

CONTINUOUS BASE-LINE STUDY (MODIFIED)  
(MILL LINERBOARD DATA FOR JULY, AUGUST,  
SEPTEMBER, 1978)  
Project 2694-1  
Report Sixty-nine  
A Progress Report  
to  
FOURDRINIER KRAFT BOARD GROUP  
of The  
AMERICAN PAPER INSTITUTE  
November 30, 1978



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3rd Quarter, 1978

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

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(MILL LINERBOARD DATA FOR JULY, AUGUST, SEPTEMBER, 1978)

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November 30, 1978

TABLE OF CONTENTS

Page

SUMMARY

1

INTRODUCTION

5

PRESENTATION OF DATA

5

Presentations (Tables):

Table I-II-III	26-Lb Linerboard, Monthly Averages of Mill Data	6-7-8
Table IV-V-VI	33-Lb Linerboard, Monthly Averages of Mill Data	9-10-11
Table VII-VIII-IX	38-Lb Linerboard, Monthly Averages of Mill Data	12-13-14
Table X-XI-XII	42-Lb Linerboard, Monthly Averages of Mill Data	15-16-17
Table XIII-XIV-XV	69-Lb Linerboard, Monthly Averages of Mill Data	18-19-20
Table XVI-XVII-XVIII	90-Lb Linerboard, Monthly Averages of Mill Data	21-22-23
Table XIX	Data on Conditioning and Testing Environments	

APPENDIX. NOTES A, B, C, AND D USED IN TABULATION OF MILL DATA

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)  
(MILL LINERBOARD DATA FOR JULY, AUGUST, AND SEPTEMBER, 1978)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA  
(JUNE-SEPTEMBER, 1978)

Linerboard Grade Wt.		Moisture Content			
		June	July	August	September
26 Lb	Max. <sup>a</sup>	7.2	5.7	6.6	5.7
	Min. <sup>a</sup>	2.0	2.8	2.6	2.3
	Av. <sup>b</sup>	4.8 (18)	4.4 (16)	4.6 (15)	4.5 (14)
33 Lb	Max. <sup>a</sup>	6.2	6.4	6.5	6.4
	Min. <sup>a</sup>	2.3	2.1	2.0	2.2
	Av. <sup>b</sup>	4.9 (27)	4.8 (20)	4.9 (19)	4.8 (20)
38 Lb	Max. <sup>a</sup>	6.6	6.6	6.9	6.6
	Min. <sup>a</sup>	2.5	2.6	2.7	4.0
	Av. <sup>b</sup>	4.9 (24)	5.0 (24)	5.2 (21)	5.3 (19)
42 Lb	Max. <sup>a</sup>	6.9	7.0	7.3	7.3
	Min. <sup>a</sup>	3.6	3.6	3.1	3.0
	Av. <sup>b</sup>	5.3 (42)	5.3 (38)	5.3 (36)	5.3 (37)
69 Lb	Max. <sup>a</sup>	7.9	8.1	8.0	8.2
	Min. <sup>a</sup>	2.5	3.0	3.8	3.5
	Av. <sup>b</sup>	5.9 (32)	6.0 (30)	6.0 (28)	5.9 (29)
90 Lb	Max. <sup>a</sup>	7.2	7.2	7.4	7.0
	Min. <sup>a</sup>	5.5	3.4	4.9	3.6
	Av. <sup>b</sup>	6.4 (11)	6.1 (11)	6.4 (12)	5.8 (12)

<sup>a</sup>Current machine average.

<sup>b</sup>Current FKBG average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA  
(JUNE-SEPTEMBER, 1978)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M ft <sup>2</sup>			
		June	July	August	September
26 Lb	Max. <sup>a</sup>	27.3	27.3	27.5	27.7
	Min. <sup>a</sup>	25.7	26.1	26.1	26.1
	Av. <sup>b</sup>	26.4 (18)	26.6 (16)	26.6 (15)	26.6 (14)
33 Lb	Max. <sup>a</sup>	35.0	35.2	34.7	34.7
	Min. <sup>a</sup>	33.1	32.8	33.0	32.9
	Av. <sup>b</sup>	33.6 (27)	33.5 (20)	33.5 (19)	33.5 (20)
38 Lb	Max. <sup>a</sup>	40.4	41.2	40.2	39.0
	Min. <sup>a</sup>	38.1	37.7	38.0	37.5
	Av. <sup>b</sup>	38.6 (24)	38.6 (24)	38.6 (21)	38.3 (19)
42 Lb	Max. <sup>a</sup>	43.9	43.2	43.4	43.9
	Min. <sup>a</sup>	42.0	41.5	42.0	41.8
	Av. <sup>b</sup>	42.5 (42)	42.4 (38)	42.4 (36)	42.5 (37)
69 Lb	Max. <sup>a</sup>	71.1	70.8	71.1	70.7
	Min. <sup>a</sup>	68.8	68.3	68.6	68.1
	Av. <sup>b</sup>	69.6 (32)	69.5 (30)	69.6 (28)	69.5 (29)
90 Lb	Max. <sup>a</sup>	91.8	92.1	91.8	91.9
	Min. <sup>a</sup>	89.7	89.8	89.4	90.1
	Av. <sup>b</sup>	90.6 (11)	90.6 (11)	90.3 (12)	90.7 (12)

<sup>a</sup>Current machine average.

<sup>b</sup>Current FKBG average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA  
(JUNE-SEPTEMBER, 1978)

Linerboard Grade Wt.		Caliper, pt			
		June	July	August	September
26 Lb	Max. <sup>a</sup>	9.0	8.7	8.9	9.2
	Min. <sup>a</sup>	7.1	6.9	7.0	7.3
	Av. <sup>b</sup>	7.9 (18)	8.0 (16)	8.0 (15)	8.1 (14)
33 Lb	Max. <sup>a</sup>	11.8	10.6	11.2	10.6
	Min. <sup>a</sup>	8.9	8.7	9.0	8.9
	Av. <sup>b</sup>	10.0 (26)	9.8 (19)	10.0 (19)	9.9 (19)
38 Lb	Max. <sup>a</sup>	11.7	12.1	11.8	11.7
	Min. <sup>a</sup>	10.0	9.8	10.1	10.2
	Av. <sup>b</sup>	11.0 (23)	11.0 (23)	10.9 (20)	11.0 (18)
42 Lb	Max. <sup>a</sup>	14.0	13.1	13.5	13.2
	Min. <sup>a</sup>	10.8	11.0	10.3	11.0
	Av. <sup>b</sup>	12.1 (41)	12.0 (37)	12.0 (35)	12.1 (36)
69 Lb	Max. <sup>a</sup>	23.1	22.5	22.0	21.3
	Min. <sup>a</sup>	17.9	17.2	17.7	17.8
	Av. <sup>b</sup>	19.8 (32)	19.5 (29)	19.7 (28)	19.6 (28)
90 Lb	Max. <sup>a</sup>	26.9	27.0	27.3	27.4
	Min. <sup>a</sup>	23.1	23.8	21.2	24.1
	Av. <sup>b</sup>	25.2 (11)	25.4 (11)	25.3 (12)	25.7 (12)

<sup>a</sup> Current machine average.

<sup>b</sup> Current FKBG average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA  
 (JUNE-SEPTEMBER, 1978)

Linerboard Grade Wt.		Bursting Strength, psig			
		June	July	August	September
26 Lb	Max. <sup>a</sup>	80	84	86	80
	Min. <sup>a</sup>	61	67	66	65
	Av. <sup>b</sup>	73 (18)	73 (16)	73 (15)	71 (14)
33 Lb	Max. <sup>a</sup>	99	98	99	112
	Min. <sup>a</sup>	78	79	79	79
	Av. <sup>b</sup>	87 (27)	86 (20)	87 (19)	87 (20)
38 Lb	Max. <sup>a</sup>	114	109	111	105
	Min. <sup>a</sup>	92	88	91	87
	Av. <sup>b</sup>	98 (24)	98 (24)	98 (21)	96 (19)
42 Lb	Max. <sup>a</sup>	118	119	119	121
	Min. <sup>a</sup>	98	98	98	98
	Av. <sup>b</sup>	105 (42)	106 (38)	106 (36)	106 (37)
69 Lb	Max. <sup>a</sup>	162	162	165	163
	Min. <sup>a</sup>	128	131	132	134
	Av. <sup>b</sup>	143 (32)	143 (30)	142 (27)	143 (29)
90 Lb	Max. <sup>a</sup>	187	200	202	183
	Min. <sup>a</sup>	157	159	160	153
	Av. <sup>b</sup>	169 (11)	172 (11)	170 (12)	167 (12)

<sup>a</sup>Current machine average.

<sup>b</sup>Current FKBG average, number of machines is indicated in parentheses.

## INTRODUCTION

The continuous base-line study (modified) is a compilation of monthly averages of mill test data obtained routinely on six major grade weights of linerboard manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, and bursting strength tests made on the production of individual machines which produced at least 500 tons of one or more of the following six major grade weights during a given month: 26, 33, 38, 42, 69, and 90 lb. At the Institute, the as-reported basis weight, corresponding to the as-reported moisture content, is adjusted to a moisture content of 7.8%. Both the as-reported and the adjusted basis weight averages are included in the report. Note that the moisture content at the as-reported basis weight (not shown in tables) does not necessarily agree with the moisture content indicated in the report as measured at the reel. This is because some mills measure their basis weight at other than reel or standard conditions. The as-reported basis weight is included in the tables for reference only and should not be used for comparison purposes.

## PRESENTATION OF DATA

For the six major grade weights of linerboard referred to earlier, mill test averages for moisture content, basis weight (reported and adjusted), caliper, and bursting strength are compiled in the following tables.

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

TABLE I  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD  
JULY, 1978

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	3.5	3.6	97.2	76.1	25.0	25.1	99.6	96.2	26.2	26.2	100.0	98.5	7.4	6.7	110.4	93.7	71	72	98.6	98.6
E1		6.3				26.2				26.3				7.1				75		
K1		5.6				26.1				26.7				8.0				70		
L1		6.5				26.1				26.3				7.2				75		
M1		5.7				26.0				26.1				7.4				63		
N1	5.0	5.0	100.0	108.7	25.7	25.2	102.0	98.8	26.5	26.0	101.9	99.6	7.8	7.8	100.0	98.7	76	73	104.1	105.6
O1		1.5				26.4				28.2				8.3				66		
W1		3.1				26.1				26.2				7.8				74		
Y1	3.4	4.0	85.0	73.9	25.3	26.3	96.2	97.3	26.5	27.4	96.7	99.6	8.1	7.8	103.8	102.5	75	78	96.2	104.2
Z1	4.0	3.8	105.3	87.0	27.2	26.8	101.5	104.6	27.3	26.9	101.5	102.6	8.6	7.6	113.2	108.9	72	70	102.8	100.0
C2		4.6				27.4				27.6				8.0				66		
D2		6.3				26.0				26.1				7.1				65		
E2		5.1				26.1				26.8				8.4				70		
G2	5.3	5.1	103.9	115.2	26.1	26.5	98.5	100.4	26.8	27.3	98.2	100.8	8.3	8.5	97.6	105.1	67	68	98.5	93.0
H2		5.1				26.0				26.8				9.2				70		
J2	4.4	5.2	84.6	95.6	26.0	26.2	99.2	100.0	27.0	26.9	100.4	101.5	7.8	8.2	95.1	98.7	78	69	113.0	108.3
K2	5.4	4.8	112.5	117.4	25.8	25.7	100.4	99.2	26.5	26.5	100.0	99.6	6.9	7.4	93.2	87.3	67	67	100.0	93.0
L2	4.0	4.4	90.9	87.0	25.4	25.4	100.0	97.7	26.4	26.3	100.4	99.2	7.5	7.6	98.7	94.9	71	79	89.9	98.6
M2	5.0	4.8	104.2	108.7	26.6	26.4	100.8	102.3	26.7	26.5	100.8	100.4	8.1	8.1	100.0	102.5	72	71	101.4	100.0
O2	5.7	5.2	109.6	123.9	26.0	26.1	99.6	100.0	26.1	26.2	99.6	98.1	8.3	8.2	101.2	105.1	69	68	101.5	95.8
P2		4.9				25.6				26.5				8.1				72		
S2		3.8				26.3				27.4				7.3				76		
U2	5.1	5.3	96.2	110.9	25.6	25.5	100.4	98.5	26.3	26.2	100.4	98.9	8.5	8.3	102.4	107.6	76	82	92.7	105.6
V2		6.8				25.5				25.8				8.2				78		
Y2		4.8				26.0				26.8				7.8				71		
Z2		5.6				26.2				26.9				8.0				66		
A3	2.8	2.5	112.0	60.9	25.3	25.2	100.4	97.3	26.7	26.6	100.4	100.4	7.4	8.1	91.4	93.7	72	75	96.0	100.0
B3	3.6	3.8	94.7	78.3	27.0	27.0	100.0	103.8	27.1	27.1	100.0	101.9	8.7	8.4	103.6	110.1	72	72	100.0	100.0
C3	4.6	4.0	115.0	100.0	25.8	25.6	100.8	99.2	26.7	26.6	100.4	100.4	7.6	7.9	96.2	96.2	77	78	98.7	106.9
D3		5.8				26.1				26.2								73		
F3		5.8				26.9				27.4				9.0				63		
G3	4.1	4.3	95.3	89.1	25.8	25.9	99.6	99.2	26.8	26.9	99.6	100.8	7.8	7.7	101.3	98.7	74	72	102.8	102.8
H3	4.1			89.1	25.8			99.2	26.8			100.8	8.5			107.6	84			116.7
FKBG DATA																				
CUR.																				
AV. 4.4																				
CUM.																				
AV. 4.6																				
IND.																				
*D 95.6																				

