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Rev 07/10/02

PRODUCTION BY GRADE

Jan. 80 - June 80

PROGRAM: A4PS35C2 — S C M A L L I E D P A P E R I N C. — PAGE 1
RUN DATE: 07/02/80 — DAILY PRODUCTION SYSTEM
PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

June. 1980

MCH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC
5	33.00	1202	SPECIAL AM PRIDE	41.7	35.1	91.82	115968	104610	1180	103430	89.18
5	28.00	1402	BRITISH OPAQUE - SER	16.6	15.4	101.20	41431	42310		42310	102.12
5	32.00	1802	ALLIED PRIDE	106.0	98.8	101.37	279317	278550		278550	99.72
5	35.00	1805	ALLIED PRIDE	7.0	3.8	59.22	10716	8320		8320	77.64
5	35.00	2104	BRITISH OPAQUE	16.0	14.8	99.95	45091	49550		49550	109.88
5	32.00	2202	IMPERIAL BIBLE	257.9	242.3	102.49	617560	658200		658200	106.58
5	34.00	2210	SPEC. IMP. BIBLE	14.1	13.3	104.45	27263	16090	2700	13390	49.18
5	32.00	2233	IMPERIAL BIBLE EXTRA	10.2	10.1	108.02	21524	14830		14830	68.89
5	32.00	2234	BW IMPERIAL BIBLE PL	12.0	10.0	96.36	21867	17200		17200	78.63
5	35.00	2240	LAWYERS WHITE OFFSET	79.7	73.6	100.74	216851	226910	880	226030	104.23
5	35.00	2241	LAWYERS OFFSET	77.1	73.8	103.57	222931	228810		228810	102.63
5	30.00	2418	SHAKESPEARE THIN	9.8	9.3	100.45	15818	15300		15300	96.64
5	30.00	2426	SHAKESPEARE THIN	27.0	24.3	98.18	45527	47500	1400	46100	84.54
5	35.00	2503	SOLITUDE OPAQUE	18.6	16.9	99.12	44350	44510		44510	100.36
5	35.00	2504	SOLITUDE OPAQUE	5.7	5.4	103.35	16293	20040		20040	122.99
5	35.00	2514	INTERNATIONAL HARVES	15.0	14.8	107.64	43821	42120		42120	96.11
5	30.00	2516	CELLUPAQUE	30.7	25.8	91.68	73394	60030	1400	58630	79.88
5	28.00	2528	A H DICTIONARY	12.7	11.8	101.36	28404	26050		26050	91.71
5	38.00	3038	HOME DICTIONARY PAPE	39.3	35.8	99.38	129288	126320		126320	105.01
5	30.00	3830	WHITE BOOKLITE	17.5	15.7	97.87	47855	46240		46240	98.26
	30.82		MACH TOTAL 1.09091	811.2	746.7	100.42	2064177	2073490	7560	2065930	100.08
6	55.00	142	ELECTRO - IIA A B DI	126.5	110.2	95.03	588266	615330	21720	593610	100.90
6	45.00	1000	O.P. OFFSET	18.4	14.7	87.15	61716	79550		79550	128.89
6	40.00	1503	J OFFSET	66.9	62.3	101.59	380872	425720	30110	395610	103.86
6	50.00	1533	B W 'J' OFFSET	52.7	51.4	106.40	354779	372310	5160	367150	103.48
6	55.00	1549	B W J OFFSET	40.8	37.9	103.38	264887	261760		261760	99.11
6	48.00	2503	SOLITUDE OPAQUE	11.7	8.4	78.32	47408	28280		28280	59.66
6	45.00	2506	SOLITUDE OPAQUE	8.9	7.8	98.61	49438	46160	5720	40440	81.79
6	50.00	2507	SOLITUDE OPAQUE	10.2	9.8	104.81	70680	64460		64460	91.19
6	48.00	2513	TBW SUPERIOR OFFSET	79.4	77.5	106.48	449338	467210		467210	103.97
6	40.00	2960	GPO LOT 16 OFFSET	7.8	7.8	109.09	45645	61970		61970	135.76
6	50.00	2961	BW G OFFSET	69.5	66.2	103.91	453260	494110	5720	488390	107.75
6	60.00	2962	GPO LOT 21	119.1	113.9	104.33	851805	914020		914020	107.30
6	45.00	3001	SUPERIOR OFFSET	38.6	32.8	90.44	208195	213400	1390	212010	101.83
6	38.00	3838	WHITE BOOKLITE	3.2	1.9	64.77	7552	5080		5080	66.20
6	45.00	7100	K WHITE OFFSET	104.2	94.4	98.83	536389	526380	30550	495830	89.12
6	45.00	7101	K WHITE OFFSET	12.7	11.1	95.38	71873	76300		76300	106.15
6	50.00	7102	K WHITE OFFSET	11.2	8.8	77.92	54142	54180		54180	100.07
6	60.00	7104	K WHITE OFFSET	2.4	1.9	86.36	14734	14980		14980	101.66
6	50.00	7122	BW K OFFSET - ANTIQU	5.2	4.4	92.31	32168	24980		24980	77.65
6	60.00	7124	BW K OFFSET - ANTIQU	19.6	16.1	89.61	114733	118880		118880	103.61
	49.50		MACH TOTAL 1.09091	808.2	737.7	99.57	4816992	4864980	100370	4764610	101.87
7	33.00	202	LAUREL TEXT - RS	8.7	7.1	89.03	29155	34240		34240	117.44
7	38.00	203	LAUREL TEXT - RS	10.3	10.0	105.91	41738	47540		47540	113.90
7	48.00	205	LAUREL TEXT R.S.	18.5	17.4	102.60	91350	102760		102760	112.49
7	45.00	1000	O.P. OFFSET	8.3	8.0	105.15	38400	43260		43260	117.65

SR 85114

PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
17	45.00	802	LAUREL TEXT	55.6	34.1	67.68	294521	284520	4950	279570	94.92
17	50.00	803	LAUREL TEXT	81.2	44.1	59.93	407836	394390	4000	390390	95.72
17	55.00	804	LAUREL TEXT	2.0	1.0	88.28	15744	15100		15100	95.90
17	60.00	806	LAUREL TEXT	14.1	8.4	65.74	108423	101950		101950	94.02
17	43.00	812	LAUREL TEXT	51.7	34.4	73.42	292754	279810	7800	272010	92.91
17	40.00	821	CAMELIA MATTE								
17	70.00	828	CAMELIA MATTE	2.0	1.0	88.28	20866	17700		17700	84.82
17	50.00	833	CAMELIA MATTE	58.3	39.3	74.38	349185	314840	7600	307240	87.98
17	35.00	846	RAM KOTE	103.1	59.2	63.36	396259	395960	11900	384060	97.16
17	55.00	853	H W MASTER - NON BLE	25.9	12.6	53.68	108164	92090	4750	87340	80.74
17	91.00	872	DRY TONER TYPE SV	11.0	10.3	103.32	167815				
17	60.00	878	ELECTROSTATIC TYPE I	278.9	194.8	76.75	1208716	698405		698405	57.87
	56.83		MACH TOTAL 1:10345	883.8	439.8	70.94	3367283	2594765	41000	2553765	75.84

865115 SA

PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC
7	38.00	1108	E. B. NEW SHADE	143.2	117.6	89.59	516069	517750	11140	506610	98.16
7	45.00	1518	B.W. OFFSET MF STD	13.3	8.4	68.98	40656	43350		43350	106.62
7	33.00	1803	PRIDE OPAQUE	24.3	24.0	107.74	100223	117070		117070	116.80
7	30.00	2008	BRITE LITE THIN								
7	31.00	2009	ROYAL LITE								
7	38.00	2102	BRITISH OPAQUE	62.2	60.8	105.23	244221	268960	10380	258580	105.87
7	34.00	2202	SPEC. IMP. BIBLE								
7	28.00	2221	EXTRA WH IMPERIAL BI	47.4	45.5	104.72	112054	109920	2800	107120	95.59
7	35.00	2241	LAWYERS OFFSET						1000	1000	
7	35.00	2407	SHAKESPEARE THIN	15.8	14.7	101.50	64562	71230	2220	69010	106.88
7	35.00	2522	AMERICAN HERITAGE DI								
7	38.00	3002	SUPERIOR OFFSET	19.8	18.5	106.22	94350	104510		104510	110.76
7	48.00	3501	SCHOOL COTE	5.7	5.8	99.69	16778	27620		27620	164.62
7	48.00	3502	SCHOOL COTE	15.6	14.8	99.30	56896	52800		52800	92.80
7	60.00	3503	SCHOOL COTE	4.9	4.6	102.41	23073	25520		25520	110.60
7	38.00	3830	WHITE BOOKLITE	362.4	334.3	100.63	1386242	1507970	16200	1491770	107.61
7	35.00	3835	WHITE BOOK LITE								
7	48.00	7100	K WHITE OFFSET	26.5	21.1	86.86	98848	103580	6150	97430	98.56
7	50.00	7102	K-WHITE OFFSET	20.6	19.0	103.88	102356	108980		108980	98.57
	33.12		MACH TOTAL 1.09091	806.7	730.0	98.72	3856971	3278980	49890	3229090	105.63
8	38.00	208	LAUREL TEXT - RS	31.6	30.8	104.26	127566	129300		129300	101.35
8	58.00	226	CAMELIA MATTE RS	2.8	2.8	109.09	13356	17350		17350	129.90
8	65.00	272	TYPE IV BASE STOCK L	16.9	15.6	101.30	65796	71990		71990	109.41
8	60.00	276	TYPE IV BLADE BASE	164.7	152.2	100.81	748090	787940		787940	105.21
8	45.00	1518	B.W. OFFSET MF STD	8.7	8.1	101.57	45475	30240		30240	66.49
8	50.00	1533	B W "J" OFFSET	29.3	21.2	78.93	118398	119060		119060	100.56
8	38.00	1549	B W J OFFSET	5.8	5.6	105.33	20224	22920		22920	81.21
8	38.00	1559	BW JACKSON OFFSET	19.4	18.7	99.26	63565	65520	2570	62950	113.19
8	38.00	1578	B.W. J OFFSET	12.3	12.3	109.09	59546	68840		68840	115.62
8	40.00	1708	B W "J" OFFSET - OPA	6.3	5.9	102.16	25830	29250		29250	114.12
8	50.00	1902	TENNYSON OFFSET	2.3	2.3	109.09	12413	12270		12270	98.84
8	60.00	1904	TENNYSON OFFSET	1.5	1.5	109.09	8550	9660		9660	112.98
8	35.00	2104	BRITISH OPAQUE	16.5	10.8	69.42	43092	45440		45440	105.44
8	38.00	2308	MERRIAM DICTIONARY	125.2	101.6	88.53	347340	325990	12050	313940	90.38
8	38.00	2906	GPO LOT 21	21.6	19.7	99.50	116646	126250	4550	121700	104.33
8	45.00	2908	GPO LOT 78C	8.9	8.4	102.96	46566	42690		42690	91.65
8	45.00	3001	SUPERIOR OFFSET	7.1	6.1	93.73	28869	38040		38040	104.05
8	38.00	3002	SUPERIOR OFFSET	137.3	116.3	92.56	604972	647890	7170	640720	105.90
8	38.00	3409	END LEAF OFFSET - HI	41.8	37.9	98.91	194703	199500	2450	197050	101.20
8	35.00	3835	WHITE BOOK LITE	5.0	4.7	102.55	17089	18320		18320	107.20
8	60.00	6100	WHITE CAP GUN STOCK	12.3	10.8	87.27	565800	534000	1370	520630	92.08
8	48.00	7100	K WHITE OFFSET	10.7	10.4	100.02	46709	44130		44130	94.35
8	48.00	7101	K WHITE OFFSET	29.8	28.2	105.36	144640	155530		155530	107.52
8	48.00	7102	K WHITE OFFSET	57.2	50.4	96.12	279109	268350	3670	264680	94.83
8	48.00	7104	K WHITE OFFSET	17.1	15.1	96.33	80325	86130	3870	82260	102.40
8	70.00	7105	K-WHITE OFFSET	3.6	3.2	98.97	15491	16560		16560	106.90
8	50.00	7122	BW K OFFSET - ANTIQU	13.3	7.0	57.42	42096	21360		21360	50.74

