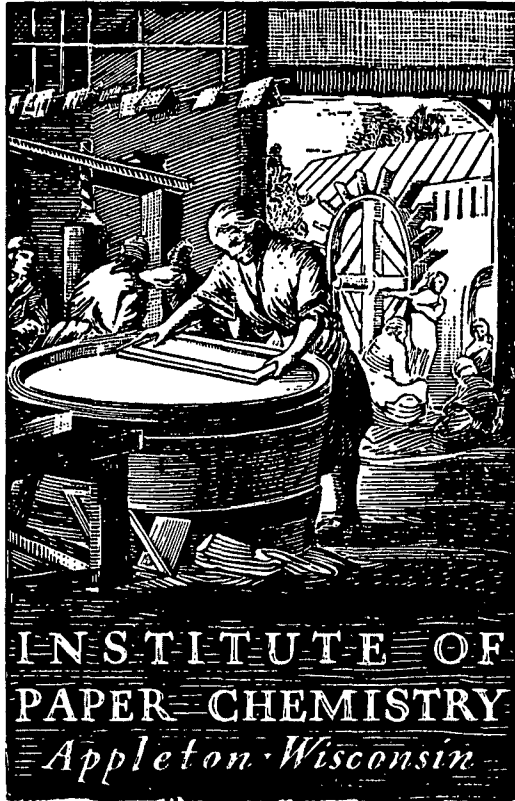




BASE-LINE

JANUARY-FEBRUARY, 1974

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JANUARY AND FEBRUARY, 1974)

Project 2694-1

Report Forty-Three

A Progress Report

to

FOURDRINIER KRAFT BOARD INSTITUTE, INC.

**This material is intended only for the internal use of authorized
persons within Fourdrinier Kraft Board Institute member companies**

April 24, 1974

BASE-LINE
JANUARY-FEBRUARY, 1974

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

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(MILL LINERBOARD DATA FOR JANUARY AND FEBRUARY, 1974)

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TABLE OF CONTENTS

	Page
SUMMARY	1
INTRODUCTION	5
PRESENTATION OF DATA	5
Presentations (Tables):	
Table I-II 26-Lb Linerboard, Monthly Averages of Mill Data	6-7
Table III-IV 33-Lb Linerboard, Monthly Averages of Mill Data	8-9
Table V-VI 38-Lb Linerboard, Monthly Averages of Mill Data	10-11
Table VII-VIII 42-Lb Linerboard, Monthly Averages of Mill Data	12-13
Table IX-X 69-Lb Linerboard, Monthly Averages of Mill Data	14-15
Table XI-XII 90-Lb Linerboard, Monthly Averages of Mill Data	16-17
Table XIII Data on Conditioning and Testing Environments	19
APPENDIX. NOTES A, B, C, AND D USED IN TABULATING OF MILL DATA	21

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JANUARY AND FEBRUARY, 1974)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA
(NOVEMBER, 1973-FEBRUARY, 1974)

Linerboard Grade Wt.		Moisture Content			
		November	December	January	February
26 Lb	Max. ^a	6.5	6.3	5.8	6.8
	Min. ^a	1.8	0.5	0.4	2.4
	Av. ^b	4.5 (17)	4.6 (17)	4.2 (16)	4.6 (14)
33 Lb	Max. ^a	6.0	6.2	6.1	6.4
	Min. ^a	1.6	1.2	1.5	1.2
	Av. ^b	4.4 (25)	4.4 (25)	4.6 (25)	4.3 (22)
38 Lb	Max. ^a	6.7	6.5	7.0	6.9
	Min. ^a	3.2	2.8	2.8	3.1
	Av. ^b	5.1 (24)	5.1 (25)	5.2 (26)	5.1 (24)
42 Lb	Max. ^a	7.4	7.2	7.3	7.4
	Min. ^a	3.1	3.5	2.2	2.7
	Av. ^b	5.2 (39)	5.2 (40)	5.2 (38)	5.3 (39)
69 Lb	Max. ^a	9.1	8.9	8.9	9.2
	Min. ^a	4.4	4.2	3.9	3.4
	Av. ^b	6.2 (31)	6.2 (31)	6.0 (32)	6.2 (33)
90 Lb	Max. ^a	8.7	8.1	7.7	8.0
	Min. ^a	5.0	4.9	4.8	4.2
	Av. ^b	6.5 (14)	6.3 (15)	6.2 (15)	6.4 (16)

^aCurrent machine average.

^bCurrent F.K.I. average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA
(NOVEMBER, 1973-FEBRUARY, 1974)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M ft ²			
		November	December	January	February
26 Lb	Max. ^a	26.9	27.1	27.0	27.1
	Min. ^a	25.8	25.6	25.8	25.8
	Av. ^b	26.4 (17)	26.4 (17)	26.4 (17)	26.4 (14)
33 Lb	Max. ^a	35.1	34.9	34.3	34.5
	Min. ^a	32.8	32.8	32.7	32.9
	Av. ^b	33.4 (25)	33.5 (25)	33.4 (25)	33.5 (22)
38 Lb	Max. ^a	39.8	39.8	39.7	39.5
	Min. ^a	37.7	37.6	37.5	37.7
	Av. ^b	38.5 (24)	38.4 (25)	38.5 (26)	38.4 (24)
42 Lb	Max. ^a	43.8	43.9	43.3	43.8
	Min. ^a	41.7	41.5	41.8	41.6
	Av. ^b	42.5 (39)	42.4 (40)	42.4 (38)	42.4 (39)
69 Lb	Max. ^a	70.5	70.2	70.1	70.1
	Min. ^a	67.6	67.8	67.8	67.5
	Av. ^b	69.4 (31)	69.3 (31)	69.3 (32)	69.4 (33)
90 Lb	Max. ^a	91.1	91.2	91.7	92.0
	Min. ^a	89.0	89.4	88.4	89.6
	Av. ^b	90.3 (14)	90.4 (15)	90.3 (15)	90.5 (16)

^aCurrent machine average.

^bCurrent F.K.I. average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA
(NOVEMBER, 1973-FEBRUARY, 1974)

Linerboard Grade Wt.		Caliper, pt.			
		November	December	January	February
26 Lb	Max. ^a	9.1	9.0	8.8	8.8
	Min. ^a	7.4	7.3	7.2	7.3
	Av. ^b	8.1 (16)	8.0 (16)	8.0 (17)	8.0 (14)
33 Lb	Max. ^a	10.6	11.2	10.9	10.7
	Min. ^a	9.0	9.0	8.6	8.8
	Av. ^b	10.0 (24)	9.9 (24)	9.9 (24)	9.9 (21)
38 Lb	Max. ^a	12.1	12.3	12.2	11.8
	Min. ^a	10.1	10.1	10.2	10.1
	Av. ^b	11.1 (23)	11.2 (24)	11.0 (25)	10.9 (23)
42 Lb	Max. ^a	13.3	13.4	13.2	13.1
	Min. ^a	11.0	10.8	10.7	11.0
	Av. ^b	12.1 (38)	12.1 (39)	12.0 (37)	12.0 (38)
69 Lb	Max. ^a	21.5	21.4	21.9	21.3
	Min. ^a	18.1	18.3	18.5	18.3
	Av. ^b	19.8 (30)	19.7 (31)	19.8 (31)	19.7 (32)
90 Lb	Max. ^a	27.1	27.3	27.4	27.4
	Min. ^a	23.6	24.0	23.7	23.5
	Av. ^b	25.4 (14)	25.4 (14)	25.4 (14)	25.7 (16)

^aCurrent machine average.

^bCurrent F.K.I. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA
(NOVEMBER, 1973-FEBRUARY, 1974)

Linerboard Grade Wt.		Bursting Strength, psig			
		November	December	January	February
26 Lb	Max. ^a	81	83	83	86
	Min. ^a	64	65	65	65
	Av. ^b	70 (17)	69 (17)	72 (17)	72 (14)
33 Lb	Max. ^a	96	103	100	99
	Min. ^a	76	77	76	77
	Av. ^b	84 (25)	85 (25)	85 (25)	85 (22)
38 Lb	Max. ^a	110	113	109	109
	Min. ^a	87	86	86	87
	Av. ^b	95 (24)	95 (25)	95 (26)	95 (24)
42 Lb	Max. ^a	120	113	117	117
	Min. ^a	98	97	96	96
	Av. ^b	104 (39)	103 (40)	104 (38)	103 (39)
69 Lb	Max. ^a	171	153	155	161
	Min. ^a	127	132	127	126
	Av. ^b	141 (31)	140 (31)	140 (32)	140 (33)
90 Lb	Max. ^a	181	178	186	183
	Min. ^a	162	157	152	148
	Av. ^b	172 (14)	169 (15)	168 (15)	168 (16)

^aCurrent machine average.

^bCurrent F.K.I. 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.I., Inc. 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.