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

TABLE II  
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD  
 AUGUST, 1978

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		3.5				25.1				26.2				6.9				71		
E1	6.6	6.3	104.8	143.5	26.5	26.2	101.1	101.9	26.6	26.3	101.1	100.0	7.0	7.1	98.6	88.6	76	75	101.3	105.6
K1		5.6				26.1				26.7				8.0				70		
L1		6.4				26.0				26.2				7.2				77		
M1		5.7				26.0				26.1				7.4				63		
N1	4.8	5.1	94.1	104.3	25.5	25.3	100.8	98.1	26.3	26.1	100.8	98.9	8.0	7.8	102.6	101.3	78	74	105.4	108.3
O1		1.5				26.4				28.2				8.3				66		
W1		3.1				26.1				26.2				7.7				74		
Y1		3.9				26.1				27.2				7.9				79		
Z1	3.6	3.8	94.7	78.3	26.1	26.8	97.4	100.4	26.2	26.9	97.4	98.5	7.2	7.6	94.7	91.1	73	71	102.8	101.4
C2		4.6				27.4				27.6				8.0				66		
D2		6.3				26.0				26.1				7.1				65		
E2	5.4	5.1	105.9	117.4	26.1	26.1	100.0	100.4	26.8	26.8	100.0	100.8	8.4	8.4	100.0	106.3	72	70	102.8	100.0
G2	5.1	5.1	100.0	110.9	26.7	26.5	100.8	102.7	27.5	27.2	101.1	103.4	8.5	8.4	101.2	107.6	66	67	98.5	91.7
H2	5.0	5.1	98.0	108.7	25.9	26.0	99.6	99.6	26.7	26.8	99.6	100.4	8.6	9.1	94.5	108.9	71	70	101.4	98.6
J2		4.4				26.0				27.0				7.8				78		
K2	5.3	4.9	108.2	115.2	25.8	25.7	100.4	99.2	26.5	26.5	100.0	99.6	7.1	7.4	95.9	89.9	66	67	98.5	91.7
L2	4.0	4.3	93.0	87.0	25.3	25.4	99.6	97.3	26.3	26.4	99.6	98.9	7.7	7.6	101.3	97.5	74	78	94.9	102.8
M2	4.8	4.8	100.0	104.3	26.2	26.4	99.2	100.8	26.3	26.5	99.2	98.9	8.0	8.1	98.8	101.3	67	71	94.4	93.0
O2	5.6	5.3	105.7	121.7	26.0	26.1	99.6	100.0	26.1	26.2	99.6	98.1	8.4	8.2	102.4	106.3	69	68	101.5	95.8
P2		4.9				25.6				26.5				8.0				72		
S2		3.8				26.4				27.5				7.3				77		
U2		5.3				25.6				26.2				8.3				81		
V2		6.8				25.5				25.8				8.2				78		
Y2		4.6				25.8				26.7				7.7				73		
Z2		5.4				26.4				27.0				8.0				66		
A3	2.6	2.5	104.0	56.5	25.1	25.2	99.6	96.5	26.5	26.6	99.6	99.6	7.6	8.0	95.0	96.2	84	75	112.0	116.7
B3	4.1	3.8	107.9	89.1	26.9	27.0	99.6	103.5	27.0	27.2	99.3	101.5	8.9	8.5	104.7	112.6	72	72	100.0	100.0
C3	4.5	4.1	109.8	97.8	25.5	25.6	99.6	98.1	26.4	26.6	99.2	99.2	8.1	7.8	103.8	102.5	73	78	93.6	101.4
D3		5.7				26.1				26.2								74		
F3		5.8				26.9				27.4				9.0				63		
G3	4.1	4.3	95.3	89.1	25.8	25.9	99.6	99.2	26.8	26.9	99.6	100.8	7.7	7.7	100.0	97.5	73	72	101.4	101.4
H3	4.2	4.1	102.4	91.3	25.6	25.8	99.2	98.5	26.6	26.8	99.2	100.0	8.0	8.5	94.1	101.3	86	84	102.4	119.4
FKBG DATA																				
CUR.																				
AV.	4.6				25.9				26.6				7.9				73			
CUM.																				
AV.	4.6				26.0				26.6				7.9				72			
IND.																				
*D	100.0				99.6				100.0				100.0				101.4			

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  
SEPTEMBER, 1978

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		3.5				25.1				26.2				6.9				71		
E1		6.3				26.2				26.3				7.0				76		
K1		5.6				26.1				26.7				8.0				70		
L1		6.3				26.0				26.1				7.1				76		
M1		5.7				26.0				26.1				7.4				63		
N1		5.1				25.4				26.2				7.8				74		
D1		1.6				26.7				28.5				8.4				66		
W1	3.6	3.1	116.1	78.3	26.0	26.1	99.6	100.0	26.1	26.2	99.6	98.1	7.8	7.7	101.3	98.7	65	74	87.8	90.3
Y1		3.9				26.1				27.2				7.9				79		
Z1	3.7	3.8	97.4	80.4	26.2	26.7	98.1	100.8	26.3	26.8	98.1	98.9	7.6	7.6	100.0	96.2	70	71	98.6	97.2
C2		4.6				27.4				27.6				8.0				66		
D2		6.3				26.0				26.1				7.1				65		
E2	5.6	5.2	107.7	121.7	26.1	26.1	100.0	100.4	26.7	26.8	99.6	100.4	8.7	8.4	103.6	110.1	71	71	100.0	98.6
G2	5.4	5.1	105.9	117.4	26.6	26.5	100.4	102.3	27.3	27.3	100.0	102.6	8.6	8.4	102.4	108.9	68	67	101.5	94.4
H2	4.9	5.1	96.1	106.5	26.0	26.0	100.0	100.0	26.8	26.7	100.4	100.8	9.0	9.0	100.0	113.9	67	70	95.7	93.0
J2		4.4				26.0				27.0				7.8				78		
K2	5.5	5.0	110.0	119.6	25.8	25.8	100.0	99.2	26.4	26.5	99.6	99.2	7.3	7.4	98.6	92.4	68	67	101.5	94.4
L2	3.9	4.2	92.8	84.8	25.1	25.4	98.8	96.5	26.2	26.4	99.2	98.5	7.8	7.6	102.6	98.7	77	78	98.7	106.9
M2	4.6	4.8	95.8	100.0	26.2	26.4	99.2	100.8	26.3	26.5	99.2	98.9	8.2	8.1	101.2	103.8	66	71	93.0	91.7
O2	5.5	5.3	103.8	119.6	26.1	26.1	100.0	100.4	26.2	26.2	100.0	98.5	8.1	8.2	98.8	102.5	70	68	102.9	97.2
P2		4.9				25.7				26.5				8.0				72		
S2		3.8				26.4				27.5				7.3				77		
U2	5.7	5.3	107.5	123.9	25.5	25.6	99.6	98.1	26.1	26.2	99.6	98.1	8.1	8.3	97.6	102.5	74	81	91.4	102.8
V2		6.8				25.5				25.8				8.2				78		
Y2		4.6				25.9				26.8				7.7				73		
Z2		5.4				26.6				27.2				8.1				66		
A3	2.3	2.5	92.0	50.0	25.0	25.2	99.2	96.2	26.5	26.7	99.2	99.6	7.4	7.9	93.7	93.7	80	76	105.3	111.1
B3	3.8	3.8	100.0	82.6	27.6	27.0	102.2	106.2	27.7	27.2	101.8	104.1	9.2	8.6	107.0	116.4	70	72	97.2	97.2
C3		4.2				25.6				26.6				7.9				77		
D3		5.7				26.1				26.2								74		
F3		5.8				26.9				27.4				9.0				63		
G3	4.6	4.3	107.0	100.0	26.0	25.9	100.4	100.0	26.9	26.8	100.4	101.1	7.7	7.7	100.0	97.5	73	72	101.4	101.4
H3	4.3	4.2	102.4	93.5	25.4	25.7	98.8	97.7	26.4	26.7	98.9	99.2	8.1	8.2	98.8	102.5	78	85	91.8	108.3
FKBG DATA																				
CUR.																				
AV. 4.5																				
CUM.																				
AV. 4.6																				
IND.																				
*D 97.8																				
26.0																				
26.6																				
8.1																				
71																				
26.0																				
26.6																				
7.9																				
72																				
100.0																				
100.0																				
102.5																				
98.6																				

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

TABLE IV  
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD  
 JULY, 1978

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	4.6	3.8	121.0	95.8	32.0	31.8	100.6	97.6	33.1	33.2	99.7	98.8	9.7	8.9	109.0	98.0	86	89	96.6	100.0
B1		6.0				33.1				33.2				9.1				84		
E1		6.4				33.0				33.1				9.0				92		
F1		5.0				33.6				34.6				10.9				85		
J1		5.1				32.7				33.6				8.8				90		
K1		5.7				33.1				33.9				10.0				80		
N1	5.7	5.2	109.6	118.8	32.1	32.1	100.0	97.9	32.8	33.0	99.4	97.9	9.9	9.6	103.1	100.0	93	89	104.5	108.1
O1	2.1	2.2	95.4	43.8	32.3	31.8	101.6	98.5	34.3	33.7	101.8	102.4	10.4	10.4	100.0	105.0	82	82	100.0	95.3
S1	5.4	4.5	120.0	112.5	32.6	32.2	101.2	99.4	33.4	33.4	100.0	99.7	9.2	9.0	102.2	92.9	81	82	98.8	94.2
T1		2.9				33.3				33.6				9.3				80		
W1		3.8				33.0				33.2				10.0				89		
Y1	3.7	4.0	92.5	77.1	32.1	32.6	98.5	97.9	33.5	33.9	98.8	100.0	10.4	9.8	106.1	105.0	92	84	109.5	107.0
Z1	4.6	4.5	102.2	95.8	33.2	33.1	100.3	101.2	33.4	33.3	100.3	99.7	9.9	9.3	106.4	100.0	80	82	97.6	93.0
A2		2.9				32.1				33.8				10.2				85		
C2		4.9				33.3				33.4				9.2				86		
E2		5.2				32.8				33.7				11.2				82		
H2		4.9				33.0				34.0				10.4				89		
J2	5.0	5.3	94.3	104.2	32.6	32.8	99.4	99.4	33.6	33.7	99.7	100.3	10.6	10.7	99.1	107.1	81	81	100.0	94.2
K2	6.1	5.5	110.9	127.1	32.9	32.7	100.6	100.3	33.5	33.6	99.7	100.0	8.7	9.6	90.6	87.9	80	82	97.6	93.0
L2	4.4	4.9	89.8	91.7	32.2	32.3	99.7	98.2	33.4	33.3	100.3	99.7	8.7	9.1	95.6	87.9	94	99	94.9	109.3
M2	4.9	4.9	100.0	102.1	33.1	33.2	99.7	100.9	33.2	33.3	99.7	99.1	10.0	10.0	100.0	101.0	84	86	97.7	97.7
O2	6.4	6.0	106.7	133.3	32.9	33.0	99.7	100.3	33.0	33.1	99.7	98.5	9.5	10.0	95.0	96.0	85	82	103.6	98.8
P2	4.7	4.8	97.9	97.9	32.4	32.5	99.7	98.8	33.5	33.6	99.7	100.0	9.9	10.0	99.0	100.0	89	84	106.0	103.5
S2		4.9				32.6				33.6				9.4				88		
T2		5.9				33.8				34.1				10.6				90		
U2	5.4	5.4	100.0	112.5	32.2	32.4	99.4	98.2	33.0	33.2	99.4	98.5	10.3	10.4	99.0	104.0	91	99	91.9	105.8
V2		5.4				32.3				33.2				10.5				91		
Y2		4.9				32.5				33.6				10.0				87		
Z2	5.9	5.6	105.4	122.9	34.5	33.3	103.6	105.2	35.2	34.1	103.2	105.1	10.2	10.1	101.0	103.0	79	79	100.0	91.9
A3	3.2	3.0	106.7	66.7	32.1	32.1	100.0	97.9	33.7	33.8	99.7	100.6	9.4	10.0	94.0	94.9	87	89	97.8	101.2
B3	4.2	4.7	89.4	87.5	33.7	33.5	100.6	102.7	33.8	33.6	100.6	100.9	10.0	10.5	95.2	101.0	84	83	101.2	97.7
C3	5.2	4.2	123.8	108.3	32.6	32.1	101.6	99.4	33.5	33.3	100.6	100.0	9.8	9.7	101.0	99.0	89	88	101.1	103.5
D3	5.7	5.8	98.3	118.8	33.1	33.0	100.3	100.9	33.2	33.2	100.0	99.1					83	87	95.4	96.5
F3		5.8				33.5				34.2				11.2				79		
G3	4.4	4.6	95.6	91.7	32.6	32.6	100.0	99.4	33.8	33.7	100.3	100.9	9.7	9.9	98.0	98.0	87	87	100.0	101.2
H3	4.7			97.9	32.5			99.1	33.6			100.3	10.6			107.1	98			114.0
FKBG DATA																				
CUR.																				
AV.	4.8				32.7				33.5				9.8				86			
CUM.																				
AV.	4.8				32.8				33.5				9.9				86			
IND.																				
*D	100.0				99.7				100.0				99.0				100.0			