SA 855116/

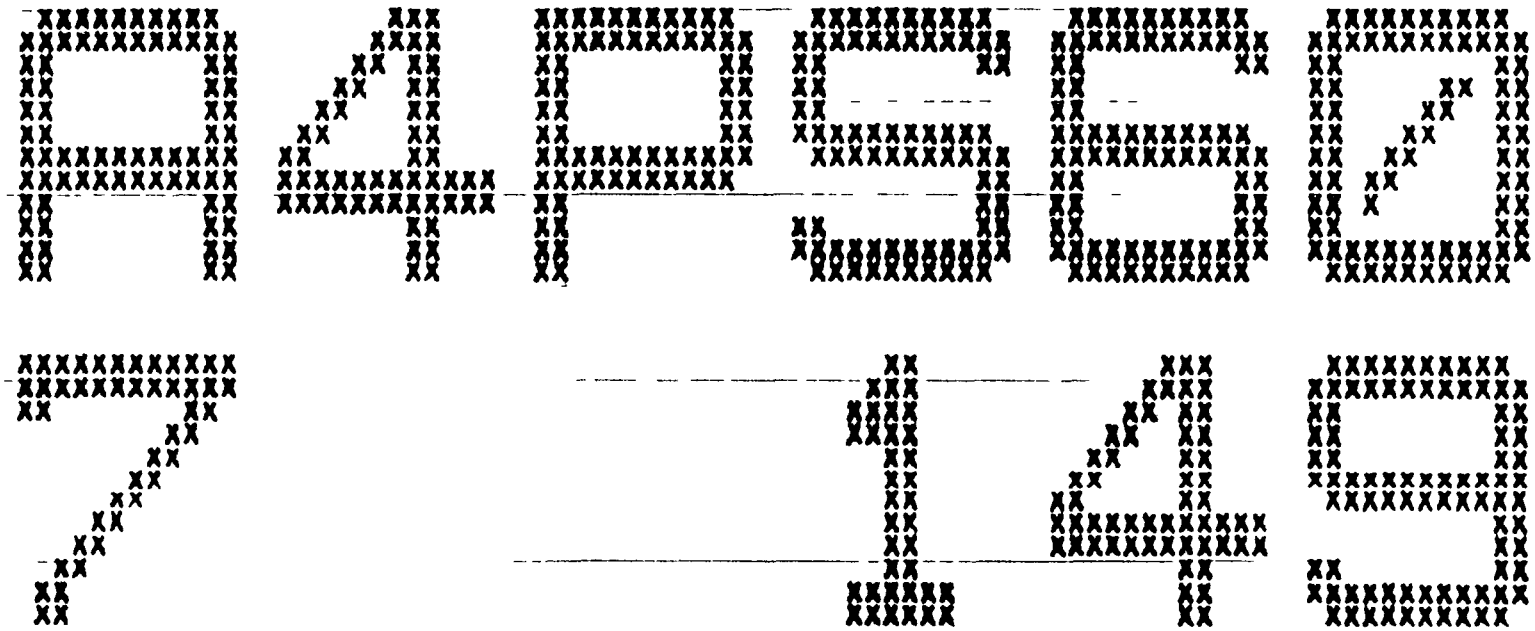
PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
	52.76		MACH TOTAL 1.09091	799.5	696.1	94.98	3371556	3443490	37700	3405790	101.01
9	33.00	202	LAUREL TEXT - RS	69.8	55.7	87.05	206496	235090		235090	113.84
9	38.00	203	LAUREL TEXT - RS	54.6	46.7	93.31	189929	187830		187830	98.89
9	43.00	204	LAUREL TEXT R.S.	3.3	2.8	92.56	11882	13640		13640	114.79
9	32.00	212	LAUREL TEXT R.S.	86.2	67.8	85.55	243111	256990		256990	105.70
9	38.00	233	CAMELIA MATTE R.S.	84.7	81.4	104.84	814204	343560		343560	109.34
9	29.00	246	RAM KOTE R.S.	132.5	119.9	98.72	363479	392680		392680	108.03
9	48.00	253	HWT - NON BLEED R.S.	23.9	21.2	96.77	97324	97220		97220	99.89
9	38.00	1508	SPEC. JACKSON OFFSET	78.8	70.7	97.88	283812	307280		307280	108.26
9	48.00	1503	J OFFSET	19.8	15.8	87.85	66607	70560		70560	105.93
9	38.00	1809	ALLIED PRIDE	7.2	7.0	106.06	27162	30700		30700	113.02
9	30.00	2509	SOLITUDE OPAQUE	3.9	3.6	109.09	13515	12850		12850	95.07
9	48.00	2505	SOLITUDE OPAQUE	3.2	1.9	64.77	8833	10740		10740	121.58
9	40.00	2513	IBM SUPERIOR OFFSET	119.3	111.9	102.32	460888	521260		521260	113.09
9	35.00	2514	INTERNATIONAL HARVES	18.1	15.3	92.22	56645	42310		42310	74.69
9	30.00	2516	CELLUPAQUE	15.9	15.8	106.35	51390	53350	1260	52090	101.36
9	40.00	3500	SCHOOL COTE						1450	1450	
9	45.00	7101	K WHITE OFFSET	20.9	13.4	69.94	59937	58440		58440	97.50
9	40.00	7128	B W K OFFSET - ANTIQ	4.0	2.9	78.09	11152	10980		10980	98.45
	36.37		MACH TOTAL 1.09091	746.1	653.8	95.57	2466366	2645480	2710	2642770	107.15
			MILL TOTAL	3971.7	3564.1	97.90	15636062	16306420	198230	16108190	103.01
10	20.00	2000	BRITE LITE THIN	32.8	26.1	88.83	46644	43580	2840	40740	87.34
10	26.00	2004	BRITE LITE THIN	22.4	18.7	93.19	37026	41280	1120	40160	108.46
10	28.00	2005	BRITE LITE THIN	21.3	11.4	59.74	27440	22740	1200	21540	78.49
10	20.80	2008	BRITE LITE SUPREME	.5	.5	111.63	938	880		880	93.81
10	20.00	2011	ZONDERLITE 84	127.8	117.9	102.98	232113	221400	41520	179880	77.49
10	30.00	2204	IMPERIAL BIBLE	35.2	30.7	97.36	69826	62460	19250	43230	62.08
10	24.00	2210	IMPERIAL BIBLE EF NA	95.5	85.3	99.71	182457	176485	12910	163575	89.65
10	21.00	2215	NELTEXT - T. NELSON	189.5	168.9	99.49	343736	327930		327930	95.40
10	30.00	2222	EXTRA WH IMPERIAL BI	3.2	2.2	76.74	3445	3420		3420	99.27
10	21.00	2223	NATO TEXT BIBLE 80	144.1	118.5	91.80	234496	217260	24090	193170	82.37
10	25.00	2403	SHAKESPEARE THIN	55.7	51.9	104.01	107615	114660		114660	106.54
	22.34		MACH TOTAL 1.21628	728.0	632.1	96.92	1289538	1232095	102910	1129185	87.83
11	24.00	2210	IMPERIAL BIBLE EF NA	40.0	38.6	86.40	61689	62565		62565	101.42
11	21.50	6400	CIGARETTE TIPPING -	173.2	148.7	95.84	253466	227090	53945	173145	68.31
11	27.00	6411	WHITE TIPPING BASE						2155	2155	
11	16.25	6700	CRIMPING WRAP	326.7	240.6	82.21	384960	351605		351605	91.33
11	17.00	6717	WHITE CRIMPING PAPER	152.8	135.8	98.62	226800	227770		227770	100.42
	18.38		MACH TOTAL 1.21628	692.7	554.9	89.42	926915	869030	56100	812930	87.70
			MILL TOTAL	1420.7	1187.0	93.27	2812451	2101185	159010	1942115	87.78
15	78.00	526	ELECTROSTATIC -A B D	181.5	146.6	89.13	569526	584500	12335	572165	100.46
15	78.00	533	ELECTROSTATIC - AB D	16.0	11.0	75.86	43758	44640	2500	42140	96.30
	78.00		MACH TOTAL 1.10345	197.5	157.6	88.09	613284	629140	14835	614305	100.16

865117 SA

PRODUCTION

5 WEEKS OF JUNE 1980



SA 865118

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1001  RECORD TYPE=F,LENGTH=(80,,80)                                      0012
1001  INPFIL BLKSIZE=4080                                                0013
1001  OUTFIL BLKSIZE=4080                                                0014
1001  END                                                                0015

1031 SORT  COMPLETE, IN 1069, OUT 1069.
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SR 85119

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
5	1202	SPECIAL AM PRIDE	600	600	7	100.00
					7	100.00
	1402	BRITISH OPAQUE - SERVICE OFFSE	600	600	4	100.00
					4	100.00
	1802	ALLIED PRIDE	600	600	17	100.00
					17	100.00
	1805	ALLIED PRIDE	570	600	2	105.26
					2	105.26
	2104	BRITISH OPAQUE	570	570	3	100.00
			570	600	1	105.26
					4	101.31
	2201	IMPERIAL BIBLE	600	600	30	100.00
			600	620	3	103.33
					33	100.30
	2219	SPEC. IMP. BIBLE	600	600	2	100.00
			600	640	1	106.66
					3	102.22
	2233	IMPERIAL BIBLE EXTRA WHITE	620	620	2	100.00
					2	100.00
	2234	BW IMPERIAL BIBLE PLUS	600	620	2	103.33
					2	103.33
	2240	LAWYERS WHITE OFFSET	600	600	11	100.00
					11	100.00
	2241	LAWYERS OFFSET	570	570	3	100.00
			570	580	6	101.75
			570	600	3	105.26
					12	102.19
	2407	SHAKESPEARE THIN	570	560	1	98.24
			570	600	1	105.26
					2	101.75
	2426	SHAKESPEARE THIN	600	600	5	100.00
					5	100.00
	2503	SOLITUDE OPAQUE	600	600	5	100.00
					5	100.00
	2504	SOLITUDE OPAQUE	570	600	1	105.26

065128 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MCH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
					1	105.26
	2514	INTERNATIONAL HARVESTER OPAQUE	570	560	3	98.24
					3	98.24
	2516	CELLUPAQUE	600	580	1	96.66
			600	600	3	100.00
					4	99.16
	2528	A H DICTIONARY	600	600	3	100.00
					3	100.00
	3038	HOME DICTIONARY PAPER	560	570	3	101.78
			560	590	1	105.35
			560	600	2	107.14
					6	104.16
	3830	WHITE BOOKLITE	600	600	1	100.00
			600	630	2	105.00
					3	103.33
						100.77

SH 095121

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
6	142	ELECTRO - IIA A B DICK RS	500	480	7	96.00
			500	500	7	100.00
			500	520	12	104.00
			500	720	1	144.00
					27	102.37
	1000	Q.P. OFFSET	500	640	1	128.00
			500	720	2	144.00
					3	138.66
	1503	J OFFSET	740	740	12	100.00
					12	100.00
	1533	B W ADJ OFFSET	700	700	2	100.00
			700	720	5	102.85
			700	740	2	105.71
					9	102.85
	1549	B W J OFFSET	670	620	1	92.53
			670	690	3	102.98
			670	700	2	104.47
					6	101.73
	2505	SOLITUDE OPAQUE	740	720	1	97.29
			740	750	1	101.35
					2	99.32
	2506	SOLITUDE OPAQUE	720	720	2	100.00
			720	750	1	104.16
					3	101.38
	2507	SOLITUDE OPAQUE	700	700	2	100.00
					2	100.00
	2513	IBM SUPERIOR OFFSET	740	740	18	100.00
					18	100.00
	2960	GPO LOT 16 OFFSET	740	700	1	94.59
					1	94.59
	2961	BW B OFFSET	700	700	16	100.00
			700	720	1	102.85
					17	100.16
	2962	GPO LOT 21	620	620	18	100.00
			620	640	3	103.22
					21	100.46
	3001	SUPERIOR OFFSET	720	720	8	100.00

865122 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

CM	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
			720	740	1	102.77
					9	100.30
	3830	WHITE BOOKLITE	750	780	1	104.00
					1	104.00
	7100	K WHITE OFFSET	740	640	1	86.48
			740	700	1	94.59
			740	740	15	100.00
			740	760	4	102.70
					21	99.61
	7101	K WHITE OFFSET	720	700	1	97.22
			720	720	1	100.00
					2	98.61
	7102	K WHITE OFFSFT	700	700	2	100.00
					2	100.00
	7104	K WHITE OFFSET	620	620	1	100.00
					1	100.00
	7122	BW K OFFSET - ANTIQUE	700	700	2	100.00
					2	100.00
	7124	BW K OFFSET - ANTIQUE	620	620	3	100.00
					3	100.00
						101.36

SA 065123

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
7	202	LAUREL TEXT - RS	750	700	1	93.33
			750	750	1	100.00
					2	96.66
	203	LAUREL TEXT - RS	700	700	3	100.00
					3	100.00
	205	LAUREL TEXT R.S.	620	500	1	80.64
			620	620	3	100.00
					4	95.16
	1000	Q.P. OFFSET	630	630	2	100.00
					2	100.00
	1100	E. B. NEW SHADE	750	620	1	82.66
			750	700	1	93.33
			750	750	17	100.00
					19	98.73
	1510	B.W. OFFSET MF STD	630	630	2	100.00
					2	100.00
	1803	PRIDE OPAQUE	750	750	4	100.00
					4	100.00
	2102	BRITISH OPAQUE	750	750	10	100.00
					10	100.00
	2221	EXTRA WH IMPERIAL BIBLE	670	670	7	100.00
					7	100.00
	2407	SHAKESPEARE THIN	740	740	2	100.00
					2	100.00
	3002	SUPERIOR OFFSET	580	580	3	100.00
					3	100.00
	3500	SCHOOL COTE	500	500	2	100.00
					2	100.00
	3501	SCHOOL COTE	500	500	1	100.00
			500	580	2	116.00
					3	110.66
	3503	SCHOOL COTE	450	500	1	111.11
					1	111.11
	3830	WHITE BOOKLITE	750	630	1	84.00
			750	750	51	100.00

85124 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
					52	99.69
	7100	K WHITE OFFSET	680	680	4	100.00
					4	100.00
	7102	K WHITE OFFSET	580	580	6	100.00
					6	100.00
						99.81

SD 865125

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
8	203	LAUREL TEXT - RS	720	720	6	100.00
			720	750	1	104.16
					7	100.59
	226	CAMELIA MATTE RS	550	640	2	116.36
					2	116.36
	272	TYPE IV BASE STOCK LIQ. TONER	400	450	1	112.50
			400	500	5	125.00
					6	122.91
	276	TYPE IV BLADE BASE	500	470	10	94.00
			500	500	20	100.00
					30	98.00
	1510	B.W. OFFSET MF STD	730	730	2	100.00
					2	100.00
	1533	B W "J" OFFSET	730	720	5	98.63
			730	730	2	100.00
					7	99.02
	1549	B W J OFFSET	650	650	2	100.00
					2	100.00
	1559	BW JACKSON OFFSET	590	650	3	110.16
					3	110.16
	1578	B.W. J OFFSET	500	570	2	114.00
					2	114.00
	1700	B W "J" OFFSET - OPACIFIED	720	720	2	100.00
					2	100.00
	1902	TENNYSON OFFSET	730	730	1	100.00
					1	100.00
	1904	TENNYSON OFFSET	590	650	1	110.16
					1	110.16
	2104	BRITISH OPAQUE	730	730	2	100.00
			730	750	1	102.73
					3	100.91
	2300	MERRIAM DICTIONARY	730	750	16	102.73
					16	102.73
	2962	GPO LOT 21	620	600	4	96.77
					4	96.77

065126 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
	2985	GPO LOT 78C	700	730	2	104.28
					2	104.28
	3001	SUPERIOR OFFSET	730	720	1	98.63
			730	750	1	102.73
					2	100.68
	3002	SUPERIOR OFFSET	730	720	12	98.63
			730	750	9	102.73
					21	100.38
	3400	END LEAF OFFSET - HI ORAQUE	400	380	4	95.00
			400	400	11	100.00
			400	440	2	110.00
			400	750	1	187.50
					18	104.86
	3835	WHITE BOOK LITE	730	730	2	100.00
					2	100.00
	6100	WHITE CAP GUN STOCK	590	600	1	101.69
			590	620	1	105.08
					2	103.38
	7100	K WHITE OFFSET	720	720	4	100.00
					4	100.00
	7101	K WHITE OFFSET	730	720	4	98.63
			730	750	2	102.73
					6	99.99
	7102	K WHITE OFFSET	730	720	12	98.63
			730	730	6	100.00
			730	750	2	102.73
					20	99.45
	7104	K WHITE OFFSET	590	600	4	101.69
					4	101.69
	7105	K WHITE OFFSET	500	500	1	100.00
					1	100.00
	7122	BW K OFFSET - ANTIQUE	730	720	2	98.63
					2	98.63
						101.83

