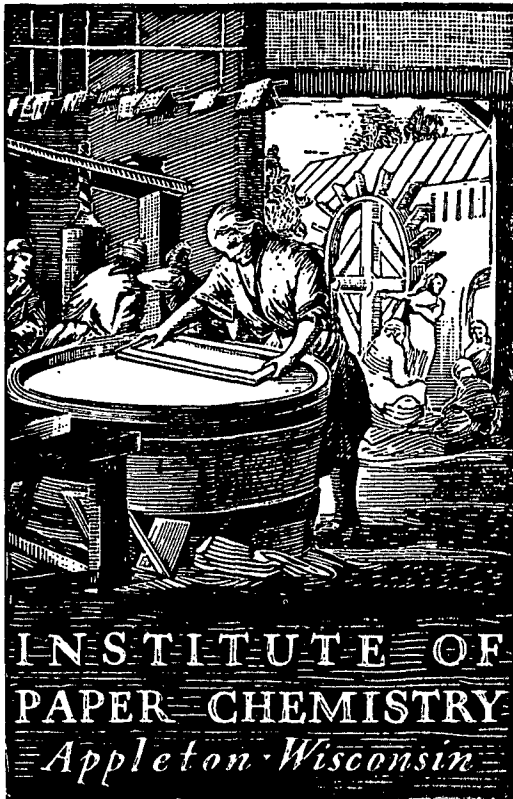


**BASE-LINE**

3rd QUARTER, 1979



**CONTINUOUS BASE-LINE STUDY (MODIFIED)  
(MILL LINERBOARD DATA FOR  
JULY, AUGUST, SEPTEMBER, 1979)**

**Project 2694-1**

**Report Seventy-Three**

**A Progress Report**

**to**

**FOURDRINIER KRAFT BOARD GROUP**

**OF THE**

**AMERICAN PAPER INSTITUTE**

**November 30, 1979**

BASE-LINE  
3RD QUARTER, 1979

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

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November 30, 1979

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)  
 (MILL LINERBOARD DATA FOR JULY, AUGUST, SEPTEMBER, 1979)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA  
 (JUNE-SEPTEMBER, 1979)

Linerboard Grade Wt.		Moisture Content			
		June	July	August	September
26 Lb	Max. <sup>a</sup>	7.2	6.1	6.1	6.9
	Min. <sup>a</sup>	3.0	2.6	2.2	3.2
	Av. <sup>b</sup>	4.9 (16)	4.6 (17)	4.6 (19)	4.8 (13)
33 Lb	Max. <sup>a</sup>	6.4	6.5	6.5	6.4
	Min. <sup>a</sup>	2.1	1.8	1.7	2.0
	Av. <sup>b</sup>	4.8 (25)	4.6 (23)	4.8 (28)	4.9 (28)
38 Lb	Max. <sup>a</sup>	6.4	6.6	6.6	6.8
	Min. <sup>a</sup>	2.8	2.8	2.9	3.8
	Av. <sup>b</sup>	5.2 (24)	5.2 (20)	5.2 (21)	5.3 (21)
42 Lb	Max. <sup>a</sup>	6.8	6.8	6.8	6.9
	Min. <sup>a</sup>	3.2	2.8	2.4	3.8
	Av. <sup>b</sup>	5.5 (43)	5.5 (42)	5.5 (42)	5.6 (43)
69 Lb	Max. <sup>a</sup>	7.9	7.8	7.8	7.9
	Min. <sup>a</sup>	3.0	3.6	3.7	4.6
	Av. <sup>b</sup>	6.1 (33)	6.2 (30)	6.3 (30)	6.4 (27)
90 Lb	Max. <sup>a</sup>	7.4	6.9	7.4	7.4
	Min. <sup>a</sup>	3.6	5.0	3.7	4.9
	Av. <sup>b</sup>	6.2 (14)	6.1 (13)	6.1 (14)	6.5 (14)

<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, 1979)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M ft <sup>2</sup>			
		June	July	August	September
26 Lb	Max. <sup>a</sup>	27.5	27.3	27.1	27.2
	Min. <sup>a</sup>	25.9	26.1	26.1	26.1
	Av. <sup>b</sup>	26.4 (16)	26.6 (17)	26.4 (19)	26.5 (13)
33 Lb	Max. <sup>a</sup>	35.7	34.6	34.6	34.4
	Min. <sup>a</sup>	32.8	32.8	32.8	33.0
	Av. <sup>b</sup>	33.6 (25)	33.6 (23)	33.5 (28)	33.6 (28)
38 Lb	Max. <sup>a</sup>	39.2	39.2	39.2	39.5
	Min. <sup>a</sup>	37.8	37.7	37.9	37.9
	Av. <sup>b</sup>	38.4 (24)	38.4 (20)	38.4 (21)	38.5 (21)
42 Lb	Max. <sup>a</sup>	43.3	43.4	43.2	43.4
	Min. <sup>a</sup>	41.4	41.4	41.7	41.6
	Av. <sup>b</sup>	42.4 (43)	42.4 (42)	42.4 (42)	42.4 (43)
69 Lb	Max. <sup>a</sup>	70.5	70.4	72.5	70.3
	Min. <sup>a</sup>	67.9	68.4	68.0	68.3
	Av. <sup>b</sup>	69.3 (33)	69.4 (30)	69.5 (30)	69.4 (27)
90 Lb	Max. <sup>a</sup>	91.5	92.1	92.3	91.2
	Min. <sup>a</sup>	90.0	89.9	90.1	89.4
	Av. <sup>b</sup>	90.6 (14)	90.6 (13)	90.8 (14)	90.4 (14)

<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, 1979)

Linerboard Grade Wt.		Caliper, pt.			
		June	July	August	September
26 Lb	Max. <sup>a</sup>	9.3	9.3	9.4	8.9
	Min. <sup>a</sup>	7.4	7.5	7.1	7.1
	Av. <sup>b</sup>	8.2 (16)	8.2 (17)	8.1 (19)	8.1 (13)
33 Lb	Max. <sup>a</sup>	11.2	10.9	11.8	11.2
	Min. <sup>a</sup>	9.0	8.9	9.0	9.1
	Av. <sup>b</sup>	10.0 (23)	9.8 (22)	9.9 (27)	9.9 (27)
38 Lb	Max. <sup>a</sup>	11.6	11.8	12.1	12.4
	Min. <sup>a</sup>	10.2	10.0	9.7	9.8
	Av. <sup>b</sup>	10.9 (23)	10.9 (19)	11.0 (20)	11.0 (20)
42 Lb	Max. <sup>a</sup>	12.9	12.9	13.1	13.8
	Min. <sup>a</sup>	10.6	11.0	11.0	10.8
	Av. <sup>b</sup>	12.0 (42)	12.0 (41)	12.0 (40)	12.1 (42)
69 Lb	Max. <sup>a</sup>	22.3	22.1	22.1	22.1
	Min. <sup>a</sup>	18.1	18.1	18.3	18.5
	Av. <sup>b</sup>	19.9 (32)	20.1 (30)	19.9 (30)	20.0 (27)
90 Lb	Max. <sup>a</sup>	27.8	27.4	27.7	27.7
	Min. <sup>a</sup>	23.8	24.2	23.9	24.2
	Av. <sup>b</sup>	25.7 (14)	26.0 (13)	25.8 (14)	26.0 (14)

<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, 1979)

Linerboard Grade Wt.		Bursting Strength, psig			
		June	July	August	September
26 Lb	Max. <sup>a</sup>	80	83	82	78
	Min. <sup>a</sup>	62	62	63	63
	Av. <sup>b</sup>	69 (16)	71 (17)	71 (19)	69 (13)
33 Lb	Max. <sup>a</sup>	107	94	97	98
	Min. <sup>a</sup>	77	76	77	75
	Av. <sup>b</sup>	86 (25)	84 (23)	85 (28)	85 (28)
38 Lb	Max. <sup>a</sup>	110	106	105	104
	Min. <sup>a</sup>	87	90	88	87
	Av. <sup>b</sup>	98 (24)	97 (20)	96 (21)	97 (21)
42 Lb	Max. <sup>a</sup>	122	116	124	119
	Min. <sup>a</sup>	96	96	95	97
	Av. <sup>b</sup>	105 (43)	104 (42)	104 (42)	105 (43)
69 Lb	Max. <sup>a</sup>	164	162	156	151
	Min. <sup>a</sup>	130	127	130	127
	Av. <sup>b</sup>	141 (33)	140 (30)	141 (30)	139 (27)
90 Lb	Max. <sup>a</sup>	184	182	182	190
	Min. <sup>a</sup>	163	163	160	159
	Av. <sup>b</sup>	170 (14)	172 (13)	170 (14)	170 (14)

<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, 1979

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			4.8				25.6					26.4				7.9				75
C1			5.2				25.4					26.2				7.8				74
D1	4.4	4.1	107.3	91.7	26.0	25.3	102.8	100.0	27.0	26.3	102.7	101.5	8.4	7.6	110.5	105.0	75	76	98.7	105.6
E1	4.7	5.0	94.0	97.9	25.6	25.6	100.0	98.5	26.5	26.4	100.4	99.6	8.3	8.2	101.2	103.8	76	70	108.6	107.0
F1			6.8				26.1					26.2				7.2				64
J1	4.4	4.4	100.0	91.7	26.3	26.1	100.8	101.2	27.3	27.1	100.7	102.6	7.7	7.6	101.3	96.2	71	73	97.3	100.0
K1			2.8				25.0					26.4				7.4				75
L1	3.0	3.5	85.7	62.5	26.1	26.0	100.4	100.4	26.2	26.1	100.4	98.5	7.6	7.8	97.4	95.0	76	66	115.2	107.0
Q1	3.6	3.9	92.3	75.0	26.4	26.6	99.2	101.5	26.5	26.7	99.2	99.6	8.0	7.8	102.6	100.0	70	71	98.6	98.6
Q1	5.2	5.2	100.0	108.3	25.6	26.0	98.5	98.5	26.3	26.7	98.5	98.9	8.1	8.7	93.1	101.2	69	71	97.2	97.2
S1	4.9	5.0	98.0	102.1	26.0	26.0	100.0	100.0	26.8	26.8	100.0	100.8	9.3	9.0	103.3	116.2	73	70	104.3	102.8
T1			6.0				25.7					26.2				8.4				76
U1	5.5	5.6	98.2	114.6	26.1	26.1	100.0	100.4	26.2	26.2	100.0	98.5	8.2	8.2	100.0	102.5	68	68	100.0	95.8
V1			3.8				27.2					27.3				8.7				70
W1			1.3				26.1					27.9				8.6				62
X1			5.9				26.6					27.2				8.1				66
Y1			3.7				25.4					26.6				8.1				75
A2			4.4				26.8					26.9				8.3				66
D2	6.1	5.8	105.2	127.1	25.9	25.8	100.4	99.6	26.4	26.4	100.0	99.2	7.5	7.4	101.4	93.8	65	66	98.5	91.5
E2			5.8				25.5					26.1				8.2				75
J2			6.1				25.9					26.0				7.1				61
K2	2.6	2.6	100.0	54.2	25.8	25.2	102.4	99.2	27.2	26.6	102.2	102.2	7.7	7.6	101.3	96.2	75	78	96.2	105.6
L2	4.5	4.6	97.8	93.8	25.5	26.0	98.1	98.1	26.4	26.8	98.5	99.2	8.1	7.8	103.8	101.2	69	72	95.8	97.2
M2	4.9	3.9	125.6	102.1	25.7	25.5	100.8	98.8	26.5	26.6	99.6	99.6	8.7	8.4	103.6	108.8	83	81	102.5	116.9
N2	5.6	5.3	105.7	116.7	26.6	26.6	100.0	102.3	27.2	27.3	99.6	102.2	8.9	8.8	101.1	111.2	68	67	101.5	95.8
P2	4.2	4.0	105.0	87.5	26.3	26.8	98.1	101.2	26.4	27.0	97.8	99.2	7.8	8.0	97.5	97.5	67	68	98.5	94.4
R2	4.2	4.8	87.5	87.5	25.4	25.7	98.8	97.7	26.4	26.6	99.2	99.2	8.2	7.9	103.8	102.5	70	70	100.0	98.6
S2	5.7	5.7	100.0	118.8	26.0	26.0	100.0	100.0	26.1	26.0	100.4	98.1	7.8	7.8	100.0	97.5	62	62	100.0	87.3
C3	5.0	4.8	104.2	104.2	26.2	26.2	100.0	100.8	26.3	26.3	100.0	98.9	8.2	8.1	101.2	102.5	71	71	100.0	100.0
FXBG DATA																				
CUR.																				
AV.	4.6				26.0				26.6				8.1							71
CUM.																				
AV.	4.8				26.0				26.6				8.0							71
IND.																				
*D	95.8				100.0				100.0				101.2							100.0