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

TABLE V  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD  
AUGUST, 1978

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT					CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA					MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	
A1			3.9				31.8				33.2				9.0				88		
B1			6.0				33.1				33.2				9.1				84		
E1	6.5	6.4	101.6	135.4	33.3	33.0	100.9	101.5	33.4	33.1	100.9	99.7	9.4	9.0	104.4	94.9	84	92	91.3	97.7	
F1			5.0				33.6				34.6				10.9				85		
J1			5.1				32.7				33.6				8.8				90		
K1			5.7				33.1				33.9				10.0				80		
N1	5.6	5.3	105.7	116.7	32.4	32.2	100.6	98.8	33.2	33.0	100.6	99.1	9.9	9.6	103.1	100.0	89	90	98.9	103.5	
O1	2.0	2.2	90.9	41.7	32.4	31.9	101.6	98.8	34.4	33.8	101.8	102.7	11.2	10.4	107.7	113.1	80	82	97.6	93.0	
S1			5.0				32.4				33.4				9.1				82		
T1			2.9				33.3				33.6				9.3				80		
W1			3.8				33.0				33.2				10.0				89		
Y1	3.4	4.0	85.0	70.8	32.0	32.6	98.2	97.6	33.5	33.9	98.8	100.0	10.2	9.8	104.1	103.0	89	85	104.7	103.5	
Z1	4.7	4.5	104.4	97.9	33.0	33.1	99.7	100.6	33.2	33.3	99.7	99.1	9.4	9.3	101.1	94.9	86	82	104.9	100.0	
A2			2.9				32.1				33.8				10.2				85		
C2			4.9				33.3				33.4				9.4				86		
E2			5.2				32.8				33.7				11.2				82		
H2			4.9				33.0				34.0				10.4				89		
J2	5.0	5.2	96.2	104.2	32.7	32.8	99.7	99.7	33.7	33.7	100.0	100.6	10.5	10.7	98.1	106.1	81	81	100.0	94.2	
K2	5.9	5.6	105.4	122.9	32.8	32.7	100.3	100.0	33.5	33.6	99.7	100.0	9.0	9.6	93.8	90.9	80	82	97.6	93.0	
L2	4.6	4.8	95.8	95.8	32.3	32.2	100.3	98.5	33.4	33.3	100.3	99.7	9.2	9.1	101.1	92.9	92	98	93.9	107.0	
M2	4.7	4.9	95.9	97.9	33.2	33.2	100.0	101.2	33.3	33.3	100.0	99.4	10.0	10.0	100.0	101.0	81	87	93.1	94.2	
O2	6.5	6.0	108.3	135.4	32.9	33.0	99.7	100.3	33.0	33.1	99.7	98.5	10.0	9.9	101.0	101.0	81	82	98.8	94.2	
P2			4.8				32.5				33.6				10.0				85		
S2			4.9				32.6				33.6				9.4				88		
T2	6.0	5.9	101.7	125.0	33.7	33.8	99.7	102.7	34.0	34.1	99.7	101.5	10.4	10.6	98.1	105.0	88	90	97.8	102.3	
U2	5.8	5.4	107.4	120.8	32.4	32.3	100.3	98.8	33.1	33.2	99.7	98.8	9.8	10.4	94.2	99.0	92	98	93.9	107.0	
V2	5.9	5.4	109.2	122.9	32.5	32.3	100.6	99.1	33.2	33.2	100.0	99.1	10.6	10.5	101.0	107.1	92	91	101.1	107.0	
Y2			4.9				32.5				33.6				10.0				88		
Z2	5.7	5.6	101.8	118.8	33.9	33.5	101.2	103.4	34.7	34.3	101.2	103.6	9.8	10.2	96.1	99.0	79	80	98.8	91.9	
A3	2.8	3.0	93.3	58.3	31.9	32.1	99.4	97.2	33.6	33.8	99.4	100.3	9.5	9.9	96.0	96.0	90	89	101.1	104.6	
B3	4.7	4.6	102.2	97.9	33.2	33.5	99.1	101.2	33.3	33.6	99.1	99.4	10.3	10.5	98.1	104.0	82	83	98.8	95.3	
C3	4.4	4.3	102.3	91.7	32.1	32.1	100.0	97.9	33.3	33.3	100.0	99.4	9.9	9.7	102.1	100.0	89	88	101.1	103.5	
D3			5.8				33.1				33.2								87		
F3			5.9				33.5				34.2				11.3				79		
G3	4.3	4.6	93.5	89.6	32.8	32.6	100.6	100.0	34.0	33.7	100.9	101.5	9.5	9.9	96.0	96.0	91	87	104.6	105.8	
H3	4.9	4.7	104.2	102.1	32.3	32.5	99.4	98.5	33.3	33.6	99.1	99.4	10.5	10.6	99.0	106.1	99	98	101.0	115.1	
FKBG DATA																					
CUR.																					
AV.	4.9				32.7				33.5				10.0					86			
CUM.																					
AV.	4.8				32.8				33.5				9.9					86			
IND.																					
*D	102.1				99.7				100.0				101.0					100.0			

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

TABLE VI  
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD  
 SEPTEMBER, 1978

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	3.3	4.0	82.5	68.8	31.5	31.8	99.0	96.0	33.0	33.2	99.4	98.5	8.9	9.0	98.9	89.9	112	89	125.8	130.2
B1		6.0				33.1				33.2				9.1				84		
E1		6.4				33.1				33.2				9.1				90		
F1		5.0				33.6				34.6				10.9				85		
J1		5.1				32.7				33.6				8.8				90		
K1		5.7				33.1				33.9				10.0				80		
N1	5.9	5.4	109.2	122.9	32.7	32.2	101.6	99.7	33.4	33.1	100.9	99.7	9.9	9.7	102.1	100.0	89	90	98.9	103.5
O1	2.2	2.2	100.0	45.8	32.2	31.9	100.9	98.2	34.2	33.8	101.2	102.1	10.6	10.5	101.0	107.1	82	82	100.0	95.3
S1		5.0				32.4				33.4				9.1				82		
T1		2.9				33.3				33.6				9.3				80		
W1	3.9	3.8	102.6	81.2	33.1	33.0	100.3	100.9	33.2	33.2	100.0	99.1	9.7	10.0	97.0	98.0	82	90	91.1	95.3
Y1	4.1	4.0	102.5	85.4	32.0	32.5	98.5	97.6	33.3	33.9	98.2	99.4	9.9	9.9	100.0	100.0	91	85	107.0	105.8
Z1	4.4	4.5	97.8	91.7	32.9	33.1	99.4	100.3	33.1	33.3	99.4	98.8	9.5	9.4	101.1	96.0	80	83	96.4	93.0
A2		2.9				32.1				33.8				10.2				85		
C2		5.0				33.3				33.4				9.5				86		
E2		5.2				32.8				33.7				11.2				82		
H2		4.9				33.0				34.0				10.4				89		
J2	5.1	5.2	98.1	106.2	32.8	32.8	100.0	100.0	33.8	33.7	100.3	100.9	10.6	10.7	99.1	107.1	80	81	98.8	93.0
K2	6.0	5.6	107.1	125.0	32.8	32.8	100.0	100.0	33.5	33.6	99.7	100.0	9.8	9.5	103.2	99.0	82	81	101.2	95.3
L2	4.7	4.8	97.9	97.9	32.2	32.2	100.0	98.2	33.3	33.3	100.0	99.4	9.3	9.0	103.3	93.9	92	98	93.9	107.0
M2	4.9	4.9	100.0	102.1	33.1	33.2	99.7	100.9	33.2	33.3	99.7	99.1	10.1	10.0	101.0	102.0	82	86	95.3	95.3
O2	6.4	6.1	104.9	133.3	32.9	33.0	99.7	100.3	33.0	33.1	99.7	98.5	9.5	9.9	96.0	96.0	84	82	102.4	97.7
P2		4.8				32.5				33.6				10.0				84		
S2		4.9				32.6				33.6				9.4				88		
T2	5.6	5.9	94.9	116.7	33.8	33.7	100.3	103.0	34.1	34.0	100.3	101.8	9.8	10.6	92.4	99.0	95	90	105.6	110.5
U2	6.0	5.4	111.1	125.0	32.3	32.3	100.0	98.5	32.9	33.2	99.1	98.2	9.9	10.3	96.1	100.0	91	97	93.8	105.8
V2		5.6				32.4				33.2				10.5				91		
Y2		4.8				32.5				33.5				9.9				90		
Z2	6.0	5.6	107.1	125.0	34.0	33.6	101.2	103.6	34.7	34.4	100.9	103.6	10.1	10.2	99.0	102.0	80	80	100.0	93.0
A3	2.6	2.9	89.6	54.2	31.8	32.1	99.1	97.0	33.6	33.8	99.4	100.3	9.3	9.7	95.9	93.9	96	89	107.9	111.6
B3	4.7	4.6	102.2	97.9	33.4	33.5	99.7	101.8	33.5	33.6	99.7	100.0	10.5	10.5	100.0	106.1	79	83	95.2	91.9
C3	4.8	4.3	111.6	100.0	32.2	32.1	100.3	98.2	33.3	33.3	100.0	99.4	9.8	9.7	101.0	99.0	91	88	103.4	105.8
D3	5.7	5.8	98.3	118.8	32.9	33.1	99.4	100.3	33.0	33.2	99.4	98.5					81	88	92.0	94.2
F3		5.9				33.5				34.2				11.2				79		
G3	4.4	4.6	95.6	91.7	32.7	32.6	100.3	99.7	33.9	33.7	100.6	101.2	9.7	9.9	98.0	98.0	86	87	98.8	100.0
H3	4.5	4.8	93.8	93.8	32.1	32.4	99.1	97.9	33.3	33.4	99.7	99.4	10.5	10.6	99.0	106.1	94	98	95.9	109.3
FKBG DATA																				
CUR.																				
AV.	4.8				32.7				33.5				9.9				87			
CUM.																				
AV.	4.8				32.8				33.5				9.9				86			
IND.																				
*D	100.0				99.7				100.0				100.0				101.2			

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

TABLE VII  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD  
JULY, 1978

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		6.1				37.7				37.8				10.0				91		
N1	5.9	5.6	105.4	115.7	37.4	37.1	100.8	98.9	38.2	38.0	100.5	99.0	11.1	11.4	97.4	100.9	102	98	104.1	105.2
P1	5.5	5.6	98.2	107.8	37.5	37.5	100.0	99.2	38.4	38.4	100.0	99.5	11.3	11.2	100.9	102.7	95	96	99.0	97.9
R1	5.2	4.8	108.3	102.0	37.6	37.4	100.5	99.5	38.7	38.6	100.2	100.2	11.9	10.9	109.2	108.2	95	105	90.5	97.9
U1	4.9	5.0	98.0	96.1	38.1	39.1	97.4	100.8	38.2	39.2	97.4	99.0	10.7	11.3	94.7	97.3	101	97	104.1	104.1
W1		4.1				38.1				38.2				11.3				102		
Y1		4.2				37.3				38.7				10.8				101		
Z1	5.4	4.9	110.2	105.9	38.2	38.1	100.3	101.0	38.4	38.3	100.3	99.5	11.2	10.7	104.7	101.8	96	95	101.0	99.0
C2	5.3	5.7	93.0	103.9	38.8	38.3	101.3	102.6	38.9	38.4	101.3	100.8	10.8	10.6	101.9	98.2	98	99	99.0	101.0
H2		5.0				37.5				38.6				11.6				94		
I2	2.6	3.1	83.9	51.0	39.0	38.2	102.1	103.2	41.2	40.2	102.5	106.7	10.6	10.6	100.0	96.4	106	96	110.4	109.3
J2	5.0	5.3	94.3	98.0	37.6	37.7	99.7	99.5	38.7	38.7	100.0	100.2	11.7	11.6	100.9	106.4	88	91	96.7	90.7
K2	5.6	5.4	103.7	109.8	37.6	37.6	100.0	99.5	38.5	38.6	99.7	99.7	10.2	11.0	92.7	92.7	93	91	102.2	95.9
L2	4.7	5.1	92.2	92.2	37.1	37.2	99.7	98.1	38.4	38.2	100.5	99.5	10.3	10.4	99.0	93.6	103	108	95.4	106.2
M2	5.3	5.0	106.0	103.9	38.3	38.5	99.5	101.3	38.4	38.6	99.5	99.5	11.2	11.3	99.1	101.8	92	97	94.8	94.8
O2	6.6	6.4	103.1	129.4	37.9	38.0	99.7	100.3	38.0	38.1	99.7	98.4	10.9	10.8	100.9	99.1	92	91	101.1	94.8
P2	4.9	4.9	100.0	96.1	37.3	37.4	99.7	98.7	38.5	38.5	100.0	99.7	11.4	11.3	100.9	103.6	94	93	101.1	96.9
R2	3.5	4.4	79.5	68.6	37.4	37.7	99.2	98.9	39.2	39.1	100.2	101.6	9.8	10.1	97.0	89.1	94	92	102.2	96.9
S2	5.3	5.0	106.0	103.9	37.7	37.6	100.3	99.7	38.7	38.7	100.0	100.2	10.6	10.6	100.0	96.4	99	96	103.1	102.1
T2	5.6	5.8	96.6	109.8	39.0	38.6	101.0	103.2	39.4	39.0	101.0	102.1	11.2	11.2	100.0	101.8	106	97	109.3	109.3
V2	5.1	6.4	79.7	100.0	37.8	37.5	100.8	100.0	38.9	38.0	102.4	100.8	12.1	11.6	104.3	110.0	94	100	94.0	96.9
W2	5.4	5.6	96.4	105.9	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.2	11.4	12.1	94.2	103.6	104	100	104.0	107.2
Y2		4.8				37.3				38.5				11.0				97		
A3	2.9	3.1	93.5	56.9	35.8	36.8	97.3	94.7	37.7	38.6	97.7	97.7	10.3	11.1	92.8	93.6	104	100	104.0	107.2
B3	4.8	5.5	87.3	94.1	38.5	38.6	99.7	101.8	38.6	38.7	99.7	100.0	11.3	11.2	100.9	102.7	94	95	98.9	96.9
C3	5.0	4.4	113.6	98.0	37.3	36.9	101.1	98.7	38.4	38.3	100.3	99.5	11.1	11.1	100.0	100.9	99	98	101.0	102.1
D3	5.7	5.8	98.3	111.8	38.0	38.3	99.2	100.5	38.1	38.4	99.2	98.7					93	95	97.9	95.9
G3	4.5	4.9	91.8	88.2	37.8	37.6	100.5	100.0	39.2	38.8	101.0	101.6	11.2	11.2	100.0	101.8	103	99	104.0	106.2
H3		6.1		119.6		37.8		100.0		38.5		99.7	11.2			101.8	109			112.4
FKBG DATA																				
CUR.																				
AV.	5.0				37.8				38.6				11.0				98			
CUM.																				
AV.	5.1				37.8				38.6				11.0				97			
IND.																				
*D	98.0				100.0				100.0				100.0				101.0			

