.3	99.0	11.7	12.1	96.7	99.2	97	99	98.0	91.5
P1	5.8	5.9	98.3	100.0	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	12.2	12.1	100.8	103.4	121	106	114.2	114.2
R1	5.5	5.8	94.8	94.8	41.6	41.6	100.0	99.8	42.6	42.5	100.2	100.7	12.6	11.7	107.7	106.8	98	100	98.0	92.4
S1	6.4	6.4	100.0	110.3	41.0	41.2	99.5	98.3	41.6	41.8	99.5	98.3	11.9	12.2	97.5	100.8	113	114	99.1	108.6
T1	5.9	6.0	98.3	101.7	42.2	42.0	100.5	101.2	42.4	42.2	100.5	100.2	11.6	11.7	99.1	98.3	107	108	100.0	100.9
V1	5.7	5.8	98.3	98.3	42.2	42.2	100.0	101.2	42.3	42.4	99.8	100.0	12.5	12.5	100.0	105.9	107	109	98.2	100.9
Z1	6.0	5.9	101.7	103.4	41.7	41.8	99.8	100.0	42.5	42.7	99.5	100.5	12.5	12.5	100.0	105.9	105	104	101.0	99.0
A2	6.1	5.7	107.0	105.2	41.6	41.5	100.2	99.8	42.3	42.4	99.8	100.0	10.6	10.6	100.0	89.8	110	108	101.8	103.8
B2	5.9	5.8	101.7	101.7	41.8	41.8	100.0	100.2	42.7	42.6	100.2	100.9	11.5	11.9	96.6	97.4	104	105	99.0	98.1
I2	5.3	5.1	103.9	91.4	41.1	41.2	99.8	98.6	42.2	42.4	99.5	99.8	12.1	12.0	100.8	102.5	103	104	99.0	97.2
K2	6.1	6.1	100.0	105.2	41.5	41.4	100.2	99.5	42.2	42.2	100.0	99.8	11.8	12.0	98.3	100.0	108	107	100.9	101.9
M2	6.0	6.0	100.0	103.4	42.3	42.2	100.2	101.4	42.4	42.3	100.2	100.2	11.2	11.2	100.0	94.9	103	104	99.0	97.2
O2	5.3	5.4	98.1	91.4	41.2	41.3	99.8	98.8	41.6	41.7	99.8	98.3	12.3	12.4	99.2	104.2	104	104	100.0	98.1
Q2	5.8	5.8	100.0	100.0	41.8	41.7	100.2	100.2	42.7	42.6	100.2	100.9	10.4	10.9	95.4	88.1	109	110	99.1	102.8
S2		5.1				42.2				42.3				11.0						119
T2	5.6	5.8	96.6	96.6	41.8	41.8	100.0	100.2	42.8	42.8	100.0	101.2	12.3	12.1	101.6	104.2	111	102	108.8	104.7
V2	5.4	5.8	93.1	93.1	42.1	42.2	99.8	101.0	42.2	42.3	99.8	99.8	12.5	12.4	100.8	105.9	110	114	96.5	103.8
M2	6.1	6.0	101.7	105.2	42.0	42.1	99.8	100.7	42.1	42.2	99.8	99.5	12.1	12.0	100.8	102.5	115	119	96.6	108.5
K2	5.9	6.0	98.3	101.7	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	11.8	11.6	101.7	100.0	103	103	100.0	97.2
Z2	6.4	5.9	108.5	110.3	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.5					104	103	101.0	98.1
G3	6.1	6.0	101.7	105.2	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	11.2	11.2	100.0	94.9	105	105	100.0	99.0
I3	6.7	6.7	100.0	115.5	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.8	12.5	12.3	101.6	105.9	106	105	101.0	100.0
K3	5.7	6.0	95.0	98.3	41.8	41.7	100.2	100.2	42.8	42.5	100.7	101.2	12.2	12.1	100.8	103.4	104	102	102.0	98.1
L3	5.7	5.7	100.0	98.3	41.1	41.4	99.3	98.6	42.0	42.4	99.0	99.3	11.7	11.8	99.2	99.2	103	104	99.0	97.2
M3	5.3	5.2	101.9	91.4	41.1	41.0	100.2	98.6	42.2	42.2	100.0	99.8	12.3	12.4	99.2	104.2	104	103	101.0	98.1
N3	5.9	6.1	96.7	101.7	41.5	41.7	99.5	99.5	42.4	42.4	100.0	100.2	12.2	11.7	104.3	103.4	111	104	106.7	104.7
P3	5.8	5.7	101.8	100.0	41.3	41.4	99.8	99.0	42.3	42.4	99.8	100.0	11.4	11.7	97.4	96.6	98	99	99.0	92.4
S3	5.8	6.2	93.5	100.0	41.4	41.6	99.5	99.3	42.2	42.2	100.0	99.8	11.5	11.5	100.0	97.4	103	104	99.0	97.2
T3	6.4	6.3	101.6	110.3	41.2	41.0	100.5	98.8	41.8	41.6	100.5	98.8	12.2	12.2	100.0	103.4	103	102	101.0	97.2
U3	5.4	5.2	103.8	93.1	41.4	41.4	100.0	99.3	42.5	42.6	99.8	100.5	11.4	10.8	105.6	96.6	105	106	99.0	99.0
A4	5.7	6.0	95.0	98.3	41.4	41.4	100.0	99.3	42.4	42.2	100.5	100.2	12.0	12.1	99.2	101.7	106	101	105.0	100.0
E4		5.6				41.8				41.9				11.8						105
F4	5.9	5.9	100.0	101.7	42.1	42.1	100.0	101.0	43.0	43.0	100.0	101.6	12.3	12.2	100.8	104.2	106	117	90.6	100.0
J4		5.6				41.6				42.2				11.9						102
K4	6.0	6.3	95.2	103.4	41.2	41.5	99.3	98.8	42.0	42.2	99.5	99.3	11.3	11.9	95.0	95.8	115	114	100.9	108.5
L4		6.5				41.7				41.8				13.1						104
N4	6.1	6.0	101.7	105.2	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.5	11.4	12.1	94.2	96.6	107	104	102.9	100.9
S4	5.8	5.8	100.0	100.0	41.2	41.2	100.0	98.8	42.1	42.1	100.0	99.5	12.3	12.0	102.5	104.2	106	107	99.1	100.0
T4	5.3	5.4	98.1	91.4	41.1	41.4	99.3	98.6	42.2	42.4	99.5	99.8	12.0	12.2	98.4	101.7	103	104	99.0	97.2

FKBG DATA  
 CUR. AV. 5.8 41.6 42.2 11.8 106  
 CUM. AV. 5.8 41.7 42.3 11.8 106  
 IND. #D 100.0 99.8 99.8 100.0 100.0

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



TABLE XVI  
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 62 LB FOURDRINIER KRAFT LINERBOARD  
 RING COMPRESSION, LBS.

