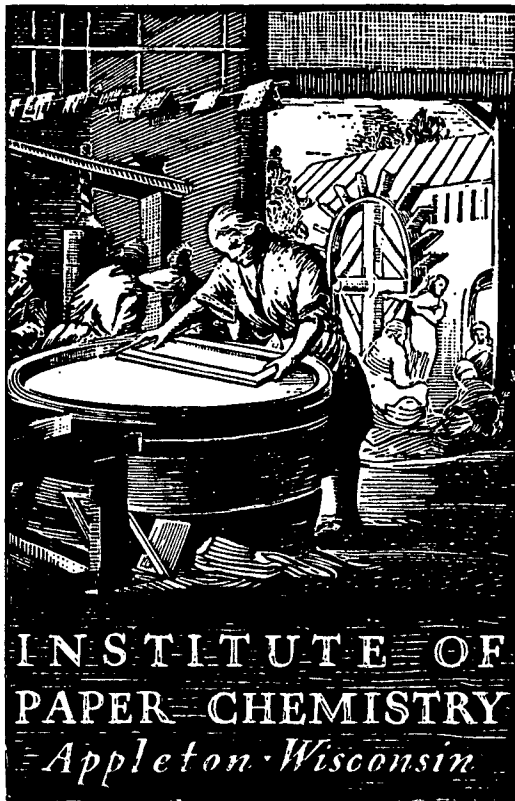


**BASE-LINE**  
4th Quarter, 1985



**INSTITUTE OF  
PAPER-CHEMISTRY**  
*Appleton-Wisconsin*

**CONTINUOUS BASE-LINE STUDY (MODIFIED)  
(MILL LINERBOARD DATA FOR  
OCTOBER, NOVEMBER, DECEMBER, 1985)**

**Project 2694-1**

**Report Ninety-Eight  
A Progress Report**

**to**

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

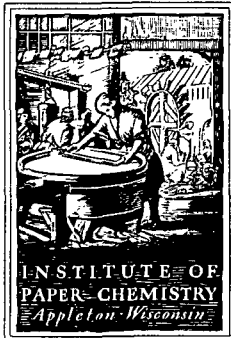
**March 1, 1986**

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

March 1, 1986

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-Eight, Project 2694-1 a progress report entitled, "Continuous Baseline Study (Modified); Mill Linerboard Data for October, November, December, 1985" dated March 1, 1986

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.

The FKBG Technical Committee has requested that future reports for this project be issued semi-annually instead of quarterly. Therefore the next report will be issued September 1, 1986.

Sincerely,

Roger H. Van Eperen  
Research Associate  
Paper Materials Division

RHV/1es  
Enclosure

GEORGIA-PACIFIC CORP.

Your machines are identified  
in this report by the  
following codes.

Monticello	Machine	#1	P3
Monticello		#2	B3

Toledo		#1	W1
Toledo		#3	E3

BASE-LINE  
4th QUARTER, 1985

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)  
(MILL LINERBOARD DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1985)

Project 2694-1

Report Ninety-Eight

A Progress Report

to

FOURDRINIER KRAFT BOARD GROUP

OF THE

AMERICAN PAPER INSTITUTE

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March 1, 1986

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)  
(MILL LINERBOARD DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1985)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA  
(SEP-DEC, 1985)

Linerboard Grade Wt.		Moisture Content			
		SEP	OCT	NOV	DEC
26 Lb	Max.	6.4	6.9	6.1	6.9
	Min.	3.4	3.1	3.5	3.5
	Ave.	5.1(18)	5.1(20)	5.0(15)	5.2(19)
33 Lb	Max.	7.2	7.1	6.1	6.5
	Min.	4.2	4.2	4.0	4.2
	Ave.	5.4(29)	5.3(27)	5.3(22)	5.5(21)
38 Lb	Max.	6.4	6.3	6.5	6.3
	Min.	5.0	4.0	3.5	3.3
	Ave.	5.7(18)	5.6(20)	5.5(18)	5.5(18)
42 Lb	Max.	6.6	6.6	6.7	6.5
	Min.	4.2	4.1	4.0	4.3
	Ave.	5.8(39)	5.8(40)	5.8(40)	5.7(38)
69 Lb	Max.	7.2	7.1	7.2	7.2
	Min.	5.4	5.0	4.7	5.3
	Ave.	6.2(28)	6.2(28)	6.2(27)	6.2(27)
90 Lb	Max.	8.6	8.3	8.6	7.0
	Min.	5.7	5.6	5.5	5.6
	Ave.	6.5(12)	6.5(12)	6.6(10)	6.4( 9)

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

PART II: SUMMARY OF ADJUSTED BASIS HEIGHT DATA  
(SEP-DEC, 1965)

Lincolnwood Grade Mt.	Adjusted Basis Height, lb/M sq ft				
	SEP	OCT	NOV	DEC	
26 Lb	Max.	27.5	27.4	27.1	27.6
	Min.	25.9	26.1	26.1	25.9
	Avg.	26.4(12)	26.4(20)	26.5(15)	26.5(19)
32 Lb	Max.	34.0	34.4	33.6	34.0
	Min.	32.6	32.6	32.9	32.6
	Avg.	33.3(29)	33.4(27)	33.4(22)	33.4(21)
38 Lb	Max.	41.6	42.6	40.1	42.1
	Min.	37.9	38.1	37.9	38.1
	Avg.	38.6(12)	38.6(20)	38.5(18)	38.8(18)
42 Lb	Max.	43.3	42.9	43.1	42.9
	Min.	41.6	41.6	41.5	41.5
	Avg.	42.3(39)	42.3(46)	42.3(40)	42.3(38)
69 Lb	Max.	70.1	69.9	70.3	70.2
	Min.	68.5	68.3	68.1	68.2
	Avg.	69.4(22)	69.4(28)	69.4(27)	69.4(27)
90 Lb	Max.	91.3	91.3	91.3	91.7
	Min.	89.7	89.3	89.6	90.2
	Avg.	90.5(12)	90.4(12)	90.5(18)	90.7( 9)

Max. and Min. values are current machine averages.

Avg. value is current F.M.S.G. average, number of machines is indicated in parentheses.

**PART III: SUMMARY OF CALIPER DATA  
(SEP-DEC, 1985)**

Linerboard Grade Mt.	Caliper, pt.				
	SEP	OCT	NOV	DEC	
26 Lb	Max.	8.8	9.2	8.9	8.6
	Min.	7.1	6.5	6.9	7.0
	Ave.	7.9(18)	8.0(20)	8.0(15)	7.8(19)
33 Lb	Max.	10.9	11.0	11.3	10.8
	Min.	8.4	8.7	8.7	8.5
	Ave.	9.7(28)	10.0(26)	9.9(21)	9.8(20)
38 Lb	Max.	11.5	11.7	11.8	11.7
	Min.	9.3	10.0	9.2	9.4
	Ave.	10.8(17)	10.9(18)	10.8(17)	10.8(17)
42 Lb	Max.	12.8	12.7	12.8	12.9
	Min.	10.4	10.3	10.7	10.3
	Ave.	11.8(38)	11.8(39)	11.8(39)	11.9(36)
69 Lb	Max.	21.8	21.2	20.5	20.9
	Min.	17.4	17.4	17.7	17.6
	Ave.	19.4(27)	19.3(27)	19.3(26)	19.5(25)
90 Lb	Max.	27.1	26.9	26.8	26.7
	Min.	23.1	22.5	23.5	24.7
	Ave.	25.3(12)	25.3(12)	25.6( 9)	25.6( 8)

-----  
Max. and Min. values are current machine averages.

Ave. value is current F.M.E.G. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA  
(SEP-DEC, 1963)

Linerboard Grade Wt.	Bursting Strength, psi				
	SEP	OCT	NOV	DEC	
26 LB	Max.	66	63	66	93
	Min.	64	62	67	65
	Ave.	73(10)	73(20)	74(19)	76(19)
33 LB	Max.	94	90	93	107
	Min.	79	75	78	78
	Ave.	86(29)	86(27)	86(22)	87(21)
38 LB	Max.	107	105	109	125
	Min.	89	88	93	86
	Ave.	95(12)	97(20)	98(18)	100(18)
42 LB	Max.	120	122	122	127
	Min.	99	99	100	91
	Ave.	106(39)	106(40)	106(40)	105(38)
69 LB	Max.	159	160	164	158
	Min.	134	133	134	130
	Ave.	144(28)	143(28)	144(27)	144(27)
90 LB	Max.	184	184	188	180
	Min.	156	153	154	153
	Ave.	171(12)	170(12)	172(10)	166( 9)

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

**PART V: SUMMARY OF CD RING CRUSH DATA  
(SEP-DEC, 1985)**

Linerboard Grade Wt.	CD Ring Crush, lb				
	SEP	OCT	NOV	DEC	
26 Lb	Max.	50.0	54.7	52.0	51.0
	Min.	31.0	31.0	32.7	31.2
	Ave.	40.9(13)	39.9(14)	39.4( 9)	41.0(13)
33 Lb	Max.	66.0	67.8	71.0	69.0
	Min.	44.0	43.0	47.0	45.0
	Ave.	55.5(20)	55.3(18)	54.5(16)	55.7(16)
38 Lb	Max.	80.9	82.7	88.7	97.0
	Min.	58.8	50.0	57.0	58.0
	Ave.	69.0(15)	67.6(16)	68.4(15)	70.7(15)
42 Lb	Max.	87.0	101.0	103.0	97.1
	Min.	63.0	60.0	56.0	60.0
	Ave.	74.5(31)	75.0(30)	74.3(30)	75.8(29)
69 Lb	Max.	143.2	140.6	145.7	146.8
	Min.	107.0	109.0	99.2	87.0
	Ave.	119.8(22)	121.3(21)	120.5(21)	121.6(22)
90 Lb	Max.	182.0	180.3	187.0	184.0
	Min.	139.0	142.0	120.0	137.3
	Ave.	153.6( 9)	156.6( 9)	148.6( 8)	160.0( 7)

-----  
Max. and Min. values are current machine averages.

Ave. value is current F.M.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, 1985**

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
B1	4.8	4.9	98.0	92.3	25.8	26.3	98.1	99.2	26.7	27.2	98.2	100.8	7.2	8.0	90.0	91.1	76	75	101.3	105.6
D1	4.8	5.0	96.0	92.3	26.0	26.2	99.2	100.0	26.1	26.3	99.2	98.5	7.6	8.0	95.0	96.2	67	68	98.5	93.0
L1	6.1	6.1	100.0	117.3	26.4	26.3	100.4	101.3	26.5	26.4	100.4	100.0	8.0	8.1	98.8	101.3	72	72	108.3	108.3
R1	6.9	6.5	106.2	132.7	26.0	26.0	100.0	100.6	26.1	26.0	100.4	98.5	8.0	7.8	102.6	101.3	64	67	95.5	88.9
V1	4.4	3.8	115.8	84.6	26.3	26.4	99.6	101.2	26.4	26.5	99.6	99.6	8.4	8.3	101.2	106.3	85	85	100.0	118.0
X1	4.1	3.9	105.1	78.8	25.7	25.6	100.4	98.8	26.7	26.7	100.0	100.8	7.5	7.6	98.7	94.9	73	74	98.6	101.4
O2		4.4				25.3				26.2				7.6			78			
E2	3.6	3.5	102.8	69.2	26.2	25.4	103.1	100.8	27.4	26.6	103.0	103.4	8.4	8.7	96.6	106.3	70	69	101.4	97.2
F2	5.6	6.0	93.3	107.7	26.1	26.0	100.4	100.4	26.7	26.6	100.4	100.8	7.8	7.6	102.6	98.7	73	71	102.8	101.4
Q2	6.0	6.0	100.0	115.4	25.6	25.5	100.4	98.5	26.1	26.0	100.4	98.5	8.1	8.0	101.2	102.5	71	71	100.0	98.6
Q2	3.1	5.5	96.4	59.6	26.0	26.0	100.0	100.0	26.2	26.2	100.0	98.9	8.6	8.9	96.6	108.9	62	66	93.9	86.1
X2	4.4	4.7	93.6	84.6	25.2	25.4	99.2	96.9	26.1	26.3	99.2	98.5	8.6	8.3	103.6	108.9	71	76	93.4	98.6
C3	5.9	5.8	101.7	113.5	26.1	26.1	100.0	100.4	26.2	26.2	100.0	98.9	8.3	7.9	105.1	105.1	67	67	100.0	93.0
E3	5.4	5.4	100.0	103.8	25.9	25.7	100.8	99.8	26.1	25.9	100.8	98.5	8.6	8.4	102.4	108.9	70	70	100.0	97.2
F3		6.2				26.0				26.1				7.8			65			
G3	5.0	5.0	100.0	96.2	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	8.0	7.9	101.3	101.3	71	71	100.0	98.6
I3	5.3	5.0	106.0	101.9	25.4	25.5	99.6	97.7	26.1	26.2	99.6	98.5	9.2	8.1	113.6	116.4	78	80	97.5	108.3
J3	5.6	5.0	112.0	107.7	26.1	26.2	99.6	100.4	26.7	27.0	98.9	100.8	8.3	7.9	105.1	105.1	82	81	101.2	113.9
K3	4.1	3.5	117.1	78.8	25.6	26.6	96.2	98.5	26.6	27.9	95.3	100.4	7.1	7.3	97.3	89.9	84	76	110.5	116.7
L3	5.1	5.2	98.1	98.1	25.6	25.8	99.2	98.5	26.3	26.5	99.2	99.2	6.5	7.3	89.0	82.3	71	73	97.3	98.6
M3		5.0				26.0				26.1				7.8			67			
P3	6.0	5.8	103.4	115.4	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.7	7.6	101.3	97.5	80	77	103.9	111.1
Q3		4.6				25.6				26.5				8.1			71			
Y3	5.6	5.7	98.2	107.7	25.9	25.9	100.0	99.8	26.5	26.5	100.0	100.0	8.5	7.7	110.4	107.6	70	69	101.4	97.2
FKBE DATA																				
CUR.																				
AV. 5.1																				
CUM.																				
AV. 5.2																				
INC.																				
*D 98.1																				
99.6																				
26.4																				
26.5																				
7.9																				
101.3																				
8.0																				
73																				
72																				
101.4																				

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

TABLE XI  
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD  
 NOVEMBER, 1965