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	Mill Test Averages on 26-lb Linerboard
III - IV	Mill Test Averages on 33-lb Linerboard
V - VI	Mill Test Averages on 38-lb Linerboard
VII - VIII	Mill Test Averages on 42-lb Linerboard
IX - X	Mill Test Averages on 69-lb Linerboard
XI - XII	Mill Test Averages on 90-lb Linerboard

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

JANUARY, 1974

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	3.8	3.7	102.7	84.4	25.1	25.0	100.4	97.3	26.2	26.1	100.4	98.9	7.5	7.6	98.7	93.8	81	76	106.6	114.1
B1		3.9				26.2				26.3				8.0				76		
C1	2.5			55.6	25.3			98.1	26.7			100.8	7.2			90.0	83			116.9
D1	3.5	2.6	134.6	77.8	25.1	24.8	101.2	97.3	26.3	26.3	100.0	99.2	8.0	7.5	106.7	100.0	76	81	93.8	107.0
E1	4.6	5.2	88.5	102.2	26.4	26.4	100.0	102.3	26.5	26.6	99.6	100.0	8.2	8.2	100.0	102.5	65	70	92.8	91.5
F1		4.4				26.0				27.0				7.8				65		
G1		4.9				25.8				26.6				7.5				70		
I1	3.6	6.0	60.0	80.0	26.5	26.2	101.1	102.7	26.6	26.3	101.1	100.4	8.3	8.5	97.6	103.8	66	63	104.8	93.0
J1	4.8	5.4	88.9	106.7	26.0	26.1	99.6	100.8	26.9	26.8	100.4	101.5	8.8	8.8	100.0	110.0	68	68	100.0	95.8
P1		5.6				25.7				25.9				7.2				80		
Q1	4.8	4.6	104.3	106.7	25.6	25.5	100.4	99.2	26.4	26.4	100.0	99.6	7.7	7.5	102.7	96.2	69	71	97.2	97.2
W1		6.2				26.2				26.3								66		
A2		1.7				25.1				26.8				7.2				76		
C2	5.0	5.2	96.2	111.1	25.3	26.1	96.9	98.1	26.1	26.8	97.4	98.5	7.9	8.0	98.8	98.8	67	68	98.5	94.4
D2	5.8	5.8	100.0	128.9	25.7	25.7	100.0	99.6	26.3	26.3	100.0	99.2	7.7	7.6	101.3	96.7	70	66	106.1	98.6
E2	4.2	4.4	95.4	93.3	25.9	26.0	99.6	100.4	26.9	27.0	99.6	101.5	7.8	7.7	101.3	97.5	70	72	97.2	98.6
G2	4.8	5.1	94.1	106.7	25.3	25.6	98.8	98.1	26.1	26.4	98.9	98.5	7.5	7.8	96.2	93.8	65	66	98.5	91.5
K2		4.3				25.4				26.4				7.8				65		
L2		3.4			26.9	26.4	101.9	104.3	27.0	26.6	101.5	101.9	8.8	8.7	101.1	110.0	69	67	103.0	97.2
O2	5.5	5.1	107.8	122.2	25.7	25.7	100.0	99.6	25.8	25.8	100.0	97.4	8.0	7.8	102.6	100.0	74	76	97.4	104.2
P2	2.5	2.8	89.3	55.6	25.1	25.2	99.6	97.3	26.5	26.5	100.0	100.0	8.5	8.4	101.2	106.2	72	73	98.6	101.4
S2		1.0				25.3				27.2				8.5				60		
T2		5.7				26.8				27.4				8.9				72		
U2	0.4	0.5	80.0	8.9	24.5	24.5	100.0	95.0	26.5	26.4	100.4	100.0	7.7	8.0	96.2	96.2	71	66	107.6	100.0
V2	5.7	5.7	100.0	126.7	26.1	26.0	100.4	101.2	26.7	26.6	100.4	100.8	8.5	8.5	100.0	106.2	82	79	103.8	115.5
X2		4.4				26.6				27.0				7.5				67		
Z2	5.2	5.2	100.0	115.6	25.5	25.6	99.6	98.8	26.2	26.2	100.0	98.9	7.2	7.9	91.1	90.0	68	68	100.0	95.8
A3		6.5				25.8				26.0				8.7				76		
FKI DATA																				
CUR.																				
AV.	4.2				25.6				26.4				8.0				72			
CUM.																				
AV.	4.5				25.8				26.5				8.0				71			
IND.																				
*D	93.3				99.2				99.6				100.0				101.4			

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
FEBRUARY, 1974

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	4.0	3.8	105.3	88.9	24.9	25.0	99.6	96.9	25.9	26.1	99.2	98.1	7.5	7.6	98.7	93.8	79	76	103.9	111.3
B1		3.9				26.2				26.3				8.0				76		
C1		2.5				25.3				26.7				7.2				83		
D1	4.3	2.7	159.2	95.6	25.2	24.9	101.2	98.0	26.2	26.3	99.6	99.2	7.8	7.6	102.6	97.5	86	80	107.5	121.1
E1		5.2				26.4				26.5				8.2				69		
F1		4.4				26.0				27.0				7.8				65		
G1		4.9				25.8				26.6				7.5				70		
I1		4.8				26.4				26.4				8.4				64		
J1	3.6	5.3	67.9	80.0	25.9	26.1	99.2	100.8	27.1	26.8	101.1	102.6	8.3	8.8	94.3	103.8	66	68	97.0	93.0
P1		5.6				25.7				25.9				7.2				80		
Q1	4.5	4.7	95.7	100.0	25.5	25.5	100.0	99.2	26.4	26.4	100.0	100.0	7.4	7.5	98.7	92.5	68	70	97.1	95.8
W1		6.2				26.2				26.3				7.0				66		
A2		1.6				24.9				26.6				7.0				76		
C2	4.9	5.1	96.1	108.9	25.4	26.0	97.7	98.8	26.2	26.7	98.1	99.2	7.8	7.9	98.7	97.5	65	68	95.6	91.5
D2	5.7	5.8	98.3	126.7	25.6	25.7	99.6	99.6	26.2	26.3	99.6	99.2	7.8	7.6	102.6	97.5	66	66	100.0	93.0
E2	4.4	4.4	100.0	97.8	25.7	26.0	98.8	100.0	26.7	27.0	98.9	101.1	7.8	7.7	101.3	97.5	69	72	95.8	97.2
G2	4.5	5.1	88.2	100.0	25.5	25.6	99.6	99.2	26.4	26.3	100.4	100.0	7.4	7.8	94.9	92.5	67	66	101.5	94.4
K2		4.3				25.4				26.4				7.8				65		
L2	2.5	3.4	73.5	55.6	26.9	26.4	101.9	104.7	27.0	26.6	101.5	102.3	8.7	8.7	100.0	108.8	68	67	101.5	95.8
O2	5.1	5.2	98.1	113.3	25.7	25.7	100.0	100.0	25.8	25.8	100.0	97.7	8.2	7.8	105.1	102.5	72	76	94.7	101.4
P2	2.4	2.8	85.7	53.3	24.9	25.2	98.8	96.9	26.4	26.5	99.6	100.0	8.6	8.4	102.4	107.5	74	73	101.4	104.2
S2		1.0				25.3				27.2				8.5				60		
T2		5.7				26.8				27.4				8.9				72		
U2		0.5				24.5				26.4				7.9				66		
V2	5.9	5.7	103.5	131.1	25.9	26.0	99.6	100.8	26.4	26.6	99.2	100.0	8.8	8.5	103.5	110.0	74	79	93.7	104.2
X2		4.3				26.6				27.0				7.5				67		
Z2	5.0	5.2	96.2	111.1	25.8	25.6	100.8	100.4	26.6	26.2	101.5	100.8	7.3	7.9	92.4	91.2	66	68	97.0	93.0
A3	6.8	6.5	104.6	151.1	25.6	25.8	99.2	99.6	25.8	26.0	99.2	97.7	8.7	8.7	100.0	108.8	79	76	103.9	111.3
FKI DATA																				
CUR.																				
AV.					25.6					26.4					8.0					
CUM.																				
AV.					25.7					26.4					8.0					
IND.																				
*D 100.0					99.6					100.0					100.0					

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

TABLE III
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB. FOURDRINIER KRAFT LINERBOARD
JANUARY, 1974

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	4.3	4.1	104.9	95.6	31.9	31.8	100.3	97.8	33.1	33.1	100.0	99.1	8.6	8.9	96.6	87.8	97	94	103.2	112.8
B1	4.6	4.6	100.0	102.2	33.3	33.2	100.3	102.1	33.4	33.3	100.3	100.0	9.8	9.7	101.0	100.0	94	94	100.0	109.3
C1		4.9				31.7					32.7				9.4			102		
D1	4.9	3.9	125.6	108.9	32.2	32.1	100.3	98.8	33.2	33.4	99.4	99.4	10.2	9.4	108.5	104.1	90	96	93.8	104.6
E1	4.5	5.0	90.0	100.0	33.0	33.1	99.7	101.2	33.1	33.2	99.7	99.1	10.3	10.0	103.0	105.1	80	84	95.2	93.0
F1	4.7	4.6	102.2	104.4	32.8	32.9	99.7	100.6	33.9	34.0	99.7	101.5	9.1	9.5	95.8	92.8	83	84	98.8	96.5
G1	5.4	5.4	100.0	120.0	32.4	32.7	99.1	99.4	33.2	33.5	99.1	99.4	9.8	10.0	98.0	100.0	81	82	98.8	94.2
J1		5.3				33.3					34.2				10.7			80		
N1		4.5				32.5					33.7				9.1			89		
O1	4.8	4.6	104.3	106.7	33.2	33.7	98.5	101.8	34.3	34.9	98.3	102.7	9.7	9.7	100.0	99.0	84	92	91.3	97.7
P1	5.7	5.4	105.6	126.7	33.0	32.8	100.6	101.2	33.8	33.0	102.4	101.2	9.5	9.2	103.3	96.9	100	100	100.0	116.3
Q1	5.1	4.8	106.2	113.3	32.5	32.5	100.0	99.7	33.4	33.5	99.7	100.0	10.0	9.8	102.0	102.0	79	83	95.2	91.9
S1	4.0	4.1	97.6	88.9	33.2	33.3	99.7	101.8	33.3	33.5	99.4	99.7	9.8	10.2	96.1	100.0	90	92	97.8	104.6
T1	1.5	3.0	50.0	33.3	31.7	32.3	98.1	97.2	33.9	33.7	100.6	101.5	9.6	9.6	100.0	98.0	85	87	97.7	98.8
V1		3.2				31.7					33.3				9.5			82		
A2		2.4				31.5					33.3				9.2			86		
C2	5.2	5.4	96.3	115.6	32.3	32.6	99.1	99.1	33.2	33.5	99.1	99.4	9.5	9.8	96.9	96.9	76	79	96.2	88.4
D2	5.5	5.8	94.8	122.2	32.2	32.7	98.5	98.8	33.0	33.4	98.8	98.8	9.5	9.5	100.0	96.9	80	80	100.0	93.0
E2	4.5	4.8	93.8	100.0	32.8	32.8	100.0	100.6	34.0	33.9	100.3	101.8	9.5	9.5	100.0	96.9	85	86	98.8	98.8
F2		2.6				32.2					34.0				10.1			84		
G2	5.2	5.4	96.3	115.6	32.5	32.5	100.0	99.7	33.4	33.4	100.0	100.0	9.8	10.2	96.1	100.0	80	80	100.0	93.0
H2	4.8	3.9	123.1	106.7	32.7	33.1	98.8	100.3	32.9	33.4	98.5	98.5	9.5	10.0	95.0	96.9	92	94	97.9	107.0
J2	5.2	5.2	100.0	115.6	33.2	33.1	100.3	101.8	33.3	33.2	100.3	99.7	10.6	10.3	102.9	108.2	85	86	98.8	98.8
K2	4.8	4.4	109.1	106.7	32.7	32.7	100.0	100.3	33.8	33.9	99.7	101.2	10.4	9.9	105.0	106.1	79	80	98.8	91.9
L2	4.9	3.8	128.9	108.9	33.2	32.9	100.9	101.8	33.4	33.3	100.3	100.0	10.8	10.6	101.9	110.2	79	79	100.0	91.9
M2		4.9				32.6					33.6				10.2			80		
N2	4.5	4.4	102.3	100.0	33.3	33.2	100.3	102.1	33.6	33.5	100.3	100.6	10.0	9.7	103.1	102.0	81	79	102.5	94.2
O2	5.4	5.3	101.9	120.0	32.5	32.6	99.7	99.7	32.7	32.8	99.7	97.9	9.8	9.9	99.0	100.0	94	92	102.2	109.3
P2	2.8	2.5	112.0	62.2	31.7	31.7	100.0	97.2	33.4	33.6	99.4	100.0	10.9	10.0	109.0	111.2	84	87	96.6	97.7
R2	6.1	5.8	105.2	135.6	33.0	33.2	99.4	101.2	33.1	33.3	99.4	99.1					85	85	100.0	98.8
S2		4.4				32.2					33.4				9.4			84		
T2	5.9	5.7	103.5	131.1	33.0	33.2	99.4	101.2	33.7	34.0	99.1	100.9	10.0	10.2	98.0	102.0	82	87	94.2	95.3
U2	1.7	2.6	65.4	37.8	31.3	31.6	99.0	96.0	33.4	33.4	100.0	100.0	10.2	10.2	100.0	104.1	87	86	101.2	101.2
V2		6.4				33.0					33.5				10.7			95		
Z2		5.1				32.3					33.3				9.8			85		
A3		6.2				33.0					33.2				10.1			88		
FKI DATA																				
CUR.																				
AV. 4.6					32.6					33.4					9.9					85
CUM.																				
AV. 4.5					32.6					33.4					9.8					86
IND. *D 102.2					100.0					100.0					101.0					98.8