	JUL-AUG, 1986				SEP-OCT, 1986				NOV-DEC, 1986			
	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
C1	62.0	65.3	94.9	82.9					55.0	61.2	89.9	72.0
F1	85.7	76.3	112.3	114.6	81.3	78.4	103.7	108.1	82.9	79.3	104.5	109.8
H1					71.0			94.4		71.0		
J1												
M1	75.0	75.7	99.1	100.3	78.0	75.0	102.9	103.7	74.0	76.2	97.1	98.0
O1	68.0	66.4	102.4	90.9	80.0	66.7	119.9	106.4	75.0	68.9	108.8	99.3
P1	96.0			128.3	75.0	96.0	78.1	99.7	84.0	85.5	98.2	111.2
R1	79.0	78.2	101.0	105.6	80.0	77.9	102.7	106.4	78.0	78.2	99.7	103.3
S1												
T1	74.0	79.2	93.4	98.9	78.0	78.8	99.0	103.7	84.0	79.1	106.2	111.2
V1	72.0	77.2	93.3	96.2	74.0	75.9	97.5	98.4	72.0	74.6	96.5	95.4
Z1		73.2				73.6						
A2	90.8	86.7	104.7	121.4	88.5	87.7	100.9	117.7	88.4	88.1	100.3	117.1
B2	88.4	88.5	99.9	118.2	87.2	90.0	96.9	116.0	85.9	89.8	95.6	113.8
I2	65.0	69.3	93.8	86.9	65.0	68.8	94.5	86.4	64.0	68.0	94.1	84.8
K2												
M2	65.1	66.0	98.6	87.0	65.9	66.0	99.8	87.6	67.2	66.2	101.5	89.0
O2	68.0	68.6	99.1	90.9	70.0	68.3	102.5	93.1	76.0	68.2	111.4	100.7
Q2	90.6	89.2	101.6	121.1	90.2	90.3	99.9	119.9	90.4	90.8	99.6	119.7
S2												
T2												
V2	77.0	77.4	99.5	102.9	77.0	77.8	99.0	102.4	75.0	77.7	96.5	99.3
W2												
X2	73.0	69.3	105.3	97.6	73.0	70.4	103.7	97.1	74.0	71.2	103.9	98.0
Z2	76.5	74.2	103.1	102.3	76.0	74.9	101.5	101.1	74.5	75.8	98.3	98.7
G3												
I3	70.0	76.6	91.4	93.6	76.0	75.5	100.7	101.1	80.0	75.5	106.0	106.0
K3	78.0	77.2	101.0	104.3	77.0	77.6	99.2	102.4	74.0	78.2	94.6	98.0
L3	83.5	75.8	110.2	111.6	82.7	77.2	107.1	110.0	81.6	78.5	103.9	108.1
M3	66.5	69.8	95.3	88.9	66.0	69.4	95.1	87.8	67.0	68.8	97.4	88.7
N3	70.0	68.8	101.7	93.6	70.0	69.0	101.4	93.1	66.0	69.6	94.8	87.4
P3	80.0	88.2	90.7	107.0	104.0	89.1	116.7	138.3	95.0	91.2	104.2	125.8
S3	65.5	64.0	102.3	87.6	66.5	65.0	102.3	88.4	68.0	65.5	103.8	90.1
T3	65.0	67.8	95.9	86.9	66.0	67.1	98.4	87.8	65.0	66.5	97.7	86.1
U3	92.7	88.0	105.3	123.9	90.1	89.2	101.0	119.8	90.5	89.7	100.9	119.9
A4												
E4	73.0			97.6		73.0				73.0		
F4												
J4	71.0	68.9	103.0	94.9	70.9				70.7			
K4	78.0	80.2	97.2	104.3	81.0				86.0	81.7	105.3	113.9
L4												
N4	73.4	69.8	105.2	98.1		70.6			70.9			
S4	72.0	69.9	103.0	96.2	67.0	70.3	95.3	89.1	69.0	69.8	98.8	91.4
T4	68.5	71.2	96.2	91.6	66.0	70.2	94.0	87.8	66.0	68.8	95.9	87.4
FK86 DATA												
CUR.												
AV.	75.4				76.5				76.2			
CUM.												
AV.	74.8				75.2				75.5			
IND.												
+D	100.8				101.7				100.9			