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. OB	IND. OC	CUR. AV.	CUM. AV.	FACT. OB	IND. OC	CUR. AV.	CUM. AV.	FACT. OB	IND. OC	CUR. AV.	CUM. AV.	FACT. OB	IND. OC	CUR. AV.	CUM. AV.	FACT. OB	IND. OC	
G1		4.0			26.3				27.1					7.9				74			
G1	4.6	5.0	92.0	92.5	26.3	26.2	100.4	101.2	26.4	26.3	100.4	99.6	7.9	8.0	98.0	98.8	67	68	98.5	93.0	
L1	5.0	6.1	95.1	111.5	26.4	26.3	100.4	101.5	26.5	26.4	100.4	100.0	8.0	8.1	98.8	100.0	75	73	102.7	104.2	
M1	6.1	6.6	92.4	117.3	26.0	26.0	100.0	100.0	26.1	26.0	100.4	98.9	7.7	7.8	98.7	96.2	67	67	100.0	93.0	
V1	4.7	7.0	110.5	80.8	26.4	26.4	100.0	101.5	26.5	26.5	100.0	100.0	8.4	8.4	100.0	105.0	86	85	101.2	119.4	
H1	5.6	7.9	122.2	96.2	25.5	25.6	99.6	98.1	26.3	26.7	98.5	99.2	7.4	7.6	97.4	92.5	75	74	101.4	104.2	
G2		4.4			25.3				26.2					7.6				72			
E2	3.5	7.5	100.0	67.3	25.9	25.6	101.2	99.6	27.1	26.8	101.1	102.3	8.9	8.6	103.5	111.2	75	69	108.7	104.2	
F2	5.7	5.9	96.6	109.6	26.2	26.0	100.0	100.0	26.8	26.6	100.0	101.1	7.0	7.6	102.6	97.5	72	71	101.4	100.0	
G2		6.0			25.6				26.0					8.0				71			
G2		5.3			26.0				26.2					8.9				65			
H2	4.7	4.6	102.2	96.4	25.5	25.4	100.4	98.1	26.4	26.2	100.0	99.6	8.3	8.4	98.8	103.8	77	75	102.7	106.9	
G3		5.0			26.1				26.2					8.0				68			
E3	5.2	5.4	96.3	100.0	25.9	25.7	100.0	99.6	26.1	25.9	100.0	98.5	8.6	8.5	101.2	107.5	74	78	105.7	102.8	
F3		6.2			26.0				26.1					7.8				65			
G3	5.0	5.0	100.0	96.2	26.1	26.0	100.4	100.4	26.2	26.1	100.4	98.9	8.2	7.9	103.8	102.5	68	70	97.1	94.4	
H3	5.3	5.0	106.0	101.9	25.5	25.4	100.4	98.1	26.2	26.2	100.0	98.9	8.0	8.2	97.6	100.0	79	80	98.8	109.7	
J3	5.0	5.1	92.0	96.2	26.0	26.1	99.6	100.0	26.8	26.9	99.6	101.1	8.4	7.9	106.3	105.0	75	81	92.6	104.2	
M3	4.3	7.6	119.4	82.7	25.8	26.5	97.4	99.2	26.8	27.7	96.0	101.1	6.9	7.3	94.5	86.2	80	77	103.9	111.1	
L3	5.4	5.2	103.0	103.8	25.7	25.7	100.0	98.8	26.4	26.4	100.0	99.6	6.9	7.1	97.2	86.2	67	71	94.4	93.0	
H3		5.0			26.0				26.1					7.0				67			
P3		5.9			26.0				26.1					7.6				77			
G3		4.6			25.6				26.5					8.1				71			
V3	5.8	5.7	101.8	111.5	25.8	25.9	99.6	99.2	26.4	26.5	99.6	99.6	7.9	7.8	101.3	98.8	74	69	107.2	102.8	
FMSG DATA																					
CUR.																					
AV. 5.0																					
CUR.																					
AV. 5.2																					
IND.																					
OC 96.2																					
FACT.																					
OB 99.6																					
IND.																					
OC 100.0																					
CALIPER.																					
AV. 8.0																					
BURSTING STRENGTH.																					
P S I G 74																					

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, 1985**

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
B1	4.7	4.9	99.9	90.4	25.0	26.2	98.5	99.2	26.7	27.0	98.9	101.1	7.0	7.0	89.7	87.5	70	74	105.4	108.3
B1		5.0				26.2				26.3				8.0					68	
C1	5.9	6.1	96.7	113.5	26.4	26.3	100.4	101.9	26.5	26.4	100.4	100.4	8.1	8.1	100.0	101.2	82	74	110.0	113.9
H1	6.9	6.6	104.9	132.7	26.0	26.0	100.0	100.0	26.1	26.0	100.4	98.9	7.6	7.8	97.4	95.0	65	67	97.0	90.3
V1	3.9	3.9	100.0	75.0	26.5	26.4	100.4	101.9	26.6	26.5	100.4	100.8	8.6	8.4	102.4	107.5	85	85	100.0	118.0
H1	5.1	4.0	127.9	98.1	25.9	25.6	101.2	99.6	26.7	26.6	100.4	101.1	7.7	7.6	101.3	96.2	72	74	97.3	100.0
D2		4.4				25.3				26.2				7.6					70	
E2	3.5	3.5	100.0	67.3	26.2	25.6	102.3	100.0	27.4	26.0	102.2	103.0	8.6	8.7	98.8	107.5	68	71	95.8	94.4
F2	5.0	6.0	96.7	111.9	26.3	26.1	100.0	101.2	26.9	26.6	101.1	101.9	7.7	7.6	101.3	96.2	76	71	107.0	105.6
D2	6.3	6.0	105.0	121.2	25.7	25.6	100.4	98.8	26.1	26.0	100.4	98.9	8.2	8.0	102.5	102.5	70	71	98.6	97.2
Q2		5.3				26.0				26.2				8.9					65	
H2	4.9			94.2	26.0			103.1	27.6			104.5	7.5			93.8	67			93.0
H2	4.0	4.6	104.3	92.3	25.3	25.4	99.6	97.3	26.1	26.3	99.2	98.9	8.6	8.4	102.4	107.5	80	76	105.3	111.1
B3	4.7					26.0				26.1				7.4		92.5	93			129.2
C3	5.0	5.0	100.0	111.5	26.1	26.1	100.0	100.4	26.2	26.2	100.0	99.2	7.7	8.0	96.2	96.2	70	67	104.5	97.2
E3	5.9	5.4	98.1	101.9	25.7	25.0	99.6	98.8	25.9	26.0	99.6	98.1	7.9	8.5	92.9	98.8	71	70	101.4	98.6
F3		6.2				26.0				26.1				7.8					65	
G3	5.0	5.0	100.0	56.2	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.9	7.9	7.9	100.0	98.8	68	70	97.1	94.4
H3	5.3	5.0	100.0	101.9	25.5	25.4	100.4	98.1	26.2	26.2	100.0	99.2	7.8	8.2	95.1	97.5	85	79	107.6	110.0
J3	5.1	5.1	100.0	98.1	26.0	26.0	100.0	100.0	26.0	26.0	100.0	101.5	7.5	8.0	93.8	93.8	86	80	107.5	119.4
H3	3.9	3.6	100.3	75.0	25.6	26.4	97.0	98.5	26.7	27.6	96.7	101.1	7.4	7.2	102.8	92.5	79	77	102.6	109.7
L3	5.6	5.3	105.7	107.7	26.0	25.7	101.2	100.0	26.6	26.4	100.8	100.8	7.1	7.1	100.0	88.8	66	68	97.0	91.7
H3		5.0				26.0				26.1				7.8					67	
P3		5.9				26.0				26.1				7.6					77	
Q3		4.6				25.6				26.5				8.1					71	
V3	5.5	5.7	103.9	113.5	26.1	25.9	100.0	100.4	26.6	26.5	100.4	100.8	7.8	7.7	101.3	97.5	75	70	107.1	104.2

FK86 DATA			
CUR. AV.	5.2	26.0	26.5
CUR. AV.	5.2	26.0	26.4
INC. °B	100.0	100.4	97.5
			105.6

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.

	OCTOBER, 1965				NOVEMBER, 1965				DECEMBER, 1965			
	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
01	42.0	51.4	93.4	122.4		50.8			51.0	50.8	100.4	129.4
01												
L1	44.0	45.1	97.6	112.2	42.0	45.0	93.3	106.6	43.0	44.4	96.2	109.1
R1												
V1	37.0	39.9	92.7	94.4	38.0	39.6	96.0	96.4	39.0	39.4	99.0	99.0
X1	35.2	36.6	96.2	89.8	32.7	36.4	89.8	83.0	31.2	36.3	86.0	79.2
02		31.0				31.0				31.0		
E2	36.0	38.8	92.2	91.8	37.0	38.2	96.8	93.9	40.0	38.0	105.3	101.5
F2	42.0	38.1	110.2	107.1	42.0	38.5	109.1	106.6	40.0	39.0	102.6	101.5
02	37.0	35.8	103.4	94.4		35.9			39.0	35.9	108.6	99.0
02	31.0	34.5	88.2	79.1		34.2				34.1		
M2												
X2	43.0	45.6	95.6	109.7	41.0	44.6	91.9	104.1	45.0	44.0	102.3	114.2
03									40.0			121.2
C3	39.0	37.0	105.4	99.5		37.3			40.0	37.3	107.2	101.5
E3	36.0	37.2	96.2	91.8	37.0	37.0	100.0	93.9	36.0	37.0	97.3	91.4
F3												
G3	32.0	29.7	107.7	81.6	33.0	29.8	110.7	83.2	32.0	30.2	106.0	81.2
I3												
J3												
K3	54.7	51.2	106.2	139.5	52.0	51.6	100.0	132.0	49.0	52.1	94.0	124.4
L3		37.1				41.0				47.2		
M3		29.0				29.0				29.0		
P3	44.0	40.9	107.6	112.2		41.2				41.2		
Q3		35.5				35.5				35.5		
V3		49.0				49.0						
FMS DATA												
CUM.												
AV.	39.9				39.4				41.0			
CUM.	39.2				39.4				39.4			
IND.												
°B	101.8				100.0				104.1			

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

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

OCTOBER, 1985

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / P SQ FT				ADJ. BASIS WT.,**A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		5.6				32.6				33.4				9.4				85		
B1	5.1	5.3	96.2	94.4	32.6	33.1	98.5	99.4	33.5	34.0	98.5	100.3	8.8	10.1	87.1	89.8	85	85	100.0	97.7
D1	5.3	5.3	100.0	98.1	33.0	33.2	99.4	100.6	33.1	33.3	99.4	99.1	9.2	10.0	92.0	100.0	81	82	98.8	93.1
L1	6.2	6.2	100.0	114.8	33.3	33.3	100.0	101.5	33.4	33.4	100.0	100.0	10.0	10.3	97.1	102.0	88	86	102.3	101.1
O1		6.1				33.0				33.1				9.1				90		
P1	5.4	5.2	103.0	100.0	32.7	32.4	100.9	99.7	33.6	33.4	100.6	100.6	10.5	9.9	106.1	107.1	82	83	98.8	96.2
R1	7.8	6.6	107.0	131.5	33.0	33.0	100.0	100.6	33.1	33.0	100.3	99.1	10.5	10.2	102.9	107.1	85	87	97.7	97.7
S1		4.1				32.5				33.8				10.1				89		
M1	5.0	4.8	104.2	92.6	32.6	32.6	100.0	99.4	32.9	32.8	100.3	98.5	9.9	9.7	102.1	101.0	85	84	101.2	97.7
X1	4.9	4.4	102.3	83.3	32.6	32.5	100.3	99.4	33.0	33.6	100.6	101.2	9.2	9.5	96.8	93.9	87	89	97.8	100.0
D2		5.3				32.5				33.3				9.5				93		
E2	4.2	4.4	95.4	77.8	32.4	32.4	100.0	98.8	33.7	33.6	100.3	100.9	11.0	10.8	101.8	112.2	85	86	98.8	97.7
F2	6.0	6.1	98.4	111.1	32.7	32.6	100.3	99.7	33.4	33.2	100.6	100.0	9.9	9.5	104.2	101.0	88	84	104.8	101.1
O2	6.8	6.0	101.7	113.0	32.0	32.0	100.0	97.6	32.6	32.6	100.0	97.6	10.0	9.9	101.0	102.0	84	82	102.4	96.6
Q2	4.3	5.6	76.0	79.6	33.0	32.9	100.3	100.0	33.3	33.2	100.3	99.7	10.6	10.6	100.0	108.2	75	80	93.8	86.2
R2	4.8	4.7	104.2	90.7	33.5	33.4	100.3	102.1	33.6	33.5	100.3	100.6	9.4	9.3	101.1	95.9	83	83	100.0	95.4
M2	5.1	5.1	100.0	94.4	33.0	32.4	101.8	100.6	34.0	33.4	101.0	101.8	9.0	8.8	102.3	91.0	83	80	103.8	95.4
N2	5.2	5.0	104.0	96.3	32.1	32.1	100.0	97.9	33.0	33.1	99.7	98.8	9.9	9.4	105.3	101.0	96	95	101.0	110.3
B3	5.1	5.0	102.0	94.4	33.3	33.2	100.3	101.5	33.4	33.3	100.3	100.0	10.1	10.0	101.0	103.1	98	93	105.4	112.6
C3	6.1	6.1	100.0	113.0	33.0	33.0	100.0	100.6	33.2	33.2	100.0	99.4	10.3	9.9	104.0	105.1	80	84	95.2	92.0
D3	5.0	5.5	103.4	107.4	32.8	32.9	99.7	100.0	33.5	33.8	99.1	100.3	10.3	9.7	106.2	105.1	84	83	101.2	96.6
E3	5.3	5.3	100.0	90.1	32.7	32.6	100.3	99.7	33.0	32.9	100.3	98.0	10.7	10.5	101.9	109.2	92	91	101.1	105.7
F3		6.3				33.0				33.1				9.2				88		
G3	5.0	5.0	100.0	52.6	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	10.4	10.0	104.0	106.1	84	84	100.0	96.6
H3	5.5	5.5	100.0	101.0	32.1	32.2	99.7	97.9	32.9	33.0	99.7	98.5	10.1	10.2	99.0	103.1	96	97	99.0	110.3
J3	5.2	5.1	102.0	96.3	33.5	33.0	101.5	102.1	34.4	33.9	101.5	103.0	10.9	9.9	110.1	111.2	93	99	93.9	106.9
K3	4.2	4.2	100.0	77.8	32.2	32.5	99.1	98.2	33.3	33.8	99.1	100.3	8.7	8.9	97.8	88.8	91	86	105.8	104.6
L3		5.5				32.8				33.6				9.0				84		
M3		5.0				33.0				33.1				9.3				82		
O3	5.9	5.2	105.0	101.0	32.4	32.6	99.4	98.8	33.2	33.6	98.8	99.4	9.1	9.3	97.8	92.8	86	80	107.5	90.8
P3		5.0				33.0				33.1				9.8				92		
Q3		4.2				32.4				33.5				9.8				91		
R3	5.2	5.2	100.0	107.4	32.7	32.9	99.4	99.7	33.4	33.6	99.4	100.0	10.2	10.8	102.0	104.1	81	80	101.2	93.1
C4	5.6	5.5	101.0	103.7	32.5	32.5	100.0	99.1	33.3	33.3	100.0	99.7	9.0	9.3	105.4	100.0	86	87	98.8	90.8
K4		4.8				33.1				33.2				9.1				86		
L4	5.9	5.8	101.7	109.2	33.3	33.1	100.6	101.5	33.4	33.2	100.6	100.0					81	82	98.8	93.1
O4	4.7	4.4	106.8	87.0	32.4	32.4	100.0	98.8	33.5	33.6	99.7	100.3	10.8	11.0	98.2	110.2	82	86	95.3	94.2
FKBG DATA																				
CUR.																				
AV. 5.3																				
CUM.																				
AV. 5.4																				
INC.																				
*C 92.1																				
100.0																				
100.0																				
102.0																				
98.8																				