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
FEBRUARY, 1974

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	4.4	4.2	104.8	97.8	31.7	31.8	99.7	97.2	32.9	33.1	99.4	98.5	8.8	8.9	98.9	89.8	99	94	105.3	115.1	
B1	4.7	4.5	104.4	104.4	33.9	33.2	102.1	104.0	34.0	33.3	102.1	101.8	10.1	9.7	104.1	103.1	95	94	101.1	110.5	
C1		4.9				31.7				32.7				9.4				102			
D1	4.6	4.0	115.0	102.2	32.2	32.1	100.3	98.8	33.3	33.4	99.7	99.7	10.0	9.5	105.3	102.0	96	95	101.0	111.6	
E1		4.9				33.1				33.2				10.1				84			
F1	4.3	4.7	91.5	95.6	33.0	32.9	100.3	101.2	34.3	34.0	100.9	102.7	8.8	9.6	91.7	89.8	82	84	97.6	95.3	
G1	5.4	5.4	100.0	120.0	32.5	32.7	99.4	99.7	33.3	33.5	99.4	99.7	10.0	10.1	99.0	102.0	77	82	93.9	89.5	
I1	3.9			86.7	33.8			103.7	33.9			101.5	10.4			106.1	88			102.3	
J1		5.3				33.3				34.2				10.7				80			
N1		4.5				32.5				33.7				9.1				89			
O1		4.7				33.4				34.6				9.7				88			
P1		5.5				32.8				33.3				9.3				100			
Q1	4.9	4.8	102.1	108.9	32.5	32.4	100.3	99.7	33.5	33.5	100.0	100.3	10.1	9.8	103.1	103.1	79	82	96.3	91.9	
S1	4.3	4.0	107.5	95.6	33.3	33.3	100.0	102.1	33.4	33.5	99.7	100.0	10.4	10.2	102.0	106.1	91	92	98.9	105.8	
T1	1.2	2.8	42.8	26.7	31.7	32.2	98.4	97.2	34.0	33.8	100.6	101.8	9.8	9.7	101.0	100.0	84	86	97.7	97.7	
V1		3.1				31.8				33.4				9.5				79			
A2	3.0	2.4	125.0	66.7	31.5	31.5	100.0	96.6	33.1	33.3	99.4	99.1	9.7	9.2	105.4	99.0	83	86	96.5	96.5	
C2	5.4	5.4	100.0	120.0	32.3	32.6	99.1	99.1	33.1	33.4	99.1	99.1	9.6	9.8	98.0	98.0	77	79	97.5	89.5	
D2		5.8				32.6				33.4				9.5				80			
E2	4.7	4.8	97.9	104.4	32.7	32.8	99.7	100.3	33.8	33.9	99.7	101.2	9.4	9.5	98.9	95.9	87	86	101.2	101.2	
F2		2.6				32.2				34.0				10.1				84			
G2	4.9	5.4	90.7	108.9	32.4	32.5	99.7	99.4	33.4	33.4	100.0	100.0	10.4	10.2	102.0	106.1	81	80	101.2	94.2	
H2		4.0				33.1				33.4				10.0				94			
J2		5.2				33.1				33.2				10.3				85			
K2	4.8	4.5	106.7	106.7	33.4	32.7	102.1	102.4	34.5	33.9	101.8	103.3	10.4	10.0	104.0	106.1	79	80	98.8	91.9	
L2	3.4	3.9	87.2	75.6	33.0	33.0	100.0	101.2	33.2	33.3	99.7	99.4	10.3	10.6	97.2	105.1	79	79	100.0	91.9	
M2		4.9				32.6				33.6				10.2				80			
N2	4.4	4.3	102.3	97.8	33.1	33.2	99.7	101.5	33.4	33.5	99.7	100.0	9.6	9.7	99.0	98.0	78	80	97.5	90.7	
O2	4.9	5.3	92.4	108.9	32.7	32.6	100.3	100.3	32.9	32.8	100.3	98.5	9.9	9.9	100.0	101.0	87	92	94.6	101.2	
P2	2.6	2.5	104.0	57.8	31.8	31.7	100.3	97.5	33.6	33.5	100.3	100.6	10.1	10.2	99.0	103.1	84	86	97.7	97.7	
R2	5.6	5.9	94.9	124.4	33.0	33.2	99.4	101.2	33.1	33.3	99.4	99.1					83	84	98.8	96.5	
S2		4.6				32.4				33.5				9.5				83			
T2	6.3	5.7	110.5	140.0	32.6	33.2	98.2	100.0	33.1	34.0	97.4	99.1	9.7	10.2	95.1	99.0	84	86	97.7	97.7	
U2	1.7	2.5	68.0	37.8	31.3	31.6	99.0	96.0	33.4	33.4	100.0	100.0	10.3	10.2	101.0	105.1	82	86	95.3	95.3	
V2	6.4	6.4	100.0	142.2	32.9	33.0	99.7	100.9	33.4	33.5	99.7	100.0	10.7	10.7	100.0	109.2	88	95	92.6	102.3	
Z2		5.1				32.4				33.4				10.0				84			
A3		6.2				33.0				33.2				10.1				88			
FKI DATA																					
CUR.																					
AV.		4.3					32.6					33.5					9.9				
CUM.																					
AV.		4.5					32.6					33.4					9.8				
IND.																					
*D		95.6					100.0					100.3					101.0				