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

TABLE VIII  
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD  
 AUGUST, 1978

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		6.1				37.7				37.8				10.0				91			
N1	5.7	5.6	101.8	114.0	37.3	37.1	100.5	98.7	38.2	38.0	100.5	99.0	11.2	11.3	99.1	101.8	101	99	102.0	104.1	
P1	5.5	5.6	98.2	110.0	37.6	37.5	100.3	99.5	38.5	38.4	100.3	99.7	11.8	11.3	104.4	107.3	94	96	97.9	96.9	
R1	5.7	4.9	116.3	114.0	37.7	37.4	100.8	99.7	38.6	38.6	100.0	100.0	11.3	11.0	102.7	102.7	100	104	96.2	103.1	
U1	5.0	5.0	100.0	100.0	38.7	38.8	99.7	102.4	38.8	39.0	99.5	100.5	10.2	11.1	91.9	92.7	104	98	106.1	107.2	
W1		4.1				38.1				38.2				11.3				102			
Y1		4.2				37.2				38.7				10.7				102			
Z1	5.0	5.0	100.0	100.0	38.0	38.1	99.7	100.5	38.2	38.3	99.7	99.0	10.6	10.7	99.1	96.4	94	95	98.9	96.9	
C2	5.9	5.6	105.4	118.0	38.6	38.4	100.5	102.1	38.7	38.5	100.5	100.2	10.5	10.6	99.0	95.4	103	99	104.0	106.2	
H2		5.0				37.5				38.6				11.6				94			
I2	2.9	3.0	96.7	58.0	38.2	38.3	99.7	101.0	40.2	40.3	99.8	104.1	10.7	10.6	100.9	97.3	98	97	101.0	101.0	
J2		5.2				37.7				38.8				11.6				90			
K2	5.7	5.4	105.6	114.0	37.5	37.6	99.7	99.2	38.4	38.6	99.5	99.5	10.8	10.9	99.1	98.2	92	92	100.0	94.8	
L2	4.9	5.1	96.1	98.0	37.1	37.2	99.7	98.1	38.3	38.2	100.3	99.2	10.4	10.4	100.0	94.5	99	107	92.5	102.1	
M2	5.1	5.1	100.0	102.0	38.1	38.5	99.0	100.8	38.2	38.6	99.0	99.0	11.2	11.3	99.1	101.8	94	96	97.9	96.9	
O2	6.9	6.5	106.2	138.0	37.9	38.0	99.7	100.3	38.0	38.1	99.7	98.4	10.6	10.8	98.1	96.4	92	91	101.1	94.8	
P2		5.0				37.4				38.5				11.3				93			
R2	3.7	4.3	86.0	74.0	38.0	37.6	101.1	100.5	39.7	39.1	101.5	102.8	10.1	10.0	101.0	91.8	91	92	98.9	93.8	
S2	5.2	5.1	102.0	104.0	37.7	37.6	100.3	99.7	38.8	38.7	100.2	100.5	10.8	10.6	101.9	98.2	93	97	95.9	95.9	
T2	5.6	5.8	96.6	112.0	39.0	38.7	100.8	103.2	39.4	39.0	101.0	102.1	10.8	11.3	95.6	98.2	100	98	102.0	103.1	
V2		6.0				37.6				38.3				11.7				98			
W2	5.2	5.6	92.8	104.0	38.0	38.2	99.5	100.5	38.1	38.3	99.5	98.7	11.8	12.0	98.3	107.3	106	101	105.0	109.3	
Y2		4.8				37.3				38.5				11.0				97			
A3	2.7	3.0	90.0	54.0	36.8	36.6	100.5	97.4	38.8	38.5	100.8	100.5	10.4	10.9	95.4	94.5	101	101	100.0	104.1	
B3	5.9	5.5	107.3	118.0	38.0	38.6	98.4	100.5	38.1	38.7	98.4	98.7	11.3	11.2	100.9	102.7	94	95	98.9	96.9	
C3	4.8	4.4	109.1	96.0	37.2	37.0	100.5	98.4	38.4	38.3	100.3	99.5	11.2	11.1	100.9	101.8	97	98	99.0	100.0	
D3	5.7	5.7	100.0	114.0	38.1	38.3	99.5	100.8	38.2	38.4	99.5	99.0					95	94	101.1	97.9	
G3	5.2	4.9	106.1	104.0	37.5	37.6	99.7	99.2	38.6	38.8	99.5	100.0	11.2	11.2	100.0	101.8	98	99	99.0	101.0	
H3	6.1	6.1	100.0	122.0	37.7	37.8	99.7	99.7	38.4	38.5	99.7	99.5	11.1	11.2	99.1	100.9	111	109	101.8	114.4	
FKBG DATA																					
CUR.																					
AV.	5.2					37.8				38.6				10.9				98			
CUM.																					
AV.	5.0					37.8				38.6				11.0				97			
IND.																					
*D	104.0					100.0				100.0				99.1				101.0			

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

TABLE IX  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD  
SEPTEMBER, 1978

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.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.
AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	
B1		6.1				37.7				37.8				10.0				91		
N1		5.6				37.2				38.0				11.3				99		
P1	5.6	5.6	100.0	109.8	37.4	37.5	99.7	98.9	38.3	38.4	99.7	99.2	10.8	11.3	95.6	98.2	95	96	99.0	97.9
R1	5.9	5.0	118.0	115.7	37.6	37.5	100.3	99.5	38.4	38.6	99.5	99.5	11.5	11.1	103.6	104.5	96	103	93.2	99.0
U1		5.0				38.8				38.9				11.0				98		
W1	5.4	4.1	131.7	105.9	38.0	38.1	99.7	100.5	38.1	38.2	99.7	98.7	11.2	11.3	99.1	101.8	105	102	102.9	108.2
Y1	4.0	4.1	97.6	78.4	37.1	37.2	99.7	98.1	38.6	38.7	99.7	100.0	11.7	10.7	109.3	106.4	98	103	95.1	101.0
Z1	4.8	5.0	96.0	94.1	38.0	38.1	99.7	100.5	38.2	38.3	99.7	99.0	10.8	10.7	100.9	98.2	94	95	98.9	96.9
C2	6.1	5.7	107.0	119.6	38.3	38.4	99.7	101.3	38.4	38.5	99.7	99.5	10.2	10.6	96.2	92.7	100	99	101.0	103.1
H2	5.2	5.0	104.0	102.0	37.9	37.5	101.1	100.3	39.0	38.6	101.0	101.0	11.7	11.6	100.9	106.4	98	94	104.2	101.0
I2		3.0				36.4				40.4				10.6				97		
J2	5.0	5.2	96.2	98.0	37.5	37.7	99.5	99.2	38.6	38.8	99.5	100.0	11.2	11.6	96.6	101.8	87	91	95.6	89.7
K2	6.1	5.5	110.9	119.6	37.8	37.6	100.5	100.0	38.5	38.5	100.0	99.7	10.8	10.9	99.1	98.2	93	92	101.1	95.9
L2	4.8	5.0	96.0	94.1	36.7	37.2	98.6	97.1	37.9	38.2	99.2	98.2	10.5	10.4	101.0	95.4	101	106	95.3	104.1
M2	5.0	5.1	98.0	98.0	38.2	38.5	99.2	101.0	38.3	38.6	99.2	99.2	11.3	11.3	100.0	102.7	94	97	96.9	96.9
O2	6.6	6.5	101.5	129.4	37.8	38.0	99.5	100.0	37.9	38.1	99.5	98.2	10.5	10.8	97.2	95.4	91	91	100.0	93.8
P2		5.0				37.4				38.5				11.3				93		
R2		4.0				37.7				39.2				9.9				92		
S2	4.9	5.1	96.1	96.1	37.1	37.6	98.7	98.1	38.3	38.7	99.0	99.2	10.6	10.7	99.1	96.4	93	96	96.9	95.9
T2	5.7	5.7	100.0	111.8	38.7	38.8	99.7	102.4	39.0	39.1	99.7	101.0	10.9	11.2	97.3	99.1	97	98	99.0	100.0
V2		6.0				37.6				38.3				11.7				98		
W2		5.5				38.2				38.3				12.0				101		
Y2		4.8				37.3				38.5				11.0				97		
A3		2.9				36.6				38.6				10.8				101		
B3	4.8	5.5	87.3	94.1	37.4	38.5	97.1	98.9	37.5	38.6	97.2	97.2	11.1	11.2	99.1	100.9	94	95	98.9	96.9
C3	4.9	4.5	108.9	96.1	37.1	37.0	100.3	98.1	38.3	38.4	99.7	99.2	11.4	11.1	102.7	103.6	97	98	99.0	100.0
D3	5.6	5.7	98.2	109.8	38.0	38.3	99.2	100.5	38.1	38.4	99.2	98.7					92	94	97.9	94.8
G3	4.8	4.9	98.0	94.1	37.5	37.6	99.7	99.2	38.7	38.8	99.7	100.2	11.3	11.2	100.9	102.7	97	99	98.0	100.0
H3	6.0	6.1	98.4	117.6	37.5	37.8	99.2	99.2	38.2	38.4	99.5	99.0	11.1	11.2	99.1	100.9	101	110	91.8	104.1
FKBG DATA																				
CUR.																				
AV.	5.3					37.7				38.3				11.0				96		
CUM.																				
AV.	5.1					37.8				38.6				11.0				97		
IND.																				
*D	103.9					99.7				99.2				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 42 LB FOURDRINIER KRAFT LINERBOARD  
 JULY, 1978

