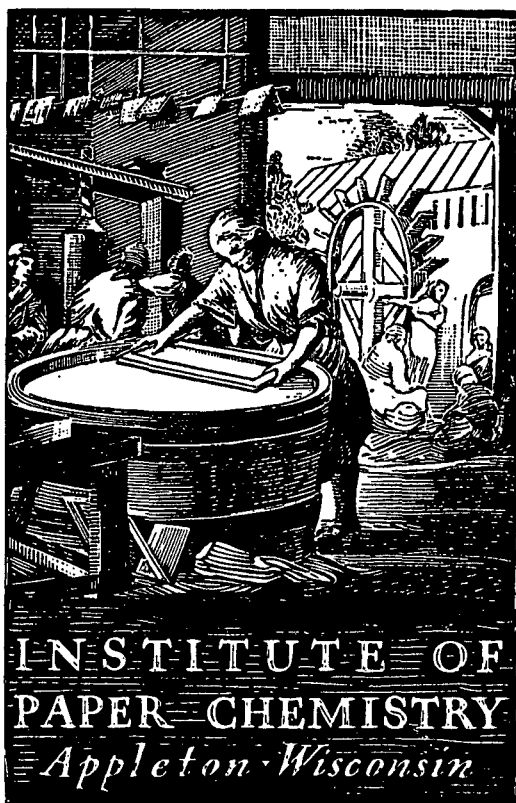




BASE-LINE
SEPTEMBER-OCTOBER, 1974

**CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR
SEPTEMBER AND OCTOBER, 1974)**

Project 2694-1

Report Forty-Seven

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

December 23, 1974

RECEIVED DEC 30 1974

BASE-LINE
SEPTEMBER-OCTOBER, 1974

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR SEPTEMBER AND OCTOBER, 1974)

Project 2694-1

Report Forty-Seven

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

December 23, 1974

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 AUGUST AND SEPTEMBER, 1974)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA
(JULY-OCTOBER, 1974)

Linerboard Grade Wt.		Moisture Content			
		July	August	September	October
26 Lb	Max. ^a	6.0	7.1	6.5	6.0
	Min. ^a	2.8	0.4	2.3	0.4
	Av. ^b	4.6 (15)	4.6 (14)	4.4 (18)	4.1 (18)
33 Lb	Max. ^a	5.9	6.6	6.4	6.4
	Min. ^a	1.8	1.7	1.5	1.7
	Av. ^b	4.8 (24)	4.6 (20)	4.5 (22)	4.5 (23)
38 Lb	Max. ^a	7.3	7.2	7.0	7.1
	Min. ^a	2.1	3.2	3.2	2.8
	Av. ^b	5.2 (19)	5.2 (21)	5.4 (16)	5.2 (21)
42 Lb	Max. ^a	7.5	7.4	7.1	7.3
	Min. ^a	2.4	3.1	3.3	3.2
	Av. ^b	5.3 (39)	5.3 (35)	5.3 (35)	5.3 (38)
69 Lb	Max. ^a	8.6	8.8	7.8	7.6
	Min. ^a	3.5	3.8	3.7	3.8
	Av. ^b	6.2 (31)	6.1 (31)	6.0 (28)	6.0 (30)
90 Lb	Max. ^a	8.2	8.9	8.0	8.3
	Min. ^a	3.8	4.0	4.1	3.5
	Av. ^b	6.3 (14)	6.3 (15)	6.1 (14)	6.1 (14)

^aCurrent machine average.

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

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA
(JULY-OCTOBER, 1974)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M ft ²			
		July	August	September	October
26 Lb	Max. ^a	26.7	28.3	28.2	28.1
	Min. ^a	25.8	26.1	26.1	26.1
	Av. ^b	26.4 (15)	26.6 (14)	26.6 (18)	26.6 (18)
33 Lb	Max. ^a	35.2	36.1	35.8	36.7
	Min. ^a	32.9	33.0	33.1	32.6
	Av. ^b	33.5 (24)	33.5 (20)	33.6 (22)	33.6 (23)
38 Lb	Max. ^a	39.8	39.8	39.1	39.5
	Min. ^a	38.0	37.8	37.7	37.6
	Av. ^b	38.5 (19)	38.5 (21)	38.3 (16)	38.5 (21)
42 Lb	Max. ^a	44.6	46.4	45.6	45.7
	Min. ^a	41.6	41.9	42.0	41.8
	Av. ^b	42.4 (39)	42.5 (35)	42.5 (35)	42.5 (38)
69 Lb	Max. ^a	71.6	72.4	70.4	70.7
	Min. ^a	68.1	67.8	68.3	68.3
	Av. ^b	69.4 (31)	69.4 (31)	69.4 (28)	69.4 (30)
90 Lb	Max. ^a	91.0	91.2	91.5	91.8
	Min. ^a	89.5	89.2	89.5	88.4
	Av. ^b	90.4 (14)	90.5 (15)	90.5 (14)	90.4 (14)

^aCurrent machine average.

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

PART III: SUMMARY OF CALIPER DATA
(JULY-OCTOBER, 1974)

Linerboard Grade Wt.		Caliper, pt.			
		July	August	September	October
26 Lb	Max. ^a	9.3	9.1	8.8	9.0
	Min. ^a	7.5	6.8	7.4	6.8
	Av. ^b	7.9 (15)	8.1 (14)	8.0 (17)	7.9 (17)
33 Lb	Max. ^a	11.2	11.7	10.7	11.2
	Min. ^a	8.7	9.0	8.6	9.0
	Av. ^b	9.9 (23)	10.0 (20)	9.9 (21)	10.0 (22)
38 Lb	Max. ^a	12.1	12.2	12.7	12.2
	Min. ^a	9.9	9.9	10.0	9.7
	Av. ^b	10.9 (18)	11.0 (20)	11.1 (15)	10.8 (20)
42 Lb	Max. ^a	14.4	14.4	13.5	13.0
	Min. ^a	11.0	11.0	10.9	10.8
	Av. ^b	12.1 (38)	12.1 (34)	12.1 (34)	12.0 (37)
69 Lb	Max. ^a	22.6	22.1	21.2	21.2
	Min. ^a	17.9	17.5	17.8	18.4
	Av. ^b	19.7 (30)	19.8 (30)	19.6 (27)	19.7 (29)
90 Lb	Max. ^a	27.1	27.6	27.4	26.6
	Min. ^a	22.6	23.9	23.6	24.2
	Av. ^b	25.2 (14)	25.4 (15)	25.3 (14)	25.5 (14)

^aCurrent machine average.

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

PART IV: SUMMARY OF BURSTING STRENGTH DATA
(JULY-OCTOBER, 1974)

Linerboard Grade Wt.		Bursting Strength, psig			
		July	August	September	October
26 Lb	Max. ^a	81	81	77	83
	Min. ^a	65	61	62	63
	Av. ^b	71 (15)	69 (14)	69 (18)	70 (18)
33 Lb	Max. ^a	97	99	93	99
	Min. ^a	74	74	76	76
	Av. ^b	85 (24)	84 (19)	83 (22)	85 (23)
38 Lb	Max. ^a	107	115	100	110
	Min. ^a	87	85	85	86
	Av. ^b	95 (19)	96 (21)	94 (16)	96 (21)
42 Lb	Max. ^a	114	112	112	117
	Min. ^a	96	96	95	95
	Av. ^b	103 (39)	103 (35)	103 (35)	104 (38)
69 Lb	Max. ^a	163	149	150	145
	Min. ^a	127	128	132	134
	Av. ^b	140 (31)	138 (31)	140 (28)	139 (30)
90 Lb	Max. ^a	182	179	176	178
	Min. ^a	158	153	157	155
	Av. ^b	168 (14)	166 (14)	166 (14)	167 (14)

^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

MOISTURE CONTENT, PERCENT	BASIS WT., LB / M SQ FT	ADJ. BASIS WT.,*A LB / M SQ FT	CALIPER, PT	BURSTING STRENGTH, PSIG
------------------------------	----------------------------	-----------------------------------	-------------	----------------------------