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

TABLE XVII

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

JUL-AUG, 1986

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	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
C1	6.2	5.8	106.9	98.4	68.3	68.0	100.4	99.6	69.5	69.6	99.8	100.1	18.4	19.5	94.4	95.3	145	158	91.8	100.7
F1	6.9	6.8	101.5	109.5	68.1	68.5	99.4	99.3	68.8	69.3	99.3	99.1	17.6	17.7	99.4	91.2	146	149	98.0	101.4
J1	6.8	6.8	100.0	107.9	68.4	68.8	99.4	99.7	69.2	69.6	99.4	99.7	20.0	19.1	104.7	103.6	138	137	100.7	95.8
M1	5.9	6.5	90.8	93.6	70.2	69.6	100.9	102.3	70.4	69.8	100.8	101.4	19.6	19.8	99.0	101.6	139	142	97.9	96.5
N1	5.3	5.4	98.1	84.1	69.4	69.6	99.7	101.2	69.6	69.8	99.7	100.3	19.6	19.6	100.0	101.6	139	138	100.7	96.5
S1	6.9	6.5	106.2	109.5	67.8	67.8	100.0	98.8	68.5	68.7	99.7	98.7	20.3	20.4	99.5	105.2	141	150	94.0	97.9
T1	6.5	6.5	100.0	103.2	69.0	69.0	100.0	100.6	69.3	69.4	99.8	99.8	19.4	19.0	102.1	100.5	144	141	102.1	100.0
V1	6.0	5.9	101.7	95.2	69.3	69.4	99.8	101.0	69.5	69.6	99.8	100.1	20.0	20.1	99.5	103.6	152	152	100.0	105.6
B2		6.0				68.3				69.7				20.7			140			
I2	6.1	5.7	107.0	96.8	67.8	68.0	99.7	98.8	69.1	69.6	99.3	99.6	18.8	18.9	99.5	97.4	143	142	100.7	99.3
M2	6.8	6.7	101.5	107.9	69.7	69.2	100.7	101.6	69.9	69.4	100.7	100.7	18.5	18.2	101.6	95.8	140	145	96.6	97.2
O2	5.9	5.8	101.7	93.6	67.7	67.7	100.0	98.7	68.3	68.3	100.0	98.4	20.1	20.2	99.5	104.1	146	147	99.3	101.4
Q2	6.4	6.0	106.7	101.6	68.9	68.4	100.7	100.4	69.9	69.8	100.1	100.7	18.2	19.3	94.3	94.3	156	151	102.0	106.9
S2	6.5	6.6	98.5	103.2	69.3	69.6	99.6	101.0	69.5	69.8	99.6	100.1	18.6	19.0	97.9	96.4	142	146	97.3	98.6
I2	6.6	6.7	98.5	104.8	68.7	68.8	99.8	100.1	69.6	69.6	100.0	100.3	18.7	19.6	95.4	96.9	135	136	99.3	93.8
V2	6.0	5.9	101.7	95.2	69.2	69.2	100.0	100.9	69.4	69.4	100.0	100.0	19.8	20.2	98.0	102.6	137	145	94.5	95.1
W2	6.8	6.6	103.0	107.9	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.7	19.1	97.9	96.9	149	156	95.5	103.5
X2		7.0				69.0				69.2				19.4			136			
Z2	6.3	5.9	106.8	100.0	69.0	69.0	100.0	100.6	69.3	69.2	100.1	99.8					142	142	100.0	98.6
G3	6.2			98.4	69.0			100.6	69.2			99.7	19.6			101.6	138			95.8
K3	6.9	7.0	98.6	109.5	69.3	68.9	100.6	101.0	70.0	69.5	100.7	100.9	19.7	19.3	102.1	102.1	138	141	97.9	95.8
M3	6.2	6.5	95.4	98.4	68.2	68.5	99.6	99.4	69.4	69.5	99.8	100.0	20.1	19.9	101.0	104.1	138	134	103.0	95.8
P3	6.0	6.2	96.8	95.2	69.0	68.4	100.9	100.6	70.4	69.6	101.1	101.4	19.4	19.5	99.5	100.5	138	138	100.0	95.8
S3	6.0	5.6	107.1	95.2	68.2	67.8	100.6	99.4	69.4	69.4	100.0	100.0	19.2	18.6	103.2	99.5	133	136	97.8	92.4
T3	6.3	6.3	100.0	100.0	67.1	67.2	99.8	97.8	68.2	68.3	99.8	98.3	19.8	20.0	99.0	102.6	139	141	98.6	96.5
U3	5.6	5.6	100.0	88.9	67.9	67.8	100.1	99.0	69.5	69.4	100.1	100.1	18.3	17.7	103.4	94.8	147	147	100.0	102.1
A4	6.0	6.7	89.6	95.2	68.2	68.9	99.0	99.4	69.6	69.7	99.8	100.3	20.1	20.2	99.5	104.1	136	136	100.0	94.4
F4	6.1	6.4	95.3	96.8	68.8	68.8	100.0	100.3	70.0	69.8	100.3	100.9	17.7	17.7	100.0	91.7	158	178	88.8	109.7
J4	6.0	5.9	101.7	95.2	68.7	68.8	99.8	100.1	68.9	69.3	99.4	99.3	18.1	19.4	93.3	93.8	138	139	99.3	95.8
K4	6.5	6.8	95.6	103.2	68.6	68.4	100.3	100.0	69.6	69.1	100.7	100.3	20.1	19.2	104.7	106.1	147	144	102.1	102.1
N4	6.9	6.9	100.0	109.5	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	20.2	19.2	105.2	104.7	141	138	102.2	97.9
S4	6.5	6.4	101.6	103.2	68.3	68.2	100.1	99.6	69.3	69.2	100.1	99.8	19.6	19.7	99.5	101.6	148	145	102.1	102.8