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
9	202	LAUREL TEXT - RS	720	700	2	97.22
			720	760	9	105.55
					11	104.03
	203	LAUREL TEXT - RS	720	680	10	94.44
			720	760	3	105.55
					13	97.00
	204	LAUREL TEXT R.S.	680	740	1	108.82
					1	108.82
	212	LAUREL TEXT R.S.	720	720	2	100.00
			720	740	2	102.77
			720	760	9	105.55
					13	104.26
	233	CAMELIA MATTE R.S.	720	740	11	102.77
					11	102.77
	246	RAM KOTE R.S.	700	740	1	105.71
			700	750	16	107.14
			700	760	1	108.57
					18	107.14
	253	HWT ≠ NON BLEED R.S.	600	600	5	100.00
					5	100.00
	1500	SPEC. JACKSON OFFSET	720	720	3	100.00
			720	760	9	105.55
					12	104.16
	1503	J OFFSET	700	700	4	100.00
					4	100.00
	1805	ALLIED PRIDE	720	760	2	105.55
					2	105.55
	2503	SOLITUDE OPAQUE	720	740	1	102.77
					1	102.77
	2505	SOLITUDE OPAQUE	700	740	1	105.71
					1	105.71
	2513	IBM SUPERIOR OFFSET	700	700	5	100.00
			700	740	4	105.71
			700	750	1	107.14
			700	760	10	108.57
					20	105.78

SA 865128

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

CM	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
	2514	INTERNATIONAL HARVESTER OPAQUE	720	760	3	105.55
					3	105.55
	2516	CELLUPAQUE	720	740	4	102.77
					4	102.77
	7101	K WHITE OFFSET	670	680	2	101.49
			670	700	2	104.47
					4	102.98
	7120	B W K OFFSET - ANTIQUE	740	700	1	94.59
					1	94.59
						103.61

SA 865129

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
10	2000	BRITE LITE THIN	650	670	1	103.07
			650	700	2	107.69
			650	710	3	109.23
					6	107.69
	2004	BRITE LITE THIN	600	660	1	110.00
			600	670	2	111.66
			600	700	1	116.66
					4	112.49
	2005	BRITE LITE THIN	600	600	2	100.00
			600	670	2	111.66
					4	105.83
IN	2008	BRITE LITE SUPREME	650	700	1	107.69
					1	107.69
	2011	ZONDERLITE 84	650	700	19	107.69
					19	107.69
	2202	IMPERIAL BIBLE	510	560	6	109.80
					6	109.80
	2210	IMPERIAL BIBLE EF NAT PUB	620	560	1	90.32
			620	580	1	93.54
			620	660	5	106.45
			620	670	6	108.06
			620	700	2	112.90
					15	106.01
	2215	NELTEXT - T. NELSON	650	680	2	104.61
			650	700	16	107.69
			650	710	7	109.23
					25	107.87
	2221	EXTRA WH IMPERIAL BIBLE	620	710	1	114.51
					1	114.51
	2223	NATO TEXT BIBLE 80	650		2	
			650	700	3	107.69
			650	710	16	109.23
					21	98.60
	2403	SHAKESPEARE THIN	610	670	8	109.83
					8	109.83
						106.20

JO

SA 065138

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MCH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
11	2210	IMPERIAL BIBLE EF NAT PUB	620	630	5	101.61
					5	101.61
	6400	CIGARETTE TIPPING - CORK	570	540	1	94.73
			570	560	12	98.24
			570	580	11	101.75
			570	740	1	129.82
					25	100.90
	6700	CRIMPING WRAP	700		2	
			700	660	1	94.28
			700	700	1	100.00
			700	710	18	101.42
			700	720	9	102.85
			700	740	13	105.71
			700	750	5	107.14
					43	98.76
	6717	WHITE CRIMPING PAPER	700		1	
			700	710	10	101.42
			700	720	10	102.85
					21	97.27
						99.15

SA 065131

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
15	526	ELECTROSTATIC -A B DICK	510		24	
					24	
	533	ELECTROSTATIC - AB DICK	510		2	
					2	

SA 065132

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MCH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
17	802	LAUREL TEXT	1250		9 9	
	803	LAUREL TEXT	1250		22 22	
	804	LAUREL TEXT	1270		1 1	
	805	LAUREL TEXT	1250		2 2	
	812	LAUREL TEXT	1300		9 9	
	826	CAMELIA MATTE	1270		1 1	
	833	CAMELIA MATTE	1300		9 9	
	846	RAM KOTE	1300		14 14	
	853	H W MASTER - NON BLEED II	1000		5 5	
	872	DRY TONER TYPE IV	1100		4 4	
	876	ELECTROSTATIC TYPE IV	450		50 50	

SA 065133

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***  SORT/MERGE 5746-SM2, REL 1, MOD 0, PTF 04,  DATE 07/02/80
7800I  OPTION ROUTE=LST                                                    0010
7800I  SORT FIELDS=(15,2,ZD,A,19,4,ZD,A,48,2,PD,D),WORK=1,FILES=1        $SLIR011
7800I  RECORD TYPE=F,LENGTH=(80,,80)                                       0012
7800I  INPFIL BLKSIZE=4080                                                 0013
7800I  OUTFIL BLKSIZE=4080                                                 0014
7800I  END                                                                 0015

7J03I SORT  COMPLETE, IN 1069, OUT 1069.
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065134 SA

PROGRAM: A4PS34C1 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 07/02/80 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

CH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
5	1202	SPECIAL AM PRIDE	121	118	7	97.52
					7	97.52
	1402	BRITISH OPAQUE - SERVICE OFFSE	110	114	4	98.27
					4	98.27
	1802	ALLIED PRIDE	105	115	4	109.52
			105	104	13	99.04
					17	101.50
	1805	ALLIED PRIDE	105	100	2	95.23
					2	95.23
	2104	BRITISH OPAQUE	110	113	1	102.72
			110	112	1	101.81
			110	100	2	90.90
					4	96.58
	2201	IMPERIAL BIBLE	110	108	33	98.18
					33	98.18
	2219	SPEC. IMP. BIBLE	118	99	3	83.89
					3	83.89
	2233	IMPERIAL BIBLE EXTRA WHITE	102	111	2	108.82
					2	108.82
	2234	BW IMPERIAL BIBLE PLUS	105	111	2	105.71
					2	105.71
	2240	LAWYERS WHITE OFFSET	110	116	11	105.45
					11	105.45
	2241	LAWYERS OFFSET	110	108	12	98.18
					12	98.18
	2407	SHAKESPEARE THIN	110	100	2	90.90
					2	90.90
	2426	SHAKESPEARE THIN	102	102	5	100.00
					5	100.00
	2503	SOLITUDE OPAQUE	110	105	3	95.45
			110	101	2	91.81
					5	93.99
	2504	SOLITUDE OPAQUE	110	107	1	97.27
					1	97.27

SR 865135

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
	2514	INTERNATIONAL HARVESTER OPAQUE	105	105	3	100.00
					3	100.00
	2516	CELLUPAQUE	121	112	4	92.56
					4	92.56
	2528	A H DICTIONARY	110	102	3	92.72
					3	92.72
	3038	HOME DICTIONARY PAPER	105	112	6	106.66
					6	106.66
	3830	WHITE BOOKLITE	102	118	3	115.68
					3	115.68
				109		99.39

065136 SA

PROGRAM: A4PS34C1 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 07/02/80 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MCH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
6	142	ELECTRO - IIA A B DICK RS	144	145	8	100.69
			144	136	16	94.44
			144	133	3	92.36
					27	96.06
	1000	G.P. OFFSET	105	144	2	137.14
			105	100	1	95.23
					3	123.17
	1503	J OFFSET	142	147	10	103.52
			142	140	2	98.59
					12	102.69
	1533	B W 'J' OFFSET	142	142	2	100.00
			142	140	6	98.59
			142	135	1	95.07
					9	98.51
	1549	B W J OFFSET	142	134	6	94.36
					6	94.36
	2505	SOLITUDE OPAQUE	140	135	2	96.42
					2	96.42
	2506	SOLITUDE OPAQUE	140	139	3	99.28
					3	99.28
	2507	SOLITUDE OPAQUE	140	146	2	104.28
					2	104.28
	2513	IBM SUPERIOR OFFSET	140	142	4	101.42
			140	140	8	100.00
			140	137	3	97.85
			140	135	1	96.42
			140	133	2	95.00
					18	99.20
	2960	GPO LOT 16 OFFSET	142	140	1	98.59
					1	98.59
	2961	AW G OFFSET	142	147	4	103.52
			142	140	1	98.59
			142	138	3	97.18
			142	136	3	95.77
			142	132	6	92.95
					17	97.01
	2962	GPO LOT 21	142	144	18	101.40
			142	131	3	92.25

SA 065137

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
					21	100.09
	3001	SUPERIOR OFFSET	142	147	1	103.52
			142	146	2	102.81
			142	142	1	100.00
			142	140	3	98.59
			142	137	2	96.47
					9	99.76
	3830	WHITE BOOKLITE	138	125	1	90.57
					1	90.57
	7100	K WHITE OFFSET	142	146	7	102.81
			142	140	10	98.59
			142	138	2	97.18
			142	136	1	95.77
			142	134	1	94.36
					21	99.52
	7101	K WHITE OFFSET	142	142	2	100.00
					2	100.00
	7102	K WHITE OFFSET	142	137	2	96.47
					2	96.47
	7104	K WHITE OFFSET	142	148	1	104.22
					1	104.22
	7122	BW K OFFSET - ANTIQUE	142	148	2	104.22
					2	104.22
	7124	BW K OFFSET - ANTIQUE	142	136	3	95.77
					3	95.77
				140		99.10

065138 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MCH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
7	202	LAUREL TEXT - RS	126	118	2	93.65
					2	93.65
	203	LAUREL TEXT - RS	126	112	2	88.88
			126	109	1	86.50
					3	88.08
	205	LAUREL TEXT R.S.	120	125	4	99.20
					4	99.20
	1000	O.P. OFFSET	114	120	2	105.26
					2	105.26
	1100	E. B. NEW SHADE	138	138	19	100.00
					19	100.00
	1510	R.W. OFFSET MF STD	132	121	2	91.66
					2	91.66
	1803	PRIDE OPAQUE	136	120	4	88.23
					4	88.23
	2102	BRITISH OPAQUE	134	128	10	95.52
					10	95.52
	2221	EXTRA WH IMPERIAL BIBLE	132	131	7	99.24
					7	99.24
	2407	SHAKESPEARE THIN	138	120	2	90.90
					2	90.90
	3002	SUPERIOR OFFSET	134	129	3	93.28
					3	93.28
	3500	SCHOOL COTE	120	119	2	99.16
					2	99.16
	3501	SCHOOL COTE	120	126	3	105.00
					3	105.00
	3503	SCHOOL COTE	120	132	1	110.00
					1	110.00
	3830	WHITE BOOKLITE	134	132	12	98.50
			134	131	29	97.76
			134	127	10	94.77
			134	122	1	91.04
					52	97.22

SA 065139

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
	7100	K WHITE OFFSET	136	122	4	89.70
					4	89.70
	7102	K WHITE OFFSET	136	128	6	94.11
					6	94.11
				129		96.89

SA 865140

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

CH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
8	203	LAUREL TEXT - RS	104	116	2	111.53
			104	111	2	106.73
			104	108	1	103.84
			104	102	2	98.07
					7	105.21
	226	CAMELIA MATTE RS	104	106	2	101.92
					2	101.92
	272	TYPE IV BASE STOCK LIQ. TONER	124	116	3	93.54
			124	114	2	91.93
			124	112	1	90.32
					6	92.46
	276	TYPE IV BLADE BASE	124	119	9	95.96
			124	118	16	95.16
			124	109	5	87.90
					30	94.19
	1510	B.W. OFFSET MF STD	106	121	2	114.15
					2	114.15
	1533	B W 'J' OFFSET	106	116	1	109.43
			106	113	2	106.60
			106	107	2	100.94
			106	104	2	98.11
					7	102.96
	1549	B W J OFFSET	105	100	2	95.23
					2	95.23
	1559	BW JACKSON OFFSET	105	123	3	117.14
					3	117.14
	1578	B.W. J OFFSET	124	98	2	79.03
					2	79.03
	1700	B W 'J' OFFSET - OPACIFIED	102	107	8	104.90
					2	104.90
	1902	TENNYSON OFFSET	110	105	1	95.45
					1	95.45
	1904	TENNYSON OFFSET	110	114	1	103.63
					1	103.63
	2104	BRITISH OPAQUE	110	114	3	103.63
					3	103.63

SR 86141

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
	2300	MERRIAM DICTIONARY	112	111	16	99.10
					16	99.10
	2962	GPO LOT 21	142	113	4	79.57
					4	79.57
	2985	GPO LOT 78C	110	110	2	100.00
					2	100.00
	3001	SUPERIOR OFFSET	110	102	2	92.72
					2	92.72
	3002	SUPERIOR OFFSET	110	102	12	92.72
			110	100	9	90.90
					21	91.94
	3400	END LEAF OFFSET - HI OPAQUE	120	124	1	103.33
			120	122	1	101.66
			120	120	1	100.00
			120	119	1	99.16
			120	118	3	98.33
			120	117	2	97.50
			120	110	3	91.66
			120	109	2	90.83
			120	107	1	89.16
			120	106	1	88.33
			120	105	1	87.50
			120	101	1	84.16
					18	94.44
	3835	WHITE BOOK LITE	105	101	2	96.19
					2	96.19
	6100	WHITE CAP GUN STOCK	108	113	2	104.62
					2	104.62
	7100	K WHITE OFFSET	110	115	2	104.54
			110	105	2	95.45
					4	99.99
	7101	K WHITE OFFSET	110	112	4	101.81
			110	108	1	98.18
			110	105	1	95.45
					6	100.14
	7102	K WHITE OFFSET	110	121	2	110.00
			110	120	1	109.09
			110	113	3	102.72
			110	112	2	101.81

SA 065142

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MCH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
			110	110	2	100.00
			110	105	3	95.45
			110	101	4	91.81
			110	109	1	98.90
			110	98	3	89.09
					20	97.49
	7104	K WHITE OFFSET	110	107	2	97.27
			110	105	1	95.45
			110	99	1	90.00
					4	94.99
	7105	K WHITE OFFSET	110	98	1	89.09
					1	89.09
	7122	BW K OFFSET - ANTIQUE	110	117	2	106.36
					2	106.36
				110		96.76

SR 865143

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
9	202	LAUREL TEXT - RS	104	111	11	106.73
					11	106.73
	203	LAUREL TEXT - RS	104	111	1	106.73
			104	109	4	104.80
			104	105	4	100.96
			104	102	2	98.07
			104	101	1	97.11
			104	99	1	95.19
					13	101.40
	204	LAUREL TEXT R.S.	104	103	1	99.03
					1	99.03
IN	212	LAUREL TEXT R.S.	104	111	13	106.73
					13	106.73
	233	CAMELIA MATTE R.S.	104	100	11	96.15
					11	96.15
	246	RAM KOTE R.S.	104	106	18	101.92
					18	101.92
	253	HWT - NON BLEED R.S.	104	114	2	109.61
			104	112	3	107.69
					5	108.45
	1500	SPEC. JACKSON OFFSET	112	104	12	92.85
					12	92.85
	1503	J OFFSET	105	107	4	101.90
					4	101.90
	1805	ALLIED PRIDE	110	109	2	99.09
					2	99.09
	2503	SOLITUDE OPAQUE	110	114	1	103.63
					1	103.63
	2505	SOLITUDE OPAQUE	110	118	1	107.27
					1	107.27
	2513	IBM SUPERIOR OFFSET	110	105	17	95.45
			110	102	3	92.72
					20	95.04
	2514	INTERNATIONAL HARVESTER OPAQUE	105	104	3	99.04
					3	99.04