FKI DATA				
CUR.				
AV.	4.4	25.9	26.6	7.9
CUM.				
AV.	4.5	25.6	26.4	7.9
IND.				
*D	97.8	101.2	100.8	100.0
				97.2

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
OCTOBER, 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
B1	0.8			17.8	24.6			95.7	26.5			100.4	8.1			102.5	66			93.0
F1	2.8	3.3	84.8	62.2	25.3	25.1	100.8	98.4	26.7	25.4	101.1	101.1	8.0	7.8	102.6	101.3	83	80	103.8	116.9
G1		6.3				25.5				25.9				7.9				73		
H1		3.1				26.6				26.7				8.4				67		
J1	6.0	5.8	103.4	133.3	25.6	25.7	99.6	99.6	26.1	26.2	99.6	98.9	7.6	7.6	100.0	96.2	63	68	92.6	88.7
K1		5.1				25.7				25.8				8.0				73		
L1	5.0	5.0	100.0	111.1	25.6	25.5	100.4	99.6	26.4	26.2	100.8	100.0	8.5	7.7	110.4	107.6	68	68	100.0	95.8
M1		3.9				26.7				26.8				8.0				74		
Q1	0.4	0.6	66.7	8.9	24.4	24.6	99.2	94.9	26.4	26.5	99.6	100.0	7.6	7.8	97.4	96.2	64	66	97.0	90.1
S1		3.6				26.5				26.6				8.3				66		
T1	4.9	4.8	102.1	108.9	25.6	25.6	100.0	99.6	26.4	26.4	100.0	100.0	7.8	7.6	102.6	98.7	67	68	98.5	94.4
W1		6.7				25.9				26.1				7.9				76		
A2	5.0	4.9	102.0	111.1	26.1	25.9	100.8	101.6	26.9	26.7	100.7	101.9	9.0	8.6	104.6	113.9	68	68	100.0	95.8
C2	4.0	3.8	105.3	88.9	25.2	25.1	100.4	98.0	26.2	26.2	100.0	99.2	7.4	7.5	98.7	93.7	80	76	105.3	112.7
D2	5.9	5.8	101.7	131.1	25.9	25.8	100.4	100.8	26.4	26.2	100.8	100.0	6.8	7.4	91.9	86.1	74	76	97.4	104.2
F2		2.5				25.3				26.7				7.2				83		
G2		4.1				26.8				26.9				7.9				74		
H2	4.6	5.4	85.2	102.2	26.4	26.4	100.0	102.7	26.5	26.5	100.0	100.4	8.2	8.8	93.2	103.8	71	67	106.0	100.0
I2	3.5	4.2	83.3	77.8	26.8	26.9	99.6	104.3	28.1	28.0	100.4	106.4	7.9	8.4	94.0	100.0	63	61	103.3	88.7
J2	4.8	5.0	96.0	106.7	25.4	25.4	100.0	98.8	26.2	26.2	100.0	99.2	7.9	7.8	101.3	100.0	66	66	100.0	93.0
O2		1.8				24.8				26.4				7.4				81		
Q2	3.1	2.7	114.8	68.9	25.3	25.0	101.2	98.4	26.6	26.4	100.8	100.8	8.4	8.2	102.4	106.3	71	73	97.3	100.0
R2		4.0				26.2				26.6				7.4				65		
S2	3.6	4.2	85.7	80.0	25.9	25.7	100.8	100.8	27.1	26.7	101.5	102.6	7.9	7.9	100.0	100.0	69	71	97.2	97.2
U2	4.1	4.5	91.1	91.1	25.4	25.5	99.6	98.8	26.4	26.4	100.0	100.0	7.4	7.5	98.7	93.7	66	66	100.0	93.0
V2	5.7	5.8	98.3	126.7	26.0	26.0	100.0	101.2	26.6	26.6	100.0	100.8	8.5	8.6	98.8	107.6	78	76	102.6	109.8
Y2	5.8	6.2	93.5	128.9	26.0	26.1	99.6	101.2	26.1	26.2	99.6	98.9					69	66	104.5	97.2
D3	3.4			75.6	27.3			106.2	27.4			103.8	7.5			94.9	70			98.6
FKI DATA																				
CUR.																				
AV. 4.1																				
CUM.																				
AV. 4.5																				
IND.																				
*D 91.1																				
100.0																				
100.8																				
100.0																				
98.6																				

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

SEPTEMBER, 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	
B1	1.6	1.2	133.3	35.6	31.4	31.2	100.6	96.3	33.5	33.4	100.3	100.3	10.5	10.0	105.0	107.1	83	85	97.6	97.6	
F1		4.6				32.3				33.4				9.7				95			
H1		4.1				33.0				33.2				10.4				77			
J1	5.5	5.8	94.8	122.2	32.5	32.4	100.3	99.7	33.3	33.0	100.9	99.7	9.7	9.4	103.2	99.0	79	80	98.8	92.9	
K1		5.3				32.6				32.8				9.9				88			
L1		5.0				32.5				33.4				10.0				83			
M1	4.3	4.1	104.9	95.6	33.1	33.2	99.7	101.5	33.2	33.3	99.7	99.4	10.4	10.2	102.0	106.1	86	91	94.5	101.2	
N1		5.4				33.4				33.6				9.2				88			
O1		1.9				31.8				33.9				9.8				85			
P1	5.5	5.4	101.8	122.2	33.2	33.2	100.0	101.8	33.3	33.3	100.0	99.7	10.7	10.2	104.9	109.2	85	85	100.0	100.0	
Q1	1.5	2.0	75.0	33.3	31.3	31.5	99.4	96.0	33.4	33.4	100.0	100.0	10.7	10.1	105.9	109.2	83	85	97.6	97.6	
S1		3.9				33.8				33.9				10.4				88			
T1	5.0	5.0	100.0	111.1	32.4	32.5	99.7	99.4	33.4	33.5	99.7	100.0	9.7	10.0	97.0	99.0	80	80	100.0	94.1	
W1	6.4	6.6	97.0	142.2	33.1	32.6	101.5	101.5	33.6	32.9	102.1	100.6	10.3	9.8	105.1	105.1	77	94	81.9	90.6	
X1		4.5				32.5				33.7				9.1				89			
A2		5.5				33.1				33.9				9.8				90			
B2	5.3	5.4	98.1	117.8	33.0	32.6	101.2	101.2	33.9	33.4	101.5	101.5	10.2	10.1	101.0	104.1	78	81	96.3	91.8	
C2	4.3	4.3	100.0	95.6	31.9	31.9	100.0	97.8	33.1	33.1	100.0	99.1	8.9	8.8	101.1	90.8	93	94	98.9	109.4	
D2	5.2	5.6	92.8	115.6	33.0	32.8	100.6	101.2	33.9	33.5	101.2	101.5	9.0	9.2	97.8	91.8	83	92	90.2	97.6	
G2	6.2	4.7	131.9	137.8	33.5	33.4	100.3	102.8	33.6	33.5	100.3	100.6	10.5	9.9	106.1	107.1	86	94	91.5	101.2	
H2		5.0				33.0				33.1				10.4				82			
I2	4.0	4.6	87.0	88.9	34.4	33.5	102.7	105.5	35.8	34.6	103.5	107.2	10.3	10.4	99.0	105.1	77	78	98.7	90.6	
J2	5.1	5.1	100.0	113.3	32.2	32.1	100.3	98.8	33.1	33.1	100.0	99.1	10.1	9.6	105.2	103.1	76	76	100.0	89.4	
K2	4.2	4.3	97.7	93.3	32.8	33.0	99.4	100.6	33.1	33.4	99.1	99.1	9.1	9.7	93.8	92.8	77	80	96.2	90.6	
M2		4.3				33.0				33.2				9.9				92			
O2	2.3	2.6	88.5	51.1	31.2	31.5	99.0	95.7	33.1	33.3	99.4	99.1	9.7	9.5	102.1	99.0	91	86	105.8	107.0	
Q2	2.5	2.5	100.0	55.6	31.6	31.6	100.0	96.9	33.4	33.4	100.0	100.0	9.5	10.1	94.0	96.9	85	86	98.8	100.0	
S2	4.5	4.6	97.8	100.0	32.6	32.7	99.7	100.0	33.8	33.8	100.0	101.2	10.0	9.7	103.1	102.0	85	86	98.8	100.0	
T2		4.2				32.3				33.6				9.3				83			
U2	4.2	5.0	84.0	93.3	32.3	32.5	99.4	99.1	33.6	33.5	100.3	100.6	9.6	10.0	96.0	98.0	80	80	100.0	94.1	
V2		6.4				33.0				33.4				10.6				89			
X2	5.3	5.1	103.9	117.8	33.1	33.0	100.3	101.5	34.0	34.0	100.0	101.8	8.6	9.2	93.5	87.8	91	86	105.8	107.0	
Z2	4.7	4.8	97.9	104.4	33.7	33.5	100.6	103.4	34.8	34.6	100.6	104.2	9.8	9.8	100.0	100.0	87	90	96.7	102.4	
A3	5.8	5.9	98.3	128.9	32.7	32.8	99.7	100.3	33.4	33.5	99.7	100.0	9.8	10.0	98.0	100.0	87	84	103.6	102.4	
B3	5.6	5.8	96.6	124.4	33.2	33.1	100.3	101.8	33.3	33.2	100.3	99.7					81	84	96.4	95.3	
C3		4.9				32.6				33.6				10.2				80			
FKI DATA																					
CUR.																					
AV.		4.5				32.6				33.6				9.9				83			
CUM.																					
AV.		4.5				32.6				33.4				9.8				85			
IND.																					
*D 100.0						100.0				100.6				101.0				97.6			