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, 1985

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / P 56 FT				ADJ. BASIS WT., <sup>a</sup> LB / M 56 FT				CALIPER, PT				BURSTING STRENGTH, P S I G						
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA						
	CUR. AV.	CUM. AV.	FACT. °B	IND. °C	CUR. AV.	CUM. AV.	FACT. °B	IND. °C	CUR. AV.	CUM. AV.	FACT. °B	IND. °C	CUR. AV.	CUM. AV.	FACT. °B	IND. °C	CUR. AV.	CUM. AV.	FACT. °B	IND. °C			
A1			5.6				32.6					33.4								85			
B1	5.2		5.3	98.1	96.3	32.9	33.0	99.7	100.3	33.0	33.0	100.0	101.2	9.0	9.0	91.0	91.0	84	85	98.0	97.7		
O1			5.4				33.1					33.2								81			
L1	6.2		6.2	100.0	114.0	33.4	33.3	100.3	101.0	33.5	33.4	100.3	100.3	10.4	10.2	102.0	106.1	93	87	106.9	108.1		
O1			5.0				33.0					33.1								90			
F1			5.3				32.5					33.4								82			
R1	6.5		6.7	97.0	120.4	33.0	33.0	100.0	100.6	33.1	33.0	100.3	99.1	9.9	10.3	96.1	101.0	84	86	97.7	97.7		
S1			4.1				32.5					33.8								89			
N1	4.0		5.0	96.0	92.9	32.6	32.6	100.0	99.4	32.9	32.9	100.0	98.5	9.6	9.8	98.0	98.0	87	85	102.4	101.2		
X1	5.6		4.6	121.7	103.7	32.0	32.5	100.9	100.0	33.6	33.7	99.7	100.6	9.4	9.4	100.0	95.9	88	89	98.9	102.3		
O2			5.1				32.3					33.3								91			
E2			4.3				32.4					33.6								86			
F2	6.2		6.1	101.6	114.0	32.6	32.6	100.0	99.4	33.2	33.3	99.7	99.4	9.7	9.5	102.1	99.0	87	86	101.2	101.2		
O2	6.1		6.0	101.7	113.0	32.2	32.0	100.6	98.2	32.0	32.6	100.6	98.2	9.6	9.9	97.0	98.0	81	82	98.0	94.2		
O2			5.4				33.0					33.2								80			
R2			4.0				33.4					33.6								83			
M2	5.6		5.1	90.6	92.6	32.7	32.6	100.3	99.7	33.7	33.5	100.6	100.9	8.9	9.0	98.9	90.0	78	80	97.5	90.7		
H2	5.9		5.1	115.7	109.2	32.5	32.1	101.2	99.1	33.2	33.1	100.3	99.4	10.6	9.6	110.4	100.2	92	97	94.0	107.0		
O3	5.4		4.9	110.2	100.0	33.2	33.2	100.0	101.2	33.3	33.3	100.0	99.7	9.8	9.9	99.0	100.0	107	94	113.0	124.4		
C3	5.0		6.0	96.7	107.4	33.1	33.0	100.3	100.9	33.3	33.2	100.3	99.7	9.7	10.0	97.0	99.0	82	82	100.0	95.3		
O3	6.0		5.6	107.1	111.1	32.9	32.9	100.0	100.3	33.6	33.7	99.7	100.6	10.8	10.0	108.0	110.2	85	83	102.4	98.8		
E3			5.4				32.6					32.9								91			
F3			6.4				33.0					33.1								89			
G3	5.0		5.0	100.0	92.6	33.0	33.0	100.0	100.6	33.1	33.1	100.0	99.1	10.2	10.1	101.0	104.1	82	84	97.6	95.3		
H3	5.3		5.5	96.4	90.1	32.1	32.2	99.7	97.9	33.0	33.0	100.0	98.8	9.7	10.1	96.0	99.0	96	96	100.0	111.6		
J3	4.9		5.3	92.4	90.7	33.0	32.9	100.3	100.6	34.0	33.0	100.6	101.8	9.5	9.9	96.0	96.9	101	96	105.2	117.4		
K3	4.2		4.2	100.0	77.0	32.2	32.4	99.4	98.2	33.5	33.7	99.4	100.3	8.9	8.8	101.1	90.0	86	87	98.0	100.0		
L3	5.0		5.6	103.6	107.4	32.7	32.9	99.4	99.7	33.4	33.7	99.1	100.0	8.5	9.0	94.4	86.7	83	82	101.2	96.5		
M3			5.0				33.0					33.1								83			
O3			5.3				32.6					33.4								82			
P3			5.0				33.0					33.1								92			
Q3			4.0				32.4					33.5								91			
V3	5.7		5.7	100.0	105.6	32.0	32.0	100.0	100.0	33.6	33.6	100.0	100.6	9.9	10.0	99.0	101.0	88	80	110.0	102.3		
C4	5.7		5.6	101.0	103.6	32.4	32.5	99.7	98.0	33.1	33.3	99.4	99.1	10.7	9.5	112.6	109.2	86	87	98.0	100.0		
H4			4.0				33.1					33.2								86			
L4	5.0		5.0	100.0	107.4	33.1	33.1	100.0	100.9	33.2	33.2	100.0	99.4							83	82	101.2	96.5
O4	4.3		4.4	97.7	79.6	32.4	32.4	100.0	98.0	33.6	33.6	100.0	100.6	10.7	10.9	98.2	109.2	82	86	95.3	95.3		
FRAG DATA																							
CUR. AV. 5.5																							
CUR. AV. 5.4																							
IND. °B 101.0																							

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

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

	OCTOBER, 1965				NOVEMBER, 1965				DECEMBER, 1965			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUN. AV.	FACT. °B	IND. °C	CUR. AV.	CUN. AV.	FACT. °B	IND. °C	CUR. AV.	CUN. AV.	FACT. °B	IND. °C
A1												
B1	56.0	63.5	88.2	102.2	56.0	62.4	89.7	102.6	62.0	61.6	100.6	113.3
D1												
L1	64.0	65.9	97.1	116.0	63.0	65.6	96.0	116.0	63.0	64.9	97.1	115.2
O1												
P1												
R1												
S1		54.3				54.3				54.3		
M1	49.0	51.0	98.1	89.4	50.0	51.2	97.6	91.1	51.0	51.0	100.0	93.2
X1	55.9	54.6	101.6	101.3	50.7	54.8	92.5	92.3	51.0	54.7	93.2	93.2
O2												
E2	55.0	57.2	98.2	100.4	54.0	56.8	95.1	98.4		56.4		
F2	56.0	51.3	105.3	98.5	55.0	52.0	105.2	100.2	52.0	52.3	99.4	95.1
G2	51.0	49.8	104.1	93.1	49.0	49.2	99.6	89.2	47.0	49.2	95.5	85.9
Q2	43.0	48.8	88.1	78.5		47.7				47.2		
R2												
M2	63.0	53.0	110.9	115.0		50.0			50.0	50.0	86.2	91.4
N2	64.0	62.4	102.6	116.8	57.0	64.0	89.1	103.2	60.0	63.4	94.6	109.7
Q3	61.0	62.9	97.9	111.3	62.0	62.4	99.4	112.9	65.0	62.1	104.7	110.2
C3	56.0	55.7	106.5	102.2	54.0	55.7	96.5	98.4	54.0	55.5	97.3	98.7
D3		58.9				58.2				58.9		
E3	56.0	56.2	99.6	102.2		56.2				56.2		
F3												
G3	51.0	44.5	114.6	93.1	50.0	45.1	110.9	91.1	45.0	45.7	98.5	82.3
I3												
J3												
K3	67.0	64.4	105.3	123.7	71.0	64.8	109.6	129.3	69.0	65.7	105.0	126.1
L3		50.9				60.4			65.4	60.5	100.1	119.6
M3		46.2			47.0	48.8	115.2	85.6		41.8		
O3												
P3		59.3				59.5				59.5		
Q3		56.2				56.2				56.2		
R3		62.0				62.0						
C4	47.0	43.9	107.1	85.2	49.0	43.8	111.9	89.2	49.0	43.9	111.6	89.6
E4		50.1				50.1				50.1		
L4	51.0	54.6	93.4	93.1	53.0	54.2	97.8	96.5	55.0	54.2	101.5	100.5
O4	51.0	53.3	95.3	93.1	51.0	53.2	95.9	92.9	53.0	52.9	100.2	96.9
FMSG DATA												
CUR. AV.												
	55.3				54.5				55.7			
CUN. AV.												
	54.2				54.9				56.7			
IND. °B												
	106.9				99.3				101.8			

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

**TABLE IX**  
**AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 32 LB FOURDRINIER KRAFT LINERBOARD**  
**OCTOBER, 1965**

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
A1	6.3	6.3	100.0	112.5	37.0	37.7	100.3	99.5	38.4	38.3	100.3	99.7	11.4	10.4	109.6	104.6	100	100	100.0	102.0
B1	6.1	5.0	105.2	108.9	38.0	38.4	99.0	100.0	38.7	39.3	98.5	100.5	10.3	11.4	98.4	94.5	90	92	97.8	91.8
D1		5.2				38.2				38.3				10.9					96	
M1	6.0	6.0	100.0	107.1	38.2	38.0	100.5	100.5	38.3	38.1	100.5	99.5	10.2	9.9	103.0	93.6	95	97	97.9	96.9
V1		5.3				38.0				38.0				10.5					100	
U1	5.3	5.5	96.4	94.6	37.4	37.5	99.7	98.4	38.4	38.4	100.0	99.7	10.6	10.9	97.2	97.2	98	98	100.0	100.0
W1	5.2	4.0	100.2	92.8	38.2	38.3	99.7	100.5	38.3	38.4	99.7	99.5	11.6	11.9	97.5	106.4	105	106	99.0	107.1
X1	5.0	5.1	98.0	89.3	37.3	37.5	99.5	98.2	38.4	38.6	99.5	99.7	10.5	10.7	98.1	96.3	97	98	99.0	99.0
Q2		5.4				37.4				38.3				10.7					102	
G2		5.4				39.5				40.6									98	
R2	5.0	4.9	102.0	89.3	38.5	38.2	100.8	101.3	38.6	38.3	100.8	100.2	10.8	10.6	101.9	99.1	96	96	100.0	98.0
H2	4.0	5.2	92.3	85.7	41.2	40.2	102.5	100.4	42.6	41.3	103.1	110.6	11.1	10.8	102.8	101.8	90	90	100.0	91.0
M2	6.0	6.2	96.8	107.1	37.4	37.3	100.3	98.4	38.1	37.9	100.5	99.0	10.9	11.0	99.1	100.0	104	107	97.2	106.1
Q3	5.0	5.4	103.7	100.0	38.3	38.2	100.3	100.0	38.4	38.3	100.3	99.7	11.7	11.1	105.4	107.3	103	101	102.0	105.1
C3	6.2	6.4	96.9	110.7	38.1	38.0	100.3	100.3	38.3	38.2	100.3	99.5	11.4	11.2	101.8	104.6	94	94	100.0	95.9
Q3	5.7	5.7	100.0	101.0	37.4	38.4	97.4	98.4	38.3	39.3	97.4	99.5	11.7	11.4	102.6	107.3	93	93	100.0	94.9
G3		6.0				38.0				38.1				11.2					95	
I3		5.0				37.2				38.0				11.6					109	
M3	5.7	5.6	101.0	101.0	37.5	37.6	99.7	98.7	38.4	38.5	99.7	99.7		9.4			103	97	106.2	105.1
L3		5.6				37.6				38.5				10.5					96	
P3		5.9				38.0				38.1				11.1					102	
Q3	5.1	5.2	98.1	91.1	37.4	37.6	99.5	98.4	38.5	38.7	99.5	100.0	10.6	10.7	99.1	97.2	92	98	93.9	93.9
W3	5.7	5.4	105.6	101.0	37.4	37.7	99.2	98.4	38.3	38.6	99.2	99.5	11.0	10.5	104.8	100.9	104	104	100.0	106.1
Z3	5.7	5.0	98.3	101.0	38.3	38.5	99.5	100.0	38.4	38.6	99.5	99.7	10.9	11.4	95.6	100.0	104	102	102.0	106.1
A4		5.9				38.3				38.4				11.1					94	
C4	6.1		100.9	37.6			98.9	38.3			99.5	10.3			94.5		88			89.0
F4	5.3	5.6	94.6	94.6	37.8	38.2	99.0	99.5	38.1	38.5	99.0	99.0	11.0	11.4	96.5	100.9	89	99	89.9	90.8
H4	5.2	5.0	89.6	92.8	38.2	37.9	100.8	100.5	38.3	38.0	100.8	99.5	10.0	10.6	94.3	91.7	98	98	100.0	100.0
L4	5.0	5.0	100.0	103.6	38.5	38.3	100.5	101.3	38.6	38.4	100.5	100.2					96	96	100.0	98.0