IN

065144 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MCH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
	2516	CELLUPAQUE	114	112	2	98.24
			114	105	2	92.10
					4	95.17
	7101	K WHITE OFFSET	110	105	4	95.45
					4	95.45
	7120	B W K OFFSET - ANTIQUE	142	92	1	64.78
					1	64.78
				106		99.75

SR 065145

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
10	2000	BRITE LITE THIN	105	102	3	97.14
			105	92	3	87.61
					6	92.37
	2004	BRITE LITE THIN	105	90	4	85.71
					4	85.71
	2005	BRITE LITE THIN	105	102	4	97.14
					4	97.14
	2008	BRITE LITE SUPREME	105	102	1	97.14
					1	97.14
	2011	ZONDERLITE 84	105	107	19	101.90
					19	101.90
	2202	IMPERIAL BIBLE	105	105	6	100.00
					6	100.00
	2210	IMPERIAL BIBLE EF NAT PUB	96	110	1	114.58
			96	106	6	110.41
			96	99	2	103.12
			96	96	6	100.00
					15	105.55
	2215	NELTEXT - T. NELSON	102	106	25	103.92
					25	103.92
	2221	EXTRA WM IMPERIAL BIBLE	102	90	1	88.23
					1	88.23
	2223	NATO TEXT BIBLE 80	106	105	16	99.05
			106	96	5	90.56
					21	97.02
	2403	SHAKESPEARE THIN	102	96	8	94.11
					8	94.11
				103		99.80

865146 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MCH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
1	2210	IMPERIAL BIBLE EF NAT PUB	96	96	5	100.00
					5	100.00
	6400	CIGARETTE TIPPING - CORK	100	100	6	100.00
			100	99	15	99.80
			100	98	4	98.00
					25	99.08
	6700	CRIMPING WRAP	100	100	43	100.00
					43	100.00
	6717	WHITE CRIMPING PAPER	100	100	21	100.00
					21	100.00
				99		99.75

SR 065147

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
15	526	ELECTROSTATIC -A B DICK	72	73	4	101.38
			72	70	10	97.22
			72	67	10	93.05
					24	96.17
	533	ELECTROSTATIC - AB DICK	72	73	1	101.38
			72	70	1	97.22
					2	99.30
				70		96.41

065145 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MCH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
17	802	LAUREL TEXT	102	115	2	112.74
			102	108	7	105.88
					9	107.40
	803	LAUREL TEXT	102	116	1	113.72
			102	114	1	111.76
			102	109	2	106.86
			102	108	2	105.88
			102	107	2	104.90
			102	106	4	103.92
			102	105	1	102.94
			102	102	3	100.00
			102	99	3	97.05
			102	97	3	95.09
					22	102.98
	804	LAUREL TEXT	102	100	1	98.03
					1	98.03
	809	LAUREL TEXT	102	122	2	119.60
					2	119.60
	812	LAUREL TEXT	102	108	9	105.88
					9	105.88
	826	CAMELIA MATTE	102	104	1	101.96
					1	101.96
	833	CAMELIA MATTE	102	97	9	95.09
					9	95.09
	846	RAM KOTF	102	104	14	101.96
					14	101.96
	853	H W MASTER - NON BLEED II	102	111	3	108.82
			102	110	2	107.84
					5	108.42
	872	DRY TONER TYPE IV	102	116	1	113.72
			102	115	2	112.74
			102	113	1	110.78
					4	112.49
	876	ELECTROSTATIC TYPE IV	102	117	12	114.70
			102	116	14	113.72
			102	115	17	112.74
			102	107	7	104.90
					50	112.38

SA 85149

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
				108		107.29

065150 SA

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**  SORT/MERGE 5746-SM2, REL 1, MOD 0, PTF 04,  DATE 07/02/80
B00I  OPTION ROUTE=LST                                                  0013
B00I  SORT FIELDS=(15,2,A,19,4,A),FORMAT=BI,WORK=1,FILES=2            SSLIR014
B00I  RECORD TYPE=F,LENGTH=(80,,80)                                     0015
B00I  INPFIL BLKSIZE=4080                                               0016
B00I  OUTFIL BLKSIZE=4080                                               0017
B00I  END                                                               0018

J03I SORT  COMPLETE, IN 2510, OUT 2510.
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SA 65151

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[illegible]	[illegible]			4
[illegible]	[illegible]			5
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[illegible]	16			7
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[illegible]	18			40
[illegible]	17			

MADE IN U.S.A.

SA 065152

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	5787	0				
	120000	06				
	750580	08				
	58600	16				
	100000	16				
	15560	16				
	22200	16				
	22800	16				
	52720	16				
	15520	–				
	55000	03				
	226640	18				
	20440	16				
	25340	16				
	259160	16				
20	221520	16				
10	274220	16				
0	475210	16				
0	127260	16				
0	50320	16				
0	108840	16				
0	62040	16				
0	177260	16				
0	162540	16				
20	17580	19				
20	48320	19				
90			161665		161665	16
			48380		48380	15
	14048170 ✓	15 38	456460		456460	16
			56920		56620	16
	10166560 × 16		72040		72040	16
			1012913	32520	32520	15
	2160???			54140	54140	16
				288890	288890	16
				184030	184030	07
				79060	79060	15
				131200	131200	15
				58795	58795	15
				53680	53680	15
				882375		

1 [illegible] 577 / 14 6 t

MADE IN U.S.A.

1	0205	[illegible]270	
2	0270	5780	
3	0271	120020	
4	0276	750520	
5	1202	28660	
6	1547	107000	
7	1550	19360	
8	1702	22660	
9	1820	22800	
10	1902	52790	
11	3021	10590	
12	3400	551600	
13	7000	226940	
14	7101	20490	
15	7104	2540	
16	7125	250160	
17	0202	2[illegible]7000	221520
18	0203		274230
19	0212		475310
20	0221		127260
21	0246		50330
22	1000		199140
23	1701		61940
24	2102		177260
25	2985		162540
26	3500		17580
27	3502		48320
28	2008		26-5250
29	2210		
30	2223		
31	2411		
32	2412		
33	2210		
34	2401		
35	2412		
36	6400		
37	6700		
38	6717		
39	6720		
40	6723		

April 1980

	05	06	07	08	09
1203	298310				
1401	62290				
1805	61140				
2102	49560				
2201	303270				
2215	78330				
2234	81970				
2406	54900				
2407	16600		285760		
2504	188960				
2514	105630				
2516	42500				
3038	492690				
0142	1836150#	602810		21440	
1503		555140			
1504		251340			
1533		131090		207530	
1550		43400			
2513		439390		140510	617720
2902		93550			
2960		88160			
2961		168240	226930	201840	
2962		124950			
3001		49300			104010
3002		20700	89880	292780	
5200		1232800			
7102		61920		91010	
7120		21030			
7124		62240			
1100		2946180	253040		
1510			364780		
1800			268640		
1810			57700		
2000			202080		
2204			46030		
2222			40410		41830
2231			469860		
2241			17640		
2503			40320		
3501			154010		73700
3830			162270		
			85550		

C WILSON JONES COMPANY G7214 GREEN 7214 BUFF PAT APPL FOR

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   ***  SORT/MERGE 5746-SM2, REL 1, MOD 0, PTF 04,  DATE 05/01/80
   7800I  OPTION ROUTE=LST                                                    0010
   7800I  SORT FIELDS=(15,2,ZD,A,19,4,ZD,A,50,3,PD,A),WORK=1,FILES=1          $SLIR011
   7800I  RECORD TYPE=F,LENGTH=(80,,80)                                       0012
   7800I  INPFIL BLKSIZE=4080                                                 0013
   7800I  OUTFIL BLKSIZE=4080                                                 0014
   7800I  END                                                                 0015

   7J03I SORT  COMPLETE, IN 825, OUT 825.
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SA 865156

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

GRADE	GRADE NAME	STANDARD SPEED	AGTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
1203	A.M. PRIDE	600		1	
		600	600	8	100.00
		600	640	4	106.66
				13	94.35
1401	BRITISH OPAQUE - SERVICE OFFSE	600	640	5	106.66
				5	106.66
1805	ALLIED PRIDE	600	570	3	95.00
				3	95.00
2102	BRITISH OPAQUE	600	600	2	100.00
		600	605	1	100.83
				3	100.27
2201	IMPERIAL BIBLE	600	600	15	100.00
				15	100.00
2215	NELTEXT - T. NELSON	600	630	6	105.00
				6	105.00
2234	BW IMPERIAL BIBLE PLUS	600	630	6	105.00
				6	105.00
2406	SHAKESPEARE THIN	600	600	3	100.00
				3	100.00
2407	SHAKESPEARE THIN	600	570	1	95.00
				1	95.00
2504	SOLITUDE OPAQUE	600	570	9	95.00
		570	600	1	105.26
				10	96.02
2514	INTERNATIONAL HARVESTER OPAQUE	600	570	3	95.00
		570	600	3	105.26
		600	620	2	103.33
				8	100.93
2516	CELLUPAQUE	600	570	3	95.00
		600	600	1	100.00
				4	96.25
3038	HOME DICTIONARY PAPER	610		2	
		610	550	6	90.16
		610	570	7	93.44
		610	580	7	95.08
				22	84.57

85157 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04.1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
						96.10

SA 85158

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04.1980

GRADE	GRADE NAME	STANDARD SPEED	AGTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
142	ELECTRO - IIA A B DICK RS	480	500	15	104.16
		480	510	5	106.25
				20	104.68
1503	J OFFSET	740	740	6	100.00
		740	750	9	101.35
				15	100.81
1504	BW J OFFSET	740	740	6	100.00
				6	100.00
1533	B W 'J' OFFSET	700	720	1	102.85
		700	740	2	105.71
				3	104.75
1559	BW JACKSON OFFSET	620	620	1	100.00
				1	100.00
2513	IBM SUPERIOR OFFSET	740	740	13	100.00
				13	100.00
2902	DICKENS OFFSET	680	680	3	100.00
				3	100.00
2960	GPO LOT 16 OFFSET	740	740	3	100.00
				3	100.00
2961	BW G OFFSET	700	750	3	107.14
				3	107.14
2962	GPO LOT 21	620	640	3	103.22
				3	103.22
3001	SUPERIOR OFFSET	720	720	2	100.00
				2	100.00
3002	SUPERIOR OFFSET	680	720	1	105.88
				1	105.88
5200	TABLET INTERCO	750	620	1	82.66
		750	750	32	100.00
		750	780	1	104.00
				34	99.60
7102	K WHITE OFFSET	700	740	3	105.71
				3	105.71
7120	B W K OFFSET - ANTIQUE	700	720	1	102.85
				1	102.85

865159 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
	7124	BW K OFFSET - ANTIQUE	560	620	2	110.71
					2	110.71
						101.63

SA 065168

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
1100	E. B. NEW SHADE	750	750	8	100.00
				8	100.00
1510	B.W. OFFSET MF STD	680	600	2	88.23
		680	630	10	92.64
				12	91.90
1800	PRIDE OPAQUE	750	750	10	100.00
				10	100.00
1810	BW PRIDE OPAQUE	680	680	2	100.00
				2	100.00
2009	ROYAL LITE	670	670	13	100.00
				13	100.00
2204	IMPERIAL BIBLE	740	740	3	100.00
				3	100.00
2228	CW IMPERIAL BIBLE	750	750	3	100.00
				3	100.00
2231	ALLIED SPECIAL BIBLE	725	740	13	102.06
				13	102.06
2241	LAWYERS OFFSET	740	740	1	100.00
				1	100.00
2300	MERRIAM DICTIONARY	750	750	9	100.00
				9	100.00
2503	SOLITUDE OPAQUE	750	750	2	100.00
				2	100.00
2961	BW G OFFSET	580	580	8	100.00
				8	100.00
3002	SUPERIOR OFFSET	580	580	4	100.00
				4	100.00
3501	SCHOOL COTE	500	525	5	105.00
				5	105.00
3830	WHITE BOOKLITE	750	750	6	100.00
		750	760	1	101.33
				7	100.19
					99.55

865161 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
8	142	ELECTRO - IIA A B DICK RS	480	480	2	100.00
					2	100.00
	209	LAUREL TEXT R.S.	450	320	3	71.11
			300	340	3	113.33
			450	350	2	77.77
					8	88.60
	270	TYPE IV BLADE BASE	480	500	1	104.16
					1	104.16
	271	TYPE IV BASE STOCK DRY TON	450	430	3	95.55
			450	450	4	100.00
					7	98.09
	276	TYPE IV BLADE BASE	500	470	21	94.00
			500	500	13	100.00
			500	740	1	148.00
					35	97.77
	1202	SPECIAL AM PRIDE	700	730	2	104.28
					2	104.28
	1533	B W "J" OFFSET	660	700	1	106.06
			660	710	1	107.57
			730	720	2	98.63
			730	740	3	101.36
					7	102.13
	1547	B.W. J OFFSET M F	660	710	2	107.57
			660	720	1	109.09
					3	108.07
	1559	BW JACKSON OFFSET	590	610	1	103.38
					1	103.38
	1702	J OPACIFIED OFFSET	730	720	2	98.63
					2	98.63
	1820	BW PRIDE OPAQUE	680	720	1	105.88
					1	105.88
	1902	TENNYSON OFFSET	680	720	2	105.88
					2	105.88
	2513	IBM SUPERIOR OFFSET	700	720	3	102.85
			700	750	2	107.14
					5	104.56

SD 065162

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
2961	BW G OFFSET	730	720	5	98.63
		730	730	1	100.00
				6	98.85
3002	SUPERIOR OFFSET	730	700	1	95.89
		730	720	8	98.63
				9	98.32
3021	BW SUPERIOR OFFSET - ANTIQUE	680	720	1	105.88
				1	105.88
3400	END LEAF OFFSET - HI OPAQUE	400	400	2	100.00
				2	100.00
7000	CALENDAR PAD OFFSET	700	720	5	102.85
		700	760	2	108.57
		700	780	1	111.42
				8	105.35
7101	K WHITE OFFSET	730	720	1	98.63
				1	98.63
7102	K WHITE OFFSET	650	700	1	107.69
		650	720	2	110.76
		650	730	1	112.30
				4	110.37
7104	K WHITE OFFSET	550	600	1	109.09
		550	620	1	112.72
				2	110.90
7135	WHITE SPECIAL OFFSET	730	730	7	100.00
		730	740	1	101.36
		730	780	1	106.84
				9	100.91
					100.06