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

TABLE IV
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD
OCTOBER, 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	
B1		1.4				31.3				33.4				10.2				84			
F1	3.8	4.6	82.6	84.4	32.0	32.3	99.1	98.2	33.4	33.4	100.0	100.0	10.1	9.7	104.1	102.0	94	95	98.9	110.6	
H1	3.7	4.2	88.1	82.2	33.1	33.0	100.3	101.5	33.3	33.2	100.3	99.7	10.0	10.4	96.2	101.0	76	77	98.7	89.4	
J1		5.8				32.3				33.0				9.5				80			
K1		5.3				32.6				32.8				9.9				88			
L1		5.0				32.4				33.4				9.9				83			
M1	4.4	4.1	107.3	97.8	33.4	33.2	100.6	102.4	33.5	33.3	100.6	100.3	10.8	10.2	105.9	109.1	89	90	98.9	104.7	
N1		5.4				33.4				33.6				9.2				88			
O1		1.6				31.7				33.9				9.8				85			
P1	6.1	5.4	113.0	135.6	33.2	33.2	100.0	101.8	33.3	33.3	100.0	99.7	11.2	10.2	109.8	113.1	87	85	102.4	102.4	
Q1	1.7	2.0	85.0	37.8	31.3	31.4	99.7	96.0	33.4	33.4	100.0	100.0	10.1	10.2	99.0	102.0	85	84	101.2	100.0	
S1		3.9				33.8				33.9				10.4				88			
T1	5.3	5.0	106.0	117.8	32.5	32.5	100.0	99.7	33.4	33.5	99.7	100.0	9.7	10.0	97.0	98.0	79	80	98.8	92.9	
W1		6.5				32.7				33.1				10.0				90			
X1		4.5				32.5				33.7				9.1				89			
A2		5.5				33.1				33.9				9.8				90			
B2	5.5	5.4	101.8	122.2	33.2	32.6	101.8	101.8	34.0	33.5	101.5	101.8	10.3	10.1	102.0	104.0	78	81	96.3	91.8	
C2	4.4	4.3	102.3	97.8	31.8	31.9	99.7	97.5	33.0	33.1	99.7	98.8	9.1	8.8	103.4	91.9	99	95	104.2	116.5	
D2	5.4	5.6	96.4	120.0	32.8	32.9	99.7	100.6	33.7	33.6	100.3	100.9	9.0	9.2	97.8	90.9	99	89	111.2	116.5	
G2		4.8				33.4				33.5				10.0				92			
H2	4.4	5.1	86.3	97.8	33.1	33.0	100.3	101.5	33.2	33.1	100.3	99.4	9.3	10.5	88.6	93.9	94	83	113.2	110.6	
I2	3.9	4.5	86.7	86.7	35.2	33.5	105.1	108.0	36.7	34.7	105.8	109.9	10.5	10.4	101.0	106.1	76	78	97.4	89.4	
J2	5.0	5.1	98.0	111.1	32.2	32.2	100.0	98.8	33.2	33.1	100.3	99.4	9.8	9.6	102.1	99.0	77	76	101.3	90.6	
K2	4.2	4.3	97.7	93.3	32.3	33.0	97.9	99.1	32.6	33.3	97.9	97.6	9.2	9.7	94.8	92.9	80	80	100.0	94.1	
M2		4.4				33.0				33.2				9.8				93			
O2	2.4	2.6	92.3	53.3	31.5	31.5	100.0	96.6	33.4	33.2	100.6	100.0	9.8	9.5	103.2	99.0	89	86	103.5	104.7	
Q2	2.8	2.6	107.7	62.2	31.8	31.6	100.6	97.5	33.5	33.4	100.3	100.3	10.0	10.0	100.0	101.0	84	86	97.7	98.8	
S2	4.1	4.6	89.1	91.1	32.6	32.7	99.7	100.0	33.9	33.9	100.0	101.5	10.3	9.7	106.2	104.0	84	86	97.7	98.8	
T2	5.1	4.2	121.4	113.3	32.6	32.3	100.9	100.0	33.5	33.6	99.7	100.3	9.2	9.3	98.9	92.9	83	83	100.0	97.6	
U2		4.9				32.5				33.5				10.0				80			
V2	6.4	6.4	100.0	142.2	33.0	33.0	100.0	101.2	33.5	33.4	100.3	100.3	10.1	10.6	95.3	102.0	87	89	97.8	102.4	
X2	5.4	5.1	105.9	120.0	33.1	33.0	100.3	101.5	34.0	34.0	100.0	101.8	9.2	9.1	101.1	92.9	89	86	103.5	104.7	
Z2	5.0	4.8	104.2	111.1	33.9	33.6	100.9	104.0	34.9	34.6	100.9	104.5	10.0	9.8	102.0	101.0	89	90	98.9	104.7	
A3		5.9				32.7				33.4				9.9				84			
B3	5.6	5.8	96.6	124.4	33.0	33.1	99.7	101.2	33.1	33.2	99.7	99.1					83	83	100.0	97.6	
C3	4.0	4.9	81.6	88.9	32.0	32.6	98.2	98.2	33.3	33.6	99.1	99.7	10.2	10.2	100.0	103.0	80	80	100.0	94.1	
D3		4.7		104.4	33.3			102.1	33.4			100.0	9.6			97.0	83			97.6	
FKI DATA																					
CUR.																					
AV.		4.5				32.7				33.6				9.9				85			
CUM.																					
AV.		4.5				32.6				33.4				9.9				85			
IND.																					
*D 100.0						100.3				100.6				100.0				100.0			

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

SEPTEMBER, 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
B1	3.2	3.0	106.7	62.7	36.9	36.3	101.6	97.9	38.7	38.2	101.3	100.8	12.2	11.5	106.1	110.9	93	94	98.9	97.9
C1	6.0	5.8	103.4	117.6	37.6	37.7	99.7	99.7	38.4	38.5	99.7	100.0	11.9	11.4	104.4	108.2	93	92	101.1	97.9
F1		5.4				37.5				38.4				10.1			110			
H1		4.5				38.0				38.2				11.3			88			
I1		6.6				37.5				37.9				10.5			88			
K1		5.8				37.6				37.8				11.6			100			
M1	4.7	4.7	100.0	92.2	38.2	38.2	100.0	101.3	38.3	38.4	99.7	99.7	11.7	11.5	101.7	106.4	98	98	100.0	103.2
N1	5.3	5.6	94.6	103.9	38.2	38.0	100.5	101.3	38.3	38.1	100.5	99.7	10.2	10.3	99.0	92.7	96	95	101.0	101.0
O1		2.9				36.4				38.3				10.7			99			
P1	5.7	5.6	101.8	111.8	38.2	38.2	100.0	101.3	38.3	38.3	100.0	99.7	12.7	11.5	110.4	115.4	99	94	105.3	104.2
R1	5.4	5.2	103.8	105.9	36.7	37.7	97.3	97.3	37.7	38.8	97.2	98.2	10.1	10.4	97.1	91.8	94	96	97.9	98.9
S1	6.0	5.9	101.7	117.6	38.3	38.4	99.7	101.6	38.4	38.5	99.7	100.0	11.2	11.0	101.8	101.8	99	98	101.0	104.2
T1	5.0	5.0	100.0	98.0	37.3	37.4	99.7	98.9	38.4	38.6	99.5	100.0	11.3	11.5	98.3	102.7	95	92	103.3	100.0
U1	5.4	5.2	103.8	105.9	38.1	38.2	99.7	101.1	39.1	39.3	99.5	101.8	10.0	10.1	99.0	90.9	89	91	97.8	93.7
Y1		4.2				38.3				38.4				10.8			98			
Z1		5.5				37.7				38.7				11.1			97			
A2		5.2				37.8				38.9				11.8			96			
B2	7.0	6.9	101.4	137.2	37.7	37.9	99.5	100.0	38.0	38.3	99.2	99.0	11.6	11.6	100.0	105.4	88	90	97.8	92.6
C2	4.3	4.2	102.4	84.3	36.8	36.8	100.0	97.6	38.2	38.2	100.0	99.5	10.0	10.2	98.0	90.9	99	102	97.0	104.2
F2		3.2				36.3				38.1				10.8			99			
G2		4.9				38.1				38.2				11.2			104			
H2		5.7				38.2				38.3				11.5			92			
J2	5.0	5.6	89.3	98.0	36.6	36.8	99.4	97.1	37.7	37.6	100.3	98.2	11.3	10.8	104.6	102.7	85	89	95.5	89.5
K2		4.5				38.3				38.6				11.2			89			
L2		2.6				36.6				38.6				10.4			103			
M2		4.6				38.2				38.4				11.5			102			
O2		3.6				36.6				38.3				10.9			97			
P2		5.2				37.6				38.7				10.7			98			
Q2		3.5				36.6				38.3				10.8			99			
S2	5.0	5.4	92.6	98.0	37.3	37.7	98.9	98.9	38.4	38.7	99.2	100.0	11.3	11.0	102.7	102.7	94	96	97.9	98.9
U2		4.8				37.3				38.5				11.4			90			
X2	5.8	5.3	109.4	113.7	38.0	38.1	99.7	100.8	38.8	39.2	99.0	101.0	10.2	10.6	96.2	92.7	100	97	103.1	105.3
Z2		5.2				38.6				39.7				10.9			96			
A3	6.6	6.0	110.0	129.4	37.5	38.2	98.2	99.5	38.0	39.0	97.4	99.0	11.1	11.6	95.7	100.9	94	96	97.9	98.9
B3	5.5	5.7	96.5	107.8	38.1	38.0	100.3	101.1	38.2	38.2	100.0	99.5					91	93	97.8	95.8
FKI DATA																				
CUR.																				
AV. 5.4																				
CUM.																				
AV. 5.1																				
IND.																				
*D 105.9																				
99.7																				
99.7																				
100.9																				
98.9																				