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M 50 FT				ADJ. BASIS WT.,*A LB / M 50 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	5.2	5.1	102.0	100.0	41.2	41.0	100.5	99.0	42.4	42.2	100.5	99.8	12.0	11.2	107.1	99.2	103	104	99.0	98.1
B1		6.2				42.0				42.1					11.5		103			
C1		5.8				42.8				43.2					12.3		106			
D1	6.7	5.8	115.5	128.8	42.3	41.7	101.4	101.7	42.8	42.6	100.5	100.7	11.9	11.9	100.0	98.3	106	108	98.1	101.0
F1	5.0	5.4	92.6	96.2	41.9	42.0	99.8	100.7	43.2	43.2	100.0	101.6	13.1	13.1	100.0	108.3	98	98	100.0	93.3
H1	3.9	3.1	125.8	75.0	41.5	41.1	101.0	99.8	43.2	43.2	100.0	101.6	12.6	12.1	104.1	104.1	107	107	100.0	101.9
I1	5.5	4.7	117.0	105.8	42.0	41.6	101.0	101.0	43.0	43.0	100.0	101.2	12.0	12.2	98.4	99.2	99	100	99.0	94.3
J1		5.6				41.7				42.7					11.6		104			
N1	6.2	5.6	110.7	119.2	41.1	40.9	100.5	98.8	41.8	41.9	99.8	98.4	12.1	11.8	102.5	100.0	108	108	100.0	102.8
O1	5.5	5.5	100.0	105.8	41.5	41.5	100.0	99.8	42.5	42.5	100.0	100.0	12.9	13.1	98.5	106.6	103	103	100.0	98.1
P1	5.5	5.6	98.2	105.8	41.1	41.3	99.5	98.8	42.1	42.3	99.5	99.0	12.9	12.6	102.4	106.6	104	104	100.0	99.0
Q1	5.3	5.2	101.9	101.9	42.1	42.2	99.8	101.2	42.2	42.3	99.8	99.3	11.3	11.6	97.4	93.4	105	103	101.9	100.0
R1	5.4	4.8	112.5	103.8	41.6	41.4	100.5	100.0	42.7	42.7	100.0	100.5	12.7	11.9	106.7	105.0	107	111	96.4	101.9
T1		3.6				42.4				42.8					12.2		101			
U1	5.1	5.1	100.0	98.1	42.0	42.3	99.3	101.0	42.1	42.4	99.3	99.0	12.1	12.1	100.0	100.0	108	104	103.8	102.8
V1	7.0	7.1	98.6	134.6	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.0	11.9	11.7	101.7	98.3	101	101	100.0	96.2
W1		4.1				42.2				42.3					12.7		106			
X1	5.6	5.7	98.2	107.7	41.5	41.3	100.5	99.8	41.5	42.0	98.8	97.6	11.2	11.5	97.4	92.6	105	103	101.9	100.0
Y1	4.5	4.6	97.8	86.5	41.2	41.3	99.8	99.0	42.7	42.8	99.8	100.5	11.7	12.1	96.7	96.7	112	109	102.8	106.7
Z1	5.3	5.2	101.9	101.9	42.2	42.0	100.5	101.4	42.4	42.2	100.5	99.8	12.0	11.8	101.7	99.2	106	105	101.0	101.0
A2	5.4	5.6	96.4	103.8	41.4	41.5	99.8	99.5	42.5	42.5	100.0	100.0	12.1	12.4	97.6	100.0	104	105	99.0	99.0
B2	5.4	5.2	103.8	103.8	41.1	41.3	99.5	98.8	42.2	42.4	99.5	99.3	11.6	12.2	95.1	95.9	112	114	98.2	106.7
C2	6.0	6.1	98.4	115.4	42.2	42.1	100.2	101.4	42.3	42.2	100.2	99.5	12.4	12.0	103.3	102.5	106	107	99.1	101.0
D2		6.4				42.0				42.1					11.2		103			
F2	5.3	5.4	98.1	101.9	41.8	41.7	100.2	100.5	42.9	42.8	100.2	100.9	11.1	11.8	94.1	91.7	105	106	99.0	100.0
I2	3.6	3.4	105.9	69.2	40.6	40.8	99.5	97.6	42.5	42.8	99.3	100.0	11.0	11.2	98.2	90.9	104	104	100.0	99.0
J2	5.0	5.4	92.6	96.2	41.4	41.6	99.5	99.5	42.6	42.7	99.8	100.2	12.8	13.0	98.5	105.8	98	99	99.0	93.3
K2		4.9				41.4				42.7					12.0		104			
L2	4.8	5.1	94.1	92.3	41.1	41.2	99.8	98.8	42.5	42.4	100.2	100.0	11.5	11.6	99.1	95.0	109	114	95.6	103.8
M2	5.2	5.1	102.0	100.0	42.4	42.2	100.5	101.9	42.5	42.3	100.5	100.0	12.3	12.5	98.4	101.6	102	106	96.2	97.1
N2	5.5	5.4	101.8	105.8	41.2	41.4	99.5	99.0	42.2	42.5	99.3	99.3	11.9	11.9	100.0	98.3	102	104	98.1	97.1
O2		6.7				42.0				42.0					11.7		103			
P2	4.9	5.0	98.0	94.2	41.2	41.2	100.0	99.0	42.5	42.4	100.2	100.0	12.4	12.5	99.2	102.5	102	102	100.0	97.1
Q2		6.4				41.3				41.9					11.4		106			
R2	5.2	5.1	102.0	100.0	41.5	41.4	100.2	99.8	42.7	42.7	100.0	100.5	11.0	11.5	95.6	90.9	100	101	99.0	95.2
S2	5.6	5.4	103.7	107.7	41.0	41.3	99.3	98.6	42.0	42.4	99.0	98.8	11.7	11.5	101.7	96.7	102	102	100.0	97.1
T2	5.7	5.9	96.6	109.6	42.6	42.6	100.0	102.4	43.0	43.0	100.0	101.2	12.0	11.9	100.8	99.2	109	108	100.9	103.8
U2	5.7	5.6	101.8	109.6	41.1	41.3	99.5	98.8	42.0	42.2	99.5	98.8	12.5	12.6	99.2	103.3	105	111	94.6	100.0
V2		5.5				41.0				42.0					12.6		109			
W2	5.4	5.5	98.2	103.8	42.2	42.1	100.2	101.4	42.3	42.2	100.2	99.5	12.2	12.8	95.3	100.8	111	105	105.7	105.7
X2	4.5	4.2	107.1	86.5	42.1	42.1	100.0	101.2	42.3	42.3	100.0	99.5	11.9	11.3	105.3	98.3	109	107	101.9	103.8
Y2		5.3				41.6				42.7					12.4		105			
A3	4.0	3.6	111.1	76.9	41.0	41.0	100.0	98.6	42.7	42.9	99.5	100.5	11.3	12.4	91.1	93.4	119	112	106.2	113.3
B3	5.0	5.5	90.9	96.2	42.4	42.2	100.5	101.9	42.5	42.3	100.5	100.0	12.1	12.2	99.2	100.0	103	104	99.0	98.1
C3	5.3	4.5	117.8	101.9	41.1	41.0	100.2	98.8	42.2	42.5	99.3	99.3	12.2	12.2	100.0	100.8	106	105	101.0	101.0
D3	5.7	5.8	98.3	109.6	42.0	42.0	100.0	101.0	42.1	42.2	99.8	99.0					100	102	98.0	95.2
E3	5.2	4.8	108.3	100.0	41.1	41.0	100.2	98.8	42.3	42.3	100.0	99.5	11.0	11.2	98.2	90.9	106	104	101.9	101.0
F3		6.1				43.2				44.0					13.9		99			
G3	5.0	5.2	96.2	96.2	41.5	41.6	99.8	99.8	42.7	42.7	100.0	100.5	12.1	12.4	97.6	100.0	110	107	102.8	104.8
H3	6.8			130.8	41.9			100.7	42.4			99.8	12.4			102.5	117			111.4
FKBG DATA																				
CUR.																				
AV.	5.3				41.6				42.4				12.0				106			
CUM.																				
AV.	5.2				41.6				42.5				12.1				105			
IND.																				
*D	101.9				100.0				99.8				99.2				101.0			

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

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

AUGUST, 1978

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.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.	CUR.	CUM.	FACT.	IND.
A1	4.9	5.2	92.3	92.3	40.8	41.0	99.5	98.1	42.1	42.2	99.8	99.0	11.9	11.3	105.3	98.3	107	104	102.9	101.9
B1		6.2					42.0			42.1					11.5			103		
C1		5.8					42.8			43.2					12.4			106		
D1		5.9					41.8			42.7					11.9			108		
F1	5.0	5.3	94.3	96.2	41.9	42.0	99.8	100.7	43.2	43.2	100.0	101.6	12.9	13.1	98.5	106.6	98	98	100.0	93.3
H1	3.1	3.2	96.9	59.6	41.3	41.1	100.5	99.3	43.4	43.2	100.5	102.1	12.0	12.2	98.4	99.2	108	107	100.9	102.8
I1	5.8	4.8	120.8	111.5	42.0	41.7	100.7	101.0	42.9	43.0	99.8	100.9	12.0	12.2	98.4	99.2	99	100	99.0	94.3
J1		5.6					41.7			42.7					11.7			104		
N1	6.1	5.7	107.0	117.3	41.4	41.0	101.0	99.5	42.1	41.9	100.5	99.0	12.3	11.8	104.2	101.6	108	108	100.0	102.8
O1	5.6	5.5	101.8	107.7	41.6	41.5	100.2	100.0	42.6	42.5	100.2	100.2	13.1	13.1	100.0	108.3	102	103	99.0	97.1
P1	5.5	5.6	98.2	105.8	41.4	41.3	100.2	99.5	42.4	42.3	100.2	99.8	12.7	12.7	100.0	105.0	102	104	98.1	97.1
Q1	5.5	5.2	105.8	105.8	42.2	42.2	100.0	101.4	42.3	42.3	100.0	99.5	11.1	11.6	95.7	91.7	105	104	101.0	100.0
R1	5.8	4.9	118.4	111.5	41.7	41.4	100.7	100.2	42.6	42.7	99.8	100.2	12.6	12.0	105.0	104.1	106	111	95.5	101.0
T1		3.6					42.4			42.8					12.2			101		
U1	5.0	5.1	98.0	96.2	42.0	42.2	99.5	101.0	42.1	42.4	99.3	99.0	11.5	12.1	95.0	95.0	112	104	107.7	106.7
V1	7.3	7.1	102.8	140.4	41.9	42.0	99.8	100.7	42.0	42.1	99.8	98.8	11.9	11.7	101.7	98.3	100	101	99.0	95.2
W1		4.1					42.2			42.4					12.7			106		
X1		5.6					41.4			42.0					11.5			103		
Y1	4.3	4.6	93.5	82.7	41.1	41.3	99.5	98.8	42.7	42.8	99.8	100.5	12.8	12.0	106.7	105.8	108	110	98.2	102.8
Z1	5.4	5.2	103.8	103.8	42.2	42.0	100.5	101.4	42.4	42.2	100.5	99.8	12.1	11.8	102.5	100.0	106	105	101.0	101.0
A2	5.8	5.6	103.6	111.5	41.6	41.5	100.2	100.0	42.5	42.5	100.0	100.0	12.5	12.3	101.6	103.3	106	104	101.9	101.0
B2	5.1	5.3	96.2	98.1	41.1	41.2	99.8	98.8	42.3	42.4	99.8	99.5	12.2	12.2	100.0	100.8	116	114	101.8	110.5
C2	6.1	6.1	100.0	117.3	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.3	11.8	12.0	98.3	97.5	108	107	100.9	102.8
D2		6.4					42.0			42.1					11.2			103		
F2	5.5	5.4	101.8	105.8	41.6	41.7	99.8	100.0	42.6	42.8	99.5	100.2	11.5	11.6	99.1	95.0	104	106	98.1	99.0
I2	3.1	3.4	91.2	59.6	40.8	40.8	100.0	98.1	42.9	42.7	100.5	100.9	11.1	11.2	99.1	91.7	102	104	98.1	97.1
J2	5.0	5.3	94.3	96.2	41.4	41.6	99.5	99.5	42.6	42.7	99.8	100.2	12.7	12.9	98.4	105.0	98	99	99.0	93.3
K2		4.9					41.4			42.7					12.0			104		
L2	4.9	5.1	96.1	94.2	40.9	41.2	99.3	98.3	42.2	42.4	99.5	99.3	11.6	11.6	100.0	95.9	112	114	98.2	106.7
M2	5.3	5.1	103.9	101.9	42.1	42.2	99.8	101.2	42.2	42.3	99.8	99.3	12.3	12.5	98.4	101.6	103	105	98.1	98.1
N2	5.2	5.4	96.3	100.0	41.2	41.4	99.5	99.0	42.4	42.4	100.0	99.8	12.0	11.9	100.8	99.2	101	104	97.1	96.2
O2		6.7					42.0			42.0					11.7			103		
P2		5.0					41.2			42.4					12.4			102		
Q2		6.4					41.3			41.9					11.4			106		
R2	4.9	5.1	96.1	94.2	41.7	41.4	100.7	100.2	43.0	42.7	100.7	101.2	11.1	11.4	97.4	91.7	101	101	100.0	96.2
S2	5.4	5.4	100.0	103.8	41.1	41.2	99.8	98.8	42.2	42.3	99.8	99.3	11.8	11.6	101.7	97.5	103	102	101.0	98.1
T2	5.7	5.9	96.6	109.6	42.6	42.6	100.0	102.4	43.0	43.0	100.0	101.2	11.9	12.0	99.2	98.3	110	108	101.8	104.8
U2	6.3	5.7	110.5	121.2	41.4	41.3	100.2	99.5	42.1	42.2	99.8	99.0	12.5	12.6	99.2	103.3	105	110	95.4	100.0
V2	5.9	5.5	107.3	113.5	41.4	41.0	101.0	99.5	42.3	42.1	100.5	99.5	13.5	12.7	106.3	111.6	113	109	103.7	107.6
W2	5.5	5.5	100.0	105.8	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.3	12.3	12.8	96.1	101.6	110	106	103.8	104.8
X2	4.2	4.3	97.7	80.8	42.0	42.1	99.8	101.0	42.2	42.3	99.8	99.3	11.6	11.4	101.8	95.9	107	108	99.1	101.9
Y2		5.2					41.6			42.7					12.4			106		
A3	3.8	3.7	102.7	73.1	41.0	41.0	100.0	98.6	42.8	42.8	100.0	100.7	10.3	12.2	84.4	85.1	114	113	100.9	108.6
B3	5.8	5.5	105.4	111.5	42.2	42.2	100.0	101.4	42.3	42.3	100.0	99.5	12.1	12.2	99.2	100.0	103	104	99.0	98.1
C3	5.2	4.5	115.6	100.0	41.3	41.0	100.7	99.3	42.5	42.5	100.0	100.0	12.4	12.2	101.6	102.5	107	106	100.9	101.9
D3	5.6	5.8	96.6	107.7	42.0	42.0	100.0	101.0	42.1	42.2	99.8	99.0					102	102	100.0	97.1
E3	5.2	4.8	108.3	100.0	41.0	41.0	100.0	98.6	42.1	42.3	99.5	99.0	11.2	11.2	100.0	92.6	104	104	100.0	99.0
F3		6.1					43.3			44.1					14.0			99		
G3	5.4	5.2	103.8	103.8	41.4	41.6	99.5	99.5	42.5	42.7	99.5	100.0	12.3	12.4	99.2	101.6	107	107	100.0	101.9
H3	6.8	6.8	100.0	130.8	41.7	41.9	99.5	100.2	42.2	42.4	99.5	99.3	12.2	12.4	98.4	100.8	119	117	101.7	113.3
FKBG DATA																				
CUR.																				
AV.	5.3				41.6				42.4				12.0				106			
CUM.																				
AV.	5.2				41.6				42.5				12.1				105			
IND.																				
*D	101.9				100.0				99.8				99.2				101.0			