865163
SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
9	202	LAUREL TEXT - RS	720	720	8	100.00
			720	760	2	105.55
					10	101.11
	203	LAUREL TEXT - RS	700	700	1	100.00
			700	720	2	102.85
			700	740	5	105.71
			700	760	3	108.57
					11	105.45
	212	LAUREL TEXT R.S.	720	720	5	100.00
			720	730	13	101.38
			720	760	1	105.55
					19	101.23
	221	CAMELIA MATTE RS	720	670	1	93.05
			720	720	5	100.00
					6	98.84
	246	RAM KOTE R.S.	700	700	1	100.00
			700	720	1	102.85
			700	760	2	108.57
					4	104.99
	1000	Q.P. OFFSET	670	670	6	100.00
			670	750	2	111.94
					8	102.98
	1701	B W 'J' OPAQUE	670	720	2	107.46
					2	107.46
	2102	BRITISH OPAQUE	700	720	5	102.85
			700	760	4	108.57
					9	105.39
	2228	Cw IMPERIAL BIBLE	700	720	2	102.85
					2	102.85
	2513	IBM SUPERIOR OFFSET	680	700	14	102.94
			680	760	7	111.76
					21	105.88
	2985	GPO LOT 78C	700	630	2	90.00
			700	680	2	97.14
			700	730	1	104.28
					5	95.71
	3001	SUPERIOR OFFSET	680	670	4	98.52
					4	98.52

SA 865164

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
3500	SCHOOL COTE	730	700	2	95.89
				2	95.89
3501	SCHOOL COTE	725	660	3	91.03
				3	91.03
3502	SCHOOL COTE	685	630	2	91.97
				2	91.97
					102.27

865165 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
10	2008	BRITE LITE SUPREME	650	700	13	107.69
					13	107.69
	2009	ROYAL LITE	620	700	15	112.90
					15	112.90
	2210	IMPERIAL BIBLE EF NAT PUB	620	615	4	99.19
			620	700	1	112.90
					5	101.93
	2223	NATO TEXT BIBLE 80	620	700	30	112.90
			620	745	1	120.16
					31	113.13
	2411	NATO TEXT BIBLE	620	700	5	112.90
					5	112.90
	2412	NATO TEXT BIBLE	620	700	8	112.90
					8	112.90
						111.40

SA 065166

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

GRADE	GRADE NAME	STANDARD SPEED	AGTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
2210	IMPERIAL BIBLE EF NAT PUB	600	630	4	105.00
				4	105.00
2401	SHAKESPEARE THIN	630	650	1	103.17
		630	700	2	111.11
		630	725	1	115.07
				4	110.11
2413	NATO TEXT BIBLE	600	650	2	108.33
		600	700	19	116.66
				21	115.86
6400	CIGARETTE TIPPING - CORK	570		2	
		570	600	12	105.26
		570	620	1	108.77
				15	91.45
6700	CRIMPING WRAP	750	700	2	93.33
		750	740	5	98.66
				7	97.13
6717	WHITE CRIMPING PAPER	700	630	1	90.00
		700	720	1	102.85
		750	740	4	98.66
		700	750	4	107.14
				10	101.60
6720	PLUG WRAP	600	650	5	108.33
				5	108.33
6723	COMBINER WRAP (ATC)	600	630	3	105.00
		600	740	2	123.33
				5	112.33
					105.13

865167 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
15	526	ELECTROSTATIC -A B DICK	510		26	
					26	
	533	ELECTROSTATIC - AB DICK	510		2	
					2	
	560	MASTER BASE PAPER II C	460		3	
					3	

SA 865168

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
802	LAUREL TEXT	1300		6 6	
803	LAUREL TEXT	1250		7 7	
809	LAUREL TEXT	1000		1 1	
812	LAUREL TEXT	1300		14 14	
814	LAUREL TEXT	1100		4 4	
846	RAM KOTE	1300		5 5	
870	ELECTROSTATIC TYPE IV	450		3 3	
871	DRY TONER BASE TYPE IV;	1100		16 16	
876	ELECTROSTATIC TYPE IV	450		52 52	

691569 SA

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***  SORT/MERGE 5746-SM2, REL 1, MOD 0, PTF 04,  DATE 05/01/80
7800I  OPTION ROUTE=LST                                                    0010
7800I  SORT FIELDS=(15,2,ZD,A,19,4,ZD,A,48,2,PD,D),WORK=1,FILES=1          $SLIR011
7800I  RECORD TYPE=F,LENGTH=(80,,80)                                       0012
7800I  INPFIL BLKSIZE=4080                                                 0013
7800I  OUTFIL BLKSIZE=4080                                                 0014
7800I  END                                                                 0015

7J03I SORT  COMPLETE, IN 825, OUT 825.
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SA 065170

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

GRADE	GRADE NAME	STANDARD TRIM	AGTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
1203	A.M. PRIDE	120	116	13	96.66
				13	96.66
1401	BRITISH OPAQUE - SERVICE OFFSE	116	114	5	98.27
				5	98.27
1805	ALLIED PRIDE	105	100	3	95.23
				3	95.23
2102	BRITISH OPAQUE	107	105	3	98.13
				3	98.13
2201	IMPERIAL BIBLE	110	108	15	98.18
				15	98.18
2215	NELTEXT - T. NELSON	102	111	6	108.82
				6	108.82
2234	BW IMPERIAL BIBLE PLUS	105	111	6	105.71
				6	105.71
2406	SHAKESPEARE THIN	110	102	3	92.72
				3	92.72
2407	SHAKESPEARE THIN	110	105	1	95.45
				1	95.45
2504	SOLITUDE OPAQUE	110	107	1	97.27
		110	96	9	87.27
				10	88.27
2514	INTERNATIONAL HARVESTER OPAQUE	105	105	8	100.00
				8	100.00
2516	CELLUPAQUE	121	105	2	86.77
		121	102	2	84.29
				4	85.53
3038	HOME DICTIONARY PAPER	105	112	22	106.66
				22	106.66
			109		99.32

SA 065171

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
6	142	ELECTRO - IIA A B DICK RS	144	139	9	96.52
			144	136	6	94.44
			144	133	5	92.36
					20	94.85
	1503	J OFFSET	142	147	9	103.52
			142	142	4	100.00
			142	140	2	98.59
					15	101.92
	1504	BW J OFFSET	142	144	6	101.40
					6	101.40
	1533	B W 'J' OFFSET	142	145	3	102.11
					3	102.11
	1559	BW JACKSON OFFSET	142	142	1	100.00
					1	100.00
	2513	IHM SUPERIOR OFFSET	140	140	13	100.00
					13	100.00
	2902	DICKENS OFFSET	140	140	3	100.00
					3	100.00
	2960	GPO LOT 16 OFFSET	142	132	3	92.95
					3	92.95
	2961	BW G OFFSET	142	140	3	98.59
					3	98.59
	2962	GPO LOT 21	142	145	2	102.11
			142	132	1	92.95
					3	99.05
	3001	SUPERIOR OFFSET	142	142	2	100.00
					2	100.00
	3002	SUPERIOR OFFSET	142	147	1	103.52
					1	103.52
	5200	TABLET INTERCO	142	145	12	102.11
			142	144	7	101.40
			142	142	3	100.00
			142	141	3	99.29
			142	133	1	93.66
			142	131	2	92.25
			142	127	6	89.43
					34	98.46

SD 065172

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
7102	K WHITE OFFSET	142	140	2	98.59
		142	139	1	97.88
				3	98.35
7120	B W K OFFSET - ANTIQUE	142	137	1	96.47
				1	96.47
7124	BW K OFFSET - ANTIQUE	142	136	2	95.77
				2	95.77
			141		98.64

865173 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
7	1100	E. B. NEW SHADE	138	138	8	100.00
					8	100.00
	1510	B.W. OFFSET MF STD	132	128	1	96.96
			132	122	11	92.42
					12	92.79
	1800	PRIDE OPAQUE	136	128	10	94.11
					10	94.11
	1810	BW PRIDE OPAQUE	136	121	2	88.97
					2	88.97
	2009	ROYAL LITE	132	119	13	90.15
					13	90.15
	2204	IMPERIAL BIBLE	134	135	3	100.74
					3	100.74
	2228	CW IMPERIAL BIBLE	112	112	3	100.00
					3	100.00
	2231	ALLIED SPECIAL BIBLE	136	124	13	91.17
					13	91.17
	2241	LAWYERS OFFSET	134	135	1	100.74
					1	100.74
	2300	MERRIAM DICTIONARY	136	130	9	95.58
					9	95.58
	2503	SOLITUDE OPAQUE	134	126	2	94.02
					2	94.02
	2961	BW G OFFSET	136	121	8	88.97
					8	88.97
	3002	SUPERIOR OFFSET	134	118	4	88.05
					4	88.05
	3501	SCHOOL COTE	120	127	5	105.83
					5	105.83
	3830	WHITE BOOKLITE	134	132	3	98.50
			134	125	4	93.28
					7	95.51
				126		94.02

SD 065174

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
142	FLECTRO - IIA A B DICK RS	120	119	2	99.16
				2	99.16
209	LAUREL TEXT R.S.	104	106	8	101.92
				8	101.92
270	TYPE IV BLADE BASE	120	106	1	88.33
				1	88.33
271	TYPE IV BASE STOCK DRY TON	124	120	2	96.77
		124	119	3	95.96
		124	113	1	91.12
		124	106	1	85.48
				7	94.00
276	TYPE IV BLADE BASE	124	120	6	96.77
		124	119	13	95.96
		124	118	15	95.16
		124	106	1	85.48
				35	95.45
1202	SPECIAL AM PRIDE	116	118	2	101.72
				2	101.72
1533	B W "J" OFFSET	106	105	7	99.05
				7	99.05
1547	B.W. J OFFSET M F	106	113	3	106.60
				3	106.60
1559	BW JACKSON OFFSET	105	121	1	115.23
				1	115.23
1702	J OPACIFIED OFFSET	105	122	2	116.19
				2	116.19
1820	BW PRIDE OPAQUE	110	116	1	105.45
				1	105.45
1902	TENNYSON OFFSET	110	105	2	95.45
				2	95.45
2513	IBM SUPERIOR OFFSET	110	105	5	95.45
				5	95.45
2961	BW G OFFSET	110	121	6	110.00
				6	110.00
3002	SUPERIOR OFFSET	110	118	9	107.27

065175 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04.1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
					9	107.27
	3021	BW SUPERIOR OFFSET - ANTIQUE	110	105	1	95.45
					1	95.45
	3400	END LEAF OFFSET - HI OPAQUE	120	118	1	98.33
			120	117	1	97.50
					2	97.91
	7000	CALENDAR PAD OFFSET	110	114	8	103.63
					8	103.63
	7101	K WHITE OFFSET	110	105	1	95.45
					1	95.45
	7102	K WHITE OFFSET	110	120	2	109.09
			110	116	2	105.45
					4	107.27
	7104	K WHITE OFFSET	110	107	1	97.27
			110	100	1	90.90
					2	94.08
	7135	WHITE SPECIAL OFFSET	110	112	9	101.81
					9	101.81
				114		100.11

SA 065176

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
202	LAUREL TEXT - RS	104	111	10	106.73
				10	106.73
203	LAUREL TEXT - RS	104	120	9	115.38
		104	108	2	103.84
				11	113.28
212	LAUREL TEXT R.S.	104	104	19	100.00
				19	100.00
221	CAMELIA MATTE RS	104	111	3	106.73
		104	102	3	98.07
				6	102.40
246	RAM KOTE R.S.	104	106	4	101.92
				4	101.92
1000	O.P. OFFSET	114	114	8	100.00
				8	100.00
1701	B W 'J' OPAQUE	110	107	2	97.27
				2	97.27
2102	BRITISH OPAQUE	110	113	9	102.72
				9	102.72
2228	CW IMPERIAL BIBLE	112	112	2	100.00
				2	100.00
2513	IBM SUPERIOR OFFSET	110	105	21	95.45
				21	95.45
2985	GPO LOT 78C	110	119	5	108.18
				5	108.18
3001	SUPERIOR OFFSET	110	114	4	103.63
				4	103.63
3500	SCHOOL COTE	105	114	1	108.57
		105	111	1	105.71
				2	107.14
3501	SCHOOL COTE	105	115	3	109.52
				3	109.52
3502	SCHOOL COTE	105	105	2	100.00
				2	100.00
			110		102.38

865177 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
10	2008	BRITE LITE SUPREME	105	104	1	99.04
			105	101	12	96.19
					13	96.40
	2009	ROYAL LITE	106	107	15	100.94
					15	100.94
	2210	IMPERIAL BIBLE EF NAT PUB	96	106	3	110.41
			96	96	2	100.00
					5	106.24
	2223	NATO TEXT BIBLE 80	106	105	5	99.05
			106	96	26	90.56
					31	91.92
	2411	NATO TEXT BIBLE	105	105	5	100.00
					5	100.00
	2412	NATO TEXT BIBLE	105	108	3	102.85
			105	105	5	100.00
					8	101.06
				101		96.84

SA 065178

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
2210	IMPERIAL BIBLE EF NAT PUB	96	99	3	103.12
		96	96	1	100.00
				4	102.34
2401	SHAKESPEARE THIN	101	100	4	99.00
				4	99.00
2413	NATO TEXT BIBLE	100	96	21	96.00
				21	96.00
6400	CIGARETTE TIPPING - CORK	100	100	15	100.00
				15	100.00
6700	CRIMPING WRAP	100	100	7	100.00
				7	100.00
6717	WHITE CRIMPING PAPER	100	100	10	100.00
				10	100.00
6720	PLUG WRAP	100	100	5	100.00
				5	100.00
6723	COMBINER WRAP (ATC)	100	100	5	100.00
				5	100.00
			99		98.89

065179 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
15	526	ELECTROSTATIC -A B DICK	72	70	18	97.22
			72	67	6	93.05
			72	63	1	87.50
			72	57	1	79.16
					26	95.18
	533	ELECTROSTATIC - AB DICK	72	70	2	97.22
					2	97.22
	560	MASTER BASE PAPER II C	72	73	3	101.38
					3	101.38
				69		95.91

SH 065180

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1980

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
802	LAUREL TEXT	102	108	6	105.88
				6	105.88
803	LAUREL TEXT	102	118	5	115.68
		102	105	2	102.94
				7	112.04
809	LAUREL TEXT	102	104	1	101.96
				1	101.96
812	LAUREL TEXT	102	101	14	99.01
				14	99.01
814	LAUREL TEXT	102	104	4	101.96
				4	101.96
846	RAM KOTE	102	104	5	101.96
				5	101.96
870	ELECTROSTATIC TYPE IV	102	103	3	100.98
				3	100.98
871	DRY TONER BASE TYPE IV&	102	117	3	114.70
		102	116	5	113.72
		102	115	1	112.74
		102	110	5	107.84
		102	103	2	100.98
				16	110.41
876	ELECTROSTATIC TYPE IV	102	118	1	115.68
		102	117	18	114.70
		102	116	18	113.72
		102	115	13	112.74
		102	103	2	100.98
				52	113.36
			109		109.16