**FK06 DATA**

CUR. AV.	5.6	38.0	38.6	10.9	97
CUM. AV.	5.6	38.0	38.5	10.9	96
IND. °B	100.0	100.0	100.2	100.0	99.0

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

TABLE X  
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 36 LB FOURDRINIER KRAFT LIMEBOARD  
 NOVEMBER, 1965

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
A1	6.3	6.3	103.2	116.1	37.7	37.7	100.0	99.2	30.2	30.3	99.7	99.2	10.0	10.5	102.0	99.1	101	100	101.0	103.1
B1		5.0				30.4				30.2				11.2				92		
B1		5.2				30.2				30.3				10.9				96		
M1	3.5			62.5	30.6			101.6	30.9			101.0	10.7			90.2	101			103.1
M1	6.0	6.0	100.0	107.1	30.1	30.1	100.0	100.3	30.2	30.2	100.0	99.2	10.4	10.6	104.0	95.4	93	96	96.9	94.9
V1		5.3				30.0				30.0				10.5				100		
U1	5.2	5.5	94.5	92.0	37.3	37.5	99.5	90.2	30.3	30.4	99.7	99.5	10.4	10.9	95.4	95.4	94	90	95.9	95.9
V1		4.0				30.3				30.4				11.0				106		
H1	5.7	5.1	111.0	101.0	30.1	37.5	101.6	100.3	30.0	30.5	101.3	101.3	10.7	10.6	100.9	90.2	90	90	100.0	100.0
B2		5.3				37.3				30.3				10.6				102		
B2		5.4				39.5				40.6								90		
B2		5.0				30.3				30.4				10.6				96		
M2	4.9	5.1	96.1	87.5	30.9	40.4	96.3	102.4	40.1	41.6	96.4	104.2	11.0	10.9	100.9	100.9	93	90	103.3	94.9
M2	6.3	6.1	103.3	112.5	37.6	37.4	100.5	90.9	30.2	30.0	100.5	99.2	10.0	11.0	90.2	99.1	109	106	102.0	111.2
B3	5.0	5.4	92.6	89.3	30.3	30.2	100.3	100.0	30.4	30.3	100.3	99.7	11.2	11.2	100.0	102.0	101	101	100.0	103.1
C3	6.3	6.4	92.4	112.5	30.0	30.0	100.0	100.0	30.2	30.2	100.0	99.2	11.2	11.2	100.0	102.0	94	94	100.0	95.9
B3	5.0	5.0	100.0	103.6	30.0	30.4	99.0	100.0	30.0	30.2	99.0	100.0	11.6	11.5	100.9	106.4	95	93	102.2	96.9
B3	6.0	6.0	100.0	107.1	30.0	30.0	100.0	100.0	30.1	30.1	100.0	99.0	11.0	11.2	105.4	100.2	96	95	101.0	90.0
I3		5.0				37.2				30.0				11.6				109		
M3	4.0	5.6	85.7	85.7	37.3	37.6	99.2	90.2	30.5	30.5	100.0	100.0	9.2	9.4	97.9	84.4	100	90	110.2	110.2
L3		5.5				37.6				30.5				10.4				94		
P3		5.9				30.0				30.1				11.1				102		
B3	5.0	5.2	96.2	89.3	37.5	37.6	99.7	90.7	30.6	30.7	99.7	100.2	10.4	10.7	97.2	95.4	96	90	90.0	90.0
U3	5.5	5.5	100.0	90.2	37.6	37.6	100.0	90.9	30.5	30.6	99.7	100.0	10.9	10.6	102.0	100.0	101	104	97.1	103.1
Z3	5.0	5.0	100.0	103.6	30.2	30.5	99.2	100.5	30.3	30.6	99.2	99.5	11.3	11.3	100.0	103.7	104	102	102.0	106.1
A4		5.9				30.3				30.4				11.1				94		
C4		6.1				37.6				30.3				10.3				00		
F4	5.3	5.6	90.2	90.2	30.1	30.2	99.7	100.3	30.4	30.5	99.7	99.7	11.0	11.4	96.5	100.9	94	90	95.9	95.9
M4	5.4	5.0	93.1	96.4	37.0	30.0	99.5	99.5	37.9	30.1	99.5	90.4	10.0	10.5	95.2	91.7	94	90	95.9	95.9
L4	5.0	5.0	100.0	103.6	30.4	30.4	100.0	101.0	30.5	30.5	100.0	100.0					96	96	100.0	90.0
FKBE DATA																				
CUR.																				
AV.	5.3					30.0				30.5				10.0				90		
CUM.																				
AV.	5.6					30.0				30.5				10.9				90		
IND.																				
%B	90.2					100.0				100.0				99.1				100.0		
NOTE- NOTES A, B, C, AND D ARE GIVEN IN APPENDIX.																				

**TABLE XI**  
**AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 32 LB FOURDRINIER KRAFT LINERBOARD**  
**DECEMBER, 1965**

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / P 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
A1	6.3	6.3	100.0	112.5	37.5	37.7	99.5	98.7	38.1	38.3	99.5	99.0	11.0	10.6	103.8	100.9	103	100	103.0	105.1
B1		5.0				38.3				39.2				11.2					91	
D1		5.2				38.2				38.2				11.0					96	
H1	3.3	3.5	94.1	98.9	38.7	38.6	100.2	101.8	39.0	38.9	100.2	101.3	10.6	10.7	99.1	97.2	86	101	85.1	87.8
M1	6.6	6.0	100.0	107.1	38.1	38.1	100.0	100.3	38.2	38.2	100.0	99.2	10.4	10.1	103.0	95.4	93	96	96.9	94.9
T1		5.3				38.0				39.0				10.5					100	
U1		5.5				37.5				38.4				10.8					98	
V1		4.8				38.3				38.4				11.8					106	
X1	5.5	5.1	115.7	105.4	37.8	37.5	100.0	99.5	38.6	38.6	100.8	100.2	10.7	10.6	100.9	98.2	98	98	100.0	100.0
D2		5.2				37.2				38.3				10.6					103	
G2		5.2				37.5				40.6									101	
R2		5.0				38.3				38.6				10.6					96	
W2	5.2	5.1	102.0	92.0	41.0	40.1	102.2	107.9	42.1	41.3	101.9	109.4	11.4	10.9	104.6	104.6	90	91	98.9	91.8
X2		6.2				37.4				38.1				10.9					107	
Q3	5.1	5.4	54.4	91.1	38.3	38.2	100.3	100.8	38.4	38.3	100.3	99.7	11.1	11.2	99.1	101.8	125	101	123.8	127.6
C3	6.2	6.3	92.4	110.7	38.0	38.0	100.0	100.0	38.2	38.2	100.0	99.2	10.9	11.2	97.3	100.0	95	94	101.1	96.9
O3	5.4	5.8	93.1	96.4	37.9	38.4	98.7	99.7	38.9	39.2	99.2	101.0	11.7	11.5	101.7	107.3	98	93	105.4	100.0
E3	6.8	6.0	100.0	107.1	38.0	38.0	100.0	100.0	38.1	38.1	100.0	99.0	11.2	11.2	100.0	102.8	92	95	96.8	93.9
I3		5.0				37.2				38.0				11.6					109	
J3	4.5			80.4	37.5			98.7	38.8			100.8	10.6			97.2	112			114.3
R3	5.4	5.6	96.4	96.4	37.6	37.6	100.0	98.9	38.6	38.5	100.2	100.2	9.4	9.4	100.0	86.2	103	99	104.0	105.1
L3		5.5				37.6				38.5				10.4					93	
P3		5.9				38.0				38.1				11.1					102	
Q3	5.0	5.1	98.0	89.3	37.5	37.6	99.7	98.7	38.6	38.7	99.7	100.2	10.3	10.6	97.2	96.5	99	98	101.0	101.0
U3	5.7	5.5	103.6	101.8	37.6	37.6	100.0	98.9	38.5	38.6	99.7	100.0	10.5	10.6	99.0	96.3	103	103	100.0	105.1
Z3	6.8	5.8	103.4	107.1	38.3	38.5	99.5	100.8	38.4	38.6	99.5	99.7	11.6	11.3	102.6	106.4	111	102	108.8	113.3
A4		5.9				38.3				38.4				11.1					94	
C4	5.9	6.1	96.7	105.4	39.3	37.6	104.5	103.4	40.1	38.3	104.7	104.2	11.4	10.3	110.7	104.6	95	88	108.0	96.9
F4	5.4	5.5	92.2	96.4	38.1	38.1	100.0	100.3	38.4	38.4	100.0	99.7	11.3	11.4	99.1	103.7	94	98	95.9	95.9
H4	5.7	5.7	100.0	101.8	38.5	38.8	101.3	101.3	38.6	38.1	101.3	100.2	10.5	10.4	101.0	96.3	101	98	103.1	103.1
L4	5.7	5.8	92.3	101.8	38.0	38.4	99.0	100.0	38.1	38.5	99.0	99.0					97	96	101.0	99.0

**FKMG DATA**

CUR. AV.	5.5	38.2	38.8	10.8	100
CUM. AV.	5.6	38.0	38.5	10.9	98
IND. °B	92.2	100.5	100.8	99.1	102.0

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

**TABLE XII**  
**AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 32 LB FOURDRINIER KRAFT LINERBOARD**  
**RING COMPRESSION, LBS.**

	OCTOBER, 1965				NOVEMBER, 1965				DECEMBER, 1965			
	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	70.0	75.3	93.6	105.3		74.0			74.0			
D1		68.6				68.0			68.0			
M1					67.0			100.6	62.0	67.0	92.5	93.0
N1	61.0	55.7	102.2	91.7	59.0	60.0	98.3	88.6	61.0	59.0	102.0	91.4
V1		65.9				65.9				65.9		
U1												
V1	55.0	54.6	101.0	82.7		54.2				50.2		
X1	64.7	66.4	97.4	97.3	63.6	66.4	95.8	95.5	64.0	66.3	96.5	96.0
O2		61.3				61.3				61.3		
G2		74.5				74.5				74.0		
M2		60.0				60.0				60.0		
N2	70.0	71.2	109.6	117.3	64.0	72.6	88.2	96.1	97.0	71.2	116.2	105.4
X2	71.0	72.0	94.6	106.0	71.0	71.5	99.3	106.6		71.3		
O3	73.0	68.3	106.9	109.8	75.0	68.7	109.2	112.6	75.0	69.0	108.7	112.4
E3	67.6	67.2	95.7	100.0	68.0	67.1	101.3	102.1	74.0	67.2	110.1	110.9
O3		70.0				70.3				69.7		
G3		54.0			61.0	54.3	112.3	91.6	65.0	55.2	117.0	97.4
I3												
J3												
M3	76.2	72.1	105.7	114.6	80.0	72.8	109.9	120.1	79.0	73.0	107.0	116.4
L3		67.8				65.8				66.7		
P3		71.0				71.0				71.0		
O3	82.7	70.7	117.0	124.4	88.7	71.9	123.4	133.2	84.1	73.4	114.6	126.1
U3	65.0	66.0	96.5	97.7	67.0	65.8	101.8	100.6	67.0	66.0	101.5	100.4
Z3	81.6	77.4	104.6	121.8	79.0	76.6	103.1	118.6	77.0	76.8	100.3	115.4
A4		60.4				60.1				60.1		
C4	50.0			75.2		50.0			58.0	50.0	116.0	87.0
F4	57.0	62.7	90.9	85.7	57.0	62.1	91.8	85.6	60.0	61.8	97.1	90.0
K4	63.6	57.0	110.5	94.7	57.3	57.7	99.3	86.0	63.4	58.0	109.3	95.0
L4	67.0	68.9	97.2	100.8	69.0	68.6	100.6	103.6	74.0	68.5	108.0	110.9
<b>FRSG DATA</b>												
CUP.												
AV.	67.6				68.4				70.7			
CUM.												
AV.	66.5				66.6				66.7			
IND.												
°B	101.6				102.7				106.0			