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

OCTOBER, 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
B1	2.8	3.0	93.3	53.8	36.4	36.4	100.0	96.6	38.4	38.2	100.5	100.0	12.2	11.6	105.2	110.9	91	94	96.8	95.8
C1	5.9	5.9	100.0	113.5	37.4	37.6	99.5	99.2	38.2	38.4	99.5	99.5	11.4	11.3	100.9	103.6	94	92	102.2	98.9
F1	5.6	5.4	103.7	107.7	37.5	37.5	100.0	99.5	38.4	38.4	100.0	100.0	10.5	10.1	104.0	95.4	107	110	97.3	112.6
H1		4.6				38.0				38.2				11.2				88		
I1		6.7				37.5				37.9				10.5				88		
K1		5.8				37.6				37.8				11.6				100		
M1	5.0	4.7	106.4	96.2	38.5	38.2	100.8	102.1	38.6	38.3	100.8	100.5	11.6	11.5	100.9	105.4	98	98	100.0	103.2
N1	5.2	5.6	92.8	100.0	38.2	38.0	100.5	101.3	38.3	38.1	100.5	99.7	10.0	10.3	97.1	90.9	94	95	98.9	98.9
O1		2.9				36.4				38.3				10.7				99		
P1		5.6				38.2				38.3				11.6				94		
R1	5.5	5.2	105.8	105.8	36.7	37.5	97.9	97.3	37.6	38.6	97.4	97.9	10.0	10.3	97.1	90.9	91	96	94.8	95.8
S1	6.3	5.9	106.8	121.2	38.9	38.4	101.3	103.2	39.0	38.5	101.3	101.6	11.2	11.0	101.8	101.8	98	98	100.0	103.2
T1	5.1	5.0	102.0	98.1	37.4	37.4	100.0	99.2	38.5	38.6	99.7	100.3	10.9	11.5	94.8	99.1	92	92	100.0	96.8
U1	4.9	5.2	94.2	94.2	38.0	38.2	99.5	100.8	39.2	39.2	100.0	102.1	10.0	10.1	99.0	90.9	95	91	104.4	100.0
Y1	3.4	4.2	81.0	65.4	38.3	38.3	100.0	101.6	38.4	38.4	100.0	100.0	11.4	10.7	106.5	103.6	99	97	102.1	104.2
Z1		5.3				37.7				38.7				11.0				96		
A2	5.0	5.2	96.2	96.2	38.1	37.8	100.8	101.1	39.2	38.9	100.8	102.1	11.2	11.8	94.9	101.8	99	96	103.1	104.2
B2	7.1	6.9	102.9	136.5	37.7	37.9	99.5	100.0	38.0	38.2	99.5	99.0	11.5	11.6	99.1	104.5	89	90	98.9	93.7
C2	4.2	4.2	100.0	80.8	36.8	36.8	100.0	97.6	38.2	38.2	100.0	99.5	9.7	10.2	95.1	88.2	104	102	102.0	109.5
F2		3.2				36.3				38.1				10.8				99		
G2		4.8				38.1				38.2				11.3				102		
H2	5.1	5.9	86.4	98.1	38.1	38.0	100.3	101.1	38.2	38.1	100.3	99.5	10.8	11.5	93.9	98.2	96	92	104.3	101.0
J2	5.7	5.4	105.6	109.6	37.1	36.7	101.1	98.4	38.0	37.7	100.8	99.0	11.1	11.0	100.9	100.9	86	88	97.7	90.5
K2		4.5				38.3				38.6				11.2				89		
L2		2.6				36.6				38.6				10.4				103		
M2		4.7				38.2				38.4				11.4				103		
O2		3.8				36.7				38.3				11.0				99		
P2	6.0	5.3	113.2	115.4	37.9	37.7	100.5	100.5	38.7	38.7	100.0	100.8	10.3	10.6	97.2	93.6	102	100	102.0	107.4
Q2		3.5				36.6				38.3				10.8				99		
S2	5.1	5.3	96.2	98.1	37.5	37.6	99.7	99.5	38.6	38.7	99.7	100.5	11.2	11.1	100.9	101.8	94	95	98.9	98.9
U2		4.8				37.3				38.5				11.5				90		
V2	7.1			136.5	38.0			100.8	38.3			99.7	11.1			100.6	92			96.8
X2	5.9	5.3	111.3	113.5	38.3	38.2	100.3	101.6	39.1	39.2	99.7	101.8	10.5	10.5	100.0	95.4	100	98	102.0	105.3
Z2		5.2				38.6				39.7				10.9				96		
A3		6.1				37.9				38.6				11.5				95		
B3	5.6	5.7	98.2	107.7	38.0	38.0	100.0	100.8	38.1	38.1	100.0	99.2					91	92	98.9	95.8
O3	3.6			69.2	39.4			104.5	39.5			102.9	10.5			95.4	110			115.8
FKI DATA																				
CUR.																				
AV. 5.2																				
CUM.																				
AV. 5.2																				
IND.																				
*D 100.0																				
100.3																				
100.3																				
98.2																				
101.0																				