865181 SA

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***  SORT/MERGE 5746-SM2, REL 1, MOD 0, PTF 04,  DATE 05/01/80
7800I  OPTION ROUTE=LST                                                    0013
7800I  SORT FIELDS=(15,2,A,19,4,A),FORMAT=81,WORK=1,FILES=2              $SLIR014
7800I  RECORD TYPE=F,LENGTH=(80,,80)                                       0015
7800I  INPFIL BLKSIZE=4080                                                 0016
7800I  OUTFIL BLKSIZE=4080                                                 0017
7800I  END                                                                 0018

7J03I SORT  COMPLETE, IN 1903, OUT 1903.
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SA 065182

PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
30.00	1800	PRIDE OPAQUE	40.6	37.8	101.57	108874	108800		108800	99.93
35.00	1805	ALLIED PRIDE	7.7	7.7	109.09	25754	27200		27200	105.61
20.00	2000	BRITE LITE THIN	11.4	9.5	90.91	17765	14400		14400	81.05
24.00	2002	BRITE LITE THIN	19.3	19.0	107.40	42636	46910	2290	44620	104.65
21.00	2009	ROYAL LITE	19.8	14.4	79.34	28706	27400		27400	95.45
33.00	2110	BW BRITISH OPAQUE	23.7	21.5	98.96	69831	69960		69960	100.18
22.00	2233	IMPERIAL BIBLE EXTRA	79.5	74.1	101.68	157116	158440		158440	100.84
38.00	2240	LAWYERS WHITE OFFSET	73.6	70.8	104.94	212196	229530		229530	108.16
30.00	2300	MERRIAM DICTIONARY	137.3	130.9	104.01	369054	408070		408070	110.57
35.00	2305	MERRIAM DICTIONARY	114.8	113.6	107.95	349702	378980		378980	108.37
33.00	2406	SHAKESPEARE THIN	3.0	2.7	98.18	8844	8910		8910	100.74
30.00	2503	SOLITUDE OPAQUE	11.9	10.2	93.51	30052	36080		36080	120.05
40.00	2513	R.C. VELLUM OPAQUE	74.5	72.4	106.02	228028	251590	8420	243170	106.64
35.00	2514	INTERNATIONAL HARVES	46.6	44.4	103.94	137825	136250	22360	113890	82.63
28.00	2528	A H DICTIONARY	143.8	135.4	102.72	386638	401380	3220	398160	102.98
40.00	3000	SUPERIOR OFFSET	17.5	15.3	95.38	46118	49920		49920	108.24
31.37		MACH TOTAL 1.09091	825.0	779.7	103.10	2219139	2353820	36290	2317530	104.43
62.00	120	ELECTROSTATIC II C R	756.3					1740	1740	
55.00	142	ELECTRO - IIA A B DI	89.2	86.5	105.79	433651	494810	10080	484730	111.77
38.00	1500	SPEC. JACKSON OFFSET	73.8	73.4	108.50	401287	445800		445800	111.09
40.00	1503	J OFFSET	33.6	33.3	108.12	197108	217260	1310	215950	109.55
50.00	1533	B W 'J' OFFSET	54.8	52.7	104.91	359877	373030	14830	358200	99.53
32.00	2254	EX. WHITE IMPERIAL B	17.7	13.7	84.44	66216	65140	1820	63320	95.62
40.00	2505	SOLITUDE OPAQUE	5.5	4.5	89.26	25188	24390	2400	21990	87.30
40.00	2513	R.C. VELLUM OPAQUE	8.1	7.1	95.62	41549	44030		44030	105.97
50.00	3002	SUPERIOR OFFSET	32.6	31.1	104.07	219215	237410	1960	235450	107.40
38.00	3038	HOME DICTIONARY PAPE	165.8	159.2	104.75	868505	937180	10520	926660	106.69
30.00	3830	WHITE HOOKLITE	93.8	90.8	105.60	402563	411340		411340	102.18
38.00	5200	TABLET INTERCO	78.5	73.2	101.73	405854	421620		421620	103.88
40.00	7100	K WHITE OFFSET						11000	11000	
45.00	7101	K WHITE OFFSET	15.5	14.2	99.94	90651	98400		98400	108.54
50.00	7102	K WHITE OFFSET	129.1	125.6	106.13	828971	948820	2810	946010	114.11
50.00	7122	BW K OFFSET - ANTIQU	3.5	2.7	84.16	16985	17000		17000	100.08
60.00	7124	BW K OFFSET - ANTIQU	2.0	1.7	92.73	11522	15040		15040	130.53
43.31		MACH TOTAL 1.09091	803.5	769.7	104.50	4369142	4751270	58470	4692800	107.40
33.00	202	LAUREL TEXT - RS	736.8 68.6	59.4	94.46	260453	272620		272620	104.67
30.00	1100	E. B. NEW SHADE	347.1	322.7	101.42	1415173	1503820	37350	1466470	103.62
45.00	1207	A.M. PRIDE	30.8	30.0	106.26	158700	145100		145100	91.43
45.00	1510	B.W. OFFSET MF STD	10.2	8.9	95.19	49211	51070		51070	103.77
30.00	1800	PRIDE OPAQUE	16.8	14.5	94.16	58511	56080	1850	54230	92.68
21.00	2009	ROYAL LITE						10960	10960	
35.00	2204	IMPERIAL BIBLE	16.3	16.3	109.09	77025	89100		89100	115.67
30.00	2405	SHAKESPEARE THIN								
30.00	2503	SOLITUDE OPAQUE	19.5	18.2	101.82	75788	71420		71420	94.23
40.00	2513	R.C. VELLUM OPAQUE	9.6	9.1	103.41	44028	46160		46160	104.84
35.00	2521	AMERICAN HERITAGE DI	5.8	5.8	109.09	26162	28160		28160	107.63

MM

**********	START	A4PS60	00784	LAST	02	APR	80	08.05.23
**********	START	A4PS60	00784	LAST	02	APR	80	08.05.23
**********	START	A4PS60	00784	LAST	02	APR	80	08.05.23
**********	START	A4PS60	00784	LAST	02	APR	80	08.05.23
**********	START	A4PS60	00784	LAST	02	APR	80	08.05.23
**********	START	A4PS60	00784	LAST	02	APR	80	08.05.23
**********	START	A4PS60	00784	LAST	02	APR	80	08.05.23
**********	START	A4PS60	00784	LAST	02	APR	80	08.05.23

MM

SA 065184

PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
50.00	2961	BW G OFFSET	30.4	28.9	103.71	158822	168430	35240	133190	83.86
40.00	3000	SUPERIOR OFFSET						2060	2060	
45.00	3001	SUPERIOR OFFSET	20.9	20.2	105.44	106112	109840		109840	103.51
50.00	3002	SUPERIOR OFFSET	13.8	13.0	102.77	68766	75390		75390	109.63
45.00	3501	SCHOOL COTE	80.0	71.9	98.05	433268	327580	44810	282770	65.26
30.00	3830	WHITE BOOKLITE	121.4	114.3	102.71	472215	524310	20890	503420	106.60
45.00	7101	K WHITE OFFSET	16.8	15.6	101.30	82504	98480		98480	119.36
34.97		MACH TOTAL 1.09091	808.0	748.8	101.10	3486738	3567560	153160	3414400	97.92
38.00	203	LAUREL TEXT - RS	25.3	23.7	102.19	106933	110890		110890	103.70
58.00	206	LAUREL TEXT R.S.	3.7	2.2	64.86	10494	12040		12040	114.73
64.00	273	TYPE IV BLADE BASE	16.0	15.5	105.68	59906	86720		86720	144.76
60.00	276	TYPE IV BLADE BASE	157.1	145.1	100.76	686444	699350		699350	101.88
33.00	1202	SPECIAL AM PRIDE	53.4	47.8	97.65	183873	189380		189380	102.99
40.00	1503	J OFFSET	38.0	31.6	90.72	135020	157830	2800	155030	114.82
50.00	1533	B W 'J' OFFSET	71.1	60.1	92.21	309303	354620	7560	347060	112.20
60.00	1559	BW JACKSON OFFSET	8.3	8.0	105.15	43483	49080		49080	112.87
50.00	1702	J OPACIFIED OFFSET	7.3	7.3	109.09	37492	41620		41620	111.01
30.00	1800	PRIDE OPAQUE						17110	17110	
32.00	1802	ALLIED PRIDE	9.0	7.5	90.91	24647	26670		26670	108.20
35.00	2204	IMPERIAL BIBLE								
40.00	2513	R.C. VELLUM OPAQUE	96.9	94.0	105.83	388876	436620	24960	411660	105.85
50.00	2902	DICKENS OFFSET	7.6	6.8	97.61	34880	40580		40580	116.34
40.00	3000	SUPERIOR OFFSET	5.3	4.3	88.51	18805	21320		21320	113.37
45.00	3001	SUPERIOR OFFSET	21.2	18.3	94.17	93879	107380	2270	105110	111.96
47.00	3011	SUPERIOR OFFSET	48.7	47.0	105.28	229735	258070	1680	256390	111.60
80.00	3400	END LEAF OFFSET - HI	11.6	11.2	105.33	59775	61850		61850	103.47
90.00	3409	END LEAF	3.1	2.3	80.94	11233	10320		10320	91.87
60.00	6100	WHITE CAP GUN STOCK	9.5	7.6	87.27	40019	47140		47140	117.79
40.00	7000	CALENDAR PAD OFFSET	9.0	8.8	106.67	39525	47490		47490	120.15
40.00	7100	K WHITE OFFSET	9.1	7.6	91.11	31566	25320		25320	80.21
45.00	7101	K WHITE OFFSET	5.3	5.1	104.97	26279	23610		23610	89.84
50.00	7102	K WHITE OFFSET	79.0	64.3	88.79	318094	351760		351760	110.58
55.00	7103	K WHITE OFFSET	1.7	1.6	102.67	8425	11500		11500	136.49
60.00	7104	K WHITE OFFSET	27.0	25.9	104.65	131734	155910	1010	154900	117.58
40.00	7120	B W K OFFSET - ANTIQ	5.5	4.3	85.29	15585	14060		14060	90.21
50.00	7122	BW K OFFSET - ANTIQU	47.2	46.6	107.70	216465	269950		269950	124.70
55.00	7123	BW K OFFSET - ANTIQU	3.7	2.8	82.56	14616	19640		19640	134.37
49.93		MACH TOTAL 1.09091	780.6	707.3	98.85	3277086	3630720	57390	3573330	109.03
30.00	201	LAUREL TEXT R.S.	147.6	133.6	98.74	423128	470790		470790	111.26
38.00	203	LAUREL TEXT - RS	22.0	19.4	96.20	78815	92840		92840	117.79
30.00	221	CAMELIA MATTE RS	104.8	95.5	99.41	313267	353680		353680	112.90
29.00	246	RAM KOTE R.S.	92.7	87.1	102.50	264047	296080		296080	112.13
38.00	1500	SPEC. JACKSON OFFSET	4.8	4.5	102.27	16707	17110	1150	15960	95.52
40.00	1503	J OFFSET	80.0	71.0	96.82	293417	332410		332410	113.28
45.00	1510	B.W. OFFSET MF STD	16.7	15.4	100.60	71184	77090		77090	108.29
50.00	1533	B W 'J' OFFSET	8.7	7.5	94.04	32581	44110		44110	135.38

SP 065185

PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
9	30.00	2228	CW IMPERIAL BIBLE	30.9	27.2	96.03	90170	94030		94030	104.28
9	30.00	2239	OFF WHITE LAWYERS OF	17.1	16.5	105.26	53723	62900		62900	117.08
9	40.00	2513	R.C. VELLUM OPAQUE	42.0	39.7	103.12	160624	191290	1340	189950	118.25
WW 9	50.00	2902	DICKENS OFFSET	16.8	16.2	105.19	79833	94030		94030	117.78
9	40.00	3000	SUPERIOR OFFSET								
9	45.00	3501	SCHOOL COTE	56.5	49.4	95.38	261326	224230	16540	207690	79.47
9	38.00	5200	TABLET INTERCO	117.5	114.9	106.68	501880	539950	75460	464490	92.55
9	48.00	7101	K WHITE OFFSET	14.8	14.3	105.41	64864	67400		67400	103.90
9	50.00	7102	K WHITE OFFSET	26.9	26.0	107.03	120120	136720		136720	113.81
	36.84		MACH TOTAL 1.09091	799.4	738.2	100.74	2825686	3094660	94490	3000170	106.17
			MILL TOTAL	4016.53	743.7	101.68	16177791	17398030	399800	16998230	105.07
10	30.00	1800	PRIDE OPAQUE						860	860	
10	20.00	2000	BRITE LITE THIN	9.5	8.7	102.23	16045	16200	1640	14560	90.74
10	22.00	2001	BRITE LITE THIN								
10	21.00	2009	ROYAL LITE	27.0	26.3	108.73	51777	48240		48240	93.16
10	20.00	2011	ZONDERLITE 84	63.8	61.4	107.43	108969	110110	5770	104340	95.75
10	24.00	2210	IMPERIAL BIBLE EF NA	125.7	116.0	103.01	237426	210205	6745	203460	85.69
10	22.00	2213	ANDERPAQUE BIBLE						500	500	
10	21.00	2215	NELTEXT - T. NELSON						728	728	
10	20.00	2222	BANK DIRECTORY						5520	5520	
10	21.00	2223	NATO TEXT BIBLE 80	75.2	68.0	100.94	135124	135080	24170	110910	82.08
10	21.00	2412	NATO TEXT BIBLE	120.8	103.6	95.73	196994	209790	3780	206010	104.57
10	30.00	2516	CELLUPAQUE	194.7	169.7	97.29	365886	315120	9145	305975	83.62
10	30.00	3830	WHITE BOOKLITE						1500	1500	
	24.20		MACH TOTAL 1.11628	616.7	553.7	100.22	1112221	1044745	60358	984387	88.50
11	24.00	2210	IMPERIAL BIBLE EF NA	24.4	19.3	88.30	38976	34605		34605	88.78
11	21.00	2215	NELTEXT - T. NELSON	156.0	139.0	99.46	258309	259305	4860	254445	98.50
11	26.00	2426	SHAKESPEARE THIN	120.0	106.8	99.35	203042	231725	7475	224250	110.44
11	21.50	6400	CIGARETTE TIPPING -	233.5	209.4	100.11	360122	353015	28635	324380	90.07
11	16.25	6700	CRIMPING WRAP	20.7	17.1	92.21	29412	27640		27640	93.97
11	17.25	6717	WHITE CRIMPING PAPER	63.3	59.5	104.93	108290	98180		98180	90.66
11	18.00	6720	PLUG WRAP	20.6	20.0	108.38	30400	32370		32370	106.48
WW	21.81		MACH TOTAL 1.11628	638.5	571.1	99.84	1028551	1036840	40970	995870	96.82
			MILL TOTAL	1259.21	124.8	100.03	2140772	2081585	101328	1980257	92.50
15	87.50	510	ELECTROSTATIC IIA						3312	3312	
15	78.00	526	ELECTROSTATIC -A B D	193.0	173.7	99.31	659192	652910	10360	642550	97.47
15	87.50	560	MASTER BASE PAPER II	87.0	80.6	102.23	334197	348100		348100	104.16
	81.30		MACH TOTAL 1.10345	280.0	254.3	100.22	993389	1001010	13672	987338	99.39
17	40.00	801	LAUREL TEXT	93.2	75.9	89.86	579383	512265	4720	507545	87.60
17	45.00	802	LAUREL TEXT	54.3	32.0	65.03	324322	271810	23390	248420	76.59
17	50.00	803	LAUREL TEXT	34.2	24.3	78.40	239457	181760	2970	178790	74.66
17	70.00	806	LAUREL TEXT	1.2	1.0	91.95	12195	13300		13300	109.06
17	40.00	821	CAMELIA MATTE	80.0	51.9	71.59	411417	328160	34200	293960	71.45
17	50.00	823	CAMELIA MATTE						11730	11730	