FK86 DATA

CUR. AV.	6.3	68.7	69.4	19.2	142
CUM. AV.	6.3	68.6	69.4	19.3	144
IND. *D	100.0	100.1	100.0	99.5	98.6

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

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

SEP-OCT, 1966

TABLE XVIII

CODE	MOISTURE CONTENT,			BASIS WT.,			ADJ. BASIS WT.,			CALIPER, PT			BURSTING STRENGTH,							
	AV. %	CUM. %	IND. %	AV. %	CUM. %	IND. %	AV. %	CUM. %	IND. %	AV. %	CUM. %	IND. %	AV. %	CUM. %	IND. %					
C1	6.3	5.9	106.8	100.0	68.1	68.1	100.0	99.3	69.2	69.6	99.4	99.7	19.0	19.3	98.4	98.4	148	155	95.5	102.8
F1	6.9	6.8	101.5	109.5	68.1	68.4	99.6	99.3	68.8	69.2	99.4	99.1	18.0	17.7	101.7	93.3	138	148	93.2	95.8
J1	6.9	6.8	101.5	109.5	69.0	68.8	100.3	100.6	69.7	69.6	100.1	100.4	19.1	19.3	99.0	99.0	140	137	102.2	97.2
M1	6.1	6.2	98.4	96.8	69.4	69.9	99.3	101.2	69.6	70.1	99.3	100.3	19.9	19.7	101.8	103.1	139	140	99.3	96.5
N1	5.4	5.4	100.0	95.7	69.6	69.6	100.0	101.4	69.8	69.8	100.0	100.6	19.8	19.5	101.5	102.6	138	139	99.3	95.8
S1	6.6	6.5	101.5	104.8	67.7	67.8	99.8	98.7	68.6	68.7	99.8	98.8	22.1	20.2	109.4	114.5	144	149	96.6	100.0
F1	6.7	6.5	103.1	106.3	69.0	69.0	100.0	100.6	69.3	69.4	99.8	99.8	19.2	19.1	100.5	99.5	144	142	101.4	100.0
V1	5.9	5.9	100.0	93.6	69.3	69.4	99.8	101.0	69.5	69.6	99.8	100.1	20.1	20.0	100.5	104.1	152	153	99.3	105.6
B2	5.9	5.9			68.4				69.8				20.6				142			
I2	5.9	5.8	101.7	93.6	67.8	68.0	99.7	98.8	69.2	69.5	99.6	99.7	19.1	18.9	101.0	99.0	145	141	102.8	100.7
M2	6.9	6.8	101.5	109.5	69.5	69.4	100.1	101.3	69.7	69.6	100.4	100.4	18.8	18.2	103.3	97.4	141	144	97.9	97.9
O2	5.8	5.8	100.0	92.1	67.6	67.8	99.7	98.5	68.2	68.4	99.7	98.3	20.2	20.2	100.0	104.7	146	147	99.3	101.4
S2	6.4	6.4	103.2	101.6	68.9	68.6	100.4	100.4	69.9	69.8	100.1	100.7	18.0	19.0	94.7	93.3	148	151	98.0	102.8
I2	6.0	6.0	96.7	92.1	69.3	69.2	100.1	101.0	69.5	69.4	100.1	100.1	20.1	20.0	100.5	104.1	139	144	96.5	96.5
V2	5.8	6.0	96.7	92.1	69.3	69.2	100.1	101.0	69.5	69.4	100.1	100.1	20.1	20.0	100.5	104.1	139	144	96.5	96.5
W2	6.7	6.7	100.0	106.3	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.8	19.1	98.4	97.4	153	154	99.4	106.2
X2	7.0	7.0			69.0				69.2				19.6				136			
Z2	6.4	6.0	106.7	101.6	69.2	69.0	100.3	100.9	69.4	69.2	100.3	100.0					142	142	100.0	98.6
G3	6.2	6.2	100.0	98.4	69.4	69.0	100.6	101.2	69.6	69.2	100.6	100.3	19.8	19.6	101.0	102.6	140	138	101.4	97.2
I3	6.6	6.6	104.8	104.8	69.0	69.0	100.6	100.6	69.3	69.3	100.6	100.6	21.1	21.1	109.3	139	139	96.5	96.5	
K3	6.7	7.0	95.7	106.3	68.8	69.0	99.7	100.3	69.6	69.6	100.3	100.3	19.5	19.3	101.0	101.0	137	140	97.8	95.1
M3	6.8	6.4	106.2	107.9	68.6	68.6	100.0	100.0	69.4	69.6	99.7	100.0	20.2	19.9	101.5	104.7	135	134	100.7	93.8
P3	6.0	6.2	96.8	95.2	67.9	68.4	99.3	99.0	69.3	69.6	99.6	99.8	18.8	19.4	96.7	97.4	138	138	100.0	95.8
S3	5.4	5.7	94.7	85.7	67.6	67.9	99.6	98.5	69.4	69.4	100.0	100.0	18.9	18.8	100.5	97.9	138	135	102.2	95.8
T3	6.6	6.3	104.8	104.8	67.3	67.2	100.1	98.1	68.2	68.3	99.8	98.3	20.2	19.9	101.5	104.7	142	140	101.4	98.6
U3	5.6	5.6	100.0	88.9	67.8	67.8	100.0	98.8	69.4	69.4	100.0	100.0	18.1	17.8	101.7	93.8	149	148	100.7	103.5
A4	6.4	6.4			68.6				69.6				20.2				136			
F4	6.2	6.2	100.0	98.4	69.1	68.8	100.4	100.7	70.3	69.9	100.6	101.3	18.7	17.7	105.6	96.9	171	168	101.8	118.8
J4	6.1	6.0	101.7	96.8	68.6	68.8	99.7	100.0	68.8	69.3	99.3	99.1	19.5	19.2	101.6	101.0	133	139	95.7	92.4
K4	6.0	6.8	88.2	95.2	67.9	68.4	99.3	99.0	69.3	69.2	100.1	99.8	18.4	19.3	95.3	95.3	142	144	98.6	98.6
M4	7.1	6.9	102.9	112.7	69.8	69.0	101.2	101.7	70.0	69.2	101.2	100.9	19.4	19.4	100.0	100.5	168	139	120.9	116.7
S4	5.8	6.5	89.2	92.1	67.9	68.2	99.6	99.0	69.4	69.2	100.3	100.0	19.1	19.8	96.5	99.0	147	145	101.4	102.1