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, 1979

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	5.6	4.9	114.3	116.7	25.5	25.5	100.0	98.1	26.1	26.3	99.2	98.1	7.8	8.0	97.5	96.3	79	75	105.3	111.3
C1		5.2				25.4				26.1				7.9			74			
D1		4.1				25.4				26.4				7.8			77			
E1	4.8	4.9	98.0	100.0	25.5	25.6	99.6	98.1	26.3	26.4	99.6	98.9	8.2	8.2	100.0	101.2	67	70	95.7	94.4
F1		6.8				26.1				26.2				7.2			64			
J1	4.4	4.4	100.0	91.7	26.0	26.2	99.2	100.0	27.0	27.2	99.3	101.5	7.4	7.6	97.4	91.4	67	71	94.4	94.4
K1		2.1				25.0				26.6							79			
L1	3.0	3.5	85.7	62.5	26.1	26.0	100.4	100.4	26.2	26.1	100.4	98.5	7.6	7.8	97.4	93.8	76	67	113.4	107.0
O1	3.4	3.8	89.5	70.8	26.1	26.5	98.5	100.4	26.2	26.6	98.5	98.5	7.9	7.7	102.6	97.5	71	70	101.4	100.0
Q1	4.4	5.2	84.6	91.7	25.5	25.9	98.4	98.1	26.4	26.6	99.2	99.2	8.0	8.6	93.0	98.8	70	71	98.6	98.6
S1	5.0	5.0	100.0	104.2	26.2	26.0	100.8	100.8	27.0	26.8	100.7	101.5	9.4	9.0	104.4	116.0	69	70	98.6	97.2
T1	6.1	6.0	101.7	127.1	25.6	25.7	99.6	98.5	26.1	26.2	99.6	98.1	8.9	8.4	106.0	109.9	77	76	101.3	108.4
U1	5.2	5.6	92.8	108.3	26.1	26.1	100.0	100.4	26.2	26.2	100.0	98.5	8.1	8.2	98.8	100.0	69	68	101.5	97.2
V1		3.9				27.2				27.3				8.7			69			
W1		1.3				26.1				27.9				8.6			62			
X1		5.9				26.6				27.2				8.1			66			
Y1	4.0	4.0	100.0	83.3	25.2	25.6	98.4	96.9	26.2	26.6	98.5	98.5	8.0	8.1	98.8	98.8	75	75	100.0	105.6
A2		4.4				26.8				26.9				8.3			66			
D2	6.0	5.8	103.4	125.0	25.9	25.9	100.0	99.6	26.4	26.4	100.0	99.2	7.3	7.4	98.6	90.1	67	66	101.5	94.4
E2		5.8				25.5				26.0				8.1			74			
J2		6.1				25.9				26.0				7.1			61			
K2	2.2	2.6	84.6	45.8	25.0	25.3	98.8	96.2	26.5	26.7	99.2	99.6	7.1	7.6	93.4	87.6	73	78	93.6	102.8
L2	4.0	4.7	85.1	83.3	25.6	25.9	98.8	98.5	26.6	26.8	99.2	100.0	8.0	7.8	102.6	98.8	69	72	95.8	97.2
M2	3.8	4.0	95.0	79.2	25.6	25.5	100.4	98.5	26.7	26.6	100.4	100.4	9.1	8.5	107.0	112.3	82	81	101.2	115.5
N2	5.3	5.3	100.0	110.4	26.4	26.6	99.2	101.5	27.1	27.3	99.3	101.9	8.8	8.8	100.0	108.6	66	67	98.5	93.0
P2	4.3	4.1	104.9	89.6	26.3	26.7	98.5	101.2	26.4	26.8	98.5	99.2	8.1	7.9	102.5	100.0	69	68	101.5	97.2
R2	4.5	4.7	95.7	93.8	25.4	25.7	98.8	97.7	26.3	26.6	98.9	98.9	8.0	8.0	100.0	98.8	68	70	97.1	95.8
S2	5.8	5.7	101.8	120.8	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.1	7.8	7.8	100.0	96.3	63	62	101.6	88.7
C3	5.0	4.8	104.2	104.2	26.2	26.2	100.0	100.8	26.3	26.3	100.0	98.9	8.0	8.1	98.8	98.8	70	71	98.6	98.6
FKBG DATA																				
CUR.																				
AV. 4.6																				
CUM.																				
AV. 4.8																				
IND.																				
*D 95.8																				

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

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

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			5.1				25.5				26.3				7.9					76	
C1			5.4				25.4				26.0				7.8					73	
D1	3.4		4.1	82.9	70.8	25.9	25.4	102.0	99.6	27.1	26.4	102.6	102.3	7.5	7.8	96.2	92.6	68	77	88.3	95.8
E1			4.9				25.6				26.4				8.2					70	
F1	6.4		6.8	94.1	133.3	26.0	26.1	99.6	100.0	26.1	26.2	99.6	98.5	7.1	7.2	98.6	87.6	63	64	98.4	88.7
J1			4.4				26.2				27.2				7.6					70	
K1			2.1				25.0				26.6									79	
L1	3.2		3.4	94.1	66.7	26.2	26.0	100.8	100.8	26.3	26.1	100.8	99.2	7.7	7.8	98.7	95.1	71	68	104.4	100.0
O1			3.8				26.5				26.6				7.8					70	
Q1	4.8		5.2	92.3	100.0	25.7	25.9	99.2	98.8	26.5	26.6	99.6	100.0	8.3	8.6	96.5	102.5	68	70	97.1	95.8
S1			5.0				26.0				26.8				9.0					70	
T1	6.9		6.0	115.0	143.8	25.8	25.7	100.4	99.2	26.1	26.2	99.6	98.5	8.8	8.5	103.5	108.6	78	76	102.6	109.8
U1	5.3		5.5	96.4	110.4	26.1	26.1	100.0	100.4	26.2	26.2	100.0	98.9	8.7	8.2	106.1	107.4	69	68	101.5	97.2
V1			3.8				27.2				27.3				8.7					69	
W1			1.3				26.1				27.9				8.6					62	
X1			5.9				26.6				27.2				8.1					66	
Y1			4.0				25.4				26.4				8.0					75	
A2			4.4				26.8				26.9				8.3					66	
D2	6.0		5.9	101.7	125.0	25.9	25.9	100.0	99.6	26.4	26.4	100.0	99.6	7.3	7.5	97.3	90.1	66	66	100.0	93.0
E2			5.8				25.5				26.0				8.1					74	
J2			6.1				25.9				26.0				7.1					61	
K2			2.5				25.3				26.7				7.6					76	
L2	3.4		4.7	72.3	70.8	25.5	25.9	98.4	98.1	26.7	26.8	99.6	100.8	8.2	7.8	105.1	101.2	68	71	95.8	95.8
M2	3.7		3.9	94.9	77.1	25.5	25.5	100.0	98.1	26.6	26.6	100.0	100.4	8.5	8.6	98.8	104.9	72	80	90.0	101.4
N2	5.4		5.3	101.9	112.5	26.5	26.6	99.6	101.9	27.2	27.3	99.6	102.6	8.9	8.8	101.1	109.9	67	67	100.0	94.4
P2	4.3		4.1	104.9	89.6	26.6	26.7	99.6	102.3	26.7	26.8	99.6	100.8	8.2	8.0	102.5	101.2	67	68	98.5	94.4
R2	4.6		4.7	97.9	95.8	25.4	25.6	99.2	97.7	26.3	26.5	99.2	99.2	7.7	8.0	96.2	95.1	68	70	97.1	95.8
S2			5.7				26.0				26.1				7.8					62	
C3	4.9		4.8	102.1	102.1	26.2	26.2	100.0	100.8	26.3	26.3	100.0	99.2	8.1	8.1	100.0	100.0	72	71	101.4	101.4
FKBG DATA																					
CUR.																					
AV.	4.8					25.9				26.5				8.1						69	
CUM.																					
AV.	4.8					26.0				26.5				8.1						71	
IND.																					
*D	100.0					99.6				100.0				100.0							97.2

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

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

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	4.4	4.8	91.7	91.7	32.4	32.3	100.3	98.8	33.6	33.3	100.9	100.3	9.7	9.8	99.0	98.0	92	90	102.2	107.0
C1	5.8	5.6	103.6	120.8	32.1	32.3	99.4	97.9	32.8	33.1	99.1	97.9	9.8	9.9	99.0	99.0	83	89	93.2	96.5
D1	4.7	4.6	102.2	97.9	32.3	32.2	100.3	98.5	33.4	33.4	100.0	99.7	8.9	9.2	96.7	89.9	92	94	97.9	107.0
E1	4.7	4.8	97.9	97.9	32.3	32.5	99.4	98.5	33.4	33.6	99.4	99.7	10.3	10.0	103.0	104.0	82	82	100.0	95.3
J1	5.0	4.9	102.0	104.2	33.4	32.8	101.8	101.8	34.4	33.8	101.8	102.7	9.9	10.2	97.0	100.0	80	79	101.3	93.0
K1		3.7				31.9				33.2				9.8				93		
L1		3.9				33.1				33.2				9.7				82		
M1		5.2				32.7				33.6				9.2				89		
O1	4.2	4.4	95.4	87.5	33.3	33.1	100.6	101.5	33.5	33.3	100.6	100.0	9.9	9.6	103.1	100.0	80	81	98.8	93.0
Q1		4.9				32.2				33.2				10.9				82		
S1		5.0				33.0				33.9				10.4				88		
T1		5.3				32.6				33.5				10.2				93		
U1	6.0	6.2	96.8	125.0	32.9	32.9	100.0	100.3	33.0	33.0	100.0	98.5	9.8	9.6	102.1	99.0	79	82	96.3	91.9
V1		4.6				33.6				33.7				10.3				81		
W1	1.8	2.2	81.8	37.5	32.2	32.4	99.4	98.2	34.3	34.4	99.7	102.4	9.9	10.6	93.4	100.0	91	82	111.0	105.8
X1	6.2	6.0	103.3	129.2	34.0	34.0	100.0	103.6	34.6	34.7	99.7	103.3	10.1	10.2	99.0	102.0	79	79	100.0	91.9
Y1	4.3	3.9	110.2	89.6	32.4	32.1	100.9	98.8	33.6	33.5	100.3	100.3	9.9	10.1	98.0	100.0	94	90	104.4	109.3
A2		5.1				33.2				33.3				9.2				87		
D2	6.5	6.2	104.8	135.4	32.8	32.8	100.0	100.0	33.3	33.4	99.7	99.4	9.4	9.5	98.9	94.9	79	81	97.5	91.9
E2	6.3	6.0	105.0	131.2	32.5	32.4	100.3	99.1	33.0	33.0	100.0	98.5	9.5	9.8	96.9	96.0	83	89	93.2	96.5
F2	2.2	3.8	57.9	45.8	32.2	33.0	97.6	98.2	34.2	33.9	100.9	102.1	9.6	9.8	98.0	97.0	90	84	107.1	104.6
I2	3.8	3.9	97.4	79.2	33.1	33.3	99.4	100.9	34.5	34.7	99.4	103.0	9.0	9.6	93.8	90.9	80	78	102.6	93.0
J2	6.2	6.3	98.4	129.2	33.4	33.1	100.9	101.8	33.5	33.2	100.9	100.0	9.1	9.3	97.8	91.9	83	83	100.0	96.5
K2	2.7	2.8	96.4	56.2	32.0	32.0	100.0	97.6	33.8	33.7	100.3	100.9	9.3	9.6	96.9	93.9	88	91	96.7	102.3
L2	4.4	4.8	91.7	91.7	32.6	32.6	100.0	99.4	33.8	33.6	100.6	100.9	9.4	9.6	97.9	94.9	87	88	98.9	101.2
M2	5.0	4.9	102.0	104.2	32.5	32.4	100.3	99.1	33.5	33.4	100.3	100.0	10.9	10.9	100.0	110.1	94	95	98.9	109.3
P2	4.2	4.1	102.4	87.5	33.9	34.0	99.7	103.4	34.0	34.1	99.7	101.5	10.4	10.1	103.0	105.0	82	83	98.8	95.3
R2	4.9	5.2	94.2	102.1	32.5	32.6	99.7	99.1	33.5	33.6	99.7	100.0	10.1	10.0	101.0	102.0	80	85	94.1	93.0
Y2		5.6				33.5				33.8				10.1				91		
Z2	3.1	3.1	100.0	64.6	33.3	33.4	99.7	101.5	33.6	33.7	99.7	100.3	10.2	9.8	104.1	103.0	76	80	95.0	88.4
C3	4.8	4.8	100.0	100.0	33.0	33.1	99.7	100.6	33.1	33.2	99.7	98.8	9.9	9.9	100.0	100.0	86	86	100.0	100.0
D3	5.8	5.7	101.8	120.8	33.2	33.2	100.0	101.2	33.3	33.3	100.0	99.4					83	85	97.6	96.5
FKBG DATA																				
CUR. AV.	4.6				32.8				33.6				9.8				84			
CUM. AV.	4.8				32.8				33.5				9.9				86			
IND. *D	95.8				100.0				100.3				99.0				97.7			