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

TABLE V
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB. FOURDRINIER KRAFT LINERBOARD
JANUARY, 1974

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	4.3	4.3	100.0	86.0	36.6	36.6	100.0	96.8	38.0	38.0	100.0	98.7	10.3	10.1	102.0	93.6	109	104	104.8	113.5
B1		4.4				38.2				38.2				10.9				105		
C1	3.4			68.0	36.4			96.3	38.1			99.0	10.7			97.3	94			97.9
D1	5.8	5.1	113.7	116.0	37.5	37.3	100.5	99.2	38.3	38.3	100.0	99.5	10.6	10.1	105.0	96.4	106	109	97.2	110.4
E1	5.4	5.2	103.8	108.0	38.3	38.2	100.3	101.3	38.4	38.2	100.5	99.7	12.2	11.2	108.9	110.9	89	95	93.7	92.7
F1	5.2	4.8	108.3	104.0	38.6	37.8	102.1	102.1	39.7	39.0	101.8	103.1	10.9	10.8	100.9	99.1	94	96	97.9	97.9
G1	7.0	6.6	106.1	140.0	37.9	37.8	100.3	100.3	38.2	38.3	99.7	99.2	11.5	11.5	100.0	104.5	90	91	98.9	93.8
I1	6.7	5.6	119.6	134.0	38.0	38.6	98.4	100.5	38.1	38.6	98.7	99.0	11.3	10.9	103.7	102.7	95	98	96.9	99.0
J1		5.1				37.6				38.7				12.2				90		
K1	6.7	6.5	103.1	134.0	37.5	37.5	100.0	99.2	38.0	38.0	100.0	98.7	10.4	10.6	98.1	94.5	86	87	98.8	89.6
O1	5.3	5.4	98.1	106.0	38.4	38.4	100.0	101.6	39.4	39.4	100.0	102.3	10.5	10.7	98.1	95.4	93	99	93.9	96.9
Q1	5.1	4.8	106.2	102.0	37.5	37.4	100.3	99.2	38.6	38.7	99.7	100.2	11.4	11.2	101.8	103.6	92	94	97.9	95.8
R1	5.4	5.4	100.0	108.0	37.6	37.8	99.5	99.5	38.6	38.8	99.5	100.2	10.4	10.5	99.0	94.5	98	99	99.0	102.1
S1	4.5	4.7	95.7	90.0	38.5	38.4	100.3	101.8	38.6	38.5	100.2	100.2	11.3	11.6	97.4	102.7	97	100	97.0	101.0
T1	2.9	5.2	55.8	58.0	36.4	38.0	95.8	96.3	38.3	39.1	98.0	99.5	10.7	10.5	101.9	97.3	99	104	95.2	103.1
V1		3.5				37.0				38.7				10.7				88		
Y1	4.6	5.0	92.0	92.0	38.1	38.4	99.2	100.8	39.4	39.6	99.5	102.3	10.2	10.2	100.0	92.7	93	92	101.1	96.9
Z1	5.6	5.6	100.0	112.0	37.9	38.1	99.5	100.3	38.0	38.2	99.5	98.7	10.4	10.2	102.0	94.5	98	97	101.0	102.1
A2		3.2				36.4				38.2				10.6				96		
B2		5.7				38.0				38.8				11.2				94		
C2		6.0				38.4				39.1				11.2				96		
E2	5.3	5.8	91.4	106.0	37.9	37.9	100.0	100.3	38.9	38.7	100.5	101.0	11.0	10.8	101.8	100.0	94	97	96.9	97.9
F2	2.8	3.2	87.5	56.0	36.2	36.7	98.6	95.8	38.2	38.5	99.2	99.2	11.4	11.7	97.4	103.6	94	94	100.0	97.9
G2	5.2	5.1	102.0	104.0	37.5	37.4	100.3	99.2	38.6	38.5	100.2	100.2	11.7	11.8	99.2	106.4	90	90	100.0	93.8
H2	5.1	4.3	118.6	102.0	38.1	38.2	99.7	100.8	38.3	38.5	99.5	99.5	10.7	11.3	94.7	97.3	100	102	98.0	104.2
J2	5.2	5.1	102.0	104.0	38.3	38.0	100.8	101.3	38.4	38.1	100.8	99.7	11.8	11.4	103.5	107.3	97	95	102.1	101.0
L2	5.3	4.1	129.3	106.0	38.0	37.8	100.5	100.5	38.2	38.2	100.0	99.2	11.5	11.3	101.8	104.5	91	89	102.2	94.8
O2	5.6	5.8	96.6	112.0	37.3	37.6	99.2	98.7	37.5	37.8	99.2	97.4	11.6	11.5	100.9	105.4	106	101	105.0	110.4
P2		3.1				36.8				38.7				11.0				98		
Q2		6.2				37.8				38.5				11.1				97		
R2	5.8	5.7	101.8	116.0	38.0	38.2	99.5	100.5	38.1	38.3	99.5	99.0					94	94	100.0	97.9
T2	6.0	5.9	101.7	120.0	38.5	38.5	100.0	101.8	39.3	39.3	100.0	102.1	11.6	11.7	99.1	105.4	95	97	97.9	99.0
W2	4.9	4.5	108.9	98.0	38.3	38.0	100.8	101.3	38.4	38.4	100.0	99.7	10.9	10.8	100.9	99.1	96	103	93.2	100.0
Y2		5.5				37.4				38.3				10.6				114		
B3	5.7	5.8	98.3	114.0	37.6	37.7	99.7	99.5	38.5	38.6	99.7	100.0	10.8	11.4	94.7	98.2	92	93	98.9	95.8
C3		4.3				37.9				39.4				10.4				98		
FKI DATA																				
CUR.																				
AV. 5.2																				
CUM.																				
AV. 5.0																				
IND.																				
*D 104.0																				
99.7																				
100.0																				
100.0																				
99.0																				

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

TABLE VI
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB. FOURDRINIER KRAFT LINERBOARD
FEBRUARY, 1974

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	4.1	4.3	95.3	82.0	36.4	36.6	99.4	96.3	37.9	38.0	99.7	98.4	10.1	10.1	100.0	91.8	103	103	100.0	107.3
B1		4.4				38.2				38.2				10.9				105		
C1		3.4				36.4				38.1				10.7				94		
D1	6.3	5.2	121.2	126.0	37.8	37.3	101.3	100.0	38.4	38.3	100.3	99.7	10.2	10.1	101.0	92.7	109	109	100.0	113.5
E1		5.2				38.1				38.2				11.3				95		
F1	4.9	4.9	100.0	98.0	38.2	37.8	101.0	101.0	39.4	39.0	101.0	102.3	10.5	10.8	97.2	95.4	93	96	96.9	96.9
G1	6.8	6.7	101.5	136.0	38.0	37.9	100.3	100.5	38.4	38.3	100.3	99.7	11.7	11.5	101.7	106.4	90	90	100.0	93.8
I1	5.8	5.7	101.8	116.0	37.7	38.5	97.9	99.7	37.8	38.6	97.9	98.2	10.6	11.0	96.4	96.4	101	97	104.1	105.2
J1		5.1				37.6				38.7				12.2				90		
K1	6.9	6.5	106.2	138.0	37.4	37.5	99.7	98.9	37.8	38.0	99.5	98.2	10.3	10.6	97.2	93.6	87	87	100.0	90.6
O1		5.3				38.4				39.4				10.5				93		
Q1	5.1	4.8	106.2	102.0	37.6	37.4	100.5	99.5	38.7	38.6	100.3	100.5	11.5	11.3	101.8	104.5	91	94	96.8	94.8
R1	5.2	5.3	98.1	104.0	37.8	37.7	100.3	100.0	38.9	38.8	100.2	101.0	10.4	10.4	100.0	94.5	95	98	96.9	99.0
S1	4.8	4.7	102.1	96.0	38.3	38.4	99.7	101.3	38.4	38.5	99.7	99.7	11.7	11.6	100.9	106.4	94	99	94.9	97.9
T1		4.0				37.2				38.7				10.6				102		
V1		3.6				36.9				38.6				10.7				87		
Y1	5.5	5.0	110.0	110.0	38.5	38.4	100.3	101.8	39.5	39.5	100.0	102.6	10.4	10.2	102.0	94.5	95	92	103.3	99.0
Z1	5.8	5.6	103.6	116.0	37.8	38.1	99.2	100.0	37.9	38.2	99.2	98.4	10.6	10.2	103.9	96.4	90	97	92.8	93.8
A2	3.1	3.1	100.0	62.0	36.4	36.3	100.3	96.3	38.3	38.2	100.3	99.5	11.0	10.6	103.8	100.0	95	92	103.3	99.0
B2		5.8				37.9				38.8				11.1				93		
C2		6.0				38.4				39.1				11.2				96		
E2	5.5	5.7	96.5	110.0	37.6	37.9	99.2	99.5	38.5	38.7	99.5	100.0	11.2	10.8	103.7	101.8	97	97	100.0	101.0
F2	4.5	3.2	140.6	90.0	36.4	36.7	99.2	96.3	37.7	38.5	97.9	97.9	11.8	11.6	101.7	107.3	93	94	98.9	96.9
G2	4.8	5.1	94.1	96.0	37.2	37.4	99.5	98.4	38.4	38.5	99.7	99.7	11.8	11.7	100.8	107.3	91	90	101.1	94.8
H2	4.8	4.4	109.1	96.0	38.1	38.2	99.7	100.8	38.3	38.5	99.5	99.5	11.6	11.2	103.6	105.4	105	102	102.9	109.4
J2	5.4	5.1	105.9	108.0	38.3	38.1	100.5	101.3	38.4	38.2	100.5	99.7	11.4	11.4	100.0	103.6	93	95	97.9	96.9
L2	3.9	4.2	92.8	78.0	38.0	37.8	100.5	100.5	38.2	38.2	100.0	99.2	10.9	11.4	95.6	99.1	89	90	98.9	92.7
O2	5.4	5.8	93.1	108.0	37.7	37.6	100.3	99.7	37.9	37.8	100.3	98.4	11.4	11.5	99.1	103.6	104	102	102.0	108.3
P2	3.3	3.1	106.4	66.0	36.6	36.8	99.4	96.8	38.4	38.7	99.2	99.7	10.8	11.0	98.2	98.2	100	98	102.0	104.2
Q2	5.2	6.2	83.9	104.0	37.6	37.8	99.5	99.5	38.7	38.5	100.5	100.5	11.3	11.1	101.8	102.7	97	97	100.0	101.0
R2	5.7	5.7	100.0	114.0	38.3	38.2	100.3	101.3	38.4	38.3	100.3	99.7					91	94	96.8	94.8
T2		5.9				38.5				39.3				11.7				97		
W2	4.6	4.5	102.2	92.0	38.1	38.1	100.0	100.8	38.2	38.4	99.5	99.2	10.3	10.9	94.5	93.6	91	103	88.3	94.8
Y2		5.5				37.4				38.3				10.6				114		
B3	5.9	5.8	101.7	118.0	38.0	37.7	100.8	100.5	38.8	38.6	100.5	100.8	10.5	11.4	92.1	95.4	90	93	96.8	93.8
C3		4.2				37.6				39.0				10.4				98		
FKI DATA																				
CUR.																				
AV. 5.1																				
CUM.																				
AV. 5.0																				
IND.																				
*D 102.0																				
99.7																				
99.7																				
99.1																				
99.0																				