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

NOV-DEC, 1966

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	
C1	6.2	5.9	105.1	98.4	68.2	68.2	100.0	99.4	69.4	69.6	99.7	100.0	19.7	19.2	102.6	102.1	143	153	93.5	99.3	
F1	6.9	6.8	101.5	109.5	68.2	68.3	99.8	99.4	68.9	69.1	99.7	99.3	17.8	17.8	100.0	92.2	142	146	97.3	98.6	
J1	6.6	6.8	97.0	104.8	68.3	68.8	99.3	99.6	69.2	69.6	99.4	99.7	19.4	19.4	100.0	100.5	140	137	102.2	97.2	
M1	6.0	6.2	96.8	95.2	69.4	69.7	99.6	101.2	69.6	69.9	99.6	100.3	20.2	19.8	102.0	104.7	138	140	98.6	95.8	
N1	5.5	5.4	101.8	87.3	69.4	69.6	99.7	101.2	69.6	69.8	99.7	100.3	19.5	19.5	100.0	101.0	141	139	101.4	97.9	
S1	6.6	6.5	101.5	104.8	67.5	67.7	99.7	98.4	68.4	68.6	99.7	98.6	20.7	20.4	101.5	107.2	142	148	95.9	98.6	
T1	6.8	6.6	103.0	107.9	69.0	69.0	100.0	100.6	69.3	69.4	99.8	99.8	19.3	19.2	100.5	100.0	146	142	102.8	101.4	
V1	5.8	5.9	98.3	92.1	69.2	69.4	99.7	100.9	69.4	69.6	99.7	100.0	20.2	20.0	101.0	104.7	153	154	99.4	106.2	
B2		5.8				68.3				69.8				20.3					142		
I2	5.6	5.8	96.6	88.9	67.4	67.9	99.3	98.2	69.0	69.4	99.4	99.4	18.9	18.9	100.0	97.9	144	142	101.4	100.0	
M2	6.8	6.8	100.0	107.9	69.6	69.5	100.1	101.4	69.8	69.7	100.1	100.6	18.4	18.3	100.5	95.3	148	144	102.8	102.8	
O2	6.0	5.8	103.4	95.2	67.7	67.7	100.0	98.7	68.3	68.3	100.0	98.4	20.3	20.3	100.0	105.2	143	146	97.9	99.3	
Q2	6.4	6.2	103.2	101.6	68.8	68.7	100.1	100.3	69.8	69.9	99.8	100.6	18.2	18.8	96.8	94.3	155	151	102.6	107.6	
S2	6.1	6.5	93.8	96.8	69.1	69.4	99.6	100.7	69.3	69.6	99.6	99.8	19.0	18.8	101.1	98.4	142	144	98.6	98.6	
T2		6.5				68.7				69.7				19.6				136			
V2	5.8	6.0	96.7	92.1	69.3	69.2	100.1	101.0	69.5	69.4	100.1	100.1	20.7	20.0	103.5	107.2	145	144	100.7	100.7	
M2	6.6	6.7	98.5	104.8	68.9	69.0	99.8	100.4	69.1	69.2	99.8	99.6	18.5	19.0	97.4	95.8	149	153	97.4	103.5	
X2		7.0				68.9				69.1				19.4				135			
Z2	6.5	6.0	108.3	103.2	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.8					144	142	101.4	100.0	
G3		6.2				69.2				69.4				19.7				139			
I3		6.6				69.0				69.3				21.1				139			
K3	7.0	6.9	101.4	111.1	68.8	69.0	99.7	100.3	69.4	69.6	99.7	100.0	19.2	19.4	99.0	99.5	136	139	97.8	94.4	
H3	6.7	6.5	103.1	106.3	68.5	68.6	99.8	99.8	69.3	69.6	99.6	99.8	20.4	20.0	102.0	105.7	136	135	100.7	94.4	
P3	6.4	6.2	103.2	101.6	68.3	68.4	99.8	99.6	69.3	69.5	99.7	99.8	19.1	19.4	98.4	99.0	138	138	100.0	95.8	
S3	5.7	5.6	101.8	90.5	67.8	67.9	99.8	98.8	69.4	69.4	100.0	100.0	19.1	18.9	101.0	99.0	137	136	100.7	95.1	
T3	6.9	6.4	107.8	109.5	67.2	67.2	100.0	98.0	67.9	68.2	99.6	97.8	20.3	19.9	102.8	105.2	138	141	97.9	95.8	
U3	5.7	5.6	101.8	90.5	67.8	67.8	100.0	98.8	69.4	69.4	100.0	100.0	19.4	17.8	109.0	100.5	153	148	103.4	106.2	
A4		6.4				68.6				69.6				20.2				136			
F4	7.2	6.2	116.1	114.3	69.0	68.9	100.1	100.6	69.5	70.0	99.3	100.1	18.4	18.0	102.2	95.3	174	169	103.0	120.8	
J4	6.0	6.0	100.0	95.2	68.7	68.8	99.8	100.1	69.3	69.2	100.1	99.8	19.0	19.0	100.0	98.4	137	138	99.3	95.1	
K4	6.8	6.6	103.0	107.9	68.5	68.4	100.1	99.8	69.3	69.2	100.1	99.8	19.3	19.2	100.5	100.0	144	144	100.0	100.0	
N4	7.1	6.9	102.9	112.7	69.1	69.1	100.0	100.7	69.3	69.4	99.8	99.8	19.4	19.5	99.5	100.5	152	144	105.6	105.6	
S4	6.0	6.4	93.8	95.2	67.9	68.2	99.6	99.0	69.3	69.3	100.0	99.8	18.8	19.7	95.4	97.4	147	146	100.7	102.1	
FKBG DATA																					
CUR.																					
AV.	6.4				68.5				69.2				19.4				145				
CUM.																					
AV.	6.3				68.6				69.4				19.3				144				
IND.																					
*D	101.6				99.8				99.7				100.5				100.7				

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.