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, 1979

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	4.1	4.7	87.2	85.4	32.5	32.2	100.9	99.1	33.8	33.3	101.5	100.6	9.9	9.8	101.0	100.0	94	91	103.3	109.3
C1	5.5	5.6	98.2	114.6	32.0	32.3	99.1	97.6	32.8	33.1	99.1	97.6	9.4	9.9	94.9	94.9	88	88	100.0	102.3
D1	4.5	4.6	97.8	93.8	32.2	32.2	100.0	98.2	33.4	33.4	100.0	99.4	9.0	9.2	97.8	90.9	92	94	97.9	107.0
E1	5.0	4.8	104.2	104.2	32.4	32.5	99.7	98.8	33.4	33.6	99.4	99.4	10.2	10.1	101.0	103.0	77	81	95.1	89.5
F1	6.1		127.1		32.7			99.7	32.8			97.6	9.6			97.0	83			96.5
J1	5.0	4.9	102.0	104.2	32.5	32.9	98.8	99.1	33.5	33.9	98.8	99.7	9.7	10.1	96.0	98.0	78	79	98.7	90.7
K1	3.5	3.6	97.2	72.9	31.7	31.9	99.4	96.6	33.2	33.3	99.7	98.8	9.4	9.8	95.9	94.9	96	94	102.1	111.6
L1		3.9				33.1				33.2			9.7					82		
M1		5.2				32.7				33.6			9.2					89		
O1	4.1	4.4	93.2	85.4	33.2	33.2	100.0	101.2	33.4	33.4	100.0	99.4	9.7	9.6	101.0	98.0	84	81	103.7	97.7
Q1	4.3	4.9	87.8	89.6	31.9	32.2	99.1	97.2	33.1	33.2	99.7	98.5	10.5	10.9	96.3	106.1	84	82	102.4	97.7
S1	4.9	5.0	98.0	102.1	33.0	33.0	100.0	100.6	34.0	33.9	100.3	101.2	10.1	10.4	97.1	102.0	91	88	103.4	105.8
T1		5.3				32.6				33.5			10.2					93		
U1	6.1	6.2	98.4	127.1	32.9	32.9	100.0	100.3	33.0	33.0	100.0	98.2	10.0	9.7	103.1	101.0	80	82	97.6	93.0
V1		4.6				33.5				33.6			10.3					81		
W1	1.7	2.2	77.3	35.4	31.9	32.4	98.4	97.2	34.0	34.4	98.8	101.2	10.3	10.5	98.1	104.0	97	83	116.9	112.8
X1	6.3	6.0	105.0	131.2	34.0	34.0	100.0	103.6	34.5	34.6	99.7	102.7	9.7	10.2	95.1	98.0	78	79	98.7	90.7
Y1	4.4	4.0	110.0	91.7	32.1	32.1	100.0	97.9	33.3	33.5	99.4	99.1	10.3	10.0	103.0	104.0	84	90	93.3	97.7
A2		5.1				33.2				33.3			9.2					87		
D2	6.5	6.2	104.8	135.4	32.8	32.8	100.0	100.0	33.3	33.4	99.7	99.1	9.3	9.6	96.9	93.9	81	81	100.0	94.2
E2	6.0	6.1	98.4	125.0	32.5	32.4	100.3	99.1	33.2	33.0	100.6	98.8	9.1	9.7	93.8	91.9	83	88	94.3	96.5
F2		3.3				32.7				34.0			9.8					86		
I2	3.6	3.9	92.3	75.0	33.1	33.3	99.4	100.9	34.6	34.7	99.7	103.0	9.5	9.5	100.0	96.0	79	79	100.0	91.9
J2	6.1	6.3	96.8	127.1	33.3	33.1	100.6	101.5	33.4	33.2	100.6	99.4	9.6	9.3	103.2	97.0	83	83	100.0	96.5
K2	2.6	2.7	96.3	54.2	31.8	32.0	99.4	97.0	33.6	33.7	99.7	100.0	9.3	9.6	96.9	93.9	97	91	106.6	112.8
L2	4.2	4.8	87.5	87.5	32.5	32.6	99.7	99.1	33.8	33.6	100.6	100.6	9.5	9.6	99.0	96.0	83	88	94.3	96.5
M2	5.0	5.0	100.0	104.2	32.5	32.4	100.3	99.1	33.5	33.4	100.3	99.7	11.8	10.9	108.2	119.2	90	95	94.7	104.6
P2	4.4	4.1	107.3	91.7	33.7	34.0	99.1	102.7	33.8	34.1	99.1	100.6	10.3	10.2	101.0	104.0	83	83	100.0	96.5
R2	5.0	5.1	98.0	104.2	32.4	32.6	99.4	98.8	33.4	33.6	99.4	99.4	9.4	10.0	94.0	94.9	80	84	95.2	93.0
X2	6.1		127.1		33.6			102.4	34.2			101.8	11.1			112.1	77			89.5
Y2	5.5	5.6	98.2	114.6	33.5	33.5	100.0	102.1	33.8	33.8	100.0	100.6	9.5	10.1	94.0	96.0	97	91	106.6	112.8
Z2	3.5	3.1	112.9	72.9	33.3	33.4	99.7	101.5	33.6	33.7	99.7	100.0	10.1	9.9	102.0	102.0	78	79	98.7	90.7
C3	5.0	4.8	104.2	104.2	33.1	33.1	100.0	100.9	33.2	33.2	100.0	98.8	9.8	9.9	99.0	99.0	85	86	98.8	98.8
D3	5.8	5.7	101.8	120.8	33.2	33.2	100.0	101.2	33.3	33.3	100.0	99.1					84	85	98.8	97.7
FKBG DATA																				
CUR.																				
AV. 4.8																				
CUM.																				
AV. 4.8																				
IND.																				
*D 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, 1979

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	4.8	4.7	102.1	100.0	32.2	32.3	99.7	98.2	33.3	33.4	99.7	99.1	9.7	9.8	99.0	98.0	98	91	107.7	114.0
C1	5.4	5.6	96.4	112.5	32.3	32.3	100.0	98.5	33.1	33.1	100.0	98.5	9.6	9.8	98.0	97.0	84	88	95.4	97.7
D1	4.5	4.6	97.8	93.8	32.1	32.2	99.7	97.9	33.3	33.4	99.7	99.1	9.5	9.2	103.3	96.0	87	94	92.6	101.2
E1	5.0	4.8	104.2	104.2	32.5	32.5	100.0	99.1	33.5	33.5	100.0	99.7	10.3	10.1	102.0	104.0	79	80	98.8	91.9
F1		6.1				32.7				32.8				9.6			83			
J1	4.8	4.9	98.0	100.0	32.8	32.8	100.0	100.0	33.9	33.9	100.0	100.9	10.0	10.0	100.0	101.0	76	79	96.2	88.4
K1	3.9	3.6	108.3	81.2	31.8	31.9	99.7	97.0	33.1	33.2	99.7	98.5	10.2	9.7	105.2	103.0	96	94	102.1	111.6
L1	3.5	3.9	89.7	72.9	33.0	33.1	99.7	100.6	33.1	33.2	99.7	98.5	9.8	9.7	101.0	99.0	88	82	107.3	102.3
M1	5.5	5.2	105.8	114.6	32.6	32.7	99.7	99.4	33.4	33.6	99.4	99.4	9.2	9.2	100.0	92.9	85	89	95.5	98.8
O1	4.7	4.3	109.3	97.9	33.5	33.2	100.9	102.1	33.7	33.4	100.9	100.3	9.1	9.6	94.8	91.9	91	81	112.3	105.8
Q1	4.8	4.7	102.1	100.0	32.2	32.1	100.3	98.2	33.3	33.2	100.3	99.1	10.8	10.8	100.0	109.1	84	82	102.4	97.7
S1	5.2	5.0	104.0	108.3	32.9	33.0	99.7	100.3	33.8	33.9	99.7	100.6	10.0	10.3	97.1	101.0	81	89	91.0	94.2
T1		5.0				32.6				33.6				10.0			93			
U1	6.1	6.1	100.0	127.1	32.9	32.9	100.0	100.3	33.0	33.0	100.0	98.2	10.1	9.7	104.1	102.0	80	82	97.6	93.0
V1		4.6				33.6				33.7				10.4			81			
W1	2.0	2.1	95.2	41.7	32.0	32.4	98.8	97.6	34.0	34.4	98.8	101.2	10.1	10.5	96.2	102.0	88	84	104.8	102.3
X1	6.3	6.1	103.3	131.2	33.9	34.0	99.7	103.4	34.4	34.6	99.4	102.4	10.2	10.2	100.0	103.0	78	79	98.7	90.7
Y1	4.1	4.1	100.0	85.4	32.3	32.2	100.3	98.5	33.6	33.4	100.6	100.0	10.4	10.0	104.0	105.0	91	90	101.1	105.8
A2		5.1				33.2				33.3				9.2			87			
D2	6.4	6.2	103.2	133.3	32.8	32.8	100.0	100.0	33.3	33.4	99.7	99.1	9.3	9.6	96.9	93.9	80	81	98.8	93.0
E2	6.3	6.1	103.3	131.2	32.6	32.4	100.6	99.4	33.1	33.0	100.3	98.5	9.2	9.7	94.8	92.9	84	87	96.6	97.7
F2		3.3				32.7				34.0				9.8			86			
I2	3.8	3.8	100.0	79.2	33.0	33.3	99.1	100.6	34.4	34.7	99.1	102.4	9.3	9.5	97.9	93.9	75	79	94.9	87.2
J2	6.2	6.2	100.0	129.2	33.1	33.2	99.7	100.9	33.2	33.2	100.0	98.8	9.1	9.3	97.8	91.9	81	83	97.6	94.2
K2		2.7				32.0				33.7				9.6			92			
L2	4.0	4.7	85.1	83.3	32.3	32.6	99.1	98.5	33.6	33.6	100.0	100.0	9.8	9.6	102.1	99.0	85	88	96.6	98.8
M2	5.2	5.0	104.0	108.3	32.6	32.5	100.3	99.4	33.5	33.5	100.0	99.7	10.4	11.0	94.5	105.0	90	94	95.7	104.6
P2	4.8	4.2	114.3	100.0	34.3	33.9	101.2	104.6	34.4	34.0	101.2	102.4	11.2	10.2	109.8	113.1	80	83	96.4	93.0
R2	5.0	5.1	98.0	104.2	32.8	32.6	100.6	100.0	33.8	33.5	100.9	100.6	9.5	9.9	96.0	96.0	85	84	101.2	98.8
X2	6.0	6.1	98.4	125.0	33.7	33.6	100.3	102.7	34.4	34.2	100.6	102.4	11.2	11.1	100.9	113.1	78	77	101.3	90.7
Y2	5.4	5.6	96.4	112.5	33.4	33.5	99.7	101.8	33.7	33.8	99.7	100.3	9.6	10.0	96.0	97.0	91	92	98.9	105.8
Z2	3.2	3.2	100.0	66.7	32.8	33.4	98.2	100.0	33.1	33.7	98.2	98.5	10.2	9.9	103.0	103.0	82	79	103.8	95.3
C3	5.0	4.8	104.2	104.2	33.2	33.1	100.3	101.2	33.3	33.2	100.3	99.1	9.9	9.9	100.0	100.0	88	87	101.1	102.3
D3	5.8	5.7	101.8	120.8	33.3	33.2	100.3	101.5	33.4	33.3	100.3	99.4					88	85	103.5	102.3
FKBG DATA																				
CUR. AV.	4.9				32.8				33.6				9.9				85			
CUM. AV.	4.8				32.8				33.6				9.9				86			
IND. *D	102.1				100.0				100.0				100.0				98.8			

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, 1979

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	4.4	4.8	91.7	84.6	37.0	37.2	99.5	97.9	38.4	38.4	100.0	99.7	11.3	11.2	100.9	102.7	98	98	100.0	101.0
C1	6.2	5.9	105.1	119.2	37.1	37.4	99.2	98.1	37.7	38.1	99.0	97.9	11.4	11.2	101.8	103.6	99	99	100.0	102.1
D1	5.1	4.9	104.1	98.1	37.2	37.1	100.3	98.4	38.3	38.2	100.3	99.5	10.6	10.4	101.9	96.4	104	102	102.0	107.2
E1	4.9	4.8	102.1	94.2	37.1	37.3	99.5	98.1	38.3	38.6	99.2	99.5	11.5	11.4	100.9	104.5	92	93	98.9	94.8
J1		4.9				37.7				38.9				11.4				89		
K1		4.4				36.9				38.2								106		
L1	4.2	5.2	80.8	80.8	38.0	38.0	100.0	100.5	38.1	38.1	100.0	99.0	11.2	11.2	100.0	101.8	102	105	97.1	105.2
N1		5.4				38.2				38.3				11.5				102		
O1	4.6	4.9	93.9	88.5	38.2	38.2	100.0	101.0	38.4	38.4	100.0	99.7	10.6	10.8	98.1	96.4	94	94	100.0	96.9
S1	4.8	5.2	92.3	92.3	37.9	38.0	99.7	100.3	39.2	39.1	100.2	101.8	11.8	11.6	101.7	107.3	94	96	97.9	96.9
T1		5.2				37.8				38.9				11.8				102		
U1	6.4	6.6	97.0	123.1	37.9	37.9	100.0	100.3	38.0	38.0	100.0	98.7	10.8	10.6	101.9	98.2	91	92	98.9	93.8
V1	5.1	5.0	102.0	98.1	38.8	38.6	100.5	102.6	38.9	38.6	100.8	101.0	10.9	11.1	98.2	99.1	95	96	99.0	97.9
Y1	5.5	4.9	112.2	105.8	37.6	37.3	100.8	99.5	38.5	38.5	100.0	100.0	11.4	10.9	104.6	103.6	100	101	99.0	103.1
A2	5.2	5.6	92.8	100.0	38.5	38.4	100.3	101.8	38.6	38.5	100.2	100.2	10.1	10.4	97.1	91.8	94	97	96.9	96.9
B2	5.0	5.0	100.0	96.2	37.4	37.5	99.7	98.9	38.5	38.6	99.7	100.0	10.7	10.7	100.0	97.3	105	98	107.1	108.2
C2		6.0				38.2				38.9				11.8				93		
D2	6.6	6.1	108.2	126.9	37.6	37.6	100.0	99.5	38.1	38.3	99.5	99.0	10.7	10.6	100.9	97.3	91	92	98.9	93.8
I2		4.7				37.7				39.0				10.2				89		
K2	2.8	3.0	93.3	53.8	36.8	36.3	101.4	97.4	38.8	38.1	101.8	100.8	10.8	10.2	105.9	98.2	106	106	100.0	109.3
L2	5.2	5.3	98.1	100.0	37.5	37.6	99.7	99.2	38.6	38.6	100.0	100.2	10.8	11.2	96.4	98.2	98	98	100.0	101.0
M2	6.2	5.8	106.9	119.2	37.9	37.7	100.5	100.3	38.5	38.5	100.0	100.0	11.6	11.2	103.6	105.4	103	107	96.3	106.2
P2		4.5				39.0				39.1				10.5				98		
R2		5.0				37.6				38.7				10.8				99		
U2	4.8	4.8	100.0	92.3	38.0	38.4	99.0	100.5	38.1	38.4	99.2	99.0	10.0	10.5	95.2	90.9	98	101	97.0	101.0
W2		5.6				37.6				38.5				11.3				102		
Y2	5.4	5.6	96.4	103.8	38.5	38.5	100.0	101.8	38.8	38.9	99.7	100.8	10.3	10.9	94.5	93.6	99	98	101.0	102.1
A3		3.2				37.9				39.8				10.3				100		
C3	5.2	5.2	100.0	100.0	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.5	11.1	11.2	99.1	100.9	95	96	99.0	97.9
D3	5.8	5.7	101.8	111.5	38.1	38.1	100.0	100.8	38.2	38.2	100.0	99.2					90	93	96.8	92.8
FKBG DATA																				
CUR.																				
AV.	5.2					37.8				38.4				10.9				97		
CUM.																				
AV.	5.2					37.8				38.5				11.0				97		
IND.																				
*D	100.0					100.0				99.7				99.1				100.0		