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

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

JANUARY, 1974

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	4.4	4.3	102.3	84.6	40.6	40.6	100.0	97.6	42.1	42.1	100.0	99.0	11.0	11.1	99.1	91.7	112	109	102.8	106.7
B1		4.6				42.2				42.3				12.1				105		
C1	3.7	4.5	82.2	71.2	40.3	40.4	99.8	96.9	42.1	41.8	100.7	99.0	12.3	12.0	102.5	102.5	110	115	95.6	104.8
D1	6.4	5.9	108.5	123.1	41.6	41.4	100.5	100.0	42.2	42.3	99.8	99.3	11.4	11.1	102.7	95.0	117	116	100.9	111.4
E1	5.1	5.0	102.0	98.1	42.0	42.1	99.8	101.0	42.1	42.2	99.8	99.0	12.5	12.7	98.4	104.2	100	103	97.1	95.2
F1	5.0	5.1	98.0	96.2	41.3	41.9	98.6	99.3	42.5	43.1	98.6	100.0	12.0	12.0	100.0	100.0	101	104	97.1	96.2
G1	7.3	7.3	100.0	140.4	41.8	42.1	99.3	100.5	42.0	42.3	99.3	98.8	12.5	12.6	99.2	104.2	99	102	97.0	94.3
H1	3.8	3.7	102.7	73.1	42.1	42.4	99.3	101.2	42.3	42.8	98.8	99.5	11.2	11.5	97.4	93.3	100	102	98.0	95.2
I1	6.6	6.0	110.0	126.9	42.0	42.4	99.0	101.0	42.1	42.4	99.3	99.0	12.3	12.0	102.5	102.5	106	105	101.0	101.0
K1	7.3	7.2	101.4	140.4	41.6	41.7	99.8	100.0	41.8	42.0	99.5	98.4	11.4	11.6	98.3	95.0	102	100	102.0	97.1
L1	5.4	5.2	103.8	103.8	41.9	41.7	100.5	100.7	43.0	42.9	100.2	101.2	11.2	11.7	95.7	93.3	106	108	98.1	101.0
N1	5.7	5.6	101.8	109.6	41.8	41.7	100.2	100.5	42.8	42.7	100.2	100.7	11.6	11.1	104.5	96.7	103	108	95.4	98.1
O1	5.3	5.3	100.0	101.9	41.7	42.0	99.3	100.2	42.8	43.1	99.3	100.7	11.9	12.4	96.0	99.2	101	103	98.0	96.2
Q1	5.0	4.8	104.2	96.2	41.3	41.3	100.0	99.3	42.5	42.6	99.8	100.0	12.6	12.5	100.8	105.0	100	102	98.0	95.2
R1	5.7	5.7	100.0	109.6	41.3	41.5	99.5	99.3	42.2	42.4	99.5	99.3	11.8	11.8	100.0	98.3	99	104	95.2	94.3
S1	4.9	4.9	100.0	94.2	42.2	42.4	99.5	101.4	42.3	42.6	99.3	99.5	12.5	12.7	98.4	104.2	104	105	99.0	99.0
T1	2.2	4.1	53.6	42.3	40.2	41.2	97.6	96.6	42.7	42.5	100.5	100.5	11.8	12.1	97.5	98.3	106	109	97.2	101.0
U1		5.2				42.3				42.4				12.2				104		
V1		4.1				40.7				42.3				11.5				100		
X1	5.2	5.0	104.0	100.0	41.4	41.3	100.2	99.5	42.6	42.5	100.2	100.2	11.8	11.9	99.2	98.3	102	103	99.0	97.1
Y1	5.6	6.3	88.9	107.7	42.3	42.4	99.8	101.7	43.3	43.1	100.5	101.9	11.4	11.2	101.8	95.0	103	103	100.0	98.1
Z1	5.7	5.8	98.3	109.6	42.1	42.2	99.8	101.2	42.2	42.3	99.8	99.3	11.3	11.4	99.1	94.2	104	102	102.0	99.0
A2	4.1	4.2	97.6	78.8	40.6	40.7	99.8	97.6	42.2	42.3	99.8	99.3	11.7	11.8	99.2	97.5	100	103	97.1	95.2
B2		6.4				41.7				42.4				12.0				102		
C2	5.7	5.7	100.0	109.6	41.2	41.7	98.8	99.0	42.1	42.6	98.8	99.0	12.0	12.0	100.0	100.0	96	102	94.1	91.4
E2		5.9				41.8				42.6				12.0				106		
F2	3.5	4.2	83.3	67.3	40.0	41.1	97.3	96.2	41.9	42.7	98.1	98.6	12.3	12.7	96.8	102.5	103	104	99.0	98.1
H2	4.7	4.7	100.0	90.4	42.1	42.0	100.2	101.2	42.3	42.3	100.0	99.5	12.1	12.5	96.8	100.8	110	109	100.9	104.8
I2		4.8				40.6				42.0				12.3				116		
J2	5.5	5.4	101.8	105.8	42.3	42.0	100.7	101.7	42.4	42.1	100.7	99.8	12.7	12.2	104.1	105.8	105	104	101.0	100.0
K2	5.3	4.7	112.8	101.9	42.2	41.7	101.2	101.4	43.3	43.2	100.2	101.9	13.2	12.8	103.1	110.0	103	105	98.1	98.1
L2	5.3	4.3	123.2	101.9	42.1	41.9	100.5	101.2	42.3	42.4	99.8	99.5	12.6	12.3	102.4	105.0	101	99	102.0	96.2
N2	4.8	5.0	96.0	92.3	42.6	42.5	100.2	102.4	43.0	42.9	100.2	101.2	12.5	12.2	102.4	104.2	101	100	101.0	96.2
O2	5.8	6.0	96.7	111.5	41.6	41.5	100.2	100.0	41.8	41.7	100.2	98.4	12.5	12.5	100.0	104.2	108	108	100.0	102.8
P2	3.6	3.4	105.9	69.2	40.7	41.0	99.3	97.8	42.6	42.6	100.0	100.2	12.3	12.1	101.6	102.5	107	108	99.1	101.9
Q2	6.1	6.1	100.0	117.3	41.6	41.8	99.5	100.0	42.3	42.6	99.3	99.5	12.1	12.0	100.8	100.8	102	105	97.1	97.1
R2	5.7	5.6	101.8	109.6	42.2	42.1	100.2	101.4	42.3	42.2	100.2	99.5					101	102	99.0	96.2
S2	6.3	6.1	103.3	121.2	41.9	41.7	100.5	100.7	42.6	42.5	100.2	100.2	12.7	12.5	101.6	105.8	105	105	100.0	100.0
T2	5.8	5.9	98.3	111.5	42.0	42.0	100.0	101.0	42.9	42.8	100.2	100.9	12.8	13.0	98.5	106.7	102	103	99.0	97.1
U2	5.7	5.6	101.8	109.6	41.6	41.5	100.2	100.0	42.6	42.5	100.2	100.2	12.8	13.0	98.5	106.7	104	104	100.0	99.0
V2		7.1				42.1				42.4				11.9				107		
W2	4.8	4.7	102.1	92.3	42.1	41.8	100.7	101.2	42.2	42.2	100.0	99.3	11.8	11.8	100.0	98.3	103	110	93.6	98.1
Y2	6.2	6.1	101.6	119.2	41.2	41.2	100.0	99.0	41.9	41.9	100.0	98.6	11.1	11.6	95.7	92.5	104	114	91.2	99.0
B3	6.0	6.2	96.8	115.4	41.4	41.7	99.3	99.5	42.2	42.5	99.3	99.3	12.0	12.7	94.5	100.0	104	100	104.0	99.0
C3	3.5	4.2	83.3	67.3	40.5	40.8	99.3	97.4	42.4	42.4	100.0	99.8	10.7	11.2	95.5	89.2	102	102	100.0	97.1
FKI DATA																				
CUR.																				
AV. 5.2																				
CUM.																				
AV. 5.2																				
IND.																				
*D 100.0																				