	JUL-AUG, 1986				SEP-OCT, 1986				NOV-DEC, 1986			
	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
C1	105.0	106.6	98.5	87.0		104.7			98.0	103.2	95.0	81.0
F1	115.3	107.8	107.0	95.5	113.4	109.7	103.4	93.7	116.5	110.3	105.6	96.4
J1												
M1												
N1	121.0	130.0	93.1	100.2	115.0	127.3	90.3	95.0	119.0	124.2	95.8	98.4
S1												
T1	123.0	128.3	95.9	101.9	120.0	127.9	93.8	99.2	134.0	127.2	105.3	110.8
V1	118.0	116.7	101.1	97.8	117.0	116.4	100.5	96.7	103.0	115.8	88.9	85.2
B2		134.0				138.5				139.1		
I2	116.0	120.2	96.5	96.1	119.0	120.2	99.0	98.3	116.0	120.2	96.5	95.9
M2	107.9	112.4	96.0	89.4	112.4	111.2	101.1	92.9	113.4	111.3	101.9	93.8
O2	109.0	113.8	95.8	90.3	114.0	112.0	101.8	94.2	117.0	110.2	106.2	96.8
Q2	145.9	142.7	102.2	120.9	144.5	144.9	99.7	119.4	141.4	145.4	97.2	117.0
S2												
T2												
V2	119.0	117.5	101.3	98.6	107.0	118.0	90.7	88.4	112.0	116.5	96.1	92.6
M2												
X2		125.0				125.2				123.3		
Z2	124.5	122.3	101.8	103.1	120.0	124.2	96.6	99.2	132.5	125.3	105.7	109.6
G3												
I3					122.0		100.8		122.0			
K3	122.0	119.7	101.9	101.1	121.0	120.1	100.7	100.0	116.0	120.7	96.1	95.9
N3	115.0	116.7	98.5	95.3	108.0	117.2	92.2	89.2	103.0	115.3	89.3	85.2
P3	132.0	128.9	102.4	109.4	133.5	130.4	102.4	110.3	134.0	132.1	101.4	110.8
S3	107.5	111.1	96.8	89.1	120.5	111.1	108.5	99.6	122.0	112.8	108.2	100.9
T3	117.0	116.0	100.9	96.9	115.0	116.2	99.0	95.0	106.0	116.4	91.1	87.7
U3	141.2	136.5	103.4	117.0	140.7	137.8	102.1	116.3	141.8	138.4	102.4	117.3
A4												
F4												
J4	114.0	111.6	102.2	94.4	116.0	112.0	103.6	95.9	116.0	112.4	103.2	95.9
K4	130.0	139.0	93.5	107.7	134.0	137.5	97.4	110.7		137.8		
M4	128.6	117.9	109.1	106.5		120.0				121.0		
S4	115.0	113.5	101.3	95.3	110.0	114.2	96.3	90.9	119.0	114.4	104.0	98.4
FABG DATA												
CUR.												
AV.	120.3				120.2				119.0			
CUM.												
AV.	120.7				121.0				120.9			
IND.												
*D	99.7				99.3				98.4			

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  
 JUL-AUG, 1986

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
C1	5.9	5.8	101.7	89.4	88.9	88.9	100.0	99.4	90.8	90.8	100.0	100.3	24.2	25.7	94.2	95.6	170	180	94.4	100.0
F1	6.9	6.9	100.0	104.5	89.1	89.5	99.6	99.7	90.0	90.4	99.6	99.4	23.6	23.4	100.8	93.3	181	182	99.4	106.5
J1	7.1	7.0	101.4	107.6	89.6	89.6	100.0	100.2	90.3	90.3	100.0	99.8	26.0	25.9	100.4	102.8	151	158	95.6	88.8
T1	6.7	6.8	98.5	101.5	89.8	90.0	99.8	100.4	90.2	90.4	99.8	99.7	25.1	25.9	96.9	99.2	162	180	90.0	95.3
I2	6.4	6.0	106.7	97.0	89.0	89.2	99.8	99.8	90.3	91.0	99.2	99.8	24.2	24.9	97.2	95.6	165	162	101.8	97.0
D2	8.3	8.4	98.8	125.8	89.4	88.8	100.7	100.0	90.2	89.6	100.7	99.7	27.5	26.6	103.4	108.7	175	178	98.3	102.9
S2	6.4	6.7	95.5	97.0	90.8	90.7	100.1	101.6	91.1	91.0	100.1	100.7	24.1	24.5	98.4	95.2	187	182	102.7	110.0
V2	6.1	5.9	103.4	92.4	90.6	90.3	100.3	101.3	90.9	90.6	100.3	100.4	25.4	26.6	95.5	100.4	167	165	101.2	98.2
M2	6.8	6.5	104.6	103.0	90.1	90.0	100.1	100.8	90.4	90.4	100.0	99.9	24.5	24.8	98.8	96.8	172	186	92.5	101.2
M3	6.2	6.2	100.0	93.9	89.4	89.3	100.1	100.0	90.9	90.8	100.1	100.4	26.7	26.2	101.9	105.5	169	165	102.4	99.4
P3	6.6	6.5	101.5	100.0	89.5	89.7	99.8	100.1	90.7	91.0	99.7	100.2	25.4	26.6	95.5	100.4	157	155	101.3	92.4
U3	5.6	5.7	98.2	84.8	88.7	88.6	100.1	99.2	90.8	90.7	100.1	100.3	23.3	23.2	100.4	92.1	172	170	101.2	101.2
N4	6.9	6.8	101.5	104.5	89.9	89.8	100.1	100.6	90.2	90.1	100.1	99.7	26.6	25.5	104.3	105.1	166	163	101.8	97.6
S4	7.1	6.6	107.6	107.6	89.7	89.1	100.7	100.3	90.4	90.2	100.2	99.9	25.0	25.1	99.6	98.8	173	177	97.7	101.8
FKBG DATA																				
CUR.																				
AV. 6.6																				
CUM.																				
AV. 6.6																				
IND.																				
*D 100.0																				
100.2																				
100.0																				
99.2																				
99.4																				