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

TABLE XII  
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD  
 SEPTEMBER, 1978

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			
	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C	AV.	AV.	*B	*C
A1	5.0	5.2	96.2	96.2	40.9	41.0	99.8	98.3	42.1	42.2	99.8	99.0	11.8	11.4	103.5	97.5	116	104	111.5	110.5
B1		6.2				42.0				42.1				11.5				103		
C1		5.8				42.7				43.1				12.4				106		
D1	6.3	5.9	106.8	121.2	41.6	41.8	99.5	100.0	42.3	42.7	99.1	99.5	12.0	11.9	100.8	99.2	106	108	98.1	101.0
F1	5.0	5.2	96.2	96.2	42.0	42.0	100.0	101.0	43.3	43.2	100.2	101.9	12.7	13.1	96.9	105.0	98	98	100.0	93.3
H1	3.0	3.2	93.8	57.7	41.2	41.2	100.0	99.0	43.3	43.2	100.2	101.9	12.3	12.2	100.8	101.6	109	107	101.9	103.8
I1	5.5	4.9	112.2	105.8	41.8	41.7	100.2	100.5	42.8	43.0	99.5	100.7	12.2	12.2	100.0	100.8	100	100	100.0	95.2
J1		5.6				41.7				42.8				11.8				104		
N1	6.4	5.8	110.3	123.1	41.4	41.1	100.7	99.5	42.0	42.0	100.0	98.8	12.3	11.9	103.4	101.6	110	108	101.8	104.8
O1	5.5	5.5	100.0	105.8	41.5	41.5	100.0	99.8	42.5	42.5	100.0	100.0	13.2	13.1	100.8	109.1	101	103	98.0	96.2
P1	5.7	5.6	101.8	109.6	41.2	41.2	100.0	99.0	42.1	42.2	99.8	99.0	12.2	12.7	96.1	100.8	102	104	98.1	97.1
Q1	5.3	5.2	101.9	101.9	43.8	42.2	103.8	105.3	43.9	42.3	103.8	103.3	11.6	11.5	100.9	95.9	104	104	100.0	99.0
R1	5.8	5.0	116.0	111.5	41.6	41.4	100.5	100.0	42.5	42.7	99.5	100.0	13.1	12.1	108.3	108.3	108	110	98.2	102.8
T1		3.6				42.4				42.8				12.2				101		
U1	4.5	5.1	88.2	86.5	42.1	42.2	99.8	101.2	42.2	42.3	99.8	99.3	12.1	12.0	100.8	100.0	108	105	102.8	102.8
V1	7.3	7.1	102.8	140.4	41.9	42.0	99.8	100.7	42.0	42.1	99.8	98.8	12.1	11.7	103.4	100.0	100	100	100.0	95.2
W1	5.6	4.1	136.6	107.7	42.2	42.2	100.0	101.4	42.3	42.4	99.8	99.5	12.4	12.8	96.9	102.5	109	106	102.8	103.8
X1		5.5				41.4				42.1				11.5				103		
Y1	4.4	4.5	97.8	84.6	41.0	41.3	99.3	98.6	42.5	42.8	99.3	100.0	12.3	12.1	101.6	101.6	113	110	102.7	107.6
Z1	5.0	5.3	94.3	96.2	42.0	42.0	100.0	101.0	42.2	42.2	100.0	99.3	12.2	11.8	103.4	100.8	106	105	101.0	101.0
A2	5.7	5.7	100.0	109.6	41.5	41.5	100.0	99.8	42.5	42.5	100.0	100.0	12.8	12.3	104.1	105.8	104	104	100.0	99.0
B2	5.4	5.3	101.9	103.8	41.2	41.2	100.0	99.0	42.3	42.4	99.8	99.5	12.7	12.2	104.1	105.0	115	114	100.9	109.5
C2	6.0	6.1	98.4	115.4	42.2	42.1	100.2	101.4	42.3	42.2	100.2	99.5	12.0	12.0	100.0	99.2	104	107	97.2	99.0
D2		6.4				42.0				42.1				11.2				103		
F2	5.2	5.4	96.3	100.0	41.7	41.7	100.0	100.2	42.9	42.8	100.2	100.9	11.5	11.6	99.1	95.0	106	106	100.0	101.0
I2	3.7	3.4	108.8	71.2	40.8	40.8	100.0	98.1	42.6	42.7	99.8	100.2	11.2	11.2	100.0	92.6	103	103	100.0	98.1
J2	5.0	5.2	96.2	96.2	41.4	41.6	99.5	99.5	42.6	42.7	99.8	100.2	12.8	12.9	99.2	105.8	98	99	99.0	93.3
K2		4.8				41.4				42.7				12.1				104		
L2	4.7	5.0	94.0	90.4	40.9	41.2	99.3	98.3	42.3	42.4	99.8	99.5	11.6	11.6	100.0	95.9	110	114	96.5	104.8
M2	5.3	5.2	101.9	101.9	42.1	42.2	99.8	101.2	42.2	42.3	99.8	99.3	12.5	12.4	100.8	103.3	103	105	98.1	98.1
N2	5.5	5.4	101.8	105.8	41.8	41.3	101.2	100.5	42.8	42.4	100.9	100.7	12.0	11.9	100.8	99.2	103	103	100.0	98.1
O2		6.7				42.0				42.0				11.7				103		
P2		5.0				41.2				42.4				12.4				102		
Q2		6.4				41.3				41.9				11.4				106		
R2	4.9	5.0	98.0	94.2	41.6	41.4	100.5	100.0	42.9	42.7	100.5	100.9	11.0	11.4	96.5	90.9	100	101	99.0	95.2
S2	5.7	5.4	105.6	109.6	41.3	41.2	100.2	99.3	42.2	42.3	99.8	99.3	11.8	11.6	101.7	97.5	101	102	99.0	96.2
T2	5.8	5.9	98.3	111.5	42.6	42.6	100.0	102.4	43.0	43.0	100.0	101.2	12.0	12.0	100.0	99.2	108	108	100.0	102.8
U2	6.3	5.7	110.5	121.2	41.4	41.3	100.2	99.5	42.1	42.2	99.8	99.0	12.1	12.6	96.0	100.0	107	110	97.3	101.9
V2		5.6				41.1				42.1				12.8				109		
W2	5.5	5.5	100.0	105.8	42.0	42.1	99.8	101.0	42.1	42.2	99.8	99.0	12.5	12.7	98.4	103.3	107	106	100.9	101.9
X2	4.3	4.3	100.0	82.7	42.2	42.1	100.2	101.4	42.4	42.3	100.2	99.8	11.7	11.4	102.6	96.7	106	108	98.1	101.0
Y2		5.2				41.5				42.7				12.4				106		
A3	4.0	3.8	105.3	76.9	41.1	41.0	100.2	98.8	42.8	42.8	100.0	100.7	11.7	12.0	97.5	96.7	121	113	107.1	115.2
B3	5.7	5.5	103.6	109.6	42.4	42.2	100.5	101.9	42.5	42.3	100.5	100.0	12.0	12.2	98.4	99.2	103	104	99.0	98.1
C3	4.9	4.6	106.5	94.2	40.9	41.0	99.8	98.3	42.2	42.5	99.3	99.3	12.3	12.2	100.8	101.6	104	106	98.1	99.0
D3	5.7	5.8	98.3	109.6	41.7	42.0	99.3	100.2	41.8	42.2	99.0	98.4					101	102	99.0	96.2
E3	5.1	4.9	104.1	98.1	41.0	41.0	100.0	98.6	42.2	42.3	99.8	99.3	11.1	11.2	99.1	91.7	103	104	99.0	98.1
F3		6.1				43.3				44.0				14.0				99		
G3	5.1	5.2	98.1	98.1	41.6	41.5	100.2	100.0	42.8	42.7	100.2	100.7	12.5	12.4	100.8	103.3	107	107	100.0	101.9
H3	6.7	6.8	98.5	128.8	41.8	41.8	100.0	100.5	42.3	42.3	100.0	99.5	12.6	12.3	102.4	104.1	111	118	94.1	105.7
FK&G DATA																				
CUR.																				
AV.	5.3				41.6				42.5				12.1				106			
CUM.																				
AV.	5.2				41.6				42.5				12.1				105			
IND.																				
*D	101.9				100.0				100.0				100.0				101.0			

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

TABLE XIII  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD  
JULY, 1978

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.5	4.9	112.2	93.2	67.6	67.2	100.6	98.7	69.3	69.3	100.0	99.6	19.4	18.9	102.6	98.5	136	138	98.6	96.4
C1	6.1	6.3	96.8	103.4	69.9	69.9	100.0	102.0	70.5	70.5	100.0	101.3	20.3	20.8	97.6	103.0	143	142	100.7	101.4
D1	5.6	6.1	91.8	94.9	58.8	69.1	99.6	100.4	70.5	70.3	100.3	101.3	19.3	19.7	98.0	98.0	137	144	95.1	97.2
F1	6.5	6.6	98.5	110.2	69.4	69.6	99.7	101.3	70.4	70.5	99.8	101.1	22.5	22.2	101.4	114.2	134	136	98.5	95.0
G1	5.5	5.5	100.0	93.2	68.0	68.0	100.0	99.3	69.7	69.7	100.0	100.1	18.5	18.9	97.9	93.9	148	144	102.8	105.0
H1	4.1	3.6	113.9	69.5	68.1	67.6	100.7	99.4	70.8	70.7	100.1	101.7	20.9	19.8	105.6	106.1	155	142	109.2	109.9
I1	6.9	5.9	116.9	116.9	68.2	68.4	99.7	99.6	68.9	69.8	98.7	99.0	20.9	21.0	99.5	106.1	131	132	99.2	92.9
J1		6.5				68.8				69.8				20.4				141		
N1	6.8	6.2	109.7	115.2	67.6	67.8	99.7	98.7	68.3	69.0	99.0	98.1	19.7	19.6	100.5	100.0	154	148	104.0	109.2
P1	6.6	6.7	98.5	111.9	68.7	68.5	100.3	100.3	69.6	69.3	100.4	100.0	20.7	21.0	98.6	105.1	138	138	100.0	97.9
Q1	5.6	5.4	103.7	94.9	69.1	69.1	100.0	100.9	69.3	69.3	100.0	99.6	17.2	18.1	95.0	87.3	140	142	98.6	99.3
R1	5.5	5.3	103.8	93.2	68.1	68.0	100.1	99.4	69.8	69.8	100.0	100.3	20.2	19.8	102.0	102.5	143	141	101.4	101.4
T1		4.6				69.1				69.7				19.8				142		
U1	6.0	6.3	95.2	101.7	69.0	69.2	99.7	100.7	69.2	69.4	99.7	99.4	20.7	20.3	102.0	105.1	144	138	104.3	102.1
V1	8.1	8.0	101.2	137.3	68.8	68.9	99.8	100.4	69.0	69.1	99.8	99.1	20.3	20.0	101.5	103.0	134	135	99.2	95.0
X1	6.6	7.0	94.3	111.9	68.8	68.4	100.6	100.4	68.8	68.8	100.0	98.8	18.5	19.3	95.8	93.9	137	136	100.7	97.2
Y1	5.3	5.5	96.4	89.8	68.1	67.9	100.3	99.4	69.9	69.6	100.4	100.4	19.3	19.9	97.0	98.0	146	144	101.4	103.5
A2	6.0	6.3	95.2	101.7	68.4	68.4	100.0	99.8	69.8	69.5	100.4	100.3	19.4	20.0	97.0	98.5	148	148	100.0	105.0
B2	5.8	5.4	107.4	98.3	67.8	68.1	99.6	99.0	69.3	69.8	99.3	99.6	19.7	19.8	99.5	100.0	144	145	99.3	102.1
C2	6.5	6.7	97.0	110.2	69.0	69.0	100.0	100.7	69.2	69.2	100.0	99.4	18.4	19.4	94.8	93.4	148	146	101.4	105.0
F2	7.1	7.2	98.6	120.3	68.5	68.6	99.8	100.0	69.0	69.0	100.0	99.1	18.8	19.4	96.9	95.4	147	150	98.0	104.2
I2	6.3	6.1	103.3	106.8	68.5	68.4	100.1	100.0	69.6	69.6	100.0	100.0	18.6	18.2	102.2	94.4	141	141	100.0	100.0
L2		4.7				66.9				69.2				19.2				150		
M2	5.6	5.6	100.0	94.9	69.2	69.2	100.0	101.0	69.4	69.4	100.0	99.7	20.0	20.0	100.0	101.5	145	145	100.0	102.8
Q2		6.5				67.7				68.7				19.6				141		
R2	5.9	6.2	95.2	100.0	68.2	68.0	100.3	99.6	69.6	69.2	100.6	100.0	18.9	19.0	99.5	95.9	133	135	98.5	94.3
S2	6.6	6.6	100.0	111.9	68.5	68.6	99.8	100.0	69.4	69.5	99.8	99.7	18.8	18.8	100.0	95.4	138	140	98.6	97.9
T2		6.0				69.8				70.4				20.0				146		
W2	5.4	5.6	96.4	91.5	69.1	69.1	100.0	100.9	69.3	69.3	100.0	99.6	19.2	19.9	96.5	97.5	162	151	107.3	114.9
X2	5.1	5.2	98.1	86.4	69.1	69.2	99.8	100.9	69.4	69.5	99.8	99.7	18.9	18.8	100.5	95.9	141	140	100.7	100.0
Y2		6.1				68.4				69.6				19.6				142		
A3	3.0	4.0	75.0	50.8	66.8	67.5	99.0	97.5	70.3	70.3	100.0	101.0	19.1	20.2	94.6	97.0	146	148	98.6	103.5
B3		6.4				69.5				69.7				19.6				136		
C3	6.0	4.9	122.4	101.7	68.0	67.5	100.7	99.3	69.4	69.7	99.6	99.7	19.4	19.5	99.5	98.5	141	142	99.3	100.0
D3	5.8	5.8	100.0	98.3	69.0	69.0	100.0	100.7	69.2	69.2	100.0	99.4					137	137	100.0	97.2
E3	5.6	5.2	107.7	94.9	67.6	67.5	100.1	98.7	69.2	69.4	99.7	99.4	18.2	18.8	96.8	92.4	142	140	101.4	100.7
F3		6.5				68.7				69.7				21.3				129		
H3	7.1			120.3	69.1			100.9	69.7			100.1	20.3			103.0	147			104.2
FKBG DATA																				
CUR. AV.	6.0				68.5				69.5				19.5				143			
CUM. AV.	5.9				68.5				69.6				19.7				141			
IND. *D	101.7				100.0				99.8				99.0				101.4			