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
SEPTEMBER, 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	5.9	6.0	98.3	113.5	41.4	41.2	100.5	99.5	42.3	42.0	100.7	99.8	13.1	11.5	113.9	109.2	107	108	99.1	103.9
B1	3.3	3.4	97.0	63.5	40.5	40.3	100.5	97.4	42.5	42.2	100.7	100.2	12.8	12.6	101.6	106.7	102	104	98.1	99.0
C1	6.3	6.2	101.6	121.2	41.6	41.6	100.0	100.0	42.3	42.4	99.8	99.8	13.5	12.8	105.5	112.5	102	100	102.0	99.0
D1	5.1				42.5				42.6				12.4				103			
E1	4.7	5.2	90.4	90.4	41.4	41.5	99.8	99.5	42.8	42.6	100.5	100.9	12.0	11.9	100.8	100.0	101	101	100.0	98.0
F1	6.3	6.4	98.4	121.2	41.6	41.8	99.5	100.0	42.3	42.4	99.8	99.8	11.5	11.2	102.7	95.8	110	116	94.8	106.8
H1	4.6				41.9				42.1				12.3				98			
I1	7.4				41.6				41.8				11.4				101			
K1	5.9				41.5				41.7				12.6				106			
M1	5.1	4.8	106.2	98.1	42.3	42.2	100.2	101.7	42.4	42.3	100.2	100.0	13.0	12.6	103.2	108.3	101	104	97.1	98.0
N1	5.3	5.8	91.4	101.9	42.3	42.1	100.5	101.7	42.4	42.2	100.5	100.0	11.5	11.3	101.8	95.8	99	101	98.0	96.1
U1	3.3	3.2	103.1	63.5	40.7	40.6	100.2	97.8	42.7	42.7	100.0	100.7	12.0	12.0	100.0	100.0	104	107	97.2	101.0
P1	5.8	5.7	101.8	111.5	42.2	42.2	100.0	101.4	42.3	42.3	100.0	99.8	12.7	12.4	102.4	105.8	103	103	100.0	100.0
Q1	5.8	5.6	103.6	111.5	41.6	41.6	100.0	100.0	42.5	42.5	100.0	100.2	13.4	12.9	103.9	111.7	103	104	99.0	100.0
R1	5.8	5.6	103.6	111.5	41.2	41.1	100.2	99.0	42.1	42.0	100.2	99.3	11.6	11.5	100.9	96.7	99	101	98.0	96.1
S1	5.6	6.2	90.3	107.7	42.3	42.1	100.5	101.7	42.4	42.2	100.5	100.0	12.0	12.2	98.4	100.0	106	105	101.0	102.9
T1	5.0	5.1	98.0	96.2	41.1	41.3	99.5	98.8	42.3	42.5	99.5	99.8	12.1	12.7	95.3	100.8	100	100	100.0	97.1
U1	6.6	6.3	104.8	126.9	41.8	42.2	99.0	100.5	42.3	42.9	98.6	99.8	10.9	11.2	97.3	90.8	99	102	97.0	96.1
V1	5.8	5.4	107.4	111.5	42.7	42.0	101.7	102.6	43.6	43.2	100.9	102.8	12.2	11.6	105.2	101.7	110	106	103.8	106.8
X1	5.4	5.6	96.4	103.8	41.7	41.8	99.8	100.2	42.8	42.8	100.0	100.9	11.0	11.3	97.3	91.7	110	108	101.8	106.8
Y1	4.5	4.6	97.8	86.5	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.5	11.6	11.6	100.0	96.7	105	104	101.0	101.9
Z1	5.5	5.5	100.0	105.8	41.7	41.7	100.0	100.2	42.7	42.7	100.0	100.7	11.4	11.9	95.8	95.0	105	103	101.9	101.9
B2	7.1	7.4	95.9	136.5	42.0	42.0	100.0	101.0	42.3	42.2	100.2	99.8	12.8	12.6	101.6	106.7	98	99	99.0	95.1
C2	4.5	4.4	102.3	86.5	40.7	40.6	100.2	97.8	42.2	42.2	100.0	99.5	11.1	11.2	99.1	92.5	112	108	103.7	108.7
E2	3.7				42.2				42.4				11.6				100			
F2	3.7	3.7	100.0	71.2	40.4	40.2	100.5	97.1	42.2	42.0	100.5	99.5	12.7	12.3	103.2	105.8	102	108	94.4	99.0
G2	5.4				42.4				42.4				12.6				111			
H2	5.1	5.3	96.2	98.1	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3	11.9	12.6	94.4	99.2	100	101	99.0	97.1
I2	4.0	4.6	87.0	76.9	43.8	42.6	102.8	105.3	45.6	44.1	103.4	107.5	13.3	13.3	100.0	110.8	95	100	95.0	92.2
J2	5.3	5.5	96.4	101.9	40.9	41.1	99.5	98.3	42.0	42.2	99.5	99.0	12.1	12.0	100.8	100.8	95	97	97.9	92.2
K2	4.5	4.7	95.7	86.5	42.4	42.4	100.0	101.9	42.8	42.8	100.0	100.9	11.7	12.2	95.9	97.5	98	100	98.0	95.1
L2	4.4	4.0	110.0	84.6	40.8	40.6	100.5	98.1	42.3	42.3	100.0	99.8	11.5	10.9	105.5	95.8	104	102	102.0	101.0
M2	4.7				41.9				42.1				12.5				108			
O2	4.1	4.2	97.6	78.8	40.6	40.7	99.8	97.6	42.2	42.3	99.8	99.5	12.3	12.0	102.5	102.5	105	102	102.9	101.9
P2	6.2	6.3	98.4	119.2	41.5	41.6	99.8	99.8	42.2	42.2	100.0	99.5	12.2	11.9	102.5	101.7	104	103	101.0	101.0
Q2	3.3	3.9	84.6	63.5	40.5	40.7	99.5	97.4	42.5	42.5	100.0	100.2	11.7	12.1	96.7	97.5	106	106	100.0	102.9
S2	5.5				41.8				42.8				12.1				107			
T2	6.3	6.2	101.6	121.2	41.8	41.8	100.0	100.5	42.5	42.5	100.0	100.2	12.7	12.6	100.8	105.8	106	105	101.0	102.9
V2	6.9	7.1	97.2	132.7	42.1	42.0	100.2	101.2	42.5	42.3	100.5	100.2	11.3	12.4	91.1	94.2	111	105	105.7	107.8
X2	5.9	5.3	111.3	113.5	42.1	42.1	100.0	101.2	43.0	43.2	99.5	101.4	11.5	11.9	96.6	95.8	107	104	102.9	103.9
Z2	5.2	5.3	98.1	100.0	41.3	41.6	99.3	99.3	42.5	42.8	99.3	100.2	12.5	12.3	101.6	104.2	101	102	99.0	98.0
A3	6.3	6.1	103.3	121.2	41.5	41.6	99.8	99.8	42.2	42.4	99.5	99.5	12.4	12.7	97.6	103.3	101	102	99.0	98.0
B3	5.6	5.7	98.2	107.7	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3					101	101	100.0	98.0
FKI DATA																				
CUR.																				
AV. 5.3																				
CUM.																				
AV. 5.2																				
IND.																				
*D 101.9																				
100.0																				
100.2																				
100.8																				
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
OCTOBER, 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	6.1	6.0	101.7	117.3	41.4	41.3	100.2	99.5	42.1	42.1	100.0	99.3	11.7	11.5	101.7	97.5	106	108	98.1	102.9
B1	3.2	3.4	94.1	61.5	40.2	40.3	99.8	96.6	42.2	42.2	100.0	99.5	12.7	12.6	100.8	105.8	102	103	99.0	99.0
C1	6.3	6.2	101.6	121.2	41.5	41.6	99.8	99.8	42.2	42.4	99.5	99.5	12.8	12.9	99.2	106.7	103	100	103.0	100.0
D1	4.9	5.0	98.0	94.2	42.7	42.6	100.2	102.6	42.8	42.7	100.2	100.9	12.4	12.6	98.4	103.3	108	102	105.9	104.8
E1	4.7	5.1	92.2	90.4	41.3	41.5	99.5	99.3	42.7	42.7	100.0	100.7	11.8	11.9	99.2	98.3	102	101	101.0	99.0
F1	6.2	6.4	96.9	119.2	41.6	41.8	99.5	100.0	42.3	42.4	99.8	99.8	11.7	11.3	103.5	97.5	117	115	101.7	113.6
H1		4.6				41.9				42.1				12.3			98			
I1		7.3				41.6				41.8				11.4			101			
K1	6.3	5.9	106.8	121.2	41.7	41.5	100.5	100.2	41.9	41.7	100.5	98.8	12.4	12.5	99.2	103.3	114	105	108.6	110.7
M1	5.3	4.8	110.4	101.9	42.4	42.2	100.5	101.9	42.5	42.3	100.5	100.2	13.0	12.6	103.2	108.3	105	104	101.0	101.9
N1	5.5	5.7	96.5	105.8	42.3	42.2	100.2	101.7	42.4	42.2	100.5	100.0	11.5	11.3	101.8	95.8	99	101	98.0	96.1
O1	3.2	3.1	103.2	61.5	40.7	40.6	100.2	97.8	42.7	42.7	100.0	100.7	12.2	12.0	101.7	101.7	106	106	100.0	102.9
P1	5.8	5.7	101.8	111.5	42.3	42.2	100.2	101.7	42.4	42.4	100.0	100.0	12.3	12.4	99.2	102.5	105	103	101.9	101.9
Q1	5.8	5.6	103.6	111.5	41.6	41.6	100.0	100.0	42.5	42.5	100.0	100.2	12.9	13.0	99.2	107.5	104	104	100.0	101.0
R1	5.5	5.6	98.2	105.8	41.1	41.1	100.0	98.8	42.1	42.1	100.0	99.3	11.5	11.6	99.1	95.8	101	100	101.0	98.0
S1	6.5	6.2	104.8	125.0	41.7	42.1	99.0	100.2	41.8	42.2	99.0	98.6	12.2	12.2	100.0	101.7	106	105	101.0	102.9
T1	5.0	5.1	98.0	96.2	41.2	41.3	99.8	99.0	42.4	42.4	100.0	100.0	12.5	12.7	98.4	104.2	100	100	100.0	97.1
U1	6.7	6.3	106.3	128.8	41.8	42.2	99.0	100.5	42.3	42.9	98.6	99.8	11.0	11.1	99.1	91.7	100	101	99.0	97.1
V1	5.7	5.4	105.6	109.6	42.9	42.1	101.9	103.1	43.9	43.2	101.6	103.5	12.3	11.6	106.0	102.5	106	106	100.0	102.9
X1	5.4	5.5	98.2	103.8	41.8	41.8	100.0	100.5	42.9	42.8	100.2	101.2	11.2	11.3	99.1	93.3	107	107	100.0	103.9
Y1	4.1	4.6	89.1	78.8	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.5	11.8	11.5	102.6	98.3	105	104	101.0	101.9
Z1	5.1	5.4	94.4	98.1	41.6	41.7	99.8	100.0	42.8	42.8	100.0	100.9	11.4	11.8	96.6	95.0	103	103	100.0	100.0
B2	7.3	7.4	98.6	140.4	42.0	42.0	100.0	101.0	42.2	42.2	100.0	99.5	12.7	12.7	100.0	105.8	98	99	99.0	95.1
C2	4.5	4.4	102.3	86.5	40.6	40.6	100.0	97.6	42.1	42.2	99.8	99.3	10.9	11.2	97.3	90.8	108	109	99.1	104.8
E2	3.3	3.7	89.2	63.5	42.0	42.1	99.8	101.0	42.2	42.3	99.8	99.5	10.8	11.6	93.1	90.0	103	100	103.0	100.0
F2	3.5	3.7	94.6	67.3	40.4	40.3	100.2	97.1	42.3	42.1	100.5	99.8	12.6	12.4	101.6	105.0	104	107	97.2	101.0
G2		5.4				42.4				42.4				12.6			111			
H2	5.2	5.3	98.1	100.0	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3	12.1	12.5	96.8	100.8	100	101	99.0	97.1
I2	3.9	4.5	86.7	75.0	43.9	42.7	102.8	105.5	45.7	44.2	103.4	107.8	13.0	13.3	97.7	108.3	95	100	95.0	92.2
J2	5.3	5.5	96.4	101.9	40.9	41.1	99.5	98.3	42.0	42.1	99.8	99.0	11.7	12.0	97.5	97.5	97	97	100.0	94.2
K2	4.7	4.6	102.2	90.4	42.2	42.4	99.5	101.4	42.6	42.8	99.5	100.5	12.0	12.2	98.4	100.0	101	100	101.0	98.0
L2	4.5	4.0	112.5	86.5	41.1	40.7	101.0	98.8	42.6	42.3	100.7	100.5	11.0	11.0	100.0	91.7	100	103	97.1	97.1
M2		4.7				41.9				42.1				12.5			108			
O2	4.5	4.2	107.1	86.5	40.7	40.7	100.0	97.8	42.2	42.3	99.8	99.5	12.3	12.0	102.5	102.5	102	103	99.0	99.0
P2	6.6	6.3	104.8	126.9	41.7	41.6	100.2	100.2	42.2	42.2	100.0	99.5	12.0	11.9	100.8	100.0	104	104	100.0	101.0
Q2	3.6	3.9	92.3	69.2	40.5	40.7	99.5	97.4	42.4	42.5	99.8	100.0	11.9	12.1	98.3	99.2	106	106	100.0	102.9
S2		5.5				41.8				42.8				12.1			107			
T2	6.0	6.3	95.2	115.4	41.7	41.8	99.8	100.2	42.5	42.5	100.0	100.2	12.3	12.6	97.6	102.5	106	105	101.0	102.9
V2		7.0				42.0				42.4				11.8			108			
X2	5.4	5.4	100.0	103.8	42.0	42.1	99.8	101.0	43.1	43.2	99.8	101.6	11.9	11.8	100.8	99.2	106	105	101.0	102.9
Z2	5.5	5.3	103.8	105.8	41.6	41.6	100.0	100.0	42.6	42.7	99.8	100.5	12.2	12.3	99.2	101.7	103	102	101.0	100.0
A3	6.4	6.1	104.9	123.1	41.4	41.6	99.5	99.5	42.0	42.3	99.3	99.0	12.3	12.6	97.6	102.5	100	102	98.0	97.1
B3	5.5	5.7	96.5	105.8	42.1	42.0	100.2	101.2	42.2	42.1	100.2	99.5					101	101	100.0	98.0
D3	6.7		128.8		42.2			101.4	42.3			99.8	12.0			100.0	102			99.0
FKI DATA																				
CUR.																				
AV. 5.2																				
CUM.																				
AV. 5.2																				
IND.																				
*D 100.0																				
100.0																				
100.2																				
100.0																				
101.0																				