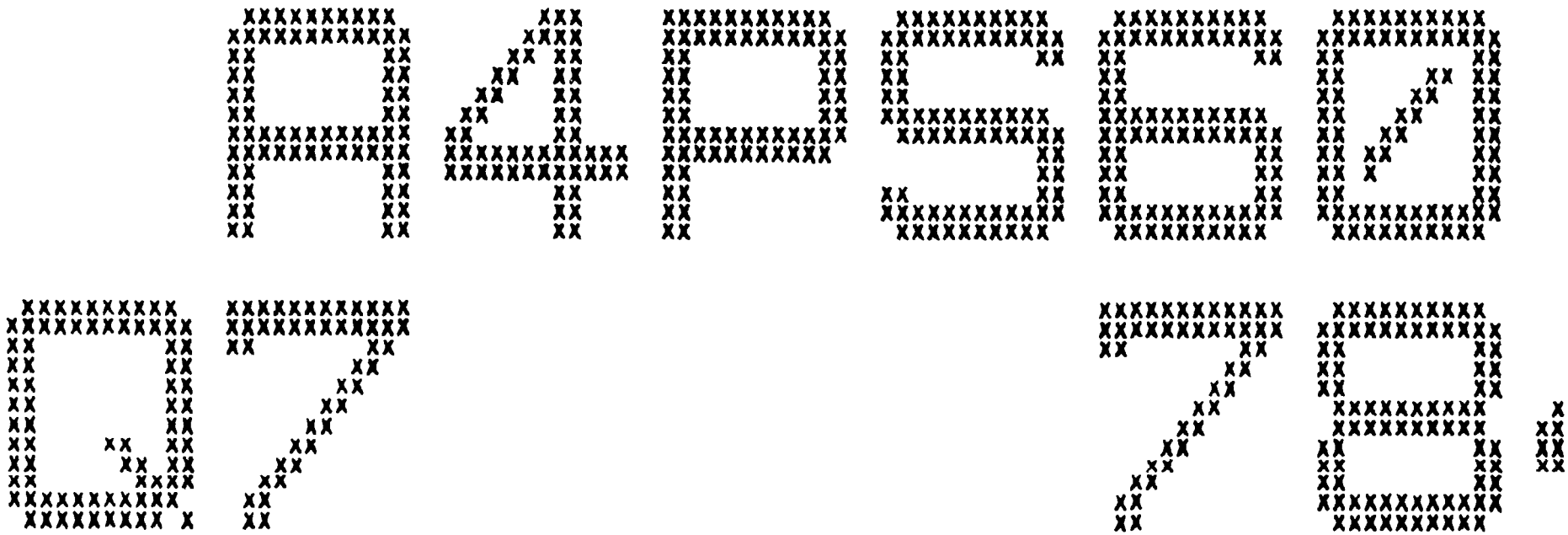
SA 865186

PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STO	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
70.00	826	CAMELIA MATTE	6.9	3.0	47.98	39124	38790		38790	99.14
35.00	846	RAM KOTE	32.6	21.5	72.77	143550	141710		141710	98.71
91.00	873	LIQUID TONER BASE TY	16.0	12.5	86.21	207054	97390		97390	47.03
86.00	876	ELECTROSTATIC TYPE I	202.5	163.5	89.09	1016966	772750		772750	75.98
58.89		MACH TOTAL 1.10345	520.9	385.0	81.68	2973468	2357935	77010	2280925	76.70

SA 065187

065188



FEBRUARY, 1980

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	2300	42360				
	2406	59960				
	2524	465340				
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	1502		43800	190450		553550
	1533		277060		47330	616890
	2503		8120			
	2513		636790	17620	146540	221620
	2514		39560			165700
	2901		50500			
	3000		137880	22800	14800	
	3001		167780	44840	150930	
	3002		421460	37890		
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	1203			37180		
	1510			72030		
	2104			14080		
	2980			128260		
	3501			189810		22080
	3825			171450		
	7101			10460	7540	
	0226			1985850	38120	
	0276				1026130	
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	3004				28040	

C. W. SON JONES COMPANY 07214 GREEN 7214 BUFF PAT. APPL. FOR

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577 MADE IN U.S.A.

SA 065190

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74400	03				
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35500	16				
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53200	16				
24220	16				
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3000	118				
295140	16				
		29360		29360	16
		138675		138675	15
		116950		116950	15
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577 MADE IN U.S.A.

SA 065192

PROGRAM: A4PS33C1 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 02/27/80 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
5	1800	PRIDE OPAQUE	600	640	9	106.66
					9	106.66
	2000	BRITE LITE THIN	600	620	9	103.33
			600	640	6	106.66
					15	104.66
	2009	ROYAL LITE	600	640	9	106.66
					9	106.66
	2233	IMPERIAL BIBLE EXTRA WHITE	600	620	7	103.33
					7	103.33
	2240	LAWYERS WHITE OFFSET	600		1	
			600	640	8	106.66
					9	94.80
	2300	MERRIAM DICTIONARY	600	620	2	103.33
					2	103.33
	2406	SHAKESPEARE THIN	600	620	2	103.33
			600	640	2	106.66
					4	104.99
	2526	A H DICTIONARY	600	600	21	100.00
			600	620	3	103.33
					24	100.41
	3038	HOME DICTIONARY PAPER	610	570	14	93.44
			610	580	1	95.08
			610	600	2	98.36
					17	94.11
						101.07

865193 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

CH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
5	142	ELECTRO - IIA A B DICK RS	480	500	10	104.16
					10	104.16
	1100	E. B. NEW SHADE	750	760	13	101.33
					13	101.33
	1500	SPEC. JACKSON OFFSET	750	750	6	100.00
					6	100.00
	1503	J OFFSET	740	750	3	101.35
					3	101.35
	1533	H W "J" OFFSET	680	700	12	102.94
					12	102.94
	2503	SOLITUDE OPAQUE	750	760	1	101.33
					1	101.33
	2513	R.C. VELLUM OPAQUE	740		1	
			740	740	1	100.00
			740	750	12	101.35
			740	770	6	104.05
					20	97.02
	2514	INTERNATIONAL HARVESTER OPAQUE	760	760	2	100.00
					2	100.00
	2901	DICKENS OFFSET	720	750	2	104.16
					2	104.16
	3000	SUPERIOR OFFSET	725	720	2	99.31
			725	770	2	106.20
					4	102.75
	3001	SUPERIOR OFFSET	720	750	5	104.16
			720	770	2	106.94
					7	104.95
	3002	SUPERIOR OFFSET	680	700	1	102.94
			680	720	9	105.88
					10	105.58
	7100	K WHITE OFFSET	725	720	3	99.31
			725	750	5	103.44
					8	101.89
	7102	K WHITE OFFSET	680	650	1	95.58
			680	700	3	102.94
			680	720	16	105.88

SH 865194

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
					20	104.92
HU						
	7104	K WHITE OFFSET	580	580	3	100.00
			580	620	4	106.89
					7	103.93
	7122	BW K OFFSET - ANTIQUE	660	700	1	106.06
					1	106.06
	7124	BW K OFFSET - ANTIQUE	560	580	1	103.57
			560	600	1	107.14
					2	105.35
						102.40

HU

065195 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

CH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
7	1100	E. B. NEW SHADE	750	700	1	93.33
			750	800	6	106.66
					7	104.75
	1201	B Y CALENDAR PAD BOND	600	820	4	136.66
					4	136.66
	1203	A.M. PRIDE	750	760	3	101.33
					3	101.33
	1500	SPEC. JACKSON OFFSET	600	700	3	116.66
					3	116.66
	1503	J OFFSET	680	750	1	110.29
			680	760	6	111.76
					7	111.55
	1510	B.W. OFFSET MF STD	680	670	2	98.52
			680	700	1	102.94
					3	99.99
	1800	PRIDE OPAQUE	750	600	1	80.00
			750	760	6	101.33
					7	98.28
	2000	BRITE LITE THIN	620	720	2	116.12
					2	116.12
	2009	ROYAL LITE	620	700	2	112.90
			620	720	32	116.12
					34	115.93
	2104	BRITISH OPAQUE	725	750	1	103.44
					1	103.44
	2233	IMPERIAL BIBLE EXTRA WHITE	650	700	2	107.69
					2	107.69
	2513	R.C. VELLUM OPAQUE	680	700	2	102.94
					2	102.94
	2980	BW WRITING PAPER LOT 71	680	725	3	106.61
					3	106.61
	3000	SUPERIOR OFFSET	680	700	1	102.94
					1	102.94
	3001	SUPERIOR OFFSET	650	750	2	115.38
					2	115.38

SP 865196

PROGRAM: A4PS33C1 S C M A L L I E D P A P E R I N C. PAGE 5
RUN DATE: 02/27/80 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02.1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
MW	3002	SUPERIOR OFFSET	600	670	2	111.66
					2	111.66
	3501	SCHOOL COTE	725	500	6	68.96
			725	600	1	82.75
			725	700	1	96.55
					8	74.13
	3835	WHITE BOOK LITE	750	760	5	101.33
			750	780	1	104.00
					6	101.77
	7100	K WHITE OFFSET	680	780	1	114.70
					1	114.70
	7101	K WHITE OFFSET	650	730	1	112.30
					1	112.30
	7102	K WHITE OFFSET	600	675	1	112.50
					1	112.50
						100.21

MW

85187 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02.1980

CH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
3	226	CAMELIA MATTE RS	550	610	1	110.90
			550	750	1	136.36
					2	123.63
	276	TYPE IV BLADE BASE	480	450	1	93.75
			480	460	4	95.83
			480	480	31	100.00
			480	500	1	104.16
					37	99.49
	1000	Q.P. OFFSET	700	750	2	107.14
			700	780	6	111.42
					8	110.35
	1533	B W 'J' OFFSET	660	780	2	118.18
					2	118.18
	1701	B W 'J' OPAQUE	700	750	2	107.14
			700	780	4	111.42
					6	109.99
	1800	PRIDE OPAQUE	700	750	5	107.14
			700	780	12	111.42
					17	110.16
	1900	TENNYSON OFFSET	700	780	1	111.42
					1	111.42
	2513	R.C. VELLUM OPAQUE	700	750	1	107.14
			700	760	1	108.57
			700	780	6	111.42
					8	110.52
	3000	SUPERIOR OFFSET	700	740	1	105.71
					1	105.71
	3001	SUPERIOR OFFSET	710	750	1	105.63
			710	770	1	108.45
			710	780	4	109.85
					6	108.91
	3004	SUPERIOR OFFSET	550	600	2	109.09
					2	109.09
	3400	END LEAF OFFSET - HI OPAQUE	400	400	5	100.00
			400	750	1	187.50
					6	114.58
	7101	K WHITE OFFSET	700	770	1	110.00

SH 865198

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
					1	110.00
	7102	K WHITE OFFSET	650	720	1	110.76
			650	730	3	112.30
			650	740	2	113.84
			650	750	3	115.38
			650	760	3	116.92
			650	780	1	120.00
			650	800	1	123.07
					14	115.37
	7104	K WHITE OFFSET	550	620	3	112.72
					3	112.72
						107.93

065199 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

CH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
9	1203	A.M. PRIDE	600	775	4	129.16
					4	129.16
	1500	SPEC. JACKSON OFFSET	600	740	2	123.33
			600	770	14	128.33
					16	127.70
	1503	J OFFSET	670	720	7	107.46
			670	770	10	114.92
					17	111.84
	1510	B.W. OFFSET MF STD	680	720	2	105.88
					2	105.88
	1533	B W 'J' OFFSET	575	660	8	114.78
			575	700	4	121.73
			575	710	3	123.47
			575	720	3	125.21
					18	119.51
	1547	B.W. J OFFSET M F	575	710	4	123.47
					4	123.47
	1800	PRIDE OPAQUE	700	780	3	111.42
					3	111.42
	1805	ALLIED PRIDE	700	770	3	110.00
					3	110.00
	1820	BW PRIDE OPAQUE	625	700	2	112.00
					2	112.00
	2513	R.C. VELLUM OPAQUE	680	760	5	111.76
			680	770	6	113.23
					11	112.56
	2514	INTERNATIONAL HARVESTER OPAQUE	720	770	6	106.94
					6	106.94
	3037	CW SUPERIOR OFFSET MF	700	760	4	108.57
					4	108.57
	3501	SCHOOL COTE	725	700	1	96.55
			725	760	1	104.82
					2	100.68
	7000	CALENDAR PAD OFFSET	680	770	1	113.23
					1	113.23

SH 865200

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
	7102	K WHITE OFFSET	625	680	3	108.80
			625	700	3	112.00
			625	720	1	115.20
					7	111.08
	7135	WHITE SPECIAL OFFSET	725	760	9	104.82
			725	7608	1	49.37
					10	99.27
						114.59

065201 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

CH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
)	1800	PRIDE OPAQUE	520	520	2	100.00
					2	100.00
	2018	BRITE LITE THIN	600	700	4	116.66
					4	116.66
	2220	NELTEXT BIBLE	620	700	11	112.90
					11	112.90
	2222	BANK DIRECTORY	620	700	9	112.90
					9	112.90
	2412	NATO TEXT BIBLE	620	540	1	87.09
			620	560	4	90.32
			620	620	1	100.00
			620	700	2	112.90
					8	96.77
						108.78

SA 865202

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
11	6400	CIGARETTE TIPPING - CORK	570	540	2	94.73
			570	550	1	96.49
			570	570	4	100.00
					7	97.99
	6717	WHITE CRIMPING PAPER	750		1	
			750	720	12	96.00
					13	88.61
	6720	PLUG WRAP	600		2	
			600	620	5	103.33
			600	700	4	116.66
					11	89.39
						91.00

865283 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

CH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
5	526	ELECTROSTATIC -A B DICK	510		24	
					24	
	533	ELECTROSTATIC - AB DICK	510		2	
					2	
	560	MASTER BASE PAPER II C	460		2	
					2	