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, 1965

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / 48 SQ FT				ADJ. BASIS WT., LB / 48 SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C
A1	6.2	6.3	98.4	106.9	41.6	41.8	99.5	99.8	42.3	42.5	99.5	100.0	12.7	12.1	105.0	106.7	108	105	102.8	101.9
B1	5.9	6.0	98.3	101.7	41.4	41.8	99.0	99.3	42.3	42.6	99.3	100.0	11.0	12.2	90.2	92.4	100	100	100.0	94.3
M1	4.8	4.3	99.3	70.7	42.5	42.6	99.8	101.9	42.9	43.0	99.8	101.4	12.2	11.9	102.5	102.5	106	106	100.0	100.0
N1	6.0	6.0	100.0	103.4	42.1	42.0	100.2	101.0	42.2	42.1	100.2	99.8	11.7	11.2	104.5	98.3	104	104	100.0	98.1
O1	6.6	6.2	96.8	103.4	42.2	42.0	100.5	101.2	42.3	42.1	100.5	100.0	10.8	11.1	97.3	90.8	105	107	98.1	99.0
P1	6.1	6.0	101.7	105.2	41.6	41.5	100.2	99.8	42.3	42.3	100.0	100.0	11.8	11.9	99.2	99.2	101	101	100.0	95.3
R1		6.3				42.3				42.1				13.0				104		
S1	5.2	5.1	102.0	89.6	41.5	41.4	100.2	99.5	42.7	42.6	100.2	100.9	12.2	12.3	99.2	102.5	102	105	97.1	96.2
T1	5.7	5.7	100.0	90.3	41.5	41.6	99.8	99.5	42.5	42.6	99.8	100.5	11.3	11.5	98.3	95.0	112	110	101.8	105.7
U1	5.5	5.7	103.5	101.7	41.8	41.5	100.7	100.2	42.7	42.5	100.5	100.9	11.9	12.1	98.3	100.0	101	103	98.0	95.3
V1	5.2	5.7	91.2	89.6	42.3	42.5	99.5	101.4	42.4	42.6	99.5	100.2	12.1	11.1	92.4	101.7	115	113	101.8	108.5
W1	5.3	5.3	100.0	91.4	41.3	41.3	100.0	99.0	41.7	41.7	100.0	98.6	12.2	12.5	97.6	102.5	102	103	99.0	96.2
X1	5.4	5.3	101.9	93.1	41.7	41.6	100.7	100.0	42.8	42.6	100.5	101.2	11.6	11.9	97.5	97.5	104	105	99.0	98.1
Y1		5.6				41.4				42.4				11.9				110		
E2	5.5	5.5	100.0	94.0	41.6	41.6	100.0	99.8	42.6	42.6	100.0	100.7	12.5	12.7	98.4	105.0	103	104	99.0	97.2
G2	5.1	5.4	94.4	87.9	41.3	41.7	99.0	99.0	42.5	42.8	99.3	100.5	10.7	10.7	100.0	89.9	109	106	102.8	102.8
L2	6.3	6.0	105.0	100.6	41.7	41.6	100.2	100.0	42.4	42.4	100.0	100.2	11.9	11.5	103.5	100.0	103	106	97.2	97.2
O2	6.0	6.0	100.0	103.4	40.8	40.8	100.0	97.8	41.6	41.6	100.0	98.3	12.3	12.6	97.6	103.4	103	104	99.0	97.2
R2	6.7	5.1	92.2	81.0	42.3	42.2	100.2	101.4	42.4	42.3	100.2	100.2	11.5	11.6	99.1	96.6	105	105	100.0	99.0
W2	5.1	5.2	98.1	87.9	41.5	41.4	100.2	99.5	42.7	42.5	100.5	100.9	11.1	11.2	99.1	93.3	100	99	101.0	94.3
X2	6.4	6.4	100.0	110.3	41.5	41.6	99.8	99.5	42.1	42.2	99.8	99.5	11.9	11.9	100.0	100.0	113	113	100.0	106.6
Y2	5.0	4.7	106.4	86.2	41.6	41.5	100.2	99.8	42.8	42.9	99.8	101.2	11.3	11.1	101.8	95.0	107	109	98.2	100.9
A3	5.6	5.4	103.7	96.6	41.2	41.1	100.2	98.8	42.2	42.2	100.0	99.8	11.8	11.7	100.8	99.2	118	117	100.8	111.3
B3	5.8	5.5	101.8	96.6	42.3	42.2	100.2	101.4	42.4	42.3	100.2	100.2	12.5	12.4	100.8	105.0	110	108	101.8	103.8
C3	6.5	6.5	100.0	112.1	42.1	42.0	100.2	101.0	42.3	42.2	100.2	100.0	12.5	12.3	101.6	105.0	103	105	98.1	97.2
D3	5.9	5.8	101.7	101.7	41.7	41.8	99.8	100.0	42.6	42.7	99.8	100.7	12.6	12.2	103.3	105.9	102	102	100.0	96.2
F3	6.6	6.3	104.8	113.0	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	11.4	11.8	96.6	95.8	106	108	98.1	100.0
G3		6.8				42.0				42.1				12.0				105		
H3	6.1	6.1	100.0	105.2	41.6	41.4	100.5	99.8	42.3	42.1	100.5	100.0	12.0	12.5	96.0	100.8	99	100	99.0	93.4
I3	6.6	6.3	104.8	113.8	41.3	41.3	100.0	99.0	41.8	42.0	99.5	98.8	12.3	12.8	96.1	103.4	115	114	100.9	108.5
K3	5.6	5.8	96.6	96.6	41.3	41.5	99.5	99.0	42.3	42.4	99.8	100.0	10.3	10.5	98.1	86.6	112	106	105.7	105.7
O3	6.4	6.1	104.9	110.3	41.5	41.5	100.0	99.5	42.1	42.2	99.8	99.5	11.2	11.1	103.9	94.1	103	103	100.0	97.2
Q3	5.7	5.6	101.8	98.3	41.6	41.7	99.8	99.8	42.6	42.7	99.8	100.7	12.3	11.9	103.4	103.4	105	106	99.0	99.0
U3	5.8	5.9	98.2	100.0	41.2	41.3	99.0	98.8	42.1	42.1	100.0	99.5	11.7	11.4	102.6	98.3	108	109	99.1	101.9
Z3	5.8	5.8	100.0	100.0	42.2	42.4	99.5	101.2	42.3	42.4	99.8	100.0	12.5	12.5	100.0	105.0	108	104	103.8	101.9
A4	6.8	6.0	100.0	103.4	42.2	42.2	100.0	101.2	42.3	42.2	100.2	100.0	12.2	12.3	99.2	102.5	103	102	101.0	97.2
B4	6.2	5.9	105.1	106.9	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.8	11.8	11.4	103.5	99.2	104	111	93.7	98.1
C4	6.2	6.2	100.0	106.9	41.5	41.5	100.0	99.5	42.2	42.2	100.0	99.8	10.8	10.8	100.0	90.8	104	106	98.1	98.1
F4	5.7	5.7	100.0	98.3	41.9	42.1	99.5	100.5	42.3	42.5	99.5	100.0	12.3	12.6	97.6	103.4	101	104	97.1	95.3
J4	6.0	5.8	103.4	103.4	42.2	42.2	100.0	101.2	42.3	42.3	100.0	100.0	12.0	12.0	100.0	100.0	122	121	100.8	115.1
N4	5.8	5.9	98.3	100.0	42.0	42.1	99.8	100.7	42.1	42.2	99.8	99.5	11.1	11.6	95.7	93.3	104	104	100.0	98.1
L4	5.8	5.8	100.0	100.0	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5					104	103	101.0	98.1
O4	5.4	5.3	101.9	93.1	41.1	41.1	100.0	98.6	42.2	42.3	99.8	99.8	12.6	12.9	97.7	105.9	101	105	96.2	95.3

FRUG DATA:

CUR. AV.	5.8	41.7	42.3	11.8	106
CUM. AV.	5.8	41.7	42.3	11.9	106
IND. #C	100.0	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, 1985

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / P SQ FT				ADJ. BASIS WT.,**A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. %B	IND. %C	CUR. AV.	CUM. AV.	FACT. %B	IND. %C	CUR. AV.	CUM. AV.	FACT. %B	IND. %C	CUR. AV.	CUM. AV.	FACT. %B	IND. %C	CUR. AV.	CUM. AV.	FACT. %B	IND. %C
A1	6.4	6.3	101.6	110.3	41.6	41.8	99.5	99.8	42.2	42.5	99.3	99.8	12.3	12.2	100.8	103.4	106	105	101.0	100.0
B1	5.9	6.0	98.3	161.7	41.4	41.8	99.0	99.3	42.3	42.6	99.3	100.0	11.0	12.1	90.9	92.4	100	100	100.0	94.3
M1	4.0	4.2	99.2	69.0	42.7	42.6	100.2	102.4	43.1	43.0	100.2	101.9	11.8	12.0	98.3	99.2	105	106	99.0	99.0
W1	6.0	6.0	100.0	103.4	42.0	42.0	100.2	101.0	42.2	42.1	100.2	99.8	11.8	11.2	105.4	99.2	102	104	98.1	96.2
Q1	5.9	6.2	99.2	161.7	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	11.3	11.1	101.8	95.0	106	107	99.1	100.0
P1	6.2	6.0	103.3	106.9	41.6	41.5	100.2	99.8	42.3	42.3	100.0	100.0	11.8	11.9	99.2	99.2	101	101	100.0	95.3
R1		6.1				41.9				42.0				11.4			104			
S1	6.9	6.2	94.2	84.5	40.2	41.4	99.5	98.8	42.5	42.6	99.8	100.5	12.1	12.3	98.4	101.7	102	105	97.1	96.2
T1	5.6	5.7	98.2	96.6	41.5	41.6	99.8	99.5	42.5	42.6	99.8	100.5	11.2	11.5	97.4	94.1	108	110	98.2	101.9
U1	5.7	5.7	100.0	98.3	41.7	41.6	100.2	100.0	42.7	42.5	100.5	100.9	11.9	12.0	99.2	100.0	101	103	98.0	95.3
V1	5.5	5.6	98.2	94.8	42.3	42.4	99.8	101.4	42.4	42.5	99.8	100.2	12.8	13.0	98.5	107.6	112	113	99.1	105.7
W1	5.4	5.3	101.9	93.1	41.3	41.3	100.0	99.0	41.7	41.7	100.0	98.6	12.3	12.4	99.2	103.4	105	103	101.9	99.0
X1	5.8	5.3	109.4	100.0	41.5	41.4	100.2	99.5	42.4	42.6	99.5	100.2	11.9	11.9	100.0	100.0	106	105	101.0	100.0
O2		5.5				41.4				42.4				11.9			110			
E2	5.5	5.5	100.0	94.8	41.5	41.6	99.8	99.5	42.5	42.6	99.8	100.5	12.6	12.6	100.0	105.9	106	104	101.9	100.0
G2	5.3	5.3	100.0	91.4	41.3	41.6	99.3	99.8	42.4	42.8	99.1	100.2	10.7	10.7	100.0	89.9	104	106	98.1	98.1
L2	6.3	6.0	105.0	108.6	41.7	41.6	100.2	100.0	42.4	42.4	100.0	100.2	11.9	11.5	103.5	100.0	101	105	96.2	95.3
O2	5.9	6.0	98.3	101.7	40.6	40.8	99.5	97.0	41.5	41.6	99.8	98.1	12.2	12.5	97.6	102.5	102	104	98.1	96.2
R2	4.8	5.0	96.8	82.8	42.5	42.2	100.7	101.9	42.6	42.3	100.7	100.7	11.4	11.5	99.1	95.8	106	105	101.0	100.0
M2	5.2	5.2	100.0	89.6	41.4	41.4	100.0	99.3	42.6	42.6	100.0	100.7	11.8	11.2	105.4	99.2	100	99	101.0	94.3
X2	6.5	6.4	101.6	112.1	41.4	41.6	99.5	99.3	42.0	42.2	99.5	99.3	11.8	11.9	99.2	99.2	113	113	100.0	106.6
Y2	5.7	4.8	118.8	98.3	41.5	41.5	100.0	99.3	42.5	42.9	99.1	100.5	11.0	11.1	99.1	92.4	109	110	99.1	102.8
A3	5.7	5.4	105.6	98.3	41.4	41.2	100.5	99.3	42.4	42.2	100.5	100.2	11.6	11.7	99.1	97.5	119	117	101.7	112.3
B3	5.4	5.5	98.2	93.1	42.3	42.2	100.2	101.4	42.4	42.3	100.2	100.2	12.6	12.4	101.6	105.9	117	108	108.3	110.4
C3	6.3	6.5	96.9	108.6	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.8	12.5	12.3	101.6	105.0	104	105	99.0	98.1
D3	5.8	5.8	100.0	100.0	41.7	41.8	99.8	100.0	42.6	42.7	99.8	100.7	12.4	12.2	101.6	104.2	104	102	102.0	98.1
F3	6.4	6.3	101.6	110.3	41.9	42.0	99.8	100.5	42.0	42.1	99.8	99.3	11.3	11.7	96.6	95.0	106	108	98.1	100.0
G3		6.0				42.0				42.1				12.0			105			
H3	6.3	6.1	103.3	102.6	41.8	41.5	101.0	100.2	42.5	42.1	101.0	100.5	12.1	12.4	97.6	101.7	100	100	100.0	94.3
I3	6.7	6.3	106.3	115.5	41.2	41.3	99.8	98.8	41.7	42.0	99.3	98.6	12.3	12.8	96.1	101.4	112	114	98.2	105.7
K3	5.4	5.8	93.1	93.1	41.3	41.5	99.5	99.0	42.4	42.4	100.0	100.2	10.7	10.5	101.9	89.9	112	106	105.7	105.7
O3	6.2	6.2	100.0	106.9	41.5	41.5	100.0	99.5	42.2	42.2	100.0	99.8	11.7	11.1	105.4	98.3	102	103	99.0	96.2
Q3	5.7	5.6	101.8	98.3	41.6	41.7	99.8	99.8	42.6	42.6	100.0	100.7	11.4	11.9	95.8	95.8	103	105	98.1	97.2
U3	5.7	5.9	96.6	98.3	41.1	41.2	99.8	98.6	42.0	42.1	99.8	99.3	11.5	11.5	100.0	96.6	107	109	98.2	100.9
Z3	5.7	5.8	98.3	98.3	42.2	42.3	99.8	101.2	42.3	42.4	99.8	100.0	12.7	12.5	101.6	106.7	105	104	101.0	99.0
A4	6.0	6.0	100.0	103.4	42.0	42.2	99.5	100.7	42.1	42.3	99.5	99.5	12.1	12.3	98.4	101.7	102	102	100.0	96.2
B4	6.0	5.9	101.7	103.4	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.8	11.8	11.5	102.6	99.2	109	110	99.1	102.8
C4	5.9	6.2	95.2	101.7	41.5	41.5	100.0	99.5	42.4	42.2	100.5	100.2	10.7	10.8	99.1	89.9	104	106	98.1	98.1
F4	5.6	5.7	98.2	96.6	41.7	42.1	99.0	100.0	42.1	42.5	99.0	99.5	11.7	12.6	92.8	98.3	104	104	100.0	98.1
J4	6.6	5.8	103.4	103.4	42.1	42.2	99.8	101.6	42.2	42.3	99.8	99.8	11.9	11.9	100.0	100.0	122	121	100.8	115.1
K4	5.9	5.9	100.0	101.7	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.8	11.2	11.5	97.4	94.1	102	104	98.1	96.2
L4	5.8	5.8	100.0	100.0	42.1	42.0	100.2	101.6	42.2	42.1	100.2	99.8					104	103	101.0	98.1
Q4	5.3	5.3	100.0	91.4	41.2	41.1	100.2	98.8	42.3	42.3	100.0	100.0	12.4	12.8	96.9	104.2	101	104	97.1	95.3

FKOE DATA

CUR.

AV. 5.8

CUM.

AV. 5.8

IND.