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

TABLE VIII
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB. FOURDRINIER KRAFT LINERBOARD
FEBRUARY, 1974

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	4.4	102.3	86.5	40.5	40.6	99.8	97.4	42.0	42.1	99.8	98.8	11.2	11.1	100.9	93.3	110	110	100.0	104.8
B1		4.6				42.2				42.3				12.1				105		
C1	4.8	4.4	109.1	92.3	40.3	40.4	99.8	96.9	41.6	41.9	99.3	97.9	12.3	12.0	102.5	102.5	106	114	93.0	101.0
D1	7.0	5.9	118.6	134.6	42.0	41.4	101.4	101.0	42.4	42.3	100.2	99.8	11.4	11.1	102.7	95.0	117	116	100.9	111.4
E1	5.7	5.0	114.0	109.6	42.0	42.1	99.8	101.0	42.1	42.2	99.8	99.0	12.6	12.8	98.4	105.0	102	103	99.0	97.1
F1	4.9	5.1	96.1	94.2	42.5	41.8	101.7	102.2	43.8	43.0	101.9	103.0	12.2	12.1	100.8	101.7	100	104	96.2	95.2
G1	7.4	7.3	101.4	142.3	42.1	42.0	100.2	101.2	42.3	42.2	100.2	99.5	12.7	12.6	100.8	105.8	97	102	95.1	92.4
H1	3.5	3.7	94.6	67.3	42.1	42.4	99.3	101.2	42.3	42.8	98.8	99.5	11.0	11.5	95.6	91.7	102	102	100.0	97.1
I1	6.5	6.1	106.6	125.0	41.9	42.3	99.0	100.7	42.0	42.4	99.0	98.8	12.1	12.1	100.0	100.8	107	105	101.9	101.9
K1	7.1	7.2	98.6	136.5	41.6	41.7	99.8	100.0	41.9	42.0	99.8	98.6	11.4	11.6	98.3	95.0	101	100	101.0	96.2
L1	5.4	5.2	103.8	103.8	41.9	41.8	100.2	100.7	43.0	42.9	100.2	101.2	11.2	11.7	95.7	93.3	104	107	97.2	99.0
N1	5.6	5.7	98.2	107.7	41.7	41.7	100.0	100.2	42.7	42.7	100.0	100.5	11.5	11.2	102.7	95.8	107	108	99.1	101.9
O1	5.2	5.3	98.1	100.0	41.7	42.0	99.3	100.2	42.9	43.1	99.5	100.9	12.2	12.3	99.2	101.7	101	103	98.0	96.2
Q1	5.0	4.9	102.0	96.2	41.3	41.3	100.0	99.3	42.5	42.6	99.8	100.0	12.6	12.5	100.8	105.0	100	102	98.0	95.2
R1	5.7	5.7	100.0	109.6	41.3	41.4	99.8	99.3	42.2	42.3	99.8	99.3	11.6	11.7	99.1	96.7	102	104	98.1	97.1
S1	4.9	4.9	100.0	94.2	42.1	42.4	99.3	101.2	42.2	42.6	99.1	99.3	12.6	12.6	100.0	105.0	102	105	97.1	97.1
T1	2.7	3.9	69.2	51.9	40.6	41.0	99.0	97.6	42.8	42.5	100.7	100.7	11.8	12.1	97.5	98.3	106	109	97.2	101.0
U1	4.9	5.2	94.2	94.2	42.8	42.3	101.2	102.9	42.9	42.4	101.2	100.9	12.7	12.2	104.1	105.8	101	104	97.1	96.2
V1		4.1				40.6				42.3				11.5				99		
X1	5.1	5.1	100.0	98.1	41.5	41.3	100.5	99.8	42.7	42.5	100.5	100.5	12.0	11.9	100.8	100.0	101	103	98.0	96.2
Y1	6.1	6.2	98.4	117.3	42.3	42.4	99.8	101.7	43.1	43.1	100.0	101.4	11.3	11.2	100.9	94.2	102	103	99.0	97.1
Z1	6.0	5.8	103.4	115.4	42.2	42.2	100.0	101.4	42.3	42.3	100.0	99.5	11.3	11.3	100.0	94.2	99	102	97.0	94.3
A2	4.4	4.2	104.8	84.6	40.7	40.7	100.0	97.8	42.2	42.3	99.8	99.3	11.9	11.8	100.8	99.2	102	103	99.0	97.1
B2		6.4				41.7				42.3				12.0				102		
C2	5.8	5.7	101.8	111.5	41.3	41.6	99.3	99.3	42.2	42.6	99.1	99.3	12.1	11.9	101.7	100.8	96	102	94.1	91.4
E2		5.9				41.7				42.6				11.9				106		
F2	4.0	4.1	97.6	76.9	40.5	41.0	98.8	97.4	42.2	42.6	99.1	99.3	12.4	12.6	98.4	103.3	104	104	100.0	99.0
H2	4.7	4.7	100.0	90.4	42.0	41.9	100.2	101.0	42.2	42.2	100.0	99.3	12.4	12.4	100.0	103.3	109	110	99.1	103.8
I2		4.8				40.4				41.7				12.1				120		
J2	5.8	5.4	107.4	111.5	42.2	42.0	100.5	101.4	42.3	42.2	100.2	99.5	12.5	12.3	101.6	104.2	101	104	97.1	96.2
K2	4.8	4.7	102.1	92.3	42.1	41.8	100.7	101.2	43.5	43.2	100.7	102.4	13.1	12.8	102.3	109.2	99	105	94.3	94.3
L2	4.3	4.4	97.7	82.7	42.0	42.0	100.0	101.0	42.2	42.3	99.8	99.3	12.0	12.3	97.6	100.0	101	99	102.0	96.2
N2	4.6	5.0	92.0	88.5	42.5	42.5	100.0	102.2	42.9	42.9	100.0	100.9	12.0	12.2	98.4	100.0	102	100	102.0	97.1
O2	5.8	6.0	96.7	111.5	41.4	41.5	99.8	99.5	41.6	41.7	99.8	97.9	12.5	12.5	100.0	104.2	105	108	97.2	100.0
P2	4.0	3.4	117.6	76.9	40.7	40.8	99.8	97.8	42.4	42.6	99.5	99.8	12.2	12.2	100.0	101.7	108	108	100.0	102.8
Q2	5.4	6.1	88.5	103.8	41.6	41.8	99.5	100.0	42.7	42.6	100.2	100.5	11.8	12.1	97.5	98.3	104	105	99.0	99.0
R2	5.7	5.6	101.8	109.6	41.9	42.1	99.5	100.7	42.0	42.2	99.5	98.8					100	102	98.0	95.2
S2	6.2	6.1	101.6	119.2	41.8	41.7	100.2	100.5	42.5	42.5	100.0	100.0	12.5	12.6	99.2	104.2	103	105	98.1	98.1
T2	6.1	5.9	103.4	117.3	41.8	42.0	99.5	100.5	42.6	42.8	99.5	100.2	12.7	12.9	98.4	105.8	102	103	99.0	97.1
U2	5.6	5.6	100.0	107.7	41.5	41.5	100.0	99.8	42.5	42.5	100.0	100.0	13.1	13.0	100.8	109.2	103	104	99.0	98.1
V2		7.1				42.1				42.4				11.9				107		
W2	4.9	4.7	104.2	94.2	42.0	42.0	100.0	101.0	42.1	42.2	99.8	99.0	11.3	11.8	95.8	94.2	102	110	92.7	97.1
Y2	6.0	6.2	96.8	115.4	41.4	41.2	100.5	99.5	42.2	41.9	100.7	99.3	11.2	11.6	96.6	93.3	104	113	92.0	99.0
B3	6.3	6.2	101.6	121.2	42.0	41.7	100.7	101.0	42.7	42.4	100.7	100.5	12.3	12.6	97.6	102.5	98	100	98.0	93.3
C3	3.7	4.1	90.2	71.2	40.5	40.7	99.5	97.4	42.3	42.4	99.8	99.5	11.1	11.1	100.0	92.5	100	102	98.0	95.2
FKI DATA																				
CUR.																				
AV. 5.3																				
CUM.																				
AV. 5.2																				
IND.																				
*D 101.9																				
100.0																				
99.8																				
100.0																				
98.1																				

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

TABLE IX
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB. FOURDRINIER KRAFT LINERBOARD
JANUARY, 1974

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				66.1				68.9				17.5				154		
D1	7.0	6.4	109.4	116.7	68.8	68.4	100.6	100.4	69.4	69.4	100.0	99.8	18.5	18.0	102.8	93.9	155	153	101.3	109.2
E1	6.0	5.6	107.1	100.0	68.7	69.0	99.6	100.3	68.9	69.2	99.6	99.1	19.7	19.1	103.1	100.0	138	150	92.0	97.2
G1	7.6	7.6	100.0	126.7	69.3	69.4	99.8	101.2	69.4	69.5	99.8	99.8	20.7	20.8	99.5	105.1	141	140	100.7	99.3
H1	4.9	4.9	100.0	81.7	69.0	69.2	99.7	100.7	69.3	69.8	99.3	99.7	19.9	19.7	101.0	101.0	133	135	98.5	93.7
I1	7.4	6.8	108.8	123.3	68.4	69.3	98.7	99.8	68.6	69.5	98.7	98.7	19.3	20.1	96.0	98.0	147	149	98.6	103.5
K1	8.9	8.9	100.0	148.3	68.6	68.6	100.0	100.1	67.8	67.8	100.0	97.6	18.8	18.8	100.0	95.4	137	137	100.0	96.5
L1	5.6	5.5	101.8	93.3	68.2	68.2	100.0	99.6	69.8	69.9	99.8	100.4	20.5	20.5	100.0	104.1	133	135	98.5	93.7
N1	5.9	6.0	98.3	98.3	68.7	68.6	100.1	100.3	70.1	69.9	100.3	100.9	19.4	19.4	100.0	98.5	132	137	96.4	93.0
O1	6.0	6.1	98.4	100.0	68.6	68.5	100.1	100.1	70.0	69.8	100.3	100.7	19.7	19.8	99.5	100.0	136	136	100.0	95.8
R1	7.0	6.8	102.9	116.7	68.6	68.7	99.8	100.1	69.2	69.5	99.6	99.6	21.1	20.5	102.9	107.1	127	135	94.1	89.4
S1	5.5	5.5	100.0	91.7	69.4	69.8	99.4	101.3	69.6	70.2	99.1	100.1	20.8	20.2	103.0	105.6	137	140	97.8	96.5
T1	3.9	4.9	79.6	65.0	67.1	67.8	99.0	98.0	69.9	69.6	100.4	100.6	20.3	20.4	99.5	103.0	145	148	98.0	102.1
U1	5.6	5.7	98.2	93.3	69.6	69.4	100.3	101.6	69.8	69.6	100.3	100.4	20.3	20.2	100.5	103.0	148	145	102.1	104.2
V1		4.4				67.1				69.5				19.6				142		
X1	5.4	5.2	103.8	90.0	68.0	68.0	100.0	99.3	69.8	69.9	99.8	100.4	19.0	18.8	101.1	96.4	136	139	97.8	95.8
Y1	7.4	8.4	88.1	123.3	68.6	68.9	99.6	100.1	68.9	68.5	100.6	99.1	18.8	18.5	101.6	95.4	140	139	100.7	98.6
Z1	6.2	6.3	98.4	103.3	69.1	69.2	99.8	100.9	69.3	69.4	99.8	99.7	19.6	19.4	101.0	99.5	147	141	104.2	103.5
A2	4.8	4.8	100.0	80.0	67.1	67.0	100.1	98.0	69.3	69.2	100.1	99.7	19.5	19.2	101.6	99.0	137	139	98.6	96.5
B2		7.0				68.8				69.4				19.3				141		
C2	6.3	6.7	94.0	105.0	68.1	69.1	98.6	99.4	69.2	70.0	98.8	99.6	19.3	19.4	99.5	98.0	135	139	97.1	95.1
F2	5.1	5.3	96.2	85.0	67.1	68.1	98.5	98.0	69.0	70.0	98.6	99.3	20.3	20.6	98.5	103.0	138	141	97.9	97.2
H2	4.6	5.2	88.5	76.7	69.2	68.9	100.4	101.0	69.5	69.4	100.1	100.0	21.2	21.0	101.0	107.6	143	145	98.6	100.7
I2	5.6	5.6	100.0	93.3	67.8	67.7	100.1	99.0	69.4	69.3	100.1	99.8	18.6	18.6	100.0	94.4	144	154	93.5	101.4
K2	5.0	5.0	100.0	83.3	67.7	68.4	99.0	98.8	69.7	70.4	99.0	100.3	21.9	21.6	101.4	111.2	145	140	103.6	102.1
N2	5.9	5.7	103.5	98.3	68.6	68.9	99.6	100.1	69.2	69.5	99.6	99.6	18.9	18.9	100.0	95.9	143	140	102.1	100.7
O2	6.3	6.5	96.9	105.0	68.2	68.4	99.7	99.6	68.5	68.7	99.7	98.6	20.0	19.7	101.5	101.5	152	149	102.0	107.0
P2	3.9	4.4	88.6	65.0	66.9	67.8	98.7	97.7	69.7	69.9	99.7	100.3	19.9	20.0	99.5	101.0	144	146	98.6	101.4
Q2	7.1	7.2	98.6	118.3	68.3	68.7	99.4	99.7	68.8	69.1	99.6	99.0	19.5	19.3	101.0	99.0	145	149	97.3	102.1
R2	5.9	5.8	101.7	98.3	68.9	69.0	99.8	100.6	69.1	69.2	99.8	99.4					136	143	95.1	95.8
S2	6.8	6.3	107.9	113.3	68.9	68.5	100.6	100.6	69.7	69.6	100.1	100.3	19.7	19.9	99.0	100.0	139	140	99.3	97.9
T2	7.0	7.2	97.2	116.7	68.2	68.5	99.6	99.6	68.8	68.9	99.8	99.0	21.6	21.1	102.4	109.6	139	140	99.3	97.9
V2		7.2				69.7				70.2				19.3				142		
H2	5.7	5.2	109.6	95.0	68.9	68.8	100.1	100.6	69.1	69.3	99.7	99.4	19.2	18.3	104.9	97.5	130	147	88.4	91.5
Y2		7.0				68.0				68.6				19.2				141		
B3	6.6	6.7	98.5	110.0	68.6	68.6	100.0	100.1	69.5	69.5	100.0	100.0	20.3	20.9	97.1	103.0	136	134	101.5	95.8
C3	6.5	6.3	103.2	108.3	68.5	68.3	100.3	100.0	69.5	69.4	100.1	100.0	19.1	19.2	99.5	97.0	133	135	98.5	93.7
FKI DATA																				
CUR.																				
AV. 6.0																				
CUM.																				
AV. 6.0																				
IND.																				
*D 100.0																				
99.8																				
99.7																				
100.5																				
98.6																				