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
SEPTEMBER, 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	7.1	7.1	100.0	114.5	68.5	68.7	99.7	100.0	69.0	69.2	99.7	99.4	19.4	19.0	102.1	98.5	137	138	99.3	97.8
B1	5.3	5.3	100.0	85.5	67.5	67.7	99.7	98.5	69.3	69.6	99.6	99.8	20.7	20.4	101.5	105.1	136	138	98.6	97.1
C1	6.8	6.9	98.6	109.7	69.1	68.8	100.4	100.9	69.9	69.4	100.7	100.7	21.2	20.7	102.4	107.6	138	135	102.2	98.6
D1	5.5	5.7	96.5	88.7	69.6	69.5	100.1	101.6	69.8	69.7	100.1	100.6	20.6	20.3	101.5	104.6	143	145	98.6	102.1
E1	5.3	5.4	98.1	85.5	68.1	68.2	99.8	99.4	69.9	70.0	99.8	100.7	18.9	18.8	100.5	95.9	137	136	100.7	97.8
F1		7.0				68.9				69.5				18.2				154		
I1		8.9				68.6				67.8				19.0				137		
K1		6.4				68.3				68.6				19.9				147		
M1	5.5	5.4	101.8	88.7	69.6	69.5	100.1	101.6	69.8	69.7	100.1	100.6	20.3	20.2	100.5	103.0	135	138	97.8	96.4
N1	5.8	6.1	95.1	93.5	69.5	69.3	100.3	101.4	69.7	69.5	100.3	100.4	19.7	19.6	100.5	100.0	140	140	100.0	100.0
O1	3.7	4.3	86.0	59.7	66.8	67.1	99.6	97.5	69.8	69.7	100.1	100.6	19.8	20.0	99.0	100.5	144	146	98.6	102.8
P1		6.2				69.4				69.6				20.4				145		
R1	6.9	6.9	100.0	111.3	68.4	68.4	100.0	99.8	69.1	69.1	100.0	99.6	21.1	20.5	102.9	107.1	132	130	101.5	94.3
S1	7.0	6.8	102.9	112.9	68.5	68.9	99.4	100.0	68.7	69.1	99.4	99.0	19.4	19.8	98.0	98.5	149	147	101.4	106.4
U1	7.8	7.9	98.7	125.8	68.3	68.7	99.4	99.7	68.3	68.6	99.6	98.4	18.3	18.5	98.9	92.9	135	137	98.5	96.4
V1	5.8	5.6	103.6	93.5	68.5	68.4	100.1	100.0	70.0	69.9	100.1	100.9	20.2	20.3	99.5	102.5	140	135	103.7	100.0
X1	5.4	5.9	91.5	87.1	68.6	68.7	99.8	100.1	70.4	70.1	100.4	101.4	18.9	19.2	98.4	95.9	140	138	101.4	100.0
Y1	4.8	5.1	94.1	77.4	69.2	69.1	100.1	101.0	69.4	69.3	100.1	100.0	18.3	18.6	98.4	92.9	139	138	100.7	99.3
Z1	7.1	7.0	101.4	114.5	68.3	68.4	99.8	99.7	68.8	68.9	99.8	99.1	19.6	19.3	101.6	99.5	144	147	98.0	102.8
B2	7.5	7.7	97.4	121.0	68.8	69.5	99.0	100.4	69.0	69.6	99.1	99.4	21.0	20.8	101.0	106.6	139	140	99.3	99.3
E2		4.6				69.0				69.4				19.3				134		
H2	5.6	6.0	93.3	90.3	68.9	68.8	100.1	100.6	69.1	69.0	100.1	99.6	18.0	19.6	91.8	91.4	138	140	98.6	98.6
I2		5.6				69.3				70.9				21.6				135		
J2		6.5				68.5				69.4				19.4				134		
K2	5.0	5.8	86.2	80.6	68.0	68.8	98.8	99.3	68.6	69.4	98.8	98.8	19.1	19.3	99.0	97.0	142	140	101.4	101.4
L2	6.3	6.6	95.4	101.6	68.2	68.4	99.7	99.6	69.3	69.3	100.0	99.8	20.0	19.3	103.6	101.5	134	136	98.5	95.7
M2		4.8				68.8				69.2				20.8				143		
N2	4.7	5.4	87.0	75.8	67.3	67.5	99.7	98.2	69.6	69.3	100.4	100.3	17.8	18.4	96.7	90.4	141	144	97.9	100.7
O2	4.8	4.9	98.0	77.4	66.5	67.2	99.0	97.1	68.7	69.3	99.1	99.0	19.0	19.4	97.9	96.4	142	137	103.6	101.4
P2	7.1	7.0	101.4	114.5	68.8	68.6	100.3	100.4	69.4	69.2	100.3	100.0	19.3	19.3	100.0	98.0	144	143	100.7	102.8
Q2	3.8	4.2	90.5	61.3	66.6	67.1	99.2	97.2	69.5	69.7	99.7	100.1	19.2	20.0	96.0	97.5	150	147	102.0	107.1
I2	6.8	6.7	101.5	109.7	68.8	68.8	100.0	100.4	69.6	69.6	100.0	100.3	19.7	19.8	99.5	100.0	142	140	101.4	101.4
V2		7.3				69.5				69.9				19.4				143		
W2	6.9	6.8	101.5	111.3	68.3	68.5	99.7	99.7	69.0	69.2	99.7	99.4	19.1	19.2	99.5	97.0	140	142	98.6	100.0
Z2	6.1	6.1	100.0	98.4	68.5	68.3	100.3	100.0	69.7	69.5	100.3	100.4	20.4	19.9	102.5	103.6	133	134	99.2	95.0
A3	7.1	7.2	98.6	114.5	69.1	68.2	101.3	100.9	69.7	68.7	101.4	100.4	21.1	21.2	99.5	107.1	137	138	99.3	97.8
B3	5.6	5.8	96.6	90.3	68.9	68.9	100.0	100.6	69.1	69.1	100.0	99.6					139	138	100.7	99.3
FKI DATA																				
CUR.																				
AV. 6.0																				
CUM.																				
AV. 6.2																				
IND.																				
*D 96.8																				
99.8																				
100.0																				
99.5																				
100.0																				