%C 100.0

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

**TABLE XV**  
**AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD**  
**DECEMBER, 1965**

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / P 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
A1	6.8	6.4	99.3	103.2	41.4	41.8	99.0	99.3	42.1	42.5	99.0	99.5	12.3	12.2	100.0	104.2	106	105	101.0	100.0
B1	5.9	6.0	98.3	101.7	41.6	41.7	99.8	99.8	42.5	42.6	99.8	100.5	11.3	12.0	96.2	95.8	99	100	99.0	93.4
H1	4.3	4.2	102.4	74.1	42.5	42.6	99.8	101.9	42.9	43.0	99.8	101.4	12.1	11.9	101.7	102.5	102	106	96.2	96.2
H1	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	11.2	105.4	100.0	102	104	98.1	96.2
B1	6.0	6.1	98.4	103.4	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	11.0	11.2	98.2	93.2	106	107	99.1	100.0
F1	6.6	6.0	100.0	103.4	41.5	41.5	100.0	99.9	42.3	42.3	100.0	100.0	12.0	11.9	107.6	102.5	100	101	99.0	94.3
R1		6.1				41.8				41.9				13.7				104		
S1	4.0	5.1	96.1	84.5	41.5	41.4	100.2	99.9	42.0	42.6	100.5	101.2	11.0	12.3	95.9	100.0	101	104	97.1	95.3
V1	5.6	5.7	98.2	96.6	41.6	41.6	100.0	99.8	42.6	42.6	100.0	100.7	10.8	11.5	93.9	91.5	109	110	99.1	102.0
U1	5.7	5.8	98.3	98.3	41.9	41.6	100.7	100.5	42.9	42.5	100.9	101.4	12.6	12.0	105.0	106.8	105	103	101.9	99.0
V1	5.6	5.6	99.3	86.2	42.3	42.4	99.8	101.4	42.4	42.5	99.8	100.2	12.9	12.9	100.0	109.3	117	113	103.5	110.4
U1	5.4	5.3	101.9	93.1	41.2	41.3	99.8	98.8	41.6	41.7	99.8	98.3	12.2	12.4	98.4	103.4	104	103	101.0	92.1
H1	5.9	5.3	111.3	101.7	41.5	41.4	100.2	99.9	42.4	42.6	99.5	100.2	11.9	11.9	100.0	100.8	106	106	100.0	100.0
B2		5.4				41.3				42.4				11.9				110		
E2	5.7	5.5	103.6	90.3	41.8	41.5	100.7	100.2	42.0	42.6	100.5	101.2	12.1	12.6	96.0	102.5	102	104	98.1	96.2
G2	5.2	5.3	98.0	89.6	41.3	41.6	99.3	99.0	42.5	42.7	99.5	100.5		10.7			103	106	97.2	97.2
L2	6.8	6.0	101.7	103.2	41.7	41.6	100.2	100.0	42.5	42.4	100.2	100.5	11.7	11.5	101.7	99.2	99	105	94.3	93.4
O2	6.1	6.0	101.7	105.2	40.8	40.8	100.0	97.8	41.5	41.6	99.6	99.1	12.1	12.5	96.8	102.5	103	104	99.0	97.2
B2	5.4			93.1	42.1			101.0	42.5			100.5	12.6			106.8	91			85.0
B2		5.0				42.2				42.3				11.5				105		
U2	5.3	5.2	101.9	91.4	41.5	41.4	100.2	99.9	42.6	42.6	100.0	100.7	11.7	11.3	103.5	99.2	98	100	98.0	92.4
X2	6.2	6.4	101.6	112.1	41.4	41.5	99.8	99.3	42.0	42.2	99.5	99.3	11.9	11.8	100.8	100.8	110	113	97.3	103.0
Y2	5.4	4.0	112.9	93.1	41.6	41.5	100.2	99.8	42.7	42.9	99.5	100.9	11.2	11.1	100.9	94.9	105	110	95.4	99.0
A3		5.4				41.2				42.2				11.7				117		
B3	5.5	5.5	100.0	94.0	42.2	42.2	100.0	101.2	42.3	42.4	99.0	100.0	12.3	12.4	99.2	104.2	127	109	116.5	119.0
C3	6.4	6.5	98.5	110.3	42.1	42.0	100.2	101.0	42.3	42.2	100.2	100.0	12.1	12.3	98.4	102.5	105	104	101.0	99.0
D3	5.4	5.0	113.1	93.1	41.4	41.8	99.0	99.3	42.5	42.7	99.5	100.5	12.5	12.3	101.6	105.9	105	103	101.9	99.0
F3	6.3	6.3	100.0	108.6	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5	11.4	11.7	97.4	96.6	106	107	99.1	100.0
G3		6.0				42.0				42.1				12.0				104		
H3	6.3	6.2	101.6	100.6	41.8	41.4	101.0	100.2	42.5	42.1	101.0	100.5	12.2	12.4	98.4	103.4	100	100	100.0	94.3
I3	6.2	6.3	98.4	106.9	41.2	41.3	99.8	98.8	41.9	42.0	99.8	99.0	12.4	12.8	96.9	105.1	112	114	98.2	105.7
J3	5.3	5.7	93.0	91.4	41.3	41.4	99.8	99.0	42.4	42.4	100.0	100.2	10.3	10.5	98.1	87.3	107	107	100.0	100.9
K3	6.1	6.2	98.4	105.2	41.4	41.5	99.8	99.3	42.1	42.2	99.0	99.5	11.3	11.2	100.9	95.8	104	103	101.0	98.1
L3	5.2	5.6	92.0	89.6	41.1	41.6	98.8	98.6	42.3	42.6	99.3	100.0	11.9	11.9	100.0	100.0	104	105	99.0	98.1
U3	5.5	5.9	100.0	101.7	41.3	41.2	100.2	99.6	42.2	42.1	100.2	99.0	11.7	11.5	101.7	99.2	108	110	98.2	101.9
V3	5.7	5.0	98.3	92.3	42.3	42.3	100.0	101.4	42.4	42.4	100.0	103.2	12.5	12.5	100.0	105.9	111	104	106.7	104.7
A4	5.9	6.0	98.3	101.7	42.1	42.2	99.8	101.0	42.2	42.3	99.0	99.8	12.2	12.3	99.2	103.4	103	101	102.0	97.2
B4	6.3	5.9	106.0	108.6	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.8	11.7	11.5	101.7	99.2	108	110	98.2	101.9
C4	6.1	6.2	98.4	105.2	41.5	41.5	100.0	99.9	42.2	42.3	99.0	99.0	11.9	10.9	109.2	100.8	104	106	98.1	98.1
F4		5.7				42.0				42.4				12.6				105		
J4	6.6	5.8	103.4	103.4	42.1	42.2	99.8	101.0	42.2	42.2	100.0	99.8	12.3	11.9	103.4	104.2	120	121	99.2	113.2
K4	5.9	5.9	100.0	101.7	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.8	11.3	11.5	98.3	95.8	104	104	100.0	98.1
L4	5.8	5.8	100.0	100.0	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.5					102	104	98.1	96.2
O4	5.2	5.2	100.0	89.6	41.1	41.1	100.0	98.6	42.3	42.3	100.0	100.0	12.2	12.7	96.1	103.4	100	103	97.1	94.3

**FKBE DATA**

CUR. AV.	5.7		41.7		42.3		11.9		105
CUM. AV.	5.6		41.7		42.3		11.8		106
IND. %D	98.3		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, 1965				NOVEMBER, 1965				DECEMBER, 1965			
	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	70.0	60.2	97.2	107.1	77.0	79.8	96.3	105.3	77.0	79.5	96.8	105.2
M1	71.0	67.7	104.9	97.5	73.0	68.5	106.6	99.9	73.0	69.4	105.2	99.7
Q1	60.0	66.2	102.7	93.4	71.0	66.2	107.2	97.1	70.0	66.9	104.6	95.6
O1												
P1												
R1												
S1	70.0	70.6	95.2	96.2	60.0	70.6	96.3	93.0	72.0	70.3	102.4	98.4
T0	85.0	82.8	109.5	123.4	92.2	82.2	112.2	126.1	94.7	83.1	114.6	129.4
U1												
V1	60.0	61.0	92.4	82.4	96.0	60.8	92.1	76.6	60.0	60.1	99.8	82.0
W1	72.0	69.0	102.2	98.9	72.0	70.2	102.6	98.5	72.0	70.6	102.0	98.4
X1	73.0	75.5	97.0	101.1	70.1	75.0	92.5	95.9	72.0	75.4	96.3	99.2
D2		76.0				76.0				70.0		
G2	75.0	75.1	95.9	103.0	71.0	75.0	94.7	97.1	76.0	74.4	102.2	103.0
G2	87.4	83.0	104.3	120.0	87.0	84.4	103.1	119.0	89.0	85.2	104.5	121.6
L2	67.0	65.5	96.4	92.0	66.0	70.0	94.3	90.3	69.0	69.0	98.8	94.3
O2	65.0	67.5	101.6	94.8	70.0	68.0	102.5	95.0	68.0	68.2	99.7	92.9
O2									66.0			90.2
A2		71.0				71.0				71.9		
B2	101.0	76.5	112.0	130.7	103.0	81.4	126.5	140.9	92.0	85.0	100.2	125.7
M2	77.0	82.4	93.4	105.8	73.0	82.7	88.3	99.9	82.0	82.2	99.8	112.0
V2	73.7	74.0	90.5	101.2	69.3	74.9	92.5	94.0	69.2	74.9	92.4	94.5
A3	71.0	66.1	107.4	97.5	64.0	67.1	95.4	87.6		67.0		
B3	66.0	75.3	106.2	109.9	80.0	75.0	105.5	109.4	86.0	75.9	113.3	117.5
C3	77.0	75.7	101.7	105.8	73.0	75.0	96.3	99.9	79.0	75.5	104.6	107.9
O3		76.7				77.0				76.7		
F3												
G3		66.2				66.2				66.2		
M3	74.0	75.0	92.7	101.6	73.0	74.0	97.6	99.9	75.0	74.6	100.5	102.4
H3												
N3	85.2	82.1	103.0	117.0	88.0	82.0	106.3	120.4	87.0	83.6	104.1	110.8
O3												
Q3	91.3	88.2	111.0	125.4	93.0	81.4	115.2	120.1	97.1	82.5	117.7	132.6
U3	65.0	70.0	97.4	94.0	70.0	70.6	99.2	95.0	72.0	70.4	102.3	98.4
V3	86.0	88.2	95.2	109.9	78.0	79.7	97.9	106.7	74.0	79.0	93.7	101.1
A4	68.9	74.9	97.2	96.6	70.6	70.5	100.1	96.6	67.0	70.4	96.3	92.6
B4	77.0	74.2	103.0	105.0	73.0	74.6	97.8	99.9	77.0	74.4	103.5	105.2
C4	64.0	55.4	107.7	87.9	67.0	59.1	113.4	91.6	63.0	59.3	106.2	86.1
F4	72.0	70.3	102.4	98.9	72.0	69.9	103.0	98.5		69.7		
J4		71.3				72.5				72.3		
K4	64.9	62.0	104.7	89.1	64.9	62.5	103.0	88.0	66.6	63.2	105.4	91.0
L4	73.0	73.8	92.9	100.3	72.0	73.6	97.8	98.5	79.0	73.2	107.9	107.9
Q4	71.0	71.0	100.0	97.5	70.0	71.1	98.4	95.8	72.0	71.1	101.3	98.4

## FRAG DATA

CUR.			
AV.	75.0	74.3	75.0
CUM.			
AV.	72.0	73.1	73.2
IND.			
%B	103.0	101.6	103.6

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, 1985

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
B1		6.7			66.8				67.6				19.7				142			
M1		6.2			68.9				69.5				19.4				140			
N1	7.0	6.9	100.4	112.9	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.8	20.1	19.3	104.1	103.1	137	137	100.0	95.1
O1		6.2			68.9				69.1				19.1				137			
S1	5.9	5.9	100.0	95.2	68.2	68.3	99.8	99.4	69.6	69.7	99.8	100.3	19.0	19.0	100.0	97.4	139	145	95.9	96.5
T1	5.7	5.7	100.0	91.9	68.2	68.2	100.0	99.4	69.8	69.7	100.1	100.6	18.1	19.7	91.9	92.8	152	146	102.7	105.6
U1	6.9	7.0	98.6	111.3	68.6	68.9	99.6	100.0	69.3	69.6	99.6	99.8	18.8	19.2	97.9	96.4	137	136	100.7	95.1
V1		5.7			69.4				69.6				20.8				154			
W1	5.8	6.0	96.7	93.5	68.1	67.8	100.4	99.3	68.7	68.4	100.4	99.0	20.1	20.4	98.5	103.1	147	152	96.7	102.1
D2		5.7			68.0				69.5				19.6				143			
G2	5.4	5.7	94.7	87.1	67.6	67.9	99.6	98.5	69.4	69.5	99.8	100.0	17.6	17.4	101.1	90.2	156	141	110.6	108.3
R2	6.3	6.5	96.9	101.6	68.4	68.3	100.1	99.7	69.5	69.3	100.3	100.1	20.1	19.9	101.0	103.1	134	136	98.5	93.0
O2	6.3	6.1	103.3	101.6	67.2	66.9	100.4	98.0	68.3	68.1	100.3	98.4	20.0	20.1	99.5	102.6	139	144	96.5	96.5
R2	5.6	5.5	98.9	80.6	69.7	69.4	100.4	101.6	69.8	69.6	100.4	100.7	20.0	20.1	99.5	102.6	137	138	99.3	95.1
W2	5.5	6.3	92.6	95.2	68.2	69.1	98.7	99.4	69.6	70.3	99.0	100.3	19.1	19.8	96.5	97.9	140	140	100.0	97.2
X2	6.5	7.0	92.8	104.8	68.3	68.7	99.4	99.6	69.3	69.4	99.8	99.8	19.3	20.0	96.5	99.0	142	142	100.0	98.6
Y2	6.7	6.7	100.0	102.1	68.6	68.5	100.1	100.0	69.4	69.3	100.1	100.0	17.4	17.6	98.9	89.2	149	152	98.0	103.5
Z2	6.7	6.6	101.5	108.1	69.6	69.6	100.0	101.4	69.8	69.8	100.0	100.6	19.1	19.1	100.0	97.9	145	149	97.3	100.7
A3	5.9	5.5	107.3	95.2	67.8	67.7	100.1	98.8	69.2	69.4	99.7	99.7	19.6	20.0	98.0	100.5	160	156	102.6	111.1
B3	5.9	5.8	101.7	95.2	69.3	69.2	100.1	101.0	69.5	69.4	100.1	100.1	20.0	20.4	98.0	102.6	143	139	102.9	99.3
F3		6.2			69.0				69.2				19.7				140			
M3	7.1	7.0	101.4	114.5	69.0	68.6	100.6	100.6	69.6	69.2	100.6	100.3	19.3	19.7	98.0	99.0	139	142	97.9	96.5
I3	6.7	6.6	101.5	102.1	68.0	68.1	99.8	99.1	68.8	69.0	99.7	99.1	20.3	21.6	94.0	104.1	156	147	106.1	108.3
Q3	7.0	6.9	101.4	112.9	68.6	68.8	99.7	100.0	69.2	69.5	99.6	99.7	19.2	18.9	101.6	98.5	135	139	97.1	93.0
O3	6.1	6.1	100.0	98.4	68.6	68.5	100.1	100.0	69.8	69.7	100.1	100.6	21.2	20.4	103.9	100.7	141	136	103.7	97.9
U3	5.9	6.2	95.2	95.2	67.8	68.1	99.6	98.8	69.2	69.2	100.0	99.7	20.1	19.2	104.7	103.1	143	145	98.6	99.3
Z3	5.8	5.9	98.3	93.5	69.4	69.4	100.0	101.2	69.6	69.6	100.0	100.3	19.9	20.4	97.5	102.0	150	144	104.2	104.2
A4	6.8	6.9	98.6	109.7	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.6	19.0	97.9	95.4	133	138	96.4	92.4
B4	6.5	6.4	101.6	104.8	69.0	69.1	99.8	100.6	69.3	69.4	99.8	99.8	18.8	18.8	100.0	96.4	138	142	97.2	95.8
C4	5.7	5.5	103.6	91.9	67.9	67.8	100.1	99.0	69.5	69.5	100.0	100.1	17.8	18.1	98.3	91.3	136	139	97.8	94.4
F4	5.9	5.8	101.7	95.2	68.9	69.1	99.7	100.4	69.5	69.7	99.7	100.1	20.2	21.2	95.3	103.6	138	139	99.3	95.8
J4	6.6	6.7	98.5	106.4	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.8	19.5	19.0	102.6	100.0	156	159	98.1	108.3
K4	6.6	6.5	101.5	106.4	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	17.7	19.1	92.7	90.8	143	146	97.9	99.3
L4	6.0	5.8	103.4	96.8	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7					145	144	100.7	100.7
FMCG DATA																				
CUR. AV. 6.2																				
CUM. AV. 6.2																				
IND. %D 100.0																				
BASIS WT. 68.6																				
ADJ. BASIS WT. 69.4																				
CALIPER 19.3																				
BURSTING STRENGTH 143																				
FACT. %B 100.0																				
IND. %C 100.0																				
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TABLE XVIII