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  
SEP-OCT, 1986

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	
C1	6.4	5.8	110.3	97.0	89.0	89.0	100.0	99.6	90.3	90.9	99.3	99.8	23.7	25.3	93.7	93.7	164	179	91.6	96.5	
F1	6.9	6.9	100.0	104.5	89.1	89.4	99.7	99.7	90.0	90.3	99.7	99.4	24.2	23.4	103.4	95.6	172	180	95.6	101.2	
J1	7.1	7.0	101.4	107.6	90.0	89.6	100.4	100.7	90.7	90.3	100.4	100.2	25.8	25.9	99.6	102.0	163	157	103.8	95.9	
T1		6.7				89.8				90.2				25.1				162			
I2	6.4	6.1	104.9	97.0	89.0	89.1	99.9	99.6	90.3	90.8	99.4	99.8	24.5	24.8	98.8	96.8	166	162	102.5	97.6	
O2	7.8	8.4	92.8	118.2	89.0	88.8	100.2	99.6	89.8	89.6	100.2	99.2	26.7	26.8	99.6	105.5	175	178	98.3	102.9	
S2	6.3	6.6	95.4	95.4	90.2	90.7	99.4	100.9	90.5	91.0	99.4	100.0	23.5	24.4	96.3	92.9	183	183	100.0	107.6	
V2		5.9				90.4				90.7				26.2				166			
N2	6.9	6.6	104.5	104.5	90.0	90.0	100.0	100.7	90.3	90.4	99.9	99.8	23.7	24.8	95.6	93.7	194	177	109.6	114.1	
N3	6.2	6.2	100.0	93.9	89.5	89.4	100.1	100.1	91.0	91.0	100.0	100.6	26.5	26.2	101.1	104.7	162	166	97.6	95.3	
P3	6.6	6.6	100.0	100.0	89.4	89.7	99.7	100.0	90.5	90.9	99.6	100.0	25.6	26.3	97.3	101.2	158	155	101.9	92.9	
U3	5.7	5.7	100.0	86.4	88.5	88.6	99.9	99.0	90.5	90.6	99.9	100.0	24.2	23.3	103.9	95.6	178	171	104.1	104.7	
N4	7.4	6.8	108.8	112.1	90.0	89.8	100.2	100.7	90.3	90.1	100.2	99.8	27.3	25.6	106.6	107.9	181	164	110.4	106.5	
S4	6.3	6.8	92.6	95.4	88.8	89.2	99.6	99.3	90.2	90.2	100.0	99.7	24.5	25.1	97.6	96.8	180	176	102.3	105.9	
FKBG DATA																					
CUR.																					
AV.	6.7				89.4				90.4				25.0				173				
CUM.																					
AV.	6.6				89.4				90.5				25.3				170				
IND.																					
*D	101.5				100.0				99.9				98.8				101.8				

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  
 NOV-DEC, 1986

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
C1	6.4	5.9	108.5	97.0	89.2	89.0	100.2	99.8	90.5	90.9	99.6	100.0	25.9	25.0	103.6	102.8	158	176	89.8	92.9
F1	6.8	6.9	98.6	103.0	89.1	89.4	99.7	99.7	90.1	90.2	99.9	99.6	23.8	23.6	100.8	94.4	172	179	96.1	101.2
J1	7.1	7.0	101.4	107.6	89.6	89.6	100.0	100.2	90.3	90.4	99.9	99.8	25.6	25.9	98.8	101.6	166	157	105.7	97.6
T1		6.7				89.8				90.2				25.1				162		
I2	5.8	6.2	93.5	87.9	87.9	89.1	98.6	98.3	89.8	90.7	99.0	99.2	23.5	24.5	95.9	93.2	166	162	102.5	97.6
D2	8.5	8.2	103.6	128.8	89.3	88.9	100.4	99.9	90.1	89.7	100.4	99.6	26.7	26.8	99.6	106.0	174	177	98.3	102.4
S2	6.0	6.5	92.3	90.9	90.0	90.6	99.3	100.7	90.3	90.9	99.3	99.8	23.9	24.2	98.8	94.8	190	183	103.8	111.8
V2		6.0				90.4				90.7				25.8				168		
W2	7.0	6.7	104.5	106.1	90.2	90.0	100.2	100.9	90.5	90.4	100.1	100.0	24.4	24.6	99.2	96.8	184	182	101.1	108.2
M3	6.3	6.2	101.6	95.4	89.4	89.5	99.9	100.0	90.8	91.0	99.8	100.3	26.7	26.4	101.1	106.0	167	166	100.6	98.2
P3	6.7	6.6	101.5	101.5	89.4	89.6	99.8	100.0	90.5	90.8	99.7	100.0	25.4	26.1	97.3	100.8	158	156	101.3	92.9
U3	5.8	5.7	101.8	87.9	88.7	88.6	100.1	99.2	90.7	90.6	100.1	100.2	25.3	23.5	107.6	100.4	171	172	99.4	100.6
N4	6.8	6.9	98.6	103.0	89.9	89.9	100.0	100.6	90.2	90.2	100.0	99.7	26.3	26.0	101.2	104.4	192	167	115.0	112.9
S4	6.4	6.8	94.1	97.0	88.9	89.2	99.7	99.4	90.2	90.2	100.0	99.7	25.0	25.0	100.0	99.2	174	176	98.9	102.4
FK86 DATA																				
CUR.																				
AV. 6.6																				
CUM.																				
AV. 6.6																				
IND.																				
*D 100.0																				
89.3																				
90.3																				
25.2																				
173																				
89.4																				
90.5																				
25.2																				
170																				
99.9																				
99.8																				
100.0																				
101.8																				

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

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB. FORDRIMIER KRAFT LIMEBOARD

RING COMPRESSION, LBS.

TABLE XXII

MACHINE DATA		MACHINE DATA		MACHINE DATA	
IND.	AV.	IND.	AV.	IND.	AV.
JUL-AUG, 1986					
C1	119.0	137.5	66.5	77.2	118.0
J1	154.4	152.5	101.2	100.2	153.2
T1	134.0	160.0	74.4	67.0	134.0
I2	153.0	150.8	101.4	99.3	140.0
Q2	133.0	137.9	96.4	86.3	144.0
S2	138.0	149.0	92.6	89.6	146.2
W2	150.0	154.3	97.2	97.3	138.0
N3	177.5	167.6	105.9	115.2	161.5
U3	187.2	179.9	104.0	121.5	184.9
M4	152.0	152.0	153.4	153.4	153.4
S4	145.0	146.7	98.8	94.1	142.0
SEP-OCT, 1986					
IND.	AV.	IND.	AV.	IND.	AV.
C1	118.0	128.8	91.6	77.2	118.0
J1	153.0	153.3	100.3	100.6	153.0
T1	138.0	151.0	91.4	90.2	134.0
I2	153.0	133.2	114.9	100.1	142.5
Q2	139.0	150.6	92.3	90.9	139.0
W2	152.0	147.2	103.3	99.4	152.0
N3	173.0	173.7	99.6	113.1	173.0
U3	186.8	181.5	102.9	122.2	186.8
M4	152.0	152.0	153.0	153.0	152.0
S4	142.0	147.0	96.6	92.8	142.0
NOV-DEC, 1986					
IND.	AV.	IND.	AV.	IND.	AV.
C1	118.0	128.8	91.6	77.2	118.0
J1	153.0	153.3	100.3	100.6	153.0
T1	138.0	151.0	91.4	90.2	134.0
I2	153.0	133.2	114.9	100.1	142.5
Q2	139.0	150.6	92.3	90.9	139.0
W2	152.0	147.2	103.3	99.4	152.0
N3	173.0	173.7	99.6	113.1	173.0
U3	186.8	181.5	102.9	122.2	186.8
M4	152.0	152.0	153.0	153.0	152.0
S4	142.0	147.0	96.6	92.8	142.0