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
OCTOBER, 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	7.6	7.2	105.6	124.6	68.3	68.6	99.6	99.7	68.4	69.2	98.8	98.6	19.3	19.0	101.6	98.0	135	138	97.8	96.4	
B1	4.9	5.3	92.4	80.3	67.3	67.7	99.4	98.2	69.4	69.5	99.8	100.0	20.7	20.4	101.5	105.1	137	138	99.3	97.8	
C1	7.0	6.9	101.4	114.8	68.7	68.8	99.8	100.3	69.3	69.5	99.7	99.8	20.6	20.7	99.5	104.6	138	135	102.2	98.6	
D1	5.6	5.7	98.2	91.8	69.7	69.6	100.1	101.8	69.9	69.8	100.1	100.7	20.0	20.3	98.5	101.5	144	145	99.3	102.8	
E1	5.3	5.4	98.1	86.9	68.2	68.2	100.0	99.6	70.0	70.0	100.0	100.9	18.8	18.8	100.0	95.4	135	136	99.3	96.4	
F1	7.1	7.0	101.4	116.4	69.0	68.9	100.1	100.7	69.6	69.4	100.3	100.3	18.6	18.2	102.2	94.4	144	155	92.9	102.8	
I1		8.9				68.6				67.8				19.0				137			
K1		6.3				68.3				68.6				19.9				147			
M1	5.6	5.4	103.7	91.8	69.5	69.5	100.0	101.4	69.7	69.7	100.0	100.4	20.5	20.3	101.0	104.1	142	137	103.6	101.4	
N1	5.6	6.0	93.3	91.8	69.3	69.3	100.0	101.2	69.5	69.5	100.0	100.1	19.2	19.7	97.5	97.5	137	140	97.8	97.8	
O1	3.8	4.1	92.7	62.3	66.8	67.1	99.6	97.5	69.7	69.8	99.8	100.4	20.2	20.0	101.0	102.5	145	146	99.3	103.6	
P1		6.2				69.4				69.6				20.4				145			
R1	6.9	6.9	100.0	113.1	68.3	68.4	99.8	99.7	69.0	69.1	99.8	99.4	20.7	20.5	101.0	105.1	134	130	103.1	95.7	
S1	7.0	6.9	101.4	114.8	68.1	68.8	99.0	99.4	68.3	69.0	99.0	98.4	19.7	19.7	100.0	100.0	142	147	96.6	101.4	
U1	7.5	7.8	96.2	123.0	68.5	68.7	99.7	100.0	68.7	68.7	100.0	99.0	18.4	18.5	99.4	93.4	140	137	102.2	100.0	
V1	6.0	5.7	105.3	98.4	69.0	68.4	100.9	100.7	70.4	70.0	100.6	101.4	20.7	20.2	102.5	105.1	138	136	101.5	98.6	
X1	5.5	5.8	94.8	90.2	68.7	68.6	100.1	100.3	70.4	70.1	100.4	101.4	19.3	19.2	100.5	98.0	137	138	99.3	97.8	
Y1	5.2	5.1	102.0	85.2	68.9	69.1	99.7	100.6	69.1	69.3	99.7	99.6	18.9	18.6	101.6	95.9	137	138	99.3	97.8	
Z1	7.6	7.0	108.6	124.6	68.3	68.3	100.0	99.7	68.4	68.9	99.3	98.6	19.2	19.3	99.5	97.5	140	146	95.9	100.0	
B2	7.6	7.7	98.7	124.6	69.5	69.4	100.1	101.4	69.6	69.5	100.1	100.3	20.9	20.8	100.5	106.1	138	140	98.6	98.6	
E2	4.1	4.6	89.1	67.2	69.4	69.0	100.6	101.3	69.7	69.3	100.6	100.4	19.1	19.2	99.5	97.0	135	134	100.7	96.4	
H2	5.4	5.9	91.5	88.5	69.2	68.8	100.6	101.0	69.4	69.0	100.6	100.0	19.3	19.4	99.5	98.0	138	140	98.6	98.6	
I2		5.6				69.3				70.9				21.6				135			
J2		6.5				68.5				69.4				19.4				134			
K2	5.2	5.7	91.2	85.2	68.4	68.7	99.6	99.8	69.0	69.3	99.6	99.4	19.5	19.3	101.0	99.0	143	140	102.1	102.1	
L2	6.1	6.6	92.4	100.0	68.1	68.4	99.6	99.4	69.3	69.3	100.0	99.8	19.3	19.4	99.5	98.0	136	136	100.0	97.1	
M2		4.8				68.9				69.2				20.8				143			
N2	4.1	5.3	77.4	67.2	67.3	67.5	99.7	98.2	70.0	69.3	101.0	100.9	18.4	18.3	100.5	93.4	142	143	99.3	101.4	
O2	4.9	4.9	100.0	80.3	67.0	67.1	99.8	97.8	69.1	69.2	99.8	99.6	19.5	19.4	100.5	99.0	136	138	98.6	97.1	
P2	7.1	7.0	101.4	116.4	68.7	68.6	100.1	100.3	69.2	69.3	99.8	99.7	19.8	19.3	102.6	100.5	144	143	100.7	102.8	
Q2	4.0	4.2	95.2	65.6	66.9	67.0	99.8	97.7	69.6	69.7	99.8	100.3	20.0	19.9	100.5	101.5	144	148	97.3	102.8	
T2	6.7	6.7	100.0	109.8	68.8	68.8	100.0	100.4	69.6	69.6	100.0	100.3	19.7	19.7	100.0	100.0	139	140	99.3	99.3	
V2		7.3				69.5				69.9				19.4				143			
W2	7.0	6.9	101.4	114.8	68.5	68.4	100.1	100.0	69.1	69.2	99.8	99.6	19.4	19.2	101.0	98.5	142	141	100.7	101.4	
Z2	6.3	6.1	103.3	103.3	69.6	68.4	101.8	101.6	70.7	69.6	101.6	101.9	20.5	20.0	102.5	104.1	136	133	102.2	97.1	
A3	6.7	7.2	93.0	109.8	68.7	68.3	100.6	100.3	69.5	68.8	101.0	100.1	21.2	21.1	100.5	107.6	136	137	99.3	97.1	
B3	5.6	5.8	96.6	91.8	69.0	68.9	100.1	100.7	69.2	69.1	100.1	99.7					136	137	99.3	97.1	
FKI DATA																					
CUR.		6.0				68.5				69.4				19.7				139			
CUM.		6.1				68.5				69.4				19.7				140			
IND.																					
*D		98.4				100.0				100.0				100.0				99.3			