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

NOVEMBER, 1985

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / D SG FT				ADJ. BASIS WT., LB / H SG 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
M1	6.7				66.0				67.6				19.7				142			
M1	6.2				68.9				69.5				19.5				140			
M1	6.9				69.1				69.3				19.4				137			
M1	6.2				68.9				69.1				19.1				138			
S1	5.7	5.9	96.6	91.9	68.2	68.3	99.0	99.4	69.8	69.7	100.1	100.6	18.8	19.0	98.9	96.9	141	144	97.9	97.9
V1	5.7	5.7	100.0	91.9	68.2	68.2	100.0	99.4	69.8	69.7	100.1	100.6	19.2	19.4	99.0	99.0	148	150	98.7	102.8
U1	6.9	7.0	98.6	111.3	68.6	68.9	99.6	100.0	69.3	69.5	99.7	99.8	18.9	19.1	99.0	97.4	137	136	100.7	95.1
V1	5.6				69.4				69.6				20.7				155			
M1	5.8	5.9	98.3	91.5	67.6	67.8	99.7	98.5	68.2	68.4	99.7	98.3	20.4	20.3	100.5	105.2	148	151	98.0	102.8
M2	5.7				67.8				69.4				19.6				144			
G2	5.9	5.8	96.5	88.7	67.7	67.9	99.7	98.7	69.4	69.5	99.8	100.0	18.2	17.4	104.6	93.8	156	142	109.8	108.3
L2	6.6	6.5	101.9	106.4	68.6	68.4	100.3	100.0	69.5	69.3	100.3	100.1	20.0	19.9	100.5	103.1	134	136	98.5	93.0
M2	6.6	6.2	96.8	96.8	68.8	67.0	99.7	97.4	68.1	68.2	99.8	98.1	20.0	20.1	99.5	103.1	142	143	99.3	98.6
R2	4.7	5.4	87.0	75.8	70.1	69.4	101.0	102.2	70.3	69.6	101.0	101.3	19.5	20.1	97.0	100.5	138	138	100.0	95.8
M2	6.2	6.2	100.0	106.0	68.2	69.0	98.8	99.4	69.4	70.1	99.0	100.0	19.4	19.7	98.5	100.0	140	140	100.0	97.2
M2	6.9	6.9	100.0	111.3	68.5	68.6	99.8	99.8	69.2	69.3	99.8	99.7	19.4	19.7	98.5	100.0	147	142	103.5	102.1
V2	6.8	6.7	101.9	109.7	68.6	68.5	100.1	100.0	69.4	69.3	100.1	100.0	17.7	17.5	101.1	91.2	147	152	96.7	102.1
Z2	6.8	6.6	104.0	109.7	69.7	69.6	100.1	101.6	69.9	69.8	100.1	100.7	19.3	19.1	101.0	99.5	146	149	98.0	101.4
A3	5.7	5.5	103.6	91.9	67.9	67.7	100.3	99.6	69.5	69.4	100.1	100.1	19.5	20.2	96.5	100.5	160	157	101.9	111.1
M3	5.8	5.8	100.0	93.5	69.3	69.2	100.1	101.0	69.5	69.4	100.1	100.1	20.1	20.3	99.0	103.6	145	140	103.6	100.7
F3	6.2				69.0				69.2				19.8				140			
M3	7.2	7.0	102.2	116.1	69.1	68.6	100.7	100.7	69.6	69.2	100.6	100.3	19.4	19.6	99.0	100.0	137	142	96.5	95.1
I3	6.7	6.6	101.9	100.1	68.0	68.1	99.8	99.1	68.8	69.0	99.7	99.1	20.4	21.4	95.3	105.2	153	148	103.4	106.2
M3	6.8	6.9	98.6	109.7	68.7	68.7	100.0	100.1	69.5	69.4	100.1	100.1	18.8	19.0	98.9	96.9	138	139	99.3	95.8
M3	5.7	6.1	93.4	91.9	68.4	68.4	100.0	99.7	70.6	69.7	100.4	100.9	20.5	20.5	100.0	103.7	135	136	99.3	93.8
U3	6.9	6.2	111.3	111.3	68.6	68.0	100.9	100.0	69.3	69.2	100.1	99.8	19.6	19.2	102.1	101.0	144	145	99.3	100.0
Z3	5.8	5.9	90.3	93.5	69.4	69.4	100.0	101.2	69.8	69.6	100.0	100.3	19.8	20.4	97.0	102.1	149	145	102.8	103.5
A4	6.9	6.9	100.0	111.3	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.7	19.1	97.9	96.4	134	137	97.8	93.0
M4	6.7	6.4	104.7	100.1	69.0	69.1	99.8	100.6	69.3	69.4	99.8	99.8	19.3	18.8	102.6	99.5	142	142	100.0	98.6
C4	5.6	5.4	103.7	90.3	67.8	67.8	100.0	98.8	69.4	69.5	99.8	100.0	18.3	18.1	101.1	94.3	137	138	99.3	95.1
F4	5.6	5.8	96.6	90.3	68.5	69.0	99.3	99.8	69.1	69.6	99.3	99.6	19.6	21.0	93.3	101.0	138	138	100.0	95.8
J4	6.3	6.7	94.0	101.6	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.8	19.2	19.0	101.0	99.0	164	159	103.1	113.9
M4	6.8	6.6	103.0	109.7	69.0	69.0	100.0	100.0	69.2	69.2	100.0	99.7	17.9	19.0	94.2	92.3	144	146	98.6	100.0
L4	5.5	5.8	101.7	95.2	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7					142	144	98.6	98.6
FABE DATA																				
CUR.																				
AV. 6.2																				
CUM.																				
AV. 6.2																				
INC.																				
%B 100.0																				
%C 100.0																				
%B 99.5																				
%C 100.0																				

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

**TABLE XIX**  
**AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD**  
**DECEMBER, 1965**

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / P SQ FT				ADJ. BASIS WT., LB / H 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
M1		6.7				66.8				67.6				19.7				142		
M1		6.1				68.9				69.5				19.5				140		
M1	6.9	7.0	98.6	111.3	68.9	69.0	99.8	100.4	69.1	69.2	99.8	99.6	19.3	19.4	99.5	99.5	134	137	97.8	93.0
O1		6.1				69.3				69.5				19.3				137		
S1	5.6	5.8	96.6	90.3	68.3	68.3	100.0	99.6	69.9	69.8	100.1	100.7	18.6	19.0	97.9	95.9	140	144	97.2	97.2
Y1	5.8	5.7	101.8	93.5	68.3	68.2	100.1	99.6	69.8	69.7	100.1	100.6	19.1	19.5	98.5	98.5	151	150	100.7	104.9
U1	6.3	7.0	90.0	101.6	68.8	68.9	99.8	100.3	69.9	69.5	100.6	100.7	19.3	19.0	101.6	99.5	137	136	100.7	95.1
V1	5.5	5.6	98.2	88.7	69.5	69.4	100.1	101.3	69.7	69.6	100.1	100.4	20.9	20.7	101.0	107.7	158	155	101.9	109.7
M1	5.9	5.9	100.6	95.2	67.7	67.8	99.8	98.7	68.3	68.4	99.8	98.4	20.1	20.4	98.5	103.6	148	151	98.0	102.8
O2		5.6				67.8				69.4				19.7				142		
G2	5.4	5.6	96.4	87.1	67.6	67.8	99.7	98.5	69.4	69.5	99.8	100.0		17.6			146	145	101.4	101.4
L2	6.4	6.5	98.3	103.2	68.5	68.4	100.1	99.8	69.5	69.3	100.3	100.1	19.8	19.9	99.5	102.1	130	136	95.6	90.3
O2	5.7	6.1	93.4	91.9	66.7	67.0	99.6	97.2	68.2	68.2	100.0	98.3	20.0	20.1	99.5	103.1	143	143	100.0	99.3
R2		5.4				69.5				69.7				20.0				138		
M2	6.3	6.2	101.6	101.6	68.1	68.9	98.8	99.3	69.2	70.1	98.7	99.7	20.0	19.7	101.5	103.1	138	140	98.6	95.8
X2	7.0	7.0	100.0	112.9	68.7	68.4	100.4	100.1	69.3	69.1	100.3	99.8	19.5	19.4	100.5	100.5	144	144	100.0	100.0
Y2	6.8	6.7	101.5	109.7	68.8	68.5	100.4	100.3	69.6	69.3	100.4	100.3	18.4	17.5	105.1	94.8	145	152	95.4	100.7
Z2	6.5	6.6	98.5	104.8	70.0	69.6	100.6	102.0	70.2	69.8	100.6	101.2	19.2	19.1	100.5	99.0	141	140	95.3	97.9
A3		5.6				67.8				69.4				20.1				159		
B3	5.8	5.8	100.0	93.5	69.3	69.3	100.0	101.0	69.5	69.5	100.0	100.1	20.1	20.3	99.0	103.6	154	150	110.0	106.9
F3		6.2				69.0				69.2				19.9				139		
M3	7.2	7.0	102.8	116.1	68.9	68.7	100.3	100.4	69.4	69.3	100.1	100.0	19.0	19.6	96.9	97.9	137	142	96.5	95.1
I3	6.2	6.6	93.9	108.0	68.0	68.1	99.8	99.1	69.2	69.0	100.3	99.7	20.4	21.4	95.3	105.2	156	149	104.7	108.3
O3	6.5	6.8	95.6	104.8	68.4	68.7	99.6	99.7	69.4	69.4	100.0	100.0	19.3	18.9	102.1	99.5	132	139	95.0	91.7
Q3	5.3	6.8	88.3	85.5	67.8	68.4	99.1	98.8	69.6	69.7	99.8	100.3	20.3	20.5	100.0	105.7	146	136	107.4	101.4
U3	6.2	6.2	100.0	100.0	67.9	68.1	99.7	99.8	69.1	69.2	99.8	99.6	19.9	19.2	103.6	102.6	152	145	104.8	105.6
Z3	5.9	5.9	100.0	95.2	69.4	69.4	100.0	101.2	69.6	69.6	100.0	100.3	20.1	20.3	99.0	103.6	149	146	102.0	103.5
A4	6.8	6.9	98.6	109.7	68.9	69.0	99.8	100.4	69.1	69.2	99.8	99.6	19.4	19.1	101.6	100.0	134	136	98.5	93.0
B4	6.7	6.4	104.7	108.1	69.1	69.1	100.0	100.7	69.4	69.4	100.0	100.0	19.1	18.9	101.0	98.4	143	142	100.7	99.3
C4	5.4	5.4	100.0	87.1	67.6	67.8	99.7	98.5	69.4	69.5	99.8	100.0	19.1	18.2	104.9	98.4	136	138	98.6	94.4
F4	6.2	5.8	106.9	100.0	68.9	68.9	100.0	100.4	69.5	69.5	100.0	100.1	19.3	20.6	93.7	99.5	138	138	100.0	95.8
J4	6.7	6.7	100.0	108.1	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.8	19.2	19.0	101.0	99.0	155	160	96.9	107.6
K4	6.7	6.6	101.5	108.1	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	17.6	18.8	93.6	90.7	151	146	103.4	104.9
L4	5.9	5.8	101.7	95.2	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7					142	143	99.3	98.6