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, 1979

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	5.0	4.8	104.2	94.3	37.4	37.2	100.5	98.9	38.5	38.4	100.3	100.0	11.4	11.2	101.8	104.6	98	98	100.0	101.0
C1	6.6	5.9	111.9	124.5	37.4	37.3	100.3	98.9	37.9	38.1	99.5	98.4	11.0	11.2	98.2	100.9	99	98	101.0	102.1
D1	5.0	5.0	100.0	94.3	37.4	37.1	100.8	98.9	38.5	38.2	100.8	100.0	10.3	10.5	98.1	94.5	105	102	102.5	108.2
E1	5.1	4.8	106.2	96.2	37.3	37.3	100.0	98.7	38.4	38.5	99.7	99.7	11.5	11.4	100.9	105.5	93	93	100.0	95.9
J1	4.8	4.8	100.0	90.6	37.6	37.7	99.7	99.5	38.8	38.9	99.7	100.8	11.1	11.4	97.4	101.8	88	89	98.9	90.7
K1		4.4				36.9				38.2									106	
L1		5.1				38.0				38.1				11.2					104	
N1		5.4				38.2				38.3				11.5					101	
O1	4.4	4.8	91.7	83.0	38.2	38.2	100.0	101.0	38.4	38.4	100.0	99.7	11.2	10.8	103.7	102.8	94	94	100.0	96.9
S1	4.9	5.1	96.1	92.4	38.0	38.0	100.0	100.5	39.2	39.1	100.2	101.8	12.1	11.7	103.4	111.0	97	96	101.0	100.0
T1		5.3				37.9				38.9				11.4					111	
U1	6.5	6.6	98.5	122.6	37.9	37.9	100.0	100.3	38.0	38.0	100.0	98.7	11.2	10.5	106.7	102.8	91	92	98.9	93.8
V1		5.0				38.6				38.7				11.1					96	
Y1	5.6	5.0	112.0	105.7	37.4	37.4	100.0	98.9	38.3	38.5	99.5	99.5	11.4	10.9	104.6	104.6	100	101	99.0	103.1
A2	5.3	5.6	94.6	100.0	38.3	38.4	99.7	101.3	38.4	38.5	99.7	99.7	10.3	10.4	99.0	94.5	95	97	97.9	97.9
B2	5.8	4.9	118.4	109.4	37.5	37.4	100.3	99.2	38.3	38.6	99.2	99.5	10.7	10.7	100.0	98.2	98	98	100.0	101.0
C2	5.9	6.1	96.7	111.3	37.6	38.2	98.4	99.5	38.4	38.9	98.7	99.7	11.5	11.9	96.6	105.5	97	93	104.3	100.0
D2	6.6	6.2	106.4	124.5	37.6	37.6	100.0	99.5	38.1	38.3	99.5	99.0	10.4	10.7	97.2	95.4	92	91	101.1	94.8
I2	4.1	4.8	85.4	77.4	37.4	37.8	98.9	98.9	38.9	39.0	99.7	101.0	10.1	10.3	98.0	92.7	89	88	101.1	91.8
K2	2.9	3.0	96.7	54.7	36.1	36.5	98.9	95.5	38.0	38.4	99.0	98.7	10.6	10.3	102.9	97.2	98	107	91.6	101.0
L2	4.8	5.3	90.6	90.6	37.5	37.6	99.7	99.2	38.7	38.6	100.2	100.5	11.1	11.1	100.0	101.8	95	98	96.9	97.9
M2	6.3	5.8	108.6	118.9	37.8	37.7	100.3	100.0	38.4	38.5	99.7	99.7	12.0	11.3	106.2	110.1	102	106	96.2	105.2
P2	4.8	4.5	106.7	90.6	38.9	39.0	99.7	102.9	39.0	39.1	99.7	101.3	11.2	10.5	106.7	102.8	96	98	98.0	99.0
R2		5.0				37.6				38.7				10.8					99	
U2	4.7	4.8	97.9	88.7	37.9	38.3	99.0	100.3	38.0	38.4	99.0	98.7	9.7	10.4	93.3	89.0	103	101	102.0	106.2
W2		5.7				37.6				38.4				11.2					104	
Y2		5.6				38.5				38.8				10.8					98	
A3		3.4				37.6				39.4				10.3					98	
C3	5.1	5.2	98.1	96.2	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.5	11.0	11.2	98.2	100.9	98	97	101.0	101.0
D3	5.8	5.7	101.8	109.4	38.0	38.1	99.7	100.5	38.1	38.2	99.7	99.0					93	93	100.0	95.9
FKBG DATA																				
CUR.																				
AV.	5.2					37.7				38.4				11.0					96	
CUM.																				
AV.	5.3					37.8				38.5				10.9					97	
IND.																				
*D	98.1					99.7				99.7				100.9					99.0	

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

TABLE IX  
AVERAGES OF ROUTINE MILL QUALITY CONTRCL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD  
SEPTEMBER, 1979

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	4.8	4.8	100.0	90.6	37.0	37.2	99.5	97.9	38.2	38.4	99.5	99.2	11.0	11.3	97.3	100.0	103	98	105.1	106.2
C1	6.8	6.0	113.3	128.3	37.5	37.3	100.5	99.2	37.9	38.0	99.7	98.4	10.9	11.2	97.3	99.1	96	98	98.0	99.0
D1	5.2	5.0	104.0	98.1	37.1	37.1	100.0	98.1	38.1	38.2	99.7	99.0	10.7	10.5	101.9	97.3	100	103	97.1	103.1
E1	5.0	4.8	104.2	94.3	37.2	37.3	99.7	98.4	38.3	38.5	99.5	99.5	11.6	11.4	101.8	105.4	92	92	100.0	94.8
J1		4.8				37.7				38.9				11.4				89		
K1		4.4				36.9				38.2								106		
L1	4.3	5.1	84.3	81.1	38.1	38.0	100.3	100.8	38.2	38.1	100.3	99.2	11.0	11.2	98.2	100.0	101	104	97.1	104.1
N1		5.4				38.3				38.4				11.4				99		
O1	4.9	4.8	102.1	92.4	38.1	38.2	99.7	100.8	38.3	38.4	99.7	99.5	10.7	10.8	99.1	97.3	100	94	106.4	103.1
S1		5.1				38.0				39.1				11.7				96		
T1		5.3				37.9				38.9				11.4				111		
U1	6.8	6.5	104.6	128.3	38.0	37.9	100.3	100.5	38.1	38.0	100.3	99.0	11.0	10.6	103.8	100.0	89	92	96.7	91.8
V1	4.8	4.9	98.0	90.6	39.3	38.6	101.8	104.0	39.4	38.7	101.8	102.3	11.5	11.1	103.6	104.5	95	96	99.0	97.9
Y1	5.1	5.1	100.0	96.2	37.5	37.4	100.3	99.2	38.6	38.5	100.2	100.2	11.6	11.0	105.4	105.4	104	101	103.0	107.2
A2	5.1	5.5	92.7	96.2	38.3	38.3	100.0	101.3	38.4	38.4	100.0	99.7	10.6	10.4	101.9	96.4	98	96	102.1	101.0
B2	5.5	5.0	110.0	103.8	37.5	37.4	100.3	99.2	38.4	38.5	99.7	99.7	10.8	10.7	100.9	98.2	97	99	98.0	100.0
C2	6.3	6.1	103.3	118.9	37.8	38.2	99.0	100.0	38.4	38.9	98.7	99.7	11.9	11.8	100.8	108.2	94	93	101.1	96.9
D2	6.1	6.2	98.4	115.1	37.5	37.6	99.7	99.2	38.2	38.2	100.0	99.2	10.4	10.6	98.1	94.5	93	91	102.2	95.9
I2	3.8	4.8	79.2	71.7	37.9	37.7	100.5	100.3	39.5	38.9	101.5	102.6	10.0	10.3	97.1	90.9	87	88	98.9	89.7
K2		3.0				36.3				38.2				10.3				106		
L2	5.1	5.3	96.2	96.2	37.7	37.6	100.3	99.7	38.8	38.6	100.5	100.8	11.3	11.1	101.8	102.7	96	97	99.0	99.0
M2	6.1	5.9	103.4	115.1	37.7	37.7	100.0	99.7	38.4	38.5	99.7	99.7	11.2	11.4	98.2	101.8	100	106	94.3	103.1
P2	4.6	4.6	100.0	86.8	38.7	39.0	99.2	102.4	38.8	39.0	99.5	100.8	12.4	10.8	114.8	112.7	97	97	100.0	100.0
R2		5.0				37.6				38.7				10.8				99		
U2	4.8	4.8	100.0	90.6	38.2	38.2	100.0	101.0	38.3	38.4	99.7	99.5	9.8	10.3	95.1	89.1	103	101	102.0	106.2
#2		5.8				37.6				38.4				11.2				105		
Y2	5.7	5.6	101.8	107.5	38.5	38.4	100.3	101.8	38.8	38.8	100.0	100.8	10.3	10.8	95.4	93.6	98	97	101.0	101.0
A3		3.5				37.5				39.2				10.1				98		
C3	5.3	5.2	101.9	100.0	38.4	38.2	100.5	101.6	38.5	38.3	100.5	100.0	11.5	11.2	102.7	104.5	100	97	103.1	103.1
D3	5.8	5.7	101.8	109.4	38.1	38.1	100.0	100.8	38.2	38.2	100.0	99.2					93	93	100.0	95.9
FKBG DATA																				
CUR.																				
AV. 5.3																				
CUM.																				
AV. 5.3																				
IND.																				
#D 100.0																				
100.3																				
100.0																				
100.0																				
100.0																				