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

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

FEBRUARY, 1974

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB./ M SQ. FT.				ACJ. 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				66.1				68.9				17.4				155		
D1	7.0	6.4	109.4	116.7	68.6	68.4	100.3	100.1	69.2	69.4	99.7	99.7	18.6	18.1	102.8	94.4	161	153	105.2	113.4
E1	6.4	5.6	114.3	106.7	68.6	68.9	99.6	100.1	68.8	69.1	99.6	99.1	20.2	19.3	104.7	102.5	139	149	93.3	97.9
G1	7.7	7.7	100.0	128.3	69.8	69.4	100.6	101.9	69.9	69.4	100.7	100.7	21.0	20.8	101.0	106.6	138	140	98.6	97.2
H1	4.9	4.9	100.0	81.7	69.1	69.3	99.7	100.9	69.4	69.7	99.6	100.0	18.8	19.7	95.4	95.4	135	135	100.0	95.1
I1	7.5	6.8	110.3	125.0	68.4	69.2	98.8	99.8	68.6	69.4	98.8	98.8	18.9	20.0	94.5	95.9	150	148	101.4	105.6
K1	9.2	8.9	103.4	153.3	68.5	68.6	99.8	100.0	67.5	67.8	99.6	97.3	19.4	18.8	103.2	98.5	137	137	100.0	96.5
L1	5.6	5.5	101.8	93.3	68.4	68.3	100.1	99.8	70.0	70.0	100.0	100.9	20.0	20.5	97.6	101.5	135	135	100.0	95.1
M1	6.5			108.3	68.6			100.1	69.6			100.3	19.3			98.0	143			100.7
N1	5.9	6.0	98.3	98.3	68.5	68.6	99.8	100.0	69.9	69.9	100.0	100.7	19.8	19.4	102.1	100.5	138	137	100.7	97.2
O1	6.1	6.1	100.0	101.7	68.5	68.5	100.0	100.0	69.7	69.8	99.8	100.4	20.2	19.8	102.0	102.5	132	136	97.0	93.0
R1	7.0	6.8	102.9	116.7	68.4	68.6	99.7	99.8	69.0	69.4	99.4	99.4	21.0	20.6	101.9	106.6	126	134	94.0	88.7
S1	5.4	5.5	98.2	90.0	69.3	69.8	99.3	101.2	69.5	70.1	99.1	100.1	20.4	20.2	101.0	103.6	137	139	98.6	96.5
T1	3.8	4.8	79.2	63.3	67.1	67.7	99.1	98.0	70.0	69.7	100.4	100.9	19.8	20.4	97.0	100.5	146	148	98.6	102.8
U1	5.5	5.7	96.5	91.7	69.7	69.4	100.4	101.8	69.9	69.6	100.4	100.7	20.3	20.2	100.5	103.0	142	146	97.3	100.0
V1		4.4				66.9				69.4				19.6				142		
X1	5.4	5.2	103.8	90.0	68.3	68.0	100.4	99.7	70.1	69.9	100.3	101.0	19.2	18.8	102.1	97.5	136	139	97.8	95.8
Y1	7.4	8.3	89.2	123.3	68.7	68.9	99.7	100.3	69.0	68.5	100.7	99.4	18.8	18.5	101.6	95.4	137	140	97.8	96.5
Z1	6.2	6.2	100.0	103.3	69.2	69.2	100.0	101.0	69.4	69.4	100.0	100.0	19.9	19.2	103.6	101.0	132	143	92.3	93.0
A2	5.1	4.8	106.2	85.0	67.3	67.1	100.3	98.2	69.3	69.2	100.1	99.8	18.9	19.3	97.9	95.9	137	139	98.6	96.5
B2		7.1				68.9				69.4				19.4				141		
C2		6.6				68.9				69.8				19.4				138		
F2	6.0	5.3	113.2	100.0	68.0	68.0	100.0	99.3	69.4	69.9	99.3	100.0	19.7	20.5	96.1	100.0	138	141	97.9	97.2
H2	4.1	5.2	78.8	68.3	69.0	68.9	100.1	100.7	69.3	69.3	100.0	99.8	20.4	21.0	97.1	103.6	146	145	100.7	102.8
I2	5.2	5.6	92.8	86.7	67.1	67.7	99.1	98.0	69.0	69.4	99.4	99.4	18.3	18.6	98.4	92.9	146	153	95.4	102.8
K2		5.1				68.3				70.2				21.6				141		
N2	5.9	5.8	101.7	98.3	69.2	68.9	100.4	101.0	69.8	69.5	100.4	100.6	19.1	18.9	101.0	97.0	142	140	101.4	100.0
O2	6.1	6.5	93.8	101.7	68.2	68.3	99.8	99.6	68.5	68.6	99.8	98.7	21.0	19.8	106.1	106.6	141	148	95.3	99.3
P2	3.4	4.3	79.1	56.7	66.4	67.6	98.2	96.9	69.6	69.9	99.6	100.3	19.4	20.0	97.0	98.5	145	146	99.3	102.1
Q2	6.9	7.2	95.8	115.0	68.2	68.6	99.4	99.6	68.9	69.1	99.7	99.3	18.8	19.3	97.4	95.4	149	149	100.0	104.9
R2	5.7	5.8	98.3	95.0	68.8	69.0	99.7	100.4	69.0	69.2	99.7	99.4					133	142	93.7	93.7
S2	7.1	6.4	110.9	118.3	69.0	68.5	100.7	100.7	69.6	69.6	100.0	100.3	19.7	19.9	99.0	100.0	136	139	97.8	95.8
T2	7.1	7.2	98.6	118.3	68.3	68.4	99.8	99.7	68.8	68.9	99.8	99.1	21.3	21.1	100.9	108.1	138	140	98.6	97.2
V2		7.2		120.0		69.6		101.6		70.1		101.0	19.5			99.0	142			100.0
W2	5.7	5.2	109.6	95.0	68.9	68.9	100.0	100.6	69.1	69.3	99.7	99.6	18.6	18.4	101.1	94.4	136	145	93.8	95.8
Y2	7.1	7.0	101.4	118.3	69.1	68.0	101.6	100.9	69.7	68.6	101.6	100.4	18.7	19.2	97.4	94.9	140	141	99.3	98.6
B3	6.9	6.7	103.0	115.0	69.1	68.6	100.7	100.9	69.8	69.4	100.6	100.6	20.9	21.0	99.5	106.1	136	134	101.5	95.8
C3	7.4	6.3	117.5	123.3	68.9	68.3	100.9	100.6	69.2	69.4	99.7	99.7	19.4	19.2	101.0	98.5	136	135	100.7	95.8
FKI DATA																				
CUR.																				
AV. 6.2																				
CUM.																				
AV. 6.0																				
IND.																				
*D 103.3																				
100.1																				
100.0																				
100.0																				
98.6																				