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

TABLE XIV  
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD  
 AUGUST, 1978

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.1	5.0	102.0	86.4	67.2	67.2	100.0	98.1	69.1	69.3	99.7	99.4	19.9	19.0	104.7	101.0	137	139	98.6	96.5
C1	6.2	6.3	98.4	105.1	69.8	69.9	99.8	101.9	70.4	70.5	99.8	101.3	20.2	20.9	96.6	102.5	142	142	100.0	100.0
D1	5.9	6.1	96.7	100.0	69.4	69.1	100.4	101.3	70.9	70.3	100.8	102.0	19.6	19.6	100.0	99.5	135	144	93.8	95.1
F1	6.5	6.6	98.5	110.2	68.7	69.7	98.6	100.3	69.7	70.6	98.7	100.3	22.0	22.4	98.2	111.7	137	136	100.7	96.5
G1	5.8	5.5	105.4	98.3	68.1	68.0	100.1	99.4	69.6	69.7	99.8	100.1	18.9	18.8	100.5	95.9	145	145	100.0	102.1
H1	4.3	3.6	119.4	72.9	68.5	67.7	101.2	100.0	71.1	70.8	100.4	102.3	20.5	19.9	103.0	104.1	142	143	99.3	100.0
I1	6.1	6.0	101.7	103.4	68.8	68.4	100.6	100.4	70.0	69.8	100.3	100.7	20.9	20.9	100.0	106.1	132	132	100.0	93.0
J1		6.4				68.8				69.8				20.6				140		
N1	6.2	6.2	100.0	105.1	68.1	67.8	100.4	99.4	69.3	69.0	100.4	99.7	20.0	19.6	102.0	101.5			147	
P1	6.6	6.7	98.5	111.9	68.7	68.4	100.4	100.3	69.6	69.3	100.4	100.1	21.3	21.0	101.4	108.1	138	138	100.0	97.2
Q1	5.5	5.4	101.8	93.2	69.3	69.1	100.3	101.2	69.5	69.3	100.3	100.0	17.9	18.0	99.4	90.9	140	142	98.6	98.6
R1		5.3				68.0				69.8				19.8				141		
T1		4.6				69.1				69.7				19.8				142		
U1	5.7	6.3	90.5	96.6	69.1	69.2	99.8	100.9	69.3	69.4	99.8	99.7	20.5	20.3	101.0	104.1	145	138	105.1	102.1
V1	8.0	8.0	100.0	135.6	68.9	68.9	100.0	100.6	69.1	69.1	100.0	99.4	20.9	20.0	104.5	106.1	135	135	100.0	95.1
X1		7.0				68.4				68.7				19.2				136		
Y1	5.2	5.5	94.5	88.1	67.7	67.9	99.7	98.8	69.6	69.6	100.0	100.1	19.9	19.8	100.5	101.0	141	144	97.9	99.3
A2	6.5	6.3	103.2	110.2	68.6	68.4	100.3	100.1	69.6	69.6	100.0	100.1	20.0	19.8	101.0	101.5	147	149	98.6	103.5
B2	5.5	5.5	100.0	93.2	67.8	68.0	99.7	99.0	69.5	69.7	99.7	100.0	20.5	19.8	103.5	104.1	151	145	104.1	106.3
C2	6.5	6.7	97.0	110.2	69.6	69.0	100.9	101.6	69.8	69.2	100.9	100.4	19.2	19.2	100.0	97.5	157	147	106.8	110.6
F2	7.5	7.2	104.2	127.1	68.4	68.6	99.7	99.8	68.6	69.0	99.4	98.7	18.7	19.2	97.4	94.9	142	150	94.7	100.0
I2	6.5	6.1	106.6	110.2	68.7	68.4	100.4	100.3	69.7	69.6	100.1	100.3	18.4	18.3	100.5	93.4	140	141	99.3	98.6
L2		4.7				66.9				69.2				19.2				150		
M2	5.8	5.6	103.6	98.3	69.3	69.2	100.1	101.2	69.5	69.4	100.1	100.0	20.5	20.0	102.5	104.1	143	145	98.6	100.7
Q2		6.5				67.7				68.7				19.6				141		
R2	6.5	6.1	106.6	110.2	68.0	68.0	100.0	99.3	69.0	69.2	99.7	99.3	19.0	18.9	100.5	96.4	132	134	98.5	93.0
S2	6.4	6.6	97.0	108.5	68.4	68.6	99.7	99.8	69.4	69.4	100.0	99.8	18.9	18.8	100.5	95.9	136	140	97.1	95.8
T2		6.1				69.8				70.4				20.0				146		
W2	5.5	5.6	98.2	93.2	69.1	69.2	99.8	100.9	69.3	69.4	99.8	99.7	19.2	19.8	97.0	97.5	165	152	108.6	116.2
X2	5.4	5.2	103.8	91.5	69.1	69.2	99.8	100.9	69.4	69.4	100.0	99.8	17.7	18.8	94.1	89.8	139	141	98.6	97.9
Y2		6.1				68.4				69.6				19.6				142		
A3	3.8	3.9	97.4	64.4	67.4	67.4	100.0	98.4	70.3	70.3	100.0	101.2	19.2	19.9	96.5	97.5	154	147	104.8	108.4
B3	7.0	6.4	109.4	118.6	69.2	69.5	99.6	101.0	69.4	69.7	99.6	99.8	19.2	19.6	98.0	97.5	134	136	98.5	94.4
C3	6.4	4.9	130.6	108.5	68.5	67.5	101.5	100.0	69.5	69.6	99.8	100.0	20.1	19.5	103.1	102.0	139	142	97.9	97.9
D3		5.8				69.0				69.2								137		
E3	5.8	5.2	111.5	98.3	67.7	67.5	100.3	98.8	69.2	69.4	99.7	99.6	18.1	18.8	96.3	91.9	140	140	100.0	98.6
F3		6.4				68.5				69.6				21.4				129		
H3	7.0	7.1	98.6	118.6	69.0	69.1	99.8	100.7	69.6	69.7	99.8	100.1	20.2	20.3	99.5	102.5	147	147	100.0	103.5
FKBC DATA																				
CUR.																				
AV. 6.0																				
CUM.																				
AV. 5.9																				
IND.																				
*D 101.7																				
68.6																				
69.6																				
19.7																				
142																				
68.5																				
69.5																				
19.7																				
142																				
100.1																				
100.1																				
100.0																				
100.0																				

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

TABLE XV  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 59 LB FOURDRINIER KRAFT LINERBOARD  
SEPTEMBER, 1978

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	4.8	5.0	96.0	81.4	67.0	67.3	99.6	97.8	69.2	69.3	99.8	99.6	19.5	19.1	102.1	99.0	140	139	100.7	98.6
C1	6.2	6.3	98.4	105.1	69.8	69.8	100.0	101.9	70.4	70.4	100.0	101.3	19.9	20.8	95.7	101.0	141	142	99.3	99.3
D1	6.6	6.1	108.2	111.9	69.2	69.1	100.1	101.0	70.1	70.3	99.7	100.9	19.9	19.6	101.5	101.0	137	143	95.8	96.5
F1	6.5	6.5	100.0	110.2	67.2	69.7	96.4	98.1	68.1	70.6	96.4	98.0	21.0	22.4	93.8	106.6	136	136	100.0	95.8
G1	5.7	5.5	103.6	96.6	68.0	68.0	100.0	99.3	69.6	69.7	99.8	100.1	19.6	18.8	104.2	99.5	138	145	95.2	97.2
H1	3.7	3.7	100.0	62.7	67.7	67.8	99.8	98.8	70.7	70.8	99.8	101.7	19.9	20.0	99.5	101.0	149	143	104.2	104.9
I1	6.1	6.0	101.7	103.4	68.8	68.5	100.4	100.4	70.0	69.8	100.3	100.7	21.3	20.9	101.9	108.1	134	132	101.5	94.4
J1		6.3				68.7				69.8				20.8				140		
N1	6.6	6.2	106.4	111.9	68.2	67.9	100.4	99.6	69.1	69.0	100.1	99.4	20.6	19.7	104.6	104.6	145	147	98.6	102.1
P1	6.4	6.7	95.5	108.5	68.7	68.5	100.3	100.3	69.7	69.4	100.4	100.3	21.1	21.1	100.0	107.1	138	138	100.0	97.2
Q1	5.4	5.4	100.0	91.5	69.2	69.1	100.1	101.0	69.4	69.3	100.1	99.8	17.8	18.0	98.9	90.4	139	142	97.9	97.9
R1		5.4				68.0				69.8				19.8				141		
T1		4.6				69.2				69.8				19.9				142		
U1	5.8	6.3	92.1	98.3	68.9	69.1	99.7	100.6	69.1	69.3	99.7	99.4	19.8	20.3	97.5	100.5	142	138	102.9	100.0
V1	8.2	8.0	102.5	139.0	68.8	68.9	99.8	100.4	69.0	69.1	99.8	99.3	20.5	20.1	102.0	104.1	135	135	100.0	95.1
X1		7.0				68.4				68.7				19.2				136		
Y1	5.0	5.4	92.6	84.7	67.8	67.9	99.8	99.0	69.8	69.6	100.3	100.4	20.3	19.8	102.5	103.0	143	144	99.3	100.7
A2	6.5	6.3	103.2	110.2	68.6	68.4	100.3	100.1	69.6	69.6	100.0	100.1	20.3	19.8	102.5	103.0	147	149	98.6	103.5
B2	5.7	5.5	103.6	96.6	67.8	67.9	99.8	99.0	69.4	69.6	99.7	99.8	20.2	19.9	101.5	102.5	150	146	102.7	105.6
C2	6.5	6.7	97.0	110.2	69.2	69.0	100.3	101.0	69.4	69.2	100.3	99.8	19.1	19.2	99.5	97.0	151	148	102.0	106.3
F2	7.0	7.2	97.2	118.6	68.4	68.6	99.7	99.8	69.0	69.0	100.0	99.3	18.8	19.1	98.4	95.4	149	150	99.3	104.9
I2	6.4	6.2	103.2	108.5	68.5	68.4	100.1	100.0	69.5	69.6	99.8	100.0	18.4	18.3	100.5	93.4	142	141	100.7	100.0
L2		4.7				66.9				69.2				19.2				150		
M2	5.8	5.6	103.6	98.3	69.2	69.2	100.0	101.0	69.4	69.4	100.0	99.8	20.3	19.9	102.0	103.0	149	144	103.5	104.9
Q2		6.5				67.7				68.7				19.6				141		
R2	6.1	6.1	100.0	103.4	68.4	67.9	100.7	99.8	69.6	69.1	100.7	100.1	18.6	18.8	98.9	94.4	135	134	100.7	95.1
S2	6.4	6.6	97.0	108.5	68.5	68.5	100.0	100.0	69.5	69.4	100.1	100.0	19.3	18.9	102.1	98.0	139	139	100.0	97.9
T2		6.1				69.8				70.4				20.0				146		
W2	5.5	5.5	100.0	93.2	69.1	69.2	99.8	100.9	69.3	69.4	99.8	99.7	18.6	19.8	93.9	94.4	163	153	106.5	114.8
X2	5.0	5.3	94.3	84.7	69.1	69.1	100.0	100.9	69.4	69.4	100.0	99.8	18.3	18.8	97.3	92.9	140	140	100.0	98.6
Y2		6.1				68.4				69.6				19.6				142		
A3	3.5	3.9	89.7	59.3	67.2	67.4	99.7	98.1	70.4	70.3	100.1	101.3	19.7	19.8	99.5	100.0	158	148	106.8	111.3
B3	7.2	6.5	110.8	122.0	68.6	69.4	98.0	100.1	68.8	69.6	98.8	99.0	19.2	19.5	98.5	97.5	135	136	99.3	95.1
C3	5.6	5.0	112.0	94.9	67.6	67.6	100.0	98.7	69.2	69.6	99.4	99.6	19.8	19.5	101.5	100.5	142	141	100.7	100.0
D3	5.8	5.8	100.0	98.3	69.0	69.0	100.0	100.7	69.2	69.2	100.0	99.6					143	137	104.4	100.7
E3	5.4	5.3	101.9	91.5	67.7	67.5	100.3	98.8	69.5	69.3	100.3	100.0	18.4	18.8	97.9	93.4	140	140	100.0	98.6
F3		6.3				68.6				69.8				21.4				128		
H3	7.0	7.0	100.0	118.6	68.7	69.0	99.6	100.3	69.3	69.6	99.6	99.7	19.7	20.2	97.5	100.0	144	147	98.0	101.4
FKBG DATA																				
CUR.																				
AV. 5.9																				
CUM.																				
AV. 5.9																				
IND.																				
#D 100.0																				