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 LINE#BOARD  
JULY, 1979

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.	FACT. #8	IND. #C	CUR. AV.	FACT. #8	IND. #C	CUR. AV.	FACT. #8	IND. #C	CUR. AV.	FACT. #8	IND. #C	CUR. AV.	FACT. #8	IND. #C					
A1	6.0	101.7	113.0	42.6	42.2	100.9	102.2	43.4	43.0	100.9	102.4	12.4	12.4	102.4	105.0	98	99	0.0	0.0	
B1	4.8	5.1	94.1	80.9	40.9	41.2	99.3	98.1	42.2	42.4	99.5	99.5	12.6	12.3	102.4	105.0	105	106	99.0	100.0
C1	6.0	113.3	125.9	41.4	41.3	100.2	99.3	41.9	42.0	99.8	98.8	12.6	12.2	103.3	105.0	104	107	97.2	99.0	
D1	5.3	5.0	106.0	98.1	41.3	41.0	100.7	99.0	42.4	42.3	100.2	100.0	12.0	11.6	103.4	105.0	107	109	98.2	101.9
E1	5.0	4.9	102.0	92.6	41.1	41.2	99.8	98.6	42.3	42.4	99.8	99.8	12.5	12.4	100.8	104.2	102	101	101.0	97.1
G1	5.2	5.6	103.6	107.4	41.4	41.2	100.5	99.3	42.3	42.2	100.2	99.8	11.8	11.5	102.6	98.3	105	103	101.9	100.0
H1	5.2	5.0	104.0	96.3	42.1	41.6	101.2	101.0	43.3	42.8	101.2	102.1	12.4	12.5	99.2	103.3	95	97	99.0	91.4
J1	5.1	4.9	104.1	94.4	40.9	40.9	100.0	98.1	42.1	42.2	99.8	99.3	12.2	12.1	100.6	101.7	112	108	103.7	106.7
K1	5.4	5.4	101.7	109.2	41.5	41.5	100.0	99.5	42.4	42.4	100.0	100.0	11.9	11.7	101.7	99.2	103	103	100.0	98.1
M1	5.9	5.4	101.8	101.8	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.3	12.8	12.4	103.2	106.7	106	107	99.1	101.0
N1	4.8	5.0	96.0	88.9	42.4	42.2	100.5	101.7	42.6	42.4	100.5	100.5	11.7	12.0	97.5	97.5	104	106	98.1	99.0
O1	5.1	5.1	100.0	94.4	41.4	41.6	99.5	99.3	42.6	42.4	99.5	100.5	11.9	11.9	103.5	99.2	108	115	102.8	102.8
R1	5.2	5.6	92.8	96.3	40.8	41.3	98.8	97.8	41.9	42.3	99.0	98.8	11.7	12.8	91.4	97.5	109	111	98.2	103.8
T1	6.7	6.6	101.5	124.1	41.9	41.9	100.0	100.5	42.0	42.0	100.0	99.0	11.8	11.8	99.2	97.5	103	105	104	101.0
U1	5.1	5.3	96.2	94.4	42.3	42.3	100.0	101.4	42.4	42.4	100.0	100.0	11.8	12.1	97.5	98.3	105	104	101.0	100.0
V1	5.7	5.6	101.8	105.6	41.6	41.5	100.2	99.8	42.6	42.5	100.2	100.5	12.7	13.0	97.7	105.8	104	102	102.0	99.0
W1	6.2	5.1	121.6	114.8	41.8	41.3	101.2	100.2	42.5	42.5	100.0	100.2	12.2	12.1	100.8	101.7	110	109	100.9	104.8
Z1	3.8	4.3	88.4	70.4	42.3	42.2	100.2	101.4	42.5	42.4	100.2	100.2	12.0	11.9	100.8	106.0	106	106	100.0	101.0
A2	5.9	6.0	98.3	109.2	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	11.8	11.9	99.2	98.3	102	104	98.1	97.1
B2	5.8	5.4	107.4	107.4	41.3	41.2	100.2	99.0	42.2	42.3	99.8	99.5	11.8	11.6	101.7	98.3	106	104	101.9	101.0
C2	5.8	6.2	93.5	107.4	41.5	41.8	99.3	99.5	42.4	42.5	99.8	100.0	12.3	12.8	96.1	102.5	102	102	100.0	97.1
D2	6.1	6.4	95.3	113.0	41.4	41.4	100.0	99.3	42.1	42.1	100.0	99.3	11.6	11.4	101.8	96.7	101	102	99.0	96.2
E2	6.4	6.4	100.0	118.5	41.5	41.4	100.2	99.5	42.1	42.0	100.2	99.3	12.1	12.3	98.4	100.8	104	104	100.0	99.0
F2	5.1	5.8	87.9	94.4	41.3	41.6	99.3	99.0	42.5	42.5	100.0	101.2	11.9	12.1	98.3	99.2	103	104	99.0	98.1
G2	5.3	5.1	103.9	98.1	41.8	41.9	99.8	100.2	42.9	43.1	99.5	101.2	12.2	12.5	97.6	101.7	96	97	99.0	91.4
H2	5.9	6.0	98.3	109.2	41.4	41.6	99.5	99.3	41.4	41.6	99.5	97.6	12.5	12.1	103.3	104.2	103	102	101.0	98.1
J2	5.7	5.4	105.6	105.6	41.3	41.4	99.8	99.0	42.2	42.5	99.3	99.5	11.1	11.2	98.1	92.5	97	99	98.0	92.4
K2	6.3	6.4	88.4	116.7	42.0	41.9	100.2	100.7	42.1	42.0	100.2	99.3	11.4	11.6	98.3	95.0	102	102	100.0	97.1
JZ	3.4	3.8	89.5	63.0	40.7	41.0	99.3	97.6	42.7	42.8	99.8	100.7	11.5	11.5	100.8	99.8	115	115	95.6	104.8
L2	5.1	5.3	96.2	94.4	41.3	41.5	99.5	99.0	42.5	42.6	99.8	100.2	11.9	12.2	97.5	98.2	107	107	100.0	101.9
M2	6.8	6.6	103.0	125.9	42.0	41.8	100.5	100.7	42.5	42.4	100.2	100.2	12.8	12.6	101.6	106.7	110	114	96.5	104.8
O2	5.2	4.8	103.0	125.9	42.0	41.6	100.5	100.7	42.5	42.4	100.2	100.2	12.8	12.6	101.6	106.7	110	114	96.5	104.8
P2	4.8	4.8	103.0	125.9	42.0	41.6	100.5	100.7	42.5	42.4	100.2	100.2	12.8	12.6	101.6	106.7	110	114	96.5	104.8
Q2	6.2	5.8	94.8	101.8	41.4	41.6	99.5	99.3	42.4	42.5	99.8	100.0	12.3	12.2	100.8	102.5	102	103	99.0	97.1
R2	5.5	5.8	80.0	51.8	41.0	41.3	99.3	98.3	43.2	43.2	100.0	101.9	12.4	12.3	100.8	103.3	108	108	100.0	102.8
T2	4.7	4.9	95.9	87.0	41.9	42.1	99.5	100.5	42.0	42.2	99.5	99.0	11.0	11.5	95.6	91.7	113	106	106.6	107.6
U2	5.6	5.7	98.2	103.7	41.4	41.6	99.5	99.3	42.4	42.6	99.5	100.0	11.5	12.2	94.3	95.8	104	103	101.0	99.0
V2	6.0	5.8	103.4	111.1	41.7	41.6	100.2	100.0	42.5	42.5	100.0	100.2	11.8	12.3	95.9	98.3	111	111	104.5	110.5
W2	5.7	5.7	100.0	105.6	42.4	42.5	99.8	101.7	42.8	42.9	99.8	100.9	12.0	11.9	100.8	105.0	110	109	100.9	104.8
Z2	3.9	3.6	108.3	72.2	42.1	42.6	98.8	101.0	42.5	43.0	98.8	100.2	12.8	12.7	100.8	106.7	99	99	100.0	94.3
A3	5.4	4.5	120.0	100.0	41.4	41.1	100.7	99.3	42.5	42.5	100.0	100.2	11.0	11.0	100.0	91.7	104	103	101.0	99.0
B3	6.2	5.4	101.9	100.0	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.4	12.4	100.0	103.3	103	104	99.0	98.1
C3	5.9	5.7	103.5	109.2	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	102	102	100.0	97.1	102	102	100.0	97.1
D3	6.7	7.1	94.4	124.1	42.0	42.0	100.0	100.7	42.1	42.0	100.2	99.3	11.1	11.7	94.9	92.5	100	103	97.1	95.2
E3	5.3	5.3	100.0	100.0	42.0	42.0	100.0	100.0	42.0	42.0	100.0	100.0	11.1	11.4	100.0	100.0	100	104	100.0	100.0

FKBG DATA  
CUR. AV. 5.4 41.6 42.4 105  
CUM. AV. 5.4 41.7 42.4 105  
IND. #D 100.0 99.8 100.0 100.0

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

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	6.1	6.1	100.0	113.0	42.4	42.2	100.5	101.7	43.2	43.0	100.5	101.9	12.8	12.5	102.4	106.7	98	99	99.0	93.3
B1	5.3	5.0	106.0	98.1	41.1	41.2	99.8	98.6	42.2	42.4	99.5	99.5	12.4	12.4	100.0	103.3	105	106	99.0	100.0
C1	6.8	6.0	113.3	125.9	41.2	41.3	99.8	98.8	41.7	42.0	99.3	98.3	12.3	12.2	100.8	102.5	103	107	96.3	98.1
D1	5.2	5.0	104.0	96.3	41.4	41.0	101.0	99.3	42.6	42.3	100.7	100.5	11.5	11.6	99.1	95.8	108	109	99.1	102.8
E1	5.0	4.9	102.0	92.6	41.2	41.2	100.0	98.8	42.4	42.4	100.0	100.0	12.5	12.5	100.0	104.2	102	101	101.0	97.1
G1		5.2				42.6				43.0				12.4				109		
H1	5.8	5.6	103.6	107.4	41.4	41.2	100.5	99.3	42.3	42.2	100.2	99.8	11.7	11.6	100.9	97.5	107	103	103.9	101.9
J1	4.9	5.0	98.0	90.7	41.5	41.6	99.8	99.5	42.8	42.9	99.8	100.9	12.3	12.5	98.4	102.5	96	97	99.0	91.4
K1	4.4	4.8	91.7	81.5	40.7	40.9	99.5	97.6	42.2	42.2	100.0	99.5	12.0	12.1	99.2	100.0	107	109	98.2	101.9
L1		5.4				42.2				42.3				12.4				109		
M1	6.4	5.8	110.3	118.5	41.7	41.5	100.5	100.0	42.3	42.4	99.8	99.8	11.1	11.8	94.1	92.5	103	103	100.0	98.1
N1	6.3	5.4	116.7	116.7	41.8	42.0	99.5	100.2	41.9	42.1	99.5	98.8	12.6	12.4	101.6	105.0	103	106	97.2	98.1
O1	4.7	4.9	95.9	87.0	42.0	42.2	99.5	100.7	42.2	42.4	99.5	99.5	11.8	11.9	99.2	98.3	105	105	100.0	100.0
P1		5.0				41.2				42.4				12.0				116		
R1	5.1	5.1	100.0	94.4	41.8	41.6	100.5	100.2	43.0	42.8	100.5	101.4	11.5	11.6	99.1	95.8	107	106	100.9	101.9
T1	4.1	5.6	73.2	75.9	41.2	41.3	99.8	98.8	42.8	42.2	101.4	100.9	11.7	12.7	92.1	97.5	124	110	112.7	118.1
U1	6.6	6.6	100.0	122.2	41.8	41.9	99.8	100.2	41.9	42.0	99.8	98.8	11.7	11.8	99.2	97.5	101	102	99.0	96.2
V1	5.3	5.3	100.0	98.1	42.3	42.3	100.0	101.4	42.4	42.4	100.0	100.0	12.1	12.0	100.8	100.8	104	104	100.0	99.0
W1	5.6	5.6	100.0	103.7	41.5	41.5	100.0	99.5	42.5	42.5	100.0	100.2	12.8	12.9	99.2	106.7	103	102	101.0	98.1
Y1	5.8	5.3	109.4	107.4	41.7	41.4	100.7	100.0	42.6	42.5	100.2	100.5	12.4	12.1	102.5	103.3	104	108	96.3	99.0
Z1	3.7	4.2	88.1	68.5	42.5	42.2	100.7	101.9	42.7	42.4	100.7	100.7	12.2	11.9	102.5	101.7	106	109	101.0	101.0
A2	5.8	6.0	96.7	107.4	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	11.9	11.8	100.8	99.2	102	104	98.1	97.1
B2	6.0	5.4	111.1	111.1	41.4	41.2	100.5	99.3	42.2	42.3	99.8	99.5	12.0	11.6	103.4	100.0	103	104	99.0	98.1
C2	6.3	6.2	101.6	116.7	41.8	41.8	100.0	100.2	42.5	42.5	100.0	100.2	12.0	12.7	94.5	100.0	103	102	101.0	98.1
D2	6.4	6.3	101.6	118.5	41.6	41.4	100.5	99.8	42.2	42.1	100.2	99.5	11.6	11.5	100.9	96.7	103	102	101.0	98.1
E2	6.8	6.4	106.2	125.9	41.6	41.4	100.5	99.8	42.1	42.0	100.2	99.3	12.2	12.2	100.0	101.7	100	104	96.2	95.2
F2	5.9	5.8	101.7	109.2	41.6	41.6	100.0	99.8	42.5	42.5	100.0	100.2	12.3	12.1	101.6	102.5	104	104	100.0	99.0
G2	5.1	5.2	98.1	94.4	41.6	41.9	99.3	99.8	42.8	43.0	99.5	100.9	11.9	12.4	96.0	99.2	95	97	97.9	90.5
H2		6.1				41.6				41.6				12.3				102		
I2	5.5	5.4	101.8	101.8	41.5	41.4	100.2	99.5	42.5	42.5	100.0	100.2	11.2	11.2	100.0	93.3	98	99	99.0	93.3
J2	6.4	6.4	100.0	118.5	42.0	41.9	100.2	100.7	42.1	42.0	100.2	99.3	11.8	11.6	101.7	98.3	102	102	100.0	97.1
K2	3.8	3.8	100.0	70.4	40.9	41.0	99.8	98.1	42.7	42.8	99.8	100.7	11.7	11.5	101.7	97.5	109	114	95.6	103.8
L2	4.9	5.3	92.4	90.7	41.5	41.5	100.0	99.5	42.8	42.6	100.5	100.9	12.4	12.1	102.5	103.3	104	107	97.2	99.0
M2	6.8	6.6	103.0	125.9	41.9	41.8	100.2	100.5	42.4	42.4	100.0	100.0	13.1	12.6	104.0	109.2	108	114	94.7	102.8
O2		5.2				41.6				42.8				11.2				106		
P2		4.8				42.4				42.4				11.8				106		
Q2		6.0				42.0				42.9				12.1				109		
R2	5.9	5.8	101.7	109.2	41.3	41.5	99.5	99.0	42.2	42.4	99.5	99.5	11.9	12.2	97.5	99.2	101	103	98.0	96.2
T2	2.4	3.3	72.7	44.4	40.7	41.2	98.8	97.6	43.1	43.2	99.8	101.6	12.2	12.3	99.2	101.7	110	108	101.8	104.8
U2	4.9	4.9	100.0	90.7	42.0	42.0	100.0	100.7	42.1	42.2	99.8	99.3	11.4	11.4	100.0	95.0	106	107	99.1	101.0
V2	5.8	5.7	101.8	107.4	41.3	41.6	99.3	99.0	42.2	42.6	99.1	99.5	11.7	12.1	96.7	97.5	104	103	101.0	99.0
W2	5.8	5.8	100.0	107.4	41.7	41.6	100.2	100.0	42.6	42.5	100.2	100.5	11.8	12.2	96.7	98.3	112	112	100.0	106.7
X2	5.9					41.6				42.5				100.2				98		93.3
Y2	5.6	5.7	98.2	103.7	42.4	42.4	100.0	101.7	42.8	42.8	100.0	100.9	12.0	11.9	100.8	100.0	110	109	100.9	104.8
Z2	3.8	3.6	105.6	70.4	42.2	42.5	99.3	101.2	42.6	42.9	99.3	100.5	12.8	12.7	100.8	106.7	98	99	99.0	93.3
A3	5.2	4.7	110.6	96.3	41.2	41.1	100.2	98.8	42.4	42.5	99.8	100.0	11.0	11.0	100.0	91.7	106	103	102.9	101.0
B3		6.2				41.1				41.8				12.2				111		
C3	5.3	5.3	100.0	98.1	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.4	12.4	100.0	103.3	107	105	101.9	101.9
O3	5.8	5.7	101.8	107.4	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					103	102	101.0	98.1
E3	6.8	7.1	95.8	125.9	42.0	42.0	100.0	100.7	42.1	42.0	100.2	99.3	11.1	11.6	95.7	92.5	102	102	100.0	97.1
F3		5.3				42.5				42.6				11.4				104		
FKBG DATA																				
CUR. AV.		5.5				41.6				42.4				12.0				104		
CUM. AV.		5.4				41.7				42.4				12.0				105		
IND. #D		101.8				99.8				100.0				100.0				99.0		