**FKBG DATA**  
**CUR. AV. 6.2**  
**CUM. AV. 6.2**  
**IND. %B 100.0**

**68.6**  
**68.6**  
**100.0**

**69.4**  
**69.4**  
**100.0**

**19.5**  
**19.4**  
**100.5**

**144**  
**144**  
**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, 1965				NOVEMBER, 1965				DECEMBER, 1965			
	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												
M1		120.2				120.7				121.4		
M1	131.0	126.7	101.4	112.2		127.3			123.0	126.0	97.0	104.6
O1												
S1	120.0	113.5	105.4	102.0	121.0	115.2	105.6	103.1	120.0	116.1	103.4	102.0
T1	139.5	125.5	111.2	119.5	145.7	126.9	114.8	124.1	146.0	126.6	114.2	124.0
U1												
V1		100.6				100.0			07.0	100.0	07.0	74.0
W1	121.0	126.3	100.6	103.7	120.0	120.5	99.6	102.2	114.0	120.7	94.4	96.9
X1		133.0				133.0				133.0		
Y1	135.2	127.0	100.4	115.0	141.0	120.6	109.6	120.1	139.0	130.6	106.4	110.2
L2	124.0	114.0	100.0	106.2	116.0	115.0	100.2	98.0	126.0	115.0	100.0	107.1
O2	111.0	120.3	92.3	95.1	121.0	110.0	102.5	103.1	122.0	110.6	102.9	103.7
P2		124.0				124.0				124.1		
W2	121.0	120.0	93.9	103.7	133.0	120.6	103.4	113.3	131.0	120.5	101.9	111.4
X2	136.0	135.7	100.2	116.5	133.0	134.3	99.0	113.3	141.0	134.0	105.2	119.9
Y2	110.2	104.0	100.0	94.4	99.2	104.0	94.6	84.5	96.2	104.7	91.9	81.0
Z2												
A3		105.0			116.0	106.4	109.0	98.0		106.9		
B3	110.0	113.3	102.4	99.4	115.0	113.0	101.0	98.0	135.0	113.6	110.0	114.0
F3												
M3	110.0	117.0	100.4	101.1	115.0	117.0	97.0	98.0	115.0	117.2	90.1	97.0
X3												
O3												
Q3	140.0	117.0	119.0	120.5	130.2	119.1	116.0	117.7	143.3	121.0	110.4	121.0
U3	109.0	111.2	90.0	93.4	110.0	110.7	99.4	93.7	110.0	109.0	107.5	100.3
Z3	114.0	110.5	95.9	97.7	109.0	117.0	92.3	92.0	112.0	116.7	96.0	95.2
A4	116.0	115.0	101.0	100.1	117.0	115.4	101.4	99.6	116.1	115.0	100.2	90.7
B4	125.0	123.0	101.0	107.1	132.0	124.0	106.4	112.4	131.0	125.0	104.0	111.4
C4	111.0	104.5	102.3	95.1	110.0	107.7	102.1	93.7	104.0	107.0	97.2	80.4
F4	113.0	112.0	100.9	96.0	111.0	112.3	98.0	94.5	100.0	112.0	96.4	91.0
J4		121.7				123.2				123.6		
K4	114.9	110.6	101.9	98.4	111.0	111.3	99.7	94.5	115.0	111.9	102.0	97.0
L4	120.0	119.0	100.0	102.0	117.0	119.0	90.3	99.0	131.0	110.2	110.0	111.4
FKBG DATA												
CUR.												
AV.		121.3			120.5				121.6			
CUM.												
AV.		116.7			117.4				117.6			
IND.												
%C		103.9			102.6				103.4			

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  
 OCTOBER, 1985

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., <sup>a</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
P1		6.9				89.8				90.7				28.1				159		
S1		6.2				89.4				91.0				25.1				173		
M1	8.3	8.5	97.6	129.7	88.8	89.1	99.7	99.1	89.6	89.9	99.7	98.9	26.3	26.5	99.2	104.0	178	176	101.1	103.5
G2	5.6	5.8	96.6	87.5	88.4	88.8	99.5	98.7	90.5	90.8	99.7	99.9	22.5	23.3	96.6	88.9	171	169	101.2	99.4
L2	5.8	6.2	93.5	90.6	89.3	88.8	100.6	99.7	91.3	90.3	101.1	100.8	26.3	26.1	100.8	104.0	163	165	98.8	94.8
W2	6.4	6.4	100.0	100.0	89.7	90.3	99.3	100.1	91.0	91.7	99.2	100.4	26.8	26.5	101.1	105.9	153	156	98.1	89.0
Y2	6.9	6.8	101.5	107.8	89.5	89.4	100.1	99.9	90.4	90.4	100.0	99.8	23.2	23.2	100.0	91.7	181	188	96.3	105.2
Z2	6.6	6.6	100.0	103.1	90.8	90.5	100.3	101.3	91.1	90.8	100.3	100.6	24.4	24.9	98.0	96.4	184	184	100.0	107.0
A3	5.9	5.6	105.4	92.2	88.6	88.6	100.0	98.9	90.5	90.6	99.9	99.9	25.9	26.3	98.5	102.4	177	175	101.1	102.9
B3	5.7	5.7	100.0	89.1	90.6	90.4	100.2	101.1	90.9	90.6	100.3	100.3	26.9	26.1	103.1	106.3	163	164	99.4	94.8
Q3	7.4	7.2	102.8	115.6	89.9	89.8	100.1	100.3	90.3	90.3	100.0	99.7	25.5	25.5	100.0	100.8	160	159	100.6	93.0
U3	6.6	6.3	104.8	103.1	89.0	88.9	100.1	99.1	90.2	90.3	99.9	99.6	25.2	25.2	100.0	99.6	170	176	96.6	98.8
A4	6.9	6.9	100.0	107.0	89.0	89.9	99.0	99.3	89.3	90.2	99.0	98.6	25.3	25.2	100.4	100.0	159	162	98.1	92.4
B4		6.9				90.0				90.5				25.8				184		
J4	6.1	6.5	93.8	95.3	90.0	90.2	99.8	100.4	90.3	90.4	99.9	99.7	24.9	24.6	101.2	98.4	177	191	92.7	102.9
K4		6.0				90.0				90.3				25.1				174		
FKBE DATA																				
CUR.																				
AV. 6.5																				
CUM.																				
AV. 6.4																				
INC.																				
#B 101.6																				

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

TABLE XXII

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

NOVEMBER, 1965

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / D 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
P1		6.9				89.0				90.7				20.1				159		
S1		6.1				89.3				90.9				25.1				172		
M1	8.6	8.6	102.4	114.4	88.8	89.1	99.7	99.1	89.6	89.9	99.7	98.9	26.3	26.6	98.9	104.0	179	176	101.7	104.1
G2	5.2	5.2	100.0	90.6	88.7	88.8	99.9	99.0	90.7	90.7	100.0	100.1		23.2			169	169	100.0	98.2
L2	6.0	6.2	96.2	93.2	89.5	88.0	100.0	95.5	91.3	90.3	101.1	100.0	26.3	26.1	100.0	104.0	164	165	99.4	95.3
M2	6.3	6.4	92.4	92.4	89.6	90.2	99.3	100.0	91.6	91.6	99.3	100.4	26.4	26.5	99.6	104.3	154	155	99.4	89.5
V2	6.9	6.2	101.5	107.0	89.7	89.4	100.3	100.1	90.6	90.4	100.2	100.0	23.5	23.2	101.3	92.9	188	188	100.0	109.3
Z2	6.6	6.6	100.0	103.1	90.5	90.5	100.0	101.0	90.8	90.8	100.0	100.2	24.8	24.9	99.6	98.0	181	184	98.4	105.2
A3	5.5	5.7	96.3	85.9	88.3	88.7	99.5	98.5	90.5	90.6	99.9	99.9	26.0	26.2	99.2	102.0	173	176	98.3	100.6
B3		5.7				90.4				90.7				26.2				163		
D3		7.2				89.8				90.3				25.5				159		
U3	7.0	6.4	109.4	109.4	89.4	88.9	100.6	99.2	90.2	90.3	99.9	99.6	26.8	25.3	105.9	105.9	170	176	96.6	98.8
A4	6.2	6.5	92.6	106.2	89.2	89.8	100.0	100.2	90.1	90.1	100.0	99.4	25.0	25.4	98.4	98.8	161	160	100.6	93.6
B4		6.9				90.0				90.5				25.8				184		
J4	6.3	6.5	96.5	98.4	90.1	90.1	100.0	100.6	90.4	90.4	100.0	99.0	24.9	24.6	101.2	98.4	183	190	96.3	106.4
K4		6.0				90.6				90.3				25.1				174		
FACG DATA																				
CUR.																				
AV.	6.6																			
CUM.																				
AV.	6.4																			
IND.																				
%C	103.1																			

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, 1985

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / P 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
P1		6.9			89.8				90.7				28.1				159			
S1	5.8	6.1	55.1	90.6	89.7	89.3	100.4	100.2	91.7	90.9	100.9	101.2	24.8	25.1	98.8	98.0	160	170	94.1	93.0
M1		2.4			89.1				89.9				26.5				177			
G2	5.6	5.0	96.6	87.5	88.5	88.8	99.7	98.9	90.6	90.7	99.9	100.0	23.1				169	170	99.4	98.2
L2	5.5	6.2	55.2	92.2	89.5	88.8	100.8	100.0	91.4	90.4	101.1	100.9	26.5	26.0	101.9	104.7	162	165	98.2	96.2
M2	6.3	6.3	100.0	98.4	89.4	90.2	99.1	99.9	90.8	91.6	99.1	100.2	26.7	26.5	100.8	105.5	153	155	98.7	89.0
Y2	7.0	6.8	102.9	109.4	89.8	89.5	100.3	100.3	90.6	90.4	100.2	100.0	24.7	23.2	106.5	97.6	180	188	95.7	104.6
Z2		6.6			90.6				90.8				24.9				182			
A3		5.7			88.6				90.6				26.2				175			
B3		5.7			90.4				90.7				26.2				163			
O3	7.0	7.1	98.6	109.4	89.5	89.7	99.8	100.0	90.3	90.3	100.0	99.7	25.8	25.3	102.0	102.0	163	160	101.9	94.8
U3	6.6	6.4	103.1	103.1	89.1	89.0	100.1	99.6	90.3	90.3	100.0	99.7	25.0	25.4	98.4	98.8	178	175	101.7	103.5
A4	6.6	6.9	55.6	103.1	89.9	89.8	100.1	100.4	90.2	90.1	100.1	99.6	26.2	25.4	103.1	103.6	153	161	95.0	89.0
B4		6.9			90.0				90.5				25.8				184			
J4	6.6	6.5	101.5	103.1	89.9	90.1	99.8	100.4	90.2	90.4	99.8	99.6	25.4	24.6	103.2	100.4	179	189	94.7	104.1
K4		6.0			90.0				90.3				25.1				174			
FK86 DATA																				
CUR.																				
AV. 6.4																				
CUM.																				
AV. 6.4																				
INC.																				
*D 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, 1965				NOVEMBER, 1965				DECEMBER, 1965			
	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
P1		151.9				151.6			160.0	153.5	104.2	106.4
S1	193.0	148.5	103.6	100.1	120.0	148.6	90.8	78.2		166.5		
G2	188.3	174.2	103.5	118.0	187.0	175.7	106.4	121.8	186.0	176.3	104.4	120.0
L2	176.6	152.8	115.2	115.2	157.0	155.3	101.1	102.3	172.0	156.0	110.2	112.2
H2	154.0	156.7	98.3	100.8	157.0	156.5	99.0	102.3	162.0	159.7	101.4	105.7
V2	151.3	146.4	103.3	99.0	151.2	146.9	102.9	98.5	137.3	148.0	92.8	89.6
Z2												
A3	154.0	141.0	109.2	100.8	129.0	144.1	89.5	86.0		142.7		
B3	150.0	148.2	101.2	98.2		147.9				147.4		
O3												
U3	142.0	146.5	96.8	92.9	140.0	145.6	96.2	91.2	153.0	146.3	106.0	99.8
A4	145.2	151.6	98.4	97.6	148.0	150.9	98.1	96.4	151.0	150.9	100.6	99.0
B4		180.0				180.0				180.0		
J4		155.5				157.5				154.8		
K4		139.0				139.0				139.0		
FKBG DATA												
CUR.												
AV.	156.6				148.6				160.0			
CUM.												
AV.	152.8				153.5				153.3			
IND.												
°B	102.5				96.8				104.4			

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


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

It should be explained that the number of machines for which data are compiled in each table for a specified month varies for these reasons: a machine must have (a) produced at least 500 tons of the pertinent grade weight during the specified month, or (b) produced 500 tons of the pertinent grade weight during 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.

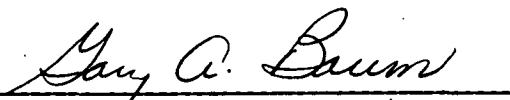
TABLE XXV  
 DATA ON CONDITIONING AND TESTING ENVIRONMENTS  
 OCTOBER, NOVEMBER, DECEMBER, 1985

Code	Conditioning Environment			Testing Environment
	Are Quality Samples Conditioned Before Testing?	Time	Temp., °F	Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
A1	No	--	--	Yes: 73°F; 50% RH
B1	No	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
D1	No	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
H1	No	--	--	No
L1	No	--	--	No
N1	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
O1	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
P1	No	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
R1	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
S1	Yes	10 min	70	50 Yes: 70 ± 4°F; 50 ± 5% RH
T1	No	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
U1	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
V1	Yes	15 min	--	Yes: 73 ± 3.5°F; 50 ± 3% RH
W1	No	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
X1	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
D2	No data was submitted for this period			
E2	Yes	10 min	70	50 Yes: 70 ± 4°F; 50 ± 5% RH
F2	Yes	10 min	--	Yes: 72 ± 2°F; 50 ± 2% RH
G2	Yes	10 min	--	Yes: 73 ± 3°F; 50 ± 3% RH
L2	Yes	10 min	--	Yes: 72 ± 2°F; 50 ± 2% RH
O2	Yes	20 min	--	Yes: 72 ± 3.5°F; 50 ± 2% RH
Q2	No	--	--	No
R2	No	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
W2	No	--	--	No
X2	No	--	--	Yes: 73°F; 50% RH
Y2	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Z2	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
A3	No	--	--	Yes: 73°F; 50% RH
B3	No	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
C3	No	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
D3	No	--	--	Yes: 73 ± 3°F; 50 ± 1% RH
E3	No	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
F3	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
G3	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
H3	No	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
I3	Yes	15 min	--	Yes: 73 ± 2°F; 50 ± 1% RH
J3	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
K3	Yes	10 min	--	Yes: 73 ± 3°F; 50 ± 3% RH
L3	No	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
M3	No	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
O3	No	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
P3	No	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
Q3	No	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
U3	No	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
Y3	No	--	--	Yes: 73 ± 3°F; 50 ± 1% RH
Z3	No	--	--	No
A4	Yes	7 min	--	Yes: 73 ± 2°F; 50 ± 2% RH
B4	No	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
C4	No	--	--	No
F4	No	--	--	No
J4	No	--	--	Yes: 73°F; 50% RH
K4	No	--	--	No
L4	No	--	--	No
O4	Yes	10 min	70	50 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

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

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

$$\text{Cumulative F.K.B.G. average} = \frac{\text{CFKBGA's}^b \text{ for previous 12 months excluding CFKBGA for current month}}{12}$$

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

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

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