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

TABLE XVI  
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD  
 JULY, 1978

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G				
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	
A1		4.9				87.6				90.4				25.2				157			
C1	6.4	6.5	98.5	106.7	90.8	91.0	99.8	101.7	91.6	91.8	99.8	101.0	27.0	27.5	98.2	106.3	172	168	102.4	101.2	
D1		6.8				89.9				90.9				26.8				155			
G1	6.4	6.4	100.0	106.7	88.8	89.6	99.1	99.4	90.1	91.0	99.0	99.3	25.0	24.5	102.0	98.4	160	165	97.0	94.1	
H1	3.4	3.9	87.2	56.7	87.9	88.7	99.1	98.4	92.1	92.5	99.6	101.5	26.5	26.1	101.5	104.3	183	176	104.0	107.6	
I1		5.8				89.4				91.4				26.9				162			
Q1	5.6	5.3	105.7	93.3	90.0	90.2	99.8	100.8	90.3	90.5	99.8	99.6	24.7	24.0	102.9	97.2	159	166	95.8	93.5	
U1	6.4	6.2	103.2	106.7	90.1	90.2	99.9	100.9	90.4	90.5	99.9	99.7	26.9	25.8	104.3	105.9	168	168	100.0	98.8	
A2		6.6				89.7				91.0				26.4				170			
B2	5.9	5.6	105.4	98.3	88.4	89.6	98.7	99.0	90.3	91.8	98.4	99.6	26.7	26.3	101.5	105.1	169	169	100.0	99.4	
F2	7.2	7.2	100.0	120.0	89.6	89.4	100.2	100.3	90.2	89.9	100.3	99.4	24.5	24.9	98.4	96.4	172	186	92.5	101.2	
I2	6.1	6.0	101.7	101.7	89.3	89.1	100.2	100.0	90.9	90.8	100.1	100.2	23.8	23.9	99.6	93.7	167	167	100.0	98.2	
Q2		6.5				88.5				89.7				26.0				182			
R2		6.2				88.1				89.6				25.2				162			
S2	6.9	6.8	101.5	115.0	88.9	89.4	99.4	99.6	89.8	90.4	99.3	99.0	24.8	24.6	100.8	97.6	171	172	99.4	100.6	
W2	5.6	5.7	98.2	93.3	90.2	89.9	100.3	101.0	90.5	90.2	100.3	99.8	24.2	25.3	95.6	95.3	200	180	111.1	117.6	
A3		3.9				88.5				92.2				25.2				187			
C3		5.4				88.3				90.6				25.4				166			
H3	7.2			120.0	90.2				101.0	90.8			100.1	25.7			101.2	175		102.9	
FKBG DATA																					
CUR.																					
AV.	6.1				89.5				90.6				25.4				172				
CUM.																					
AV.	6.0				89.3				90.7				25.4				170				
IND.																					
*D	101.7				100.2				99.9				100.0				101.2				

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

TABLE XVII  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD  
AUGUST, 1978

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	4.9	5.0	98.0	81.7	86.9	87.7	99.1	97.3	89.6	90.4	99.1	98.8	26.5	25.1	105.6	104.3	160	157	101.9	94.1
C1	6.3	6.4	98.4	105.0	91.0	91.0	100.0	101.9	91.8	91.8	100.0	101.2	26.9	27.4	98.2	105.9	170	169	100.6	100.0
D1		6.8				89.9				90.9				26.8				155		
G1	6.3	6.3	100.0	105.0	89.0	89.5	99.4	99.7	90.4	90.9	99.4	99.7	24.6	24.6	100.0	96.8	160	164	97.6	94.1
H1		3.9				88.6				92.4				26.1				177		
I1		5.8				89.4				91.4				26.9				162		
Q1	5.3	5.4	98.1	88.3	90.1	90.1	100.0	100.9	90.4	90.4	100.0	99.7	21.2	24.1	88.0	83.5	169	164	103.0	99.4
U1	6.6	6.3	104.3	110.0	89.9	90.2	99.7	100.7	90.2	90.5	99.7	99.4	25.1	26.0	96.5	98.8	183	168	108.9	107.6
A2		6.6				89.7				91.0				26.4				170		
B2	5.9	5.6	105.4	98.3	89.0	89.5	99.4	99.7	90.9	91.6	99.2	100.2	27.3	26.4	103.4	107.5	166	169	98.2	97.6
F2	7.4	7.2	102.8	123.3	89.6	89.4	100.2	100.3	90.0	89.9	100.1	99.2	24.9	24.8	100.4	98.0	168	185	90.8	98.8
I2	6.3	6.0	105.0	105.0	89.3	89.1	100.2	100.0	90.7	90.8	99.9	100.0	23.8	23.9	99.6	93.7	164	167	98.2	96.5
Q2		6.5				88.5				89.7				26.0				182		
R2		6.2				88.0				89.5				25.3				162		
S2	6.5	6.8	95.6	108.3	89.2	89.3	99.9	99.9	90.4	90.3	100.1	99.7	25.1	24.7	101.6	98.8	162	172	94.2	95.3
W2	7.0	5.6	125.0	116.7	89.2	89.9	99.2	99.9	89.5	90.2	99.2	98.7	25.0	25.2	99.2	98.4	202	183	110.4	118.8
A3		3.9				88.5				92.2				25.2				187		
C3	7.1	5.4	131.5	118.3	89.6	88.4	101.4	100.3	90.3	90.6	99.7	99.6	26.4	25.3	104.3	103.9	164	166	98.8	96.5
H3	7.0	7.2	97.2	116.7	88.6	90.2	98.2	99.2	89.4	90.8	98.4	98.6	26.5	25.7	103.1	104.3	174	175	99.4	102.4
FKBG DATA																				
CUR.																				
AV.	6.4				89.3				90.3				25.3				170			
CUM.																				
AV.	6.0				89.3				90.7				25.4				170			
IND.																				
*D	106.7				100.0				99.6				99.6				100.0			

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

TABLE XVIII  
 AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD  
 SEPTEMBER, 1978

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G				
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	
A1	4.5	5.0	90.0	75.0	87.3	87.7	99.5	97.8	90.4	90.3	100.1	99.8	27.4	25.3	108.3	107.9	165	158	104.4	97.0	
C1	6.4	6.4	100.0	106.7	90.9	91.0	99.9	101.8	91.7	91.8	99.9	101.2	27.0	27.4	98.5	106.3	169	169	100.0	99.4	
D1		6.8				89.9					90.9				26.8			155			
G1	6.2	6.4	96.9	103.3	88.8	89.4	99.3	99.4	90.3	90.7	99.6	99.7	25.5	24.5	104.1	100.4	153	164	93.3	90.0	
H1	3.6	3.8	94.7	60.0	87.9	88.7	99.1	98.4	91.9	92.5	99.4	101.4	25.9	26.2	98.8	102.0	183	177	103.4	107.6	
I1		5.8				89.4					91.4				26.9			162			
Q1	5.5	5.4	101.8	91.7	90.3	90.1	100.2	101.1	90.6	90.4	100.2	100.0	24.2	23.8	101.7	95.3	162	165	98.2	95.3	
U1	5.8	6.4	90.6	96.7	90.1	90.2	99.9	100.9	90.4	90.4	100.0	99.8	26.6	25.9	102.7	104.7	163	169	96.4	95.9	
A2		6.6				89.7					90.9				26.2			171			
B2	6.2	5.7	108.8	103.3	88.6	89.4	99.1	99.2	90.1	91.5	98.5	99.4	26.8	26.4	101.5	105.5	168	168	100.0	98.8	
F2	7.0	7.2	97.2	116.7	89.7	89.4	100.3	100.4	90.5	89.9	100.7	99.9	24.8	24.7	100.4	97.6	175	184	95.1	102.9	
I2	6.1	6.1	100.0	101.7	89.3	89.1	100.2	100.0	90.9	90.8	100.1	100.3	24.1	24.0	100.4	94.9	160	167	95.8	94.1	
Q2		6.5				88.5					89.7				26.0			182			
R2		6.2				88.0					89.5				25.0			162			
S2	6.6	6.7	98.5	110.0	89.1	89.2	99.9	99.8	90.3	90.3	100.0	99.7	24.9	24.8	100.4	98.0	167	171	97.7	98.2	
W2	5.6	5.8	96.6	93.3	90.4	89.8	100.7	101.2	90.7	90.1	100.7	100.1	25.0	25.1	99.6	98.4	177	186	95.2	104.1	
A3		3.9				88.5					92.2				25.2			187			
C3	6.1	5.5	110.9	101.7	88.9	88.4	100.6	99.6	90.5	90.6	99.9	99.9	25.7	25.3	101.6	101.2	166	166	100.0	97.6	
H3		7.1				89.4					90.1				26.1			174			
FKBG DATA																					
CUR.																					
AV.	5.8				89.3				90.7				25.6				167				
CUM.																					
AV.	6.0				89.3				90.6				25.4				170				
IND.																					
*D	96.7				100.0				100.1				100.8				98.2				

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

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

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

TABLE XIX  
DATA ON CONDITIONING AND TESTING ENVIRONMENTS  
JULY, AUGUST, AND SEPTEMBER, 1978

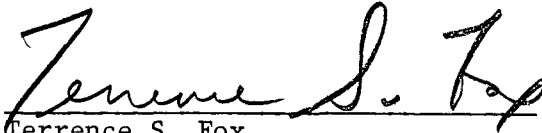
Code	Conditioning Environment				Testing Environment
	Are Quality Samples Conditioned Before Testing?	Time	Temp., °F	RH, %	Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
A1	No	--	--	--	No
B1	No data submitted for this period				No
C1	No	--	--	--	No
D1	No	--	--	--	No
E1	Yes	20 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
F1	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
G1	No	--	--	--	No
H1	No	--	--	--	No
I1	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
J1	No data submitted for this period				
K1	No data submitted for this period				
L1	Insufficient tonnage for this period				
M1	No data submitted for this period				
N1	Yes	15 min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
O1	No	--	--	--	No
P1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Q1	No	--	--	--	No
R1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
S1	No	--	--	--	No
T1	No data submitted for this period				
U1	No	--	--	--	Yes: 75 ± 5°F; 50 ± 5% RH
V1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
W1	Yes	15 min	--	--	Yes: 73 ± 3.5°F; 50 ± 3% RH
X1	No	--	--	--	No
Y1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
Z1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
A2	No	--	--	--	No
B2	No	--	--	--	No
C2	No	--	--	--	No
D2	No data submitted for this period				
E2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
F2	No	--	--	--	No
G2	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
H2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
I2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
J2	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
K2	No	--	--	--	No
L2	No	--	--	--	No
M2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
N2	No	--	--	--	No
O2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
P2	No	--	--	--	Yes: 73 ± 3°F; 50% RH
Q2	No data submitted for this period				
R2	No	--	--	--	No
S2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
T2	No	--	--	--	No
U2	No	--	--	--	No
V2	No	--	--	--	No
W2	No	--	--	--	No
X2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
Y2	No data submitted for this period				
Z2	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
A3	No	--	--	--	No
B3	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
C3	No	--	--	--	No
D3	No	--	--	--	No
E3	No	--	--	--	No
F3	No data submitted for this period				
G3	No	--	--	--	No
H3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH

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APPENDIX

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

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

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

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

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

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

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

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

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

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

<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.

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