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, 1979

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	
A1	6.1	6.1	100.0	110.9	42.1	42.2	99.8	101.2	42.9	43.0	99.8	101.2	13.0	12.6	103.2	108.3	98	99	99.0	93.3	
B1	5.2	5.1	102.0	94.5	41.1	41.2	99.8	98.8	42.3	42.4	99.8	99.8	12.4	12.4	100.0	103.3	107	105	101.9	101.9	
C1	6.3	6.1	103.3	114.5	41.1	41.3	99.5	98.8	41.8	42.0	99.5	98.6	12.3	12.2	100.8	102.5	104	107	97.2	99.0	
D1	5.3	5.0	106.0	96.4	41.2	41.1	100.2	99.0	42.3	42.3	100.0	99.8	12.1	11.6	104.3	100.8	106	109	97.2	101.0	
E1	5.0	4.9	102.0	90.9	41.1	41.2	99.8	98.8	42.3	42.4	99.8	99.8	12.6	12.5	100.8	105.0	101	101	100.0	96.2	
G1	5.0	5.2	96.2	90.9	42.6	42.6	100.0	102.4	43.0	43.0	100.0	101.4	12.3	12.4	99.2	102.5	113	109	103.7	107.6	
H1	5.8	5.7	101.8	105.4	41.4	41.3	100.2	99.5	42.3	42.2	100.2	99.8	12.3	11.6	106.0	102.5	103	103	100.0	98.1	
J1	4.8	5.0	96.0	87.3	41.7	41.7	100.0	100.2	43.1	42.9	100.5	101.6	12.1	12.4	97.6	100.8	97	97	100.0	92.4	
K1	4.9	4.8	102.1	89.1	41.0	40.8	100.5	98.6	42.3	42.2	100.2	99.8	12.1	12.2	99.2	100.8	115	109	105.5	109.5	
L1		5.4				42.2				42.3				12.4				109			
M1	6.4	5.8	110.3	116.4	41.7	41.5	100.5	100.2	42.3	42.4	99.8	99.8	11.4	11.7	97.4	95.0	101	103	98.0	96.2	
N1		5.5				42.0				42.1				12.5				106			
O1	4.7	4.8	97.9	85.4	42.0	42.2	99.5	101.0	42.2	42.4	99.5	99.5	11.5	11.9	96.6	95.8	108	105	102.8	102.8	
P1	5.1	5.0	102.0	92.7	41.9	41.2	101.7	100.7	43.1	42.5	101.4	101.6	12.3	12.0	102.5	102.5	117	115	101.7	111.4	
R1	4.6	5.1	90.2	83.6	41.5	41.6	99.8	99.8	43.0	42.8	100.5	101.4	11.2	11.6	96.6	93.3	109	106	102.8	103.8	
T1	5.7	5.4	105.6	103.6	41.4	41.2	100.5	99.5	42.4	42.3	100.2	100.0	12.4	12.5	99.2	103.3	119	112	106.2	113.3	
U1	6.5	6.6	98.5	118.2	41.9	41.9	100.0	100.7	42.0	42.0	100.0	99.0	11.9	11.8	100.8	99.2	100	102	98.0	95.2	
V1	5.6	5.2	107.7	101.8	42.4	42.3	100.2	101.9	42.5	42.4	100.2	100.2	12.2	12.0	101.7	101.7	104	105	99.0	99.0	
W1	5.6	5.6	100.0	101.8	41.5	41.5	100.0	99.8	42.5	42.5	100.0	100.2	12.7	12.9	98.4	105.8	102	102	100.0	97.1	
Y1	5.4	5.4	100.0	98.2	41.6	41.4	100.5	100.0	42.7	42.5	100.5	100.7	11.8	12.1	97.5	98.3	107	108	99.1	101.9	
Z1	3.9	4.2	92.8	70.9	42.7	42.2	101.2	102.6	42.9	42.4	101.2	101.2	11.9	12.0	99.2	99.2	109	105	103.8	103.8	
A2	5.8	5.9	98.3	105.4	42.0	42.1	99.8	101.0	42.1	42.2	99.8	99.3	11.9	11.8	100.8	99.2	103	103	100.0	98.1	
B2	5.9	5.4	109.2	107.3	41.4	41.2	100.5	99.5	42.3	42.3	100.0	99.8	11.6	11.6	100.0	96.7	104	104	100.0	99.0	
C2	6.1	6.3	96.8	110.9	41.8	41.8	100.0	100.5	42.6	42.5	100.2	100.5	12.2	12.7	96.1	101.7	101	102	99.0	96.2	
D2		6.3				41.5				42.1				11.5				102			
E2	6.7	6.4	104.7	121.8	41.6	41.4	100.5	100.0	42.1	42.0	100.2	99.3	11.4	12.2	93.4	95.0	99	103	96.1	94.3	
F2	5.6	5.8	96.6	101.8	41.5	41.6	99.8	99.8	42.5	42.5	100.0	100.2	12.2	12.1	100.8	101.7	103	104	99.0	98.1	
G2	5.0	5.2	96.2	90.9	41.2	41.8	98.6	99.0	42.4	43.0	98.6	100.0	11.8	12.3	95.9	98.3	97	96	101.0	92.4	
H2	5.9	6.1	96.7	107.3	41.6	41.6	100.0	100.0	41.6	41.6	100.0	98.1	12.7	12.3	103.2	105.8	101	102	99.0	96.2	
I2	5.1	5.4	94.4	92.7	41.5	41.4	100.2	99.8	42.7	42.4	100.7	100.7	11.2	11.2	100.0	93.3	97	98	99.0	92.4	
J2	6.4	6.4	100.0	116.4	42.0	41.9	100.2	101.0	42.1	42.0	100.2	99.3	11.4	11.6	98.3	95.0	101	102	99.0	96.2	
K2		3.8				41.0				42.8				11.7				113			
L2	5.1	5.3	96.2	92.7	41.5	41.5	100.0	99.8	42.7	42.6	100.2	100.7	12.7	12.1	105.0	105.8	105	106	99.0	100.0	
M2	6.7	6.6	101.5	121.8	42.0	41.8	100.5	101.0	42.5	42.4	100.2	100.2	12.7	12.6	100.8	105.8	110	113	97.3	104.8	
O2		5.2				41.6				42.8				11.2				106			
P2	4.8	4.8	100.0	87.3	42.6	42.4	100.5	102.4	42.7	42.4	100.7	100.7	13.1	11.8	111.0	109.2	105	106	99.0	100.0	
Q2		6.0				42.0				42.9				12.1				109			
R2	6.1	5.8	105.2	110.9	41.6	41.5	100.2	100.0	42.3	42.4	99.8	99.8	12.0	12.2	98.4	100.0	101	103	98.0	96.2	
T2		3.2				41.1				43.1				12.3				108			
U2	4.8	4.9	98.0	87.3	42.0	42.0	100.0	101.0	42.1	42.2	99.8	99.3	11.1	11.4	97.4	92.5	110	106	103.8	104.8	
V2	5.8	5.7	101.8	105.4	41.1	41.6	98.8	98.8	42.0	42.6	98.6	99.0	11.6	12.1	95.5	96.7	104	103	101.0	99.0	
W2	5.8	5.8	100.0	105.4	41.4	41.6	99.5	99.5	42.3	42.5	99.5	99.8	11.8	12.1	97.5	98.3	113	113	100.0	107.6	
X2	6.2	5.9	105.1	112.7	42.7	41.6	102.6	102.6	43.4	42.5	102.1	102.4	13.8		115.0		98	98	100.0	93.3	
Y2	6.0	5.7	105.3	109.1	42.3	42.4	99.8	101.7	42.7	42.8	99.8	100.7	12.0	11.9	100.8	100.0	110	109	100.9	104.8	
Z2	3.8	3.7	102.7	69.1	41.9	42.4	98.8	100.7	42.3	42.8	98.8	99.8	12.7	12.8	99.2	105.8	99	99	100.0	94.3	
A3	5.2	4.8	108.3	94.5	41.1	41.2	99.8	98.8	42.3	42.5	99.5	99.8	10.8	11.0	98.2	90.0	110	104	105.8	104.8	
B3	6.2	6.2	100.0	112.7	41.2	41.1	100.2	99.0	41.9	41.8	100.2	98.8	12.3	12.2	100.8	102.5	108	111	97.3	102.8	
C3	5.3	5.3	100.0	96.4	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.5	12.3	12.4	99.2	102.5	106	105	101.0	101.0	
D3	5.8	5.8	100.0	105.4	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3					103	102	101.0	98.1	
E3	6.9	7.0	98.6	125.4	41.9	42.0	99.8	100.7	42.0	42.1	99.8	99.0	11.7	11.6	100.9	97.5	101	103	98.0	96.2	
F3		5.2				42.5				42.6				11.4				104			
FKBG DATA																					
CUR.																					
AV.	5.6				41.7				42.4				12.1				105				
CUM.																					
AV.	5.5				41.6				42.4				12.0				105				
IND.																					
*D	101.8				100.2				100.0				100.8				100.0				