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 period varies for these reasons: a machine must have (a) produced at least 500 tons of the pertinent grade weight during the specified period, or (b) produced 500 tons of the pertinent grade weight during any one or more of the 12 months prior to the specified period (so that a cumulative average is available), to be included in a given table.

TABLE XXV

DATA ON CONDITIONING AND TESTING ENVIRONMENTS  
 JUL-AUG, SEP-OCT, NOV-DEC, 1986

Code	Conditioning Environment			Testing Environment	
	Are Quality Samples Conditioned Before Testing?	Time	Temp., °F	Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?	Testing Environment
C1	No	--	--	Yes:	73°F; 50% RH
E1	Yes	--	--	Yes:	73 ± 2°F; 50 ± 2% RH
F1	No	--	--	Yes:	73 ± 2°F; 50 ± 2% RH
H1	No	--	--	Yes:	73 ± 2°F; 50 ± 2% RH
J1	No	--	--	Yes:	72 ± 5°F; 50 ± 5% RH
M1	No	--	--	Yes:	73 ± 2°F; 50 ± 2% RH
N1	No	--	--	Yes:	72 ± 2°F; 50 ± 2% RH
O1	No	--	--	No	
P1	No	--	--	Yes:	72 ± 3°F; 50 ± 2% RH
R1	No	--	--	Yes:	72 ± 3°F; 50 ± 2% RH
S1	Yes	15 min	--	Yes:	73 ± 2°F; 50 ± 1% RH
T1	No	--	--	Yes:	73 ± 2°F; 50 ± 2% RH
U1	No	--	--	Yes:	70 ± 2°F; 50 ± 2% RH
V1	No	--	--	No	
W1	No	--	--	No	
Z1	No	--	--	Yes:	73 ± 3°F; 50 ± 1% RH
A2	No	--	--	Yes:	73 ± 3°F; 50 ± 3% RH
B2	No	--	--	Yes:	73 ± 3.5°F; 50 ± 2% RH
I2	Yes	10 min	70	Yes:	70 ± 4°F; 50 ± 5% RH
K2	No	--	--	Yes:	73°F; 50% RH
M2	No	--	--	No	
O2	No	--	--	Yes:	70 ± 2°F; 50 ± 2% RH
P2	No	--	--	Yes:	73 ± 3.5°F; 50 ± 2% RH
Q2	No	--	--	Yes:	73 ± 3.5°F; 50 ± 2% RH
S2	No	--	--	Yes:	73 ± 2°F; 50 ± 2% RH
T2	Yes	--	--	Yes:	73 ± 2°F; 50 ± 2% RH
U2	Yes	10 min	--	Yes:	72 ± 2°F; 50 ± 2% RH
V2	No	--	--	Yes:	72 ± 3°F; 50 ± 2% RH
W2	No	--	--	Yes:	73°F; 50% RH
X2	No	--	--	Yes:	73 ± 2°F; 50 ± 2% RH
Z2	No	--	--	No	
G3	No	--	--	Yes:	73 ± 2°F; 50 ± 2% RH
I3	No	--	--	Yes:	73 ± 3°F; 50 ± 2% RH
K3	No	--	--	Yes:	72 ± 3°F; 50 ± 2% RH
L3	No	--	--	Yes:	73 ± 2°F; 50 ± 2% RH
M3	Yes	10 min	70	Yes:	70 ± 4°F; 50 ± 5% RH
N3	Yes	10 min	--	Yes:	72 ± 2°F; 50 ± 2% RH
P3	No	--	--	No	
S3	No	--	--	No	
T3	No	--	--	Yes:	75 ± 2°F; 50 ± 2% RH
U3	No	--	--	Yes:	73 ± 3°F; 50 ± 3% RH
A4	No	--	--	Yes:	72 ± 5°F; 50 ± 5% RH
E4	No	--	--	Yes:	72 ± 2°F; 50 ± 2% RH
F4	Yes	--	--	Yes:	73 ± 2°F; 50 ± 2% RH
J4	No	--	--	No	
K4	No	--	--	Yes:	73°F; 50% RH
L4	No	--	--	Yes:	73 ± 2°F; 50 ± 2% RH
M4	No	--	--	Yes:	73 ± 2°F; 50 ± 2% RH
N4	Yes	7 min	--	Yes:	73 ± 2°F; 50 ± 2% RH
Q4	No	--	--	Yes:	73 ± 3°F; 50 ± 1% RH
S4	No	--	--	Yes:	72 ± 2°F; 50 ± 1% RH
T4	Yes	10 min	70	Yes:	70 ± 4°F; 50 ± 5% 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

$$\text{Cumulative machine average} = \sum \frac{\text{CMA's}^a \text{ for previous 6 periods} \\ \text{excluding CMA for current period}}{6}$$

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

$$\text{Cumulative F.K.B.G. average} = \sum \frac{\text{CFKBGA's}^b \text{ for previous 6 periods} \\ \text{excluding CFKBGA for current period}}{6}$$

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

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

<sup>a</sup>CMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given period on a specific machine.

<sup>b</sup>CFKBGA = current F.K.B.G. average for a specific physical property of a specific linerboard grade weight obtained during a given period.

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