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

SEPTEMBER, 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
B1	4.9	5.5	89.1	76.6	88.1	88.3	99.8	98.5	90.8	90.5	100.3	100.4	27.3	26.7	102.2	107.0	163	165	98.8	97.0
D1	5.9	5.8	101.7	92.2	90.7	90.6	100.1	101.4	91.0	90.9	100.1	100.7	27.4	26.8	102.2	107.4	166	173	96.0	98.8
F1		7.2				89.9				90.5				24.1				176		
O1	4.1	4.4	93.2	64.1	87.6	87.8	99.8	98.0	91.1	90.9	100.2	100.8	26.3	26.2	100.4	103.1	174	177	98.3	103.6
S1		6.9				90.3				90.6				26.0				174		
U1	7.7	8.4	91.7	120.3	89.5	90.2	99.2	100.1	89.6	89.6	100.0	99.1	24.3	24.5	99.2	95.3	158	165	95.8	94.0
X1	6.0	6.4	93.8	93.8	89.7	89.7	100.0	100.3	91.5	91.1	100.4	101.2	24.4	25.8	94.6	95.7	158	155	101.9	94.0
Y1	4.5	5.2	86.5	70.3	89.9	90.0	99.9	100.6	90.2	90.3	99.9	99.8	23.6	24.6	95.9	92.5	157	158	99.4	93.4
Z1	7.5	7.3	102.7	117.2	89.2	89.3	99.9	99.8	89.5	89.8	99.7	99.0	25.3	25.8	98.1	99.2	170	174	97.7	101.2
H2	5.9	5.9	100.0	92.2	89.9	89.8	100.1	100.6	90.2	90.1	100.1	99.8	23.6	25.9	91.1	92.5	172	166	103.6	102.4
J2		6.8				88.5				89.5				25.8				158		
L2	6.2	6.4	96.9	96.9	88.8	89.1	99.7	99.3	90.3	90.4	99.9	99.9	25.4	24.7	102.8	99.6	159	163	97.5	94.6
M2		6.4				89.7				90.1				26.4				172		
N2	5.7	5.9	96.6	89.1	88.7	88.7	100.0	99.2	90.7	90.5	100.2	100.3	24.1	24.2	99.6	94.5	165	167	98.8	98.2
O2	4.6	4.9	93.9	71.9	88.1	87.5	100.7	98.5	91.2	90.2	101.1	100.9	25.8	25.4	101.6	101.2	162	159	101.9	96.4
P2	7.3	7.4	98.6	114.1	89.8	89.8	100.0	100.4	90.2	90.2	100.0	99.8	25.3	25.1	100.8	99.2	171	175	97.7	101.8
Q2		4.6				87.9				91.0				25.6				182		
R2	7.1	7.1	100.0	110.9	90.3	90.4	99.9	101.0	91.0	91.1	99.9	100.7	26.6	26.5	100.4	104.3	176	171	102.9	104.8
W2	8.0	7.9	101.3	125.0	90.3	90.4	99.9	101.0	90.1	90.3	99.8	99.7	25.2	24.5	102.8	98.8	167	168	99.4	99.4
Z2		6.6				89.2				90.4				25.5				160		
B3		5.8				89.0				89.3								165		
FKI DATA																				
CUR.																				
AV. 6.1																				
CUM.																				
AV. 6.4																				
IND.																				
*D 95.3																				
99.9																				
100.1																				
99.2																				
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
OCTOBER, 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
B1	5.7	5.4	105.6	89.1	88.3	88.2	100.1	98.8	90.3	90.5	99.8	99.9	26.5	26.7	99.2	103.9	162	165	98.2	96.4
O1	5.5	5.8	94.8	85.9	90.7	90.7	100.0	101.4	91.0	91.0	100.0	100.7	26.6	26.9	98.9	104.3	167	172	97.1	99.4
F1	7.4	7.3	101.4	115.6	90.7	89.9	100.9	101.4	91.1	90.5	100.7	100.8	24.7	24.1	102.5	96.9	176	177	99.4	104.8
O1	4.1	4.3	95.3	64.1	87.7	87.6	100.1	98.1	91.2	90.9	100.3	100.9	26.4	26.1	101.1	103.5	172	177	97.2	102.4
S1		7.0				90.1				90.4				26.0			172			
U1	8.3	8.3	100.0	129.7	89.3	90.2	99.0	99.9	88.9	89.7	99.1	98.3	24.2	24.5	98.8	94.9	166	164	101.2	98.8
X1	6.3	6.3	100.0	98.4	89.7	89.7	100.0	100.3	91.1	91.2	99.9	100.8	24.8	25.6	96.9	97.2	159	155	102.6	94.6
Y1	5.1	5.1	100.0	79.7	90.0	90.0	100.0	100.7	90.3	90.3	100.0	99.9	24.9	24.5	101.6	97.6	168	158	106.3	100.0
Z1	7.9	7.3	108.2	123.4	89.4	89.3	100.1	100.0	89.3	89.8	99.4	98.8	25.1	25.7	97.7	98.4	168	174	96.6	100.0
M2		5.9				89.8				90.1				25.7			166			
J2		6.8				88.6				89.5				25.4			158			
L2	6.3	6.5	96.9	98.4	88.9	89.1	99.8	99.4	90.3	90.4	99.9	99.9	25.3	24.8	102.0	99.2	165	163	101.2	98.2
M2		6.5				89.7				90.1				26.4			171			
N2	4.8	5.8	82.8	75.0	88.9	88.8	100.1	99.4	91.8	90.6	101.3	101.5	25.3	24.2	104.5	99.2	170	166	102.4	101.2
O2	4.9	4.8	102.1	76.6	85.7	87.5	97.9	95.9	88.4	90.3	97.9	97.8	25.6	25.6	100.0	100.4	155	158	98.1	92.3
P2		7.4				89.8				90.2				25.1			174			
Q2	3.5	4.6	76.1	54.7	86.7	87.9	98.6	97.0	90.8	91.0	99.8	100.4	26.2	25.6	102.3	102.7	178	182	97.8	106.0
T2	7.1	7.1	100.0	110.9	90.3	90.4	99.9	101.0	91.0	91.1	99.9	100.7	26.0	26.5	98.1	102.0	171	172	99.4	101.8
W2	8.0	7.9	101.3	125.0	90.4	90.4	100.0	101.1	90.2	90.3	99.9	99.8	25.0	24.6	101.6	98.0	167	168	99.4	99.4
Z2		6.6				89.2				90.4				25.5			160			
B3		6.0				88.8				89.2							162			
FKI DATA																				
CUR.																				
AV. 6.1																				
CUM.																				
AV. 6.4																				
IND.																				
*D 95.3																				
99.6																				
100.0																				
100.0																				
99.4																				

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

Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table 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
SEPTEMBER AND OCTOBER, 1974

Code	Conditioning Environment			Testing Environment	
	Are Quality Samples Conditioned before Testing?	Time	Temp., °F	RH, %	Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
A1	No	--	--	--	No
B1	No	--	--	--	No
C1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
D1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
E1	No	--	--	--	No
F1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
G1	No data submitted for September and October			--	Yes: 73 ± 3°F; 50 ± 2% RH
H1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
I1	No data submitted for September and October			--	Yes: 73 ± 3°F; 50 ± 2% RH
J1	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
K1	Yes	15 min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
L1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
M1	Yes	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
N1	No	--	--	--	Yes: 75 ± 5°F; 50 ± 5% RH
O1	No	--	--	--	No
P1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
Q1	No	--	--	--	Yes: 70 ± 3°F; 50 ± 3% RH
R1	No	--	--	--	Yes: 73 ± 4°F; 50 ± 10% RH
S1	No	--	--	--	No
T1	No	--	--	--	Yes: 73 ± 3°F; 50% RH
U1	No	--	--	--	No
V1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
W1	Yes	20 min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
X1	No	--	--	--	No
Y1	No	--	--	--	No
Z1	No	--	--	--	No
A2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
B2	No	--	--	--	No
C2	No	--	--	--	No
D2	Yes	20 min	--	--	Yes: 71 ± 3°F; 51 ± 2% RH
E2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
F2	No	--	--	--	No
G2	Yes	15 min	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
H2	Yes	--	--	--	No
I2	No	--	--	--	Yes: 72 ± 3.5°F; 50 ± 2% RH
J2	No	--	--	--	Yes: 73 ± 4°F; 50 ± 10% RH
K2	Yes	--	73	50	Yes: 73°F; 50 ± 2% RH
L2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 5% RH
M2	No data submitted for September and October			--	No
N2	No	--	--	--	No
O2	No	--	--	--	No
P2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
Q2	No	--	--	--	No
R2	Yes	7 min	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
S2	No	--	--	--	No
T2	No	--	--	--	Yes: 70 ± 3°F; 50 ± 3% RH
U2	No	--	--	--	No
V2	No	--	--	--	Yes: 72 ± 2°F; 55 ± 5% RH
W2	No	--	--	--	No
X2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
Y2	No	--	--	--	No
Z2	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
A3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
B3	No	--	--	--	No
C3	No	--	--	--	No
D3	No	--	--	--	No

THE INSTITUTE OF PAPER CHEMISTRY

A handwritten signature in dark ink, appearing to read "RCM Kue", is positioned above a horizontal line.

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

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

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

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

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

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

^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.