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, 1979

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	6.7	6.4	104.7	109.8	68.7	68.6	100.1	100.3	69.5	69.6	99.8	100.1	22.1	21.4	103.3	112.2	130	132	98.5	92.2
B1	5.4	5.5	98.2	88.5	68.0	67.7	100.4	99.3	69.8	69.4	100.6	100.6	20.9	20.0	104.5	106.1	138	140	98.6	97.9
C1	6.9	6.5	106.2	113.1	67.8	67.9	99.8	99.0	68.5	68.9	99.4	98.7	21.3	20.4	104.4	108.1	144	150	96.0	102.1
G1	6.2	6.1	101.6	101.6	69.3	69.7	99.4	101.2	69.9	70.3	99.4	100.7	20.9	20.4	102.4	106.1	143	142	100.7	101.4
H1	6.0	5.9	101.7	98.4	68.0	67.8	100.3	99.3	69.4	69.2	100.3	100.0	20.1	19.4	103.6	102.0	140	139	100.7	99.3
I1	5.8	5.6	103.6	95.1	67.8	68.0	99.7	99.0	69.3	69.7	99.4	99.8	19.4	18.7	103.7	98.5	137	141	97.2	97.2
K1	4.8	4.8	100.0	78.7	67.2	67.1	100.1	98.1	69.4	69.3	100.1	100.0	20.2	19.7	102.5	102.5	144	142	101.4	102.1
M1	6.7	6.6	101.5	109.8	68.4	68.6	99.7	99.8	69.2	69.5	99.6	99.7	20.4	19.8	103.0	103.6	138	137	100.7	97.9
N1	5.8	5.5	105.4	95.1	69.0	69.1	99.8	100.7	69.2	69.3	99.8	99.7	21.0	19.7	106.6	106.6	140	152	92.1	99.3
P1	5.7	5.7	100.0	93.4	68.3	68.0	100.4	99.7	69.9	69.6	100.4	100.7	19.9	20.0	99.5	101.0	139	146	95.2	98.6
R1	7.1	7.1	100.0	116.4	68.5	68.4	100.1	100.0	69.0	68.9	100.1	99.4	19.2	18.8	102.1	97.5	146	147	99.3	103.5
V1	6.6	6.5	101.5	108.2	69.4	69.5	99.8	101.3	69.6	69.7	99.8	100.3	19.6	19.4	101.0	99.5	135	136	99.3	95.7
Y1		5.6			68.0				69.6				19.9				140			
Z1	5.0	5.0	100.0	82.0	69.2	69.1	100.1	101.0	69.5	69.4	100.1	100.1	19.1	18.8	101.6	97.0	139	140	99.3	98.6
A2	6.8	6.7	101.5	111.5	69.0	69.1	99.8	100.7	69.2	69.3	99.8	99.7	19.0	19.2	99.0	96.4	145	144	100.7	102.8
B2	7.1	6.5	109.2	116.4	68.9	68.4	100.7	100.6	69.5	69.4	100.1	100.1	19.1	19.0	100.5	97.0	140	140	100.0	99.3
C2	7.8	7.2	108.3	127.9	69.1	68.9	100.3	100.9	69.1	69.3	99.7	99.6	21.4	21.5	99.5	106.6	139	138	100.7	98.6
F2	6.3	6.4	98.4	103.3	68.4	68.5	99.8	99.8	69.5	69.6	99.8	100.1	19.7	19.3	102.1	100.0	143	150	95.3	101.4
G2	6.9	6.6	104.5	113.1	69.4	68.8	100.9	101.3	70.1	69.7	100.6	101.0	21.3	21.5	99.1	108.1	134	135	99.2	95.0
H2	6.9	7.0	98.6	113.1	68.4	68.4	100.0	99.8	68.4	68.4	100.0	98.6	20.5	19.6	104.6	104.1	135	136	99.3	95.7
I2	6.6	6.6	100.0	108.2	68.2	68.1	100.1	99.6	69.1	69.0	100.1	99.6	18.6	18.8	98.9	94.4	127	131	96.9	90.1
K2	5.2	3.4	152.9	85.2	68.5	67.3	101.8	100.0	70.4	70.5	99.8	101.4	19.5	19.5	100.0	99.0	162	156	103.8	114.9
M2	7.1	7.1	100.0	116.4	69.4	69.1	100.4	101.3	70.0	69.6	100.6	100.9	20.9	20.0	104.5	106.1	143	146	97.9	101.4
Q2		6.1			69.2				70.5				19.6				138			
R2		6.4			68.7				69.8				20.4				137			
T2	3.6	4.0	90.0	59.0	67.1	67.7	99.1	98.0	70.2	70.5	99.6	101.2	21.1	20.1	105.0	107.1	143	145	98.6	101.4
U2	6.2	6.1	101.6	101.6	69.0	69.0	100.0	100.7	69.2	69.2	100.0	99.7	19.4	19.5	99.5	98.5	144	142	101.4	102.1
W2	6.3	5.9	106.8	103.3	68.5	68.2	100.4	100.0	69.6	69.6	100.0	100.3	20.8	20.4	102.0	105.6	142	143	99.3	100.7
Z2	5.0	4.4	113.6	82.0	68.2	68.4	99.7	99.6	68.8	69.0	99.7	99.1	20.7	20.5	101.0	105.1	139	139	100.0	98.6
A3	6.1	6.4	95.3	100.0	68.3	68.5	99.7	99.7	69.5	69.5	100.0	100.1	18.1	18.3	98.9	91.9	139	140	99.3	98.6
B3	6.3	6.4	98.4	103.3	67.9	67.7	100.3	99.1	69.0	68.7	100.4	99.4	20.3	20.9	97.1	103.0	141	144	97.9	100.0
C3	5.8	5.7	101.8	95.1	69.1	69.2	99.8	100.9	69.3	69.4	99.8	99.8	20.0	20.1	99.5	101.5	141	142	99.3	100.0
D3		5.8			68.9				69.1								139			
E3	7.8	8.1	96.3	127.9	68.8	68.8	100.0	100.4	69.0	69.0	100.0	99.4	19.4	19.9	97.5	98.5	135	136	99.3	95.7
F3		5.4			69.2				69.4				17.9				141			
FKBG DATA																				
CUR. AV.	6.2				68.5				69.4				20.1				140			
CUM. AV.	6.1				68.5				69.4				19.7				141			
IND. #D	101.6				100.0				100.0				102.0				99.3			

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, 1979

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	6.3	6.4	98.4	103.3	68.4	68.6	99.7	99.8	69.5	69.7	99.7	100.1	22.1	21.4	103.3	111.6	130	132	98.5	92.2
B1	5.8	5.5	105.4	95.1	68.4	67.7	101.0	99.8	69.9	69.4	100.7	100.7	20.4	20.1	101.5	103.0	140	140	100.0	99.3
C1	6.9	6.5	106.2	113.1	68.0	67.9	100.1	99.3	68.7	68.9	99.7	99.0	20.6	20.5	100.5	104.0	144	149	96.6	102.1
G1	6.3	6.1	103.3	103.3	69.5	69.6	99.8	101.4	70.1	70.2	99.8	101.0	20.6	20.5	100.5	104.0	141	142	99.3	100.0
H1	5.8	5.9	98.3	95.1	67.8	67.8	100.0	99.0	69.3	69.3	100.0	99.8	20.0	19.6	102.0	101.0	142	139	102.2	100.7
I1	5.7	5.6	101.8	93.4	70.9	68.0	104.3	103.5	72.5	69.6	104.2	104.5	19.1	18.8	101.6	96.5	140	140	100.0	99.3
K1	4.9	4.8	102.1	80.3	67.2	67.1	100.1	98.1	69.3	69.3	100.0	99.8	19.9	19.8	100.5	100.5	143	142	100.7	101.4
M1	6.5	6.6	98.5	106.6	68.6	68.6	100.0	100.1	69.6	69.4	100.3	100.3	18.9	19.9	95.0	95.4	139	137	101.4	98.6
N1	6.0	5.5	109.1	98.4	69.0	69.0	100.0	100.7	69.2	69.2	100.0	99.7	20.5	19.8	103.5	103.5	150	150	100.0	106.4
P1	5.6	5.7	98.2	91.8	68.5	68.1	100.6	100.0	70.1	69.6	100.7	101.0	20.1	20.0	100.5	101.5	147	145	101.4	104.2
R1	7.1	7.1	100.0	116.4	68.3	68.4	99.8	99.7	68.8	68.9	99.8	99.1	18.3	18.8	97.3	92.4	156	147	106.1	110.6
V1	6.3	6.5	96.9	103.3	69.9	69.5	100.6	102.0	70.1	69.7	100.6	101.0	19.5	19.4	100.5	98.5	136	136	100.0	96.4
Y1		5.7				68.0				69.6				20.0			139			
Z1	5.0	5.0	100.0	82.0	69.2	69.2	100.0	101.0	69.5	69.4	100.1	100.1	19.1	18.9	101.0	96.5	139	140	99.3	98.6
A2	7.0	6.8	102.9	114.8	69.1	69.1	100.0	100.9	69.3	69.3	100.0	99.8	19.0	19.2	99.0	96.0	137	144	95.1	97.2
B2	7.4	6.5	113.8	121.3	69.1	68.5	100.9	100.9	69.4	69.4	100.0	100.0	19.3	19.0	101.6	97.5	142	140	101.4	100.7
C2	7.5	7.3	102.7	123.0	69.1	68.9	100.3	100.9	69.3	69.2	100.1	99.8	21.7	21.5	100.9	109.6	138	138	100.0	97.9
F2	6.3	6.4	98.4	103.3	68.5	68.5	100.0	100.0	69.6	69.6	100.0	100.3	20.0	19.3	103.6	101.0	148	149	99.3	105.0
G2	6.7	6.6	101.5	109.8	68.8	68.8	100.0	100.4	69.6	69.6	100.0	100.3	20.9	21.4	97.7	105.6	134	135	99.2	95.0
H2	7.1	7.0	101.4	116.4	68.0	68.3	99.6	99.3	68.0	68.3	99.6	98.0	20.0	20.0	100.0	101.0	136	136	100.0	96.4
I2	7.3	6.6	110.6	119.7	68.3	68.1	100.3	99.7	68.6	69.0	99.4	98.8	18.5	18.8	98.4	93.4	130	131	99.2	92.2
K2		3.7				67.5				70.5				19.6			159			
M2	7.1	7.1	100.0	116.4	69.1	69.1	100.0	100.9	69.7	69.6	100.1	100.4	20.3	20.1	101.0	102.5	144	145	99.3	102.1
Q2		6.2				69.3				70.5				19.6			138			
R2	6.2	6.4	96.9	101.6	68.2	68.7	99.3	99.6	69.4	69.8	99.4	100.0	20.9	20.4	102.4	105.6	137	137	100.0	97.2
T2	3.7	3.9	94.9	60.6	67.2	67.6	99.4	98.1	70.2	70.4	99.7	101.2	19.4	20.1	96.5	98.0	144	143	100.7	102.1
U2	6.2	6.1	101.6	101.6	68.9	69.0	99.8	100.6	69.1	69.2	99.8	99.6	19.0	19.4	97.9	96.0	140	142	98.6	99.3
W2	6.2	6.0	103.3	101.6	68.4	68.2	100.3	99.8	69.6	69.6	100.0	100.3	20.2	20.5	98.5	102.0	143	143	100.0	101.4
Z2	5.3	4.5	117.8	86.9	68.4	68.4	100.0	99.8	69.0	69.0	100.0	99.4	20.7	20.5	101.0	104.5	138	139	99.3	97.9
A3	6.3	6.4	98.4	103.3	68.3	68.5	99.7	99.7	69.4	69.5	99.8	100.0	18.4	18.3	100.5	92.9	140	140	100.0	99.3
B3	6.5	6.4	101.6	106.6	67.7	67.7	100.0	98.8	68.6	68.8	99.7	98.8	20.8	20.8	100.0	105.0	145	144	100.7	102.8
C3	5.7	5.8	98.3	93.4	69.2	69.2	100.0	101.0	69.4	69.4	100.0	100.0	19.9	20.1	99.0	100.5	144	142	101.4	102.1
D3		5.8				68.9				69.1							140			
E3	7.8	8.0	97.5	127.9	68.9	68.8	100.1	100.6	69.1	69.0	100.1	99.6	19.6	19.8	99.0	99.0	134	136	98.5	95.0
F3		5.4				69.2				69.4				18.0			141			
FKBG DATA																				
CUR. AV.	6.3				68.6				69.5				19.9				141			
CUM. AV.	6.1				68.5				69.4				19.8				141			
IND. *D	103.3				100.1				100.1				100.5				100.0			

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

TABLE XV  
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD  
SEPTEMBER, 1979