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

TABLE XI
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB. FOURDRINIER KRAFT LINERBOARD
JANUARY, 1974

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
D1	7.0	6.5	107.7	109.4	89.8	89.4	100.4	100.3	90.6	90.6	100.0	100.1	23.9	24.1	99.2	93.7	186	178	104.5	109.4
E1		5.2				90.3				90.6				24.9				175		
I1		6.7				90.7				91.0				25.2				176		
M1	7.7	7.9	97.5	120.3	90.5	90.3	100.2	101.1	90.6	90.2	100.4	100.1	23.7	23.8	99.6	92.9	171	167	102.4	100.6
N1		6.2				89.5				91.0				25.0				157		
O1	6.6	6.0	110.0	103.1	89.2	88.5	100.8	99.7	90.4	90.2	100.2	99.9	25.5	25.9	98.4	100.0	160	165	97.0	94.1
S1		5.7				91.3				92.1				27.2				164		
T1	5.0	5.2	96.2	78.1	87.8	88.9	98.8	98.1	90.4	91.0	99.3	99.9	25.8	26.8	96.3	101.2	177	178	99.4	104.1
U1	5.7	5.7	100.0	89.1	90.7	90.4	100.3	101.3	91.0	90.7	100.3	100.6	27.2	26.3	103.4	106.7	176	173	101.7	103.5
V1		5.1				88.4				91.0				26.1				170		
Y1	7.7	8.7	88.5	120.3	90.8	89.7	101.2	101.4	90.9	88.8	102.4	100.4	24.7	24.5	100.8	96.9	171	169	101.2	100.6
A2	5.0	5.0	100.0	78.1	87.5	87.7	99.8	97.8	90.1	90.3	99.8	99.6	26.0	25.7	101.2	102.0	156	161	96.9	91.8
B2		7.3				89.8				90.4				24.8				173		
C2		6.9				89.8				90.6				25.3				162		
F2	4.8	5.6	85.7	75.0	87.6	89.1	98.3	97.9	90.5	91.2	99.2	100.0	27.4	26.8	102.2	107.4	168	167	100.6	98.8
H2	5.8	5.9	98.3	90.6	90.0	89.7	100.3	100.6	90.4	90.1	100.3	99.9	26.3	26.4	99.6	103.1	172	176	97.7	101.2
I2	5.6	6.0	93.3	87.5	88.5	88.8	99.7	98.9	90.6	90.5	100.1	100.1	24.2	24.4	99.2	94.9	168	182	92.3	98.8
P2		4.2				88.0				91.3				26.4				177		
Q2	7.6	7.6	100.0	118.8	89.0	89.6	99.3	99.4	89.2	89.7	99.4	98.6	25.8	25.6	100.8	101.2	173	174	99.4	101.8
R2	6.0	5.7	105.3	93.8	88.1	89.7	98.2	98.4	88.4	90.0	98.2	97.7					163	169	96.4	95.9
S2	6.6	6.6	100.0	103.1	90.5	89.9	100.7	101.1	91.7	91.1	100.6	101.3	26.6	26.8	99.2	104.3	167	172	97.1	98.2
W2	5.1	5.9	86.4	79.7	89.1	89.4	99.7	99.6	89.4	90.6	98.7	98.8	25.2	24.2	104.1	98.8	152	170	89.4	89.4
B3		6.5				89.5				90.8				26.9				168		
C3	6.5	6.2	104.8	101.6	89.2	89.0	100.2	99.7	90.4	90.6	99.8	99.9	24.1	24.9	96.8	94.5	162	161	100.6	95.3
FKI DATA																				
CUR.																				
AV. 6.2																				
CUM.																				
AV. 6.4																				
IND.																				
*D 96.9																				
99.7																				
99.8																				
99.6																				
98.8																				

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

TABLE XII
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB. FOURDRINIER KRAFT LINERBOARD
FEBRUARY, 1974

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
D1	7.1	6.6	107.6	110.9	89.5	89.4	100.1	100.1	90.2	90.6	99.6	99.8	23.5	24.1	97.5	92.2	183	178	102.8	107.6
E1	6.3	5.3	118.9	98.4	89.4	90.4	98.9	100.0	89.7	90.7	98.9	99.2	27.4	25.1	109.2	107.4	169	175	96.6	99.4
I1	7.4	6.7	110.4	115.6	89.3	90.6	98.6	99.9	89.6	90.9	98.6	99.1	26.5	25.3	104.7	103.9	164	176	93.2	96.5
M1	7.7	7.9	97.5	120.3	90.4	90.4	100.0	101.1	90.5	90.3	100.2	100.1	24.1	23.9	100.8	94.5	175	167	104.8	102.9
N1	6.2	6.2	100.0	96.9	89.5	89.5	100.0	100.1	91.0	91.0	100.0	100.7	26.9	25.0	107.6	105.5	148	157	94.3	87.0
D1		6.3				88.6				90.0				25.8				164		
S1		5.7				91.3				92.1				27.2				164		
I1	4.2	5.1	82.4	65.6	88.5	88.8	99.7	99.0	92.0	91.0	101.1	101.8	26.5	26.7	99.2	103.9	178	178	100.0	104.7
U1	5.5	5.7	96.5	85.9	90.7	90.4	100.3	101.4	91.0	90.7	100.3	100.7	26.9	26.3	102.3	105.5	171	173	98.8	100.6
V1		5.1				88.2				90.7				26.0				170		
Y1	8.0	8.6	93.0	125.0	90.9	89.8	101.2	101.7	90.7	89.0	101.9	100.3	25.2	24.5	102.8	98.8	167	169	98.8	98.2
A2	4.9	5.0	98.0	76.6	87.0	87.7	99.2	97.3	89.7	90.3	99.3	99.2	25.4	25.7	98.8	99.6	155	160	96.9	91.2
B2		7.3				89.9				90.3				24.8				173		
C2		6.9				89.5				90.4				25.5				162		
F2	6.0	5.6	107.1	93.8	88.5	89.0	99.4	99.0	90.3	91.1	99.1	99.9	26.4	26.8	98.5	103.5	165	167	98.8	97.0
H2	6.6	5.9	111.9	103.1	90.3	89.6	100.8	101.0	90.8	90.1	100.8	100.4	26.6	26.4	100.8	104.3	171	175	97.7	100.6
I2	5.8	6.0	96.7	90.6	88.6	88.7	99.9	99.1	90.5	90.5	100.0	100.1	24.3	24.4	99.6	95.3	167	181	92.3	98.2
P2		4.2				88.0				91.3				26.4				177		
Q2	7.4	7.6	97.4	115.6	89.7	89.5	100.2	100.3	90.1	89.7	100.4	99.7	24.9	25.6	97.3	97.6	177	175	101.1	104.1
R2		5.8				89.5				89.8								168		
S2	7.6	6.6	115.2	118.8	90.9	90.0	101.0	101.7	91.1	91.1	100.0	100.8	27.2	26.7	101.9	106.7	168	172	97.7	98.8
W2	5.4	5.8	93.1	84.4	89.8	89.5	100.3	100.4	90.1	90.3	99.8	99.7	25.1	24.4	102.9	98.4	160	165	97.0	94.1
B3		6.7				89.4				90.4				27.0				167		
C3	6.9	6.3	109.5	107.8	89.6	89.0	100.7	100.2	90.5	90.5	100.0	100.1	25.0	24.8	100.8	98.0	162	161	100.6	95.3
FKI DATA																				
CUR.																				
AV. 6.4																				
CUM.																				
AV. 6.4																				
IND.																				
*D 100.0																				
100.1																				
100.1																				
100.8																				
98.8																				

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

Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XIII. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and FKI 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 XIII
DATA ON CONDITIONING AND TESTING ENVIRONMENTS
JANUARY AND FEBRUARY, 1974

Code	Conditioning Environment				Testing Environment
	Are Quality Samples Condition Before Testing?	Procedure	Temp., °F	RH, %	Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
A1	No	--	--	--	No
B1	Yes	15 min	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
C1	No	--	--	--	No
D1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
E1	No	--	--	--	No
F1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
G1	No	--	--	--	No
H1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
I1	No	--	--	--	No
J1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
K1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 3% RH
L1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
M1	No	--	--	--	No
N1	No	--	--	--	No
O1	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
P1	Yes	20 min	72	--	Yes: 72 ± 2°F; 50 ± 2% RH
Q1	No	--	--	--	Yes: 73 ± 3°F; 50% RH
R1	No	--	--	--	Yes: 73 ± 4°F; 50 ± 10% RH
S1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
T1	No	--	--	--	No
U1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
V1	No data submitted for January and February				
W1	No data submitted for January and February				
X1	No	--	--	--	No
Y1	No	--	--	--	No
Z1	No	--	--	--	Yes: 75 ± 5°F; 50 ± 5% RH
A2	No	--	--	--	No
B2	No data submitted for January and February				
C2	No	--	--	--	Yes: 73 ± 4°F; 50 ± 10% RH
D2	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
E2	No	--	--	--	No
F2	No	--	--	--	No
G2	No	--	--	--	No
H2	Yes	5-20 min	--	--	Yes: 72 ± 1°F; 50 ± 5% RH
I2	No	--	--	--	No
J2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
K2	No	--	--	--	Yes: 72 ± 3.5°F; 50 ± 2% RH
L2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
M2	No data submitted for January and February				
N2	Yes	--	73	50	Yes: 73°F; 50 ± 2% RH
O2	Yes	15 min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
P2	No	--	--	--	No
Q2	No	--	--	--	No
R2	No	--	--	--	No
S2	No	--	--	--	Yes: 70 ± 3°F; 50 ± 3% RH
T2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
U2	No	--	--	--	Yes: 70 ± 3°F; 50 ± 3% RH
V2	No	--	--	--	Yes: 72 ± 2°F; 55 ± 5% RH
W2	No	--	--	--	No
X2	No data submitted for January and February				
Y2	No	--	--	--	No
Z2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
A3	Yes	20 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
B3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
C3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 5% RH

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RCM McKee

R. C. McKee, Chairman
Container Section

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 FKI 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 (%) = $\left[\frac{\text{Current machine average}}{\text{Cumulative FKI average}} \right] \cdot 100$ where

$$\text{Cumulative FKI average} = \sum \frac{\text{CFKIA's}^b \text{ for previous 12 months excluding CFKIA for current month}}{12}$$

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

$$\text{Current FKI average} = \sum \frac{\text{CMA's}^a \text{ for current month for all machines}}{\text{Number of machines}}$$

^aCMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given month on a specific machine.

^bCFKIA = current FKI average for a specific physical property of a specific linerboard grade weight obtained during a given month.