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	6.9	6.4	107.8	111.3	68.7	68.6	100.1	100.3	69.4	69.6	99.7	100.0	21.6	21.6	100.0	109.1	132	132	100.0	93.6	
B1	5.5	5.4	101.8	88.7	68.4	67.7	101.0	99.8	70.1	69.4	101.0	101.0	20.5	20.1	102.0	103.5	141	140	100.7	100.0	
C1	6.5	6.5	100.0	104.8	68.0	67.9	100.1	99.3	69.0	68.9	100.1	99.4	20.8	20.6	101.0	105.0	140	148	94.6	99.3	
G1	6.0	6.2	96.8	96.8	69.7	69.6	100.1	101.8	70.3	70.2	100.1	101.3	20.9	20.5	102.0	105.6	142	142	100.0	100.7	
H1	5.9	5.9	100.0	95.2	67.9	67.9	100.0	99.1	69.3	69.3	100.0	99.8	20.1	19.7	102.0	101.5	138	139	99.3	97.9	
I1	5.5	5.6	98.2	88.7	67.7	68.2	99.3	98.8	69.4	69.9	99.3	100.0	18.7	18.8	99.5	94.4	139	139	100.0	98.6	
K1	4.9	4.8	102.1	79.0	67.2	67.1	100.1	98.1	69.3	69.3	100.0	99.8	20.5	19.8	103.5	103.5	140	143	97.9	99.3	
M1		6.6				68.6				69.4				19.8				137			
N1		5.6				69.0				69.2				20.0				149			
P1	5.7	5.7	100.0	91.9	68.3	68.1	100.3	99.7	69.9	69.7	100.3	100.7	20.2	20.0	101.0	102.0	142	145	97.9	100.7	
R1	7.1	7.1	100.0	114.5	68.6	68.4	100.3	100.1	69.1	68.9	100.3	99.6	18.5	18.8	98.4	93.4	151	148	102.0	107.1	
V1	6.9	6.4	107.8	111.3	69.1	69.6	99.3	100.9	69.3	69.8	99.3	99.8	19.6	19.4	101.0	99.0	137	136	100.7	97.2	
Y1	5.6	5.7	98.2	90.3	67.7	68.0	99.6	98.8	69.3	69.5	99.7	99.8	20.3	20.0	101.5	102.5	141	139	101.4	100.0	
Z1		5.0				69.2				69.4				19.0				140			
A2	6.9	6.8	101.5	111.3	69.0	69.0	100.0	100.7	69.2	69.2	100.0	99.7	19.0	19.2	99.0	96.0	136	142	95.8	96.4	
B2	7.3	6.6	110.6	117.7	68.9	68.5	100.6	100.6	69.2	69.4	99.7	99.7	10.8	19.0	98.9	94.9	147	140	105.0	104.2	
C2	7.9	7.4	106.8	127.4	69.5	68.9	100.9	101.4	69.4	69.2	100.3	100.0	22.1	21.6	102.3	111.6	138	138	100.0	97.9	
F2	6.4	6.4	100.0	103.2	68.6	68.5	100.1	100.1	69.6	69.6	100.0	100.3	19.3	19.3	100.0	97.5	144	149	96.6	102.1	
G2	6.8	6.7	101.5	109.7	69.3	68.8	100.7	101.2	70.1	69.6	100.7	101.0	20.2	21.4	94.4	102.0	135	134	100.7	95.7	
H2	6.9	7.0	98.6	111.3	68.8	68.3	100.7	100.4	68.8	68.3	100.7	99.1	19.7	20.0	98.5	99.5	136	136	100.0	96.4	
I2	6.9	6.7	103.0	111.3	68.7	68.2	100.7	100.3	69.4	69.0	100.6	100.0	19.1	18.7	102.1	96.5	127	131	96.9	90.1	
K2		3.7				67.5				70.6				19.7				160			
M2	7.1	7.1	100.0	114.5	69.1	69.1	100.0	100.9	69.7	69.6	100.1	100.4	20.8	20.1	103.5	105.0	142	145	97.9	100.7	
Q2		6.2				69.2				70.4				19.6				138			
R2	6.4	6.3	101.6	103.2	68.4	68.6	99.7	99.8	69.4	69.7	99.6	100.0	20.2	20.5	98.5	102.0	139	137	101.4	98.6	
T2		3.8				67.4				70.3				20.0				143			
U2	6.1	6.1	100.0	98.4	69.0	69.0	100.0	100.7	69.2	69.2	100.0	99.7	19.0	19.2	99.0	96.0	140	141	99.3	99.3	
W2	6.1	6.0	101.7	98.4	68.6	68.2	100.6	100.1	69.8	69.6	100.3	100.6	19.5	20.4	95.6	98.5	139	143	97.2	98.6	
Z2	4.6	4.7	97.9	74.2	68.6	68.4	100.3	100.1	69.2	69.0	100.3	99.7	20.9	20.6	101.4	105.6	139	139	100.0	98.6	
A3	6.3	6.4	98.4	101.6	68.2	68.4	99.7	99.6	69.3	69.5	99.7	99.8	18.5	18.3	101.1	93.4	143	140	102.1	101.4	
B3	6.8	6.4	106.2	109.7	67.6	67.7	99.8	98.7	68.3	68.8	99.3	98.4	20.8	20.8	100.0	105.0	146	144	101.4	103.5	
C3	5.8	5.8	100.0	93.5	69.3	69.2	100.1	101.2	69.5	69.4	100.1	100.1	20.1	20.0	100.5	101.5	137	142	96.5	97.2	
O3		5.8				68.9				69.1								140			
E3	7.7	8.0	96.2	124.2	68.9	68.8	100.1	100.6	69.1	69.0	100.1	99.6	19.4	19.8	98.0	98.0	134	136	98.5	95.0	
F3		5.4				69.2				69.4				18.0				141			
FKBG DATA																					
CUR.																					
AV.	6.4				68.6				69.4				20.0				139				
CUM.																					
AV.	6.2				68.5				69.4				19.8				141				
IND.																					
*D	103.2				100.1				100.0				101.0				98.6				

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

TABLE XVI  
 AVERAGES OF ROUTINE MILL QUALITY CONTRL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD  
 JULY, 1979

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	5.5	5.8	94.8	90.2	88.7	88.6	100.1	99.2	90.9	90.6	100.3	100.3	26.7	26.0	102.7	104.7	164	164	100.0	97.0
G1	6.5	6.3	103.2	106.6	90.3	90.7	99.6	101.0	91.1	91.5	99.6	100.6	27.1	27.1	100.0	106.3	174	171	101.8	103.0
I1	6.4	6.6	97.0	104.9	89.8	89.3	100.6	100.4	91.1	90.5	100.7	100.6	24.5	24.2	101.2	96.1	163	162	100.6	96.4
K1	5.2	4.9	106.1	85.2	87.8	87.6	100.2	98.2	90.3	90.3	100.0	99.7	26.6	26.6	100.0	104.3	168	164	102.4	99.4
N1	5.8	5.8	100.0	95.1	90.4	90.1	100.3	101.1	90.7	90.5	100.2	100.1	26.7	25.6	104.3	104.7	170	178	95.5	100.6
P1	6.1	5.9	103.4	100.0	88.7	89.2	99.4	99.2	90.3	91.0	99.2	99.7	26.6	26.6	100.0	104.3	178	166	107.2	105.3
R1	6.9	7.2	95.8	113.1	89.1	89.4	99.7	99.7	90.0	90.0	100.0	99.3	24.2	24.6	98.4	94.9	174	174	100.0	103.0
Z1		5.8				90.5				91.0				26.2				162		
B2		6.7				89.3				90.3				24.9				171		
F2		6.4				89.4				90.8				25.7				168		
K2	5.0	3.4	147.0	82.0	89.4	87.7	101.9	100.0	92.1	91.8	100.3	101.6	24.9	25.4	98.0	97.6	176	181	97.2	104.1
M2	6.9	6.9	100.0	113.1	89.7	89.9	99.8	100.3	90.6	90.8	99.8	100.0	27.4	26.0	105.4	107.4	172	171	100.6	101.8
R2		6.5				89.4				90.7				26.7				166		
T2		3.7				88.2				92.1				26.2				180		
U2	6.0	6.3	95.2	98.4	90.0	90.0	100.0	100.7	90.3	90.3	100.0	99.7	25.3	25.3	100.0	99.2	181	169	107.1	107.1
A3	6.1	6.4	95.3	100.0	89.0	89.4	99.6	99.6	90.6	90.7	99.9	100.0	24.3	24.0	101.2	95.3	165	165	100.0	97.6
B3	6.6	6.5	101.5	108.2	88.7	88.4	100.3	99.2	89.9	89.6	100.3	99.2	27.3	27.8	98.2	107.0	182	182	100.0	107.7
C3	6.0	5.8	103.4	98.4	90.2	90.4	99.8	100.9	90.5	90.7	99.8	99.9	26.6	25.8	103.1	104.3	168	162	103.7	99.4
F3		5.4				90.2				90.5				23.7				163		
FKBG DATA																				
CUR.																				
AV.	6.1				89.4				90.6				26.0				172			
CUM.																				
AV.	6.1				89.4				90.6				25.5				169			
IND.																				
*D	100.0				100.0				100.0				102.0				101.8			

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, 1979

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	6.2	5.8	106.9	101.6	89.3	88.6	100.8	99.9	90.8	90.6	100.2	100.2	27.1	26.1	103.8	105.8	166	164	101.2	98.2
G1	6.3	6.3	100.0	103.3	90.2	90.7	99.4	100.9	91.0	91.5	99.4	100.4	27.2	27.1	100.4	106.2	166	171	97.1	98.2
I1	6.5	6.6	98.5	106.6	89.4	89.4	100.0	100.0	90.7	90.6	100.1	100.1	23.9	24.2	98.8	93.4	163	162	100.6	96.4
K1	5.1	4.9	104.1	83.6	87.8	87.6	100.2	98.2	90.3	90.3	100.0	99.7	26.7	26.6	100.4	104.3	161	165	97.6	95.3
N1	5.8	5.8	100.0	95.1	90.0	90.1	99.9	100.7	90.3	90.5	99.8	99.7	25.1	25.8	97.3	98.0	171	175	97.7	101.2
P1	5.3	5.9	89.8	86.9	89.7	89.2	100.6	100.3	92.1	91.0	101.2	101.6	26.7	26.6	100.4	104.3	160	167	95.8	94.7
R1	7.2	7.2	100.0	118.0	89.5	89.4	100.1	100.1	90.1	90.0	100.1	99.4	24.2	24.6	98.4	94.5	173	174	99.4	102.4
Z1		5.8				90.5				91.0				26.2					162	
B2	7.4	6.7	110.4	121.3	89.8	89.3	100.6	100.4	90.2	90.4	99.8	99.6	24.7	24.9	99.2	96.5	175	171	102.3	103.6
F2		6.4				89.4				90.8				25.7					168	
K2		3.8				88.1				91.9				25.2					180	
M2	7.0	6.9	101.4	114.8	90.3	89.9	100.4	101.0	91.1	90.8	100.3	100.6	26.6	26.2	101.5	103.9	182	170	107.0	107.7
R2		6.5				89.4				90.7				26.7					166	
T2	3.7	3.8	97.4	60.6	88.4	88.3	100.1	98.9	92.3	92.1	100.2	101.9	26.1	26.1	100.0	102.0	180	178	101.1	106.5
U2	5.9	6.2	95.2	96.7	89.9	90.0	99.9	100.6	90.2	90.3	99.9	99.6	24.9	25.2	98.8	97.3	168	170	98.8	99.4
A3	6.8	6.4	106.2	111.5	89.7	89.4	100.3	100.3	90.7	90.7	100.0	100.1	24.0	24.0	100.0	93.8	170	165	103.0	100.6
B3	6.6	6.5	101.5	108.2	89.0	88.4	100.7	99.6	90.2	89.6	100.7	99.6	27.7	27.7	100.0	108.2	180	182	98.9	106.5
C3	6.0	5.9	101.7	98.4	90.2	90.3	99.9	100.9	90.5	90.6	99.9	99.9	26.0	26.1	99.6	101.6	168	164	102.4	99.4
F3		5.4				90.2				90.5				23.6					163	
FKBG DATA																				
CUR.																				
AV.	6.1				89.5				90.7				25.8				170			
CUM.																				
AV.	6.1				89.4				90.6				25.6				169			
IND.																				
*D	100.0				100.1				100.1				100.8				100.6			

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, 1979

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	5.9	5.7	103.5	96.7	88.9	88.6	100.3	99.4	90.8	90.7	100.1	100.2	25.9	26.2	98.8	101.2	168	164	102.4	99.4
G1	6.3	6.3	100.0	103.3	90.4	90.6	99.8	101.1	91.2	91.4	99.8	100.7	27.7	27.2	101.8	108.2	169	170	99.4	100.0
I1	7.0	6.6	106.1	114.8	89.4	89.4	100.0	100.0	90.2	90.6	99.6	99.6	24.2	24.1	100.4	94.5	164	163	100.6	97.0
K1	4.9	4.9	100.0	80.3	87.6	87.6	100.0	98.0	90.3	90.4	99.9	99.7	27.3	26.6	102.6	106.6	164	165	99.4	97.0
N1		5.7				90.2				90.6				25.8				172		
P1	7.2	5.9	122.0	118.0	89.6	89.3	100.3	100.2	90.2	91.1	99.0	99.6	27.3	26.5	103.0	106.6	190	167	113.8	112.4
R1	7.2	7.2	100.0	118.0	89.3	89.4	99.9	99.9	89.9	90.0	99.9	99.2	24.4	24.5	99.6	95.3	181	174	104.0	107.1
Z1		5.8				90.5				91.0				26.2				162		
B2	7.4	6.8	108.8	121.3	90.0	89.4	100.7	100.7	90.4	90.4	100.0	99.8	24.8	24.9	99.6	96.9	177	173	102.3	104.7
F2	6.4	6.4	100.0	104.9	89.6	89.4	100.2	100.2	90.9	90.8	100.1	100.3	25.7	25.7	100.0	100.4	159	168	94.6	94.1
K2		3.8				88.1				91.9				25.2				180		
M2	7.2	6.9	104.3	118.0	90.3	90.0	100.3	101.0	90.9	91.0	99.9	100.3	25.5	26.2	97.3	99.6	171	171	100.0	101.2
R2	6.6	6.5	101.5	108.2	89.8	89.4	100.4	100.4	91.0	90.7	100.3	100.4	27.3	26.7	102.2	106.6	161	166	97.0	95.3
T2		3.8				88.3				92.1				26.1				179		
U2	5.8	6.2	93.5	95.1	90.0	90.0	100.0	100.7	90.3	90.3	100.0	99.7	24.7	25.1	98.4	96.5	180	169	106.5	106.5
A3	6.8	6.4	106.2	111.5	88.4	89.4	98.9	98.9	89.4	90.7	98.6	98.7	24.5	24.0	102.1	95.7	164	166	98.8	97.0
B3	6.7	6.5	103.1	109.8	88.7	88.5	100.2	99.2	89.8	89.7	100.1	99.1	27.4	27.7	98.9	107.0	178	182	97.8	105.3
C3	6.1	5.9	103.4	100.0	90.2	90.3	99.9	100.9	90.5	90.6	99.9	99.9	27.2	26.0	104.6	106.2	160	165	97.0	94.7
F3		5.4				90.3				90.6				24.0				162		
FKBG DATA																				
CUR.																				
AV.	6.5				89.4				90.4				26.0				170			
CUM.																				
AV.	6.1				89.4				90.6				25.6				169			
IND.																				
*D	106.6				100.0				99.8				101.6				100.6			

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

/END CARD READ, JOB TERMINATED

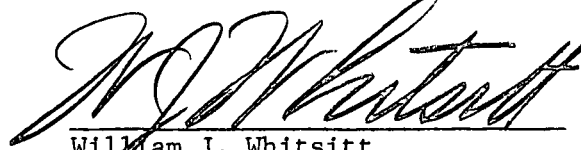
Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XIX. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and F.K.B.G. indexes are described in the Appendix.

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, SEPTEMBER, 1979

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

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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.