SA 865284

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
17	805	LAUREL TEXT	1300		1	
					1	
	821	CAMELIA MATTE	1300		4	
					4	
	876	ELECTROSTATIC TYPE IV	450		41	
					41	

855285 SA

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*  SORT/MERGE 5746-SM2, REL 1, MOD 0, PTF 04,  DATE 02/27/80
)01  OPTION ROUTE=LST                                                    0010
)01  SORT FIELDS=(15,2,ZD,A,19,4,ZD,A,48,2,PD,D),WORK=1,FILES=1        $SLIR011
)01  RECORD TYPE=F,LENGTH=(80,,80)                                      0012
)01  INPFIL BLKSIZE=4080                                               0013
)01  OUTFIL BLKSIZE=4080                                               0014
)01  END                                                               0015

)31 SORT  COMPLETE, IN 687, OUT 687.
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SA 06206

PHOGRAM: A4PS34C1 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 02/27/80 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
5	1800	PRIDE OPAQUE	110	118	7	107.27
			110	107	2	97.27
					9	105.04
	2000	BRITE LITE THIN	110	114	6	103.63
			110	110	9	100.00
					15	101.45
	2009	ROYAL LITE	116	117	9	100.86
					9	100.86
	2233	IMPERIAL BIBLE EXTRA WHITE	102	114	4	111.76
			102	111	3	108.82
					7	110.50
	2240	LAWYERS WHITE OFFSET	110	117	9	106.36
					9	106.36
	2300	MERRIAM DICTIONARY	112	111	2	99.10
					2	99.10
	2406	SHAKESPEARE THIN	110	117	4	106.36
					4	106.36
	2528	A H DICTIONARY	110	121	24	110.00
					24	110.00
	3038	HOME DICTIONARY PAPER	105	117	1	111.42
			105	116	1	110.47
			105	115	4	109.52
			105	112	11	106.66
					17	107.83
						106.27

065207 59

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02.1980

CH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
1	142	ELECTRO - IIA A B DICK RS	144	145	4	100.69
			144	139	6	96.52
					10	98.18
	1100	E. B. NEW SHADE	138	138	13	100.00
					13	100.00
	1500	SPEC. JACKSON OFFSET	136	136	6	100.00
					6	100.00
	1503	J OFFSET	142	140	1	98.59
			142	134	2	94.36
					3	95.77
	1533	B W 'J' OFFSET	142	146	2	102.81
			142	145	2	102.11
			142	142	5	100.00
			142	139	3	97.88
					12	100.29
	2503	SOLITUDE OPAQUE	140	125	1	89.28
					1	89.28
	2513	R.C. VELLUM OPAQUE	140	143	4	102.14
			140	140	16	100.00
					20	100.42
	2514	INTERNATIONAL HARVESTER OPAQUE	140	138	2	98.57
					2	98.57
	2901	DICKENS OFFSET	140	140	2	100.00
					2	100.00
	3000	SUPERIOR OFFSET	142	140	4	98.59
					4	98.59
	3001	SUPERIOR OFFSET	142	142	2	100.00
			142	140	2	98.59
			142	138	3	97.18
					7	98.38
	3002	SUPERIOR OFFSET	142	147	1	103.52
			142	140	6	98.59
			142	138	3	97.18
					10	98.66
	7100	K WHITE OFFSET	142	144	4	101.40
			142	140	4	98.59
					8	99.99

SA 865208

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
WW	7102	K WHITE OFFSET	142	142	3	100.00
			142	141	1	99.29
			142	140	4	98.59
			142	138	4	97.18
			142	136	1	95.77
			142	133	5	93.66
			142	132	2	92.95
					20	96.61
	7104	K WHITE OFFSET	142	143	1	100.70
			142	141	2	99.29
			142	140	3	98.59
			142	128	1	90.14
					7	97.88
	7122	BW K OFFSET - ANTIQUE	142	138	1	97.18
					1	97.18
	7124	BW K OFFSET - ANTIQUE	142	142	2	100.00
					2	100.00
						98.84

WW

865299 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02.1980

CH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
1	1100	E. B. NEW SHADE	138	138	7	100.00
					7	100.00
	1201	B W CALENDAR PAD BOND	110	121	3	110.00
			110	119	1	108.18
					4	109.54
	1203	A.M. PRIDE	128	122	1	95.31
			128	120	1	93.75
			128	117	1	91.40
					3	93.48
	1500	SPEC. JACKSON OFFSET	103	102	3	99.02
					3	99.02
	1503	J OFFSET	132	133	2	100.75
			132	128	2	96.96
			132	124	3	93.93
					7	96.74
	1510	R.W. OFFSET MF STD	132	121	3	91.66
					3	91.66
	1800	PRIDE OPAQUE	136	110	7	80.88
					7	80.88
	2000	BRITE LITE THIN	132	122	1	92.42
			132	110	1	83.33
					2	87.87
	2009	ROYAL LITE	132	124	3	93.93
			132	122	31	92.42
					34	92.55
	2104	BRITISH OPAQUE	134	122	1	91.04
					1	91.04
	2233	IMPERIAL BIBLE EXTRA WHITE	132	117	2	88.63
					2	88.63
	2513	R.C. VELLUM OPAQUE	134	105	2	78.35
					2	78.35
	2980	BW WRITING PAPER LOT 71	134	138	3	102.98
					3	102.98
	3000	SUPERIOR OFFSET	134	128	1	95.52
					1	95.52

SA 865210

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
	3001	SUPERIOR OFFSET	134	122	2	91.04
					2	91.04
	3002	SUPERIOR OFFSET	134	137	2	102.23
					2	102.23
	3501	SCHOOL COTE	120	131	8	109.16
					8	109.16
	3835	WHITE BOOK LITE	136	135	6	99.26
					6	99.26
	7100	K WHITE OFFSET	136	128	1	94.11
					1	94.11
	7101	K WHITE OFFSET	136	123	1	90.44
					1	90.44
	7102	K WHITE OFFSET	136	116	1	85.29
					1	85.29
						95.11

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

CH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
3	226	CAMELIA MATTE RS	104	106	2	101.92
					2	101.92
	276	TYPE IV BLADE BASE	124	123	6	99.19
			124	121	2	97.58
			124	119	3	95.96
			124	118	26	95.16
					37	96.00
	1000	Q.P. OFFSET	114	114	8	100.00
					8	100.00
	1533	B W 'J' OFFSET	106	99	2	93.39
					2	93.39
	1701	B W 'J' OPAQUE	105	107	4	101.90
			105	105	2	100.00
					6	101.26
	1800	PRIDE OPAQUE	110	110	17	100.00
					17	100.00
	1900	TENNYSON OFFSET	110	115	1	104.54
					1	104.54
	2513	R.C. VELLUM OPAQUE	110	105	8	95.45
					8	95.45
	3000	SUPERIOR OFFSET	110	100	1	90.90
					1	90.90
	3001	SUPERIOR OFFSET	110	114	4	103.63
			110	102	2	92.72
					6	99.99
	3004	SUPERIOR OFFSET	110	108	2	98.18
					2	98.18
	3400	END LEAF OFFSET - HI OPAQUE	120	121	1	100.83
			120	118	1	98.33
			120	114	2	95.00
			120	104	2	86.66
					6	93.74
	7101	K WHITE OFFSET	110	92	1	83.63
					1	83.63
	7102	K WHITE OFFSET	110	126	2	114.54
			110	123	1	111.81

SR 95212

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
			110	122	1	110.90
			110	120	3	109.09
			110	116	6	105.45
			110	100	1	90.90
					14	107.33
	7104	K WHITE OFFSET	110	110	3	100.00
					3	100.00
						98.73

865213 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

CH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
9	1203	A.M. PRIDE	120	116	2	96.66
			120	110	2	91.66
					4	94.16
	1500	SPEC. JACKSON OFFSET	103	102	16	99.02
					16	99.02
	1503	J OFFSET	105	113	4	107.61
			105	110	11	104.76
			105	105	2	100.00
					17	104.87
	1510	B.W. OFFSET MF STD	106	118	2	111.32
					2	111.32
	1533	B W 'J' OFFSET	106	110	3	103.77
			106	109	1	102.83
			106	108	3	101.88
			106	107	3	100.94
			106	106	8	100.00
					18	101.25
	1547	B.W. J OFFSET M F	106	121	3	114.15
			142	118	1	83.09
					4	106.38
	1800	PRIDE OPAQUE	110	116	3	105.45
					3	105.45
	1805	ALLIED PRIDE	110	105	3	95.45
					3	95.45
	1820	BW PRIDE OPAQUE	110	93	2	84.54
					2	84.54
	2513	R.C. VELLUM OPAQUE	110	105	11	95.45
					11	95.45
	2514	INTERNATIONAL HARVESTER OPAQUE	105	108	4	102.85
			105	104	2	99.04
					6	101.58
	3037	CW SUPERIOR OFFSET MF	114	100	4	87.71
					4	87.71
	3501	SCHOOL COTE	105	105	2	100.00
					2	100.00
	7000	CALENDAR PAD OFFSET	110	106	1	96.36

SR 065214

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
					1	96.36
	7102	K WHITE OFFSET	110	116	6	105.45
			110	89	1	80.90
					7	101.94
	7135	WHITE SPECIAL OFFSET	136	112	10	82.35
					10	82.35
						98.45

865215 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

CH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
)	1800	PRIDE OPAQUE	105	107	2	101.90
					2	101.90
	2018	BRITE LITE THIN	105	109	4	103.80
					4	103.80
	2220	NELTEXT BIBLE	102	101	11	99.01
					11	99.01
	2222	BANK DIRECTORY	105	110	3	104.76
			105	107	6	101.90
					9	102.85
	2412	NATO TEXT BIBLE	105	108	8	102.85
					8	102.85
						101.66

SA 065216

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
11	6400	CIGARETTE TIPPING - CORK	100	103	3	103.00
			100	101	4	101.00
					7	101.85
	6717	WHITE CRIMPING PAPER	100	104	2	104.00
			100	100	11	100.00
					13	100.61
	6720	PLUG WRAP	100	100	11	100.00
					11	100.00
						100.67

865217 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

CH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
5	526	ELECTROSTATIC -A B DICK	72	73	5	101.38
			72	70	5	97.22
			72	67	14	93.05
					24	95.65
	533	ELECTROSTATIC - AB DICK	72	73	2	101.38
					2	101.38
	560	MASTER BASE PAPER II C	72	73	1	101.38
			72	67	1	93.05
					2	97.21
						96.17

SH 065218

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
17	805	LAUREL TEXT	102	115	1	112.74
					1	112.74
	821	CAMELIA MATTE	102	108	4	105.88
					4	105.88
	876	ELECTROSTATIC TYPE IV	102	120	7	117.64
			102	118	1	115.68
			102	116	17	113.72
			102	115	16	112.74
					41	114.05
						113.31

065219 SA

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*  SORT/MERGE 5746-SM2, RFL 1, MOD 0, PTF 04,  DATE 02/27/80
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)0I  RECORD TYPE=F,LENGTH=(80,,80)                                       0015
)0I  INPFIL BLKSIZE=4080                                                 0016
)0I  OUTFIL BLKSIZE=4080                                                 0017
)0I  END                                                                 0018

)3I SORT  COMPLETE, IN 1697, OUT 1697.
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SA 065220

PROGRAM: A4PS35C2 S C H A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 02/27/80 DAILY PRODUCTION SYSTEM
PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1980

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME STD	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
WW 5	30.00	1800	PRIDE OPAQUE	54.3	51.9	95.58	152505	170800		170800	111.99
5	20.00	2000	BRITE LITE THIN	104.8	90.8	86.64	172329	146980	10320	136660	79.30
5	21.00	2009	ROYAL LITE	59.0	53.4	90.50	111207	115540	23930	91610	82.37
5	22.00	2233	IMPERIAL BIBLE EXTRA	37.6	36.1	96.01	75640	62750	6520	56230	74.33
5	30.00	2240	LAWYERS WHITE OFFSET	61.9	59.0	95.31	175330	189260	2050	187210	106.77
5	30.00	2300	MERRIAM DICTIONARY	14.0	13.2	94.28	37215	42360		42360	113.82
5	33.00	2406	SHAKESPEARE THIN	18.7	17.1	91.44	56019	59960		59960	107.03
5	28.00	2528	A H DICTIONARY	167.5	160.8	96.00	459170	465340	4400	460940	100.38
5	38.00	3038	HOME DICTIONARY PAPE	134.2	128.4	95.67	473647	455780	7630	448150	94.61
			MACH TOTAL	652.0	610.7	93.66	1713062	1708770	54850	1653920	96.54
6	55.00	142	ELECTRO - IIA A B DI	47.6	44.8	94.11	235665	271040		271040	115.01
6	30.00	1100	E. B. NEW SHADE	104.0	99.9	96.05	438397	461480	16960	444520	101.39
6	38.00	1500	SPEC. JACKSON OFFSET	47.5	44.0	92.63	240554	272940		272940	113.46
6	40.00	1503	J OFFSET	7.3	7.3	100.00	41464	43800		43800	105.63
6	50.00	1533	B W 'J' OFFSET	41.8	38.5	92.10	262198	277060	2300	274760	104.79
6	32.00	2254	EX. WHITE IMPERIAL B								
6	30.00	2503	SOLITUDE OPAQUE	3.3	2.0	60.60	7950	8120		8120	102.13
6	40.00	2513	R.C. VELLUM OPAQUE	118.0	105.5	89.40	620138	636790	1160	635630	102.49
6	35.00	2514	INTERNATIONAL HARVES	7.9	7.4	93.67	38396	39560	2490	37070	96.54
6	45.00	2901	DICKENS OFFSET	7.8	7.3	93.58	46603	50500	---	50500	108.36
6	40.00	3000	SUPERIOR OFFSET	20.6	20.6	100.00	117666	137880	17980	119900	101.89
6	45.00	3001	SUPERIOR OFFSET	25.8	24.7	95.73	156934	167780	960	166820	106.29
6	50.00	3002	SUPERIOR OFFSET	57.4	56.4	98.25	378104	421460	1400	420060	111.09
6	40.00	7100	K WHITE OFFSET	24.9	23.7	95.18	137867	149940		149940	108.75
6	50.00	7102	K WHITE OFFSET	100.2	98.5	98.30	646955	706200	43170	663030	102.48
6	60.00	7104	K WHITE OFFSET	21.2	17.7	83.49	119759	126010	1100	124910	104.30
6	50.00	7122	BW K OFFSET - ANTIQU	4.8	4.3	89.58	27652	30240		30240	109.35
6	60.00	7124	BW K OFFSET - ANTIQU	5.1	2.6	50.98	17499	18000		18000	102.86
			MACH TOTAL	645.2	605.2	93.80	3533801	3818800	87520	3731280	105.58
WW 7	30.00	1100	E. B. NEW SHADE	50.0	38.2	76.40	167633	162270	32060	130210	77.67
7	32.00	1201	B W CALENDAR PAD BON	18.6	16.7	89.78	54493	63570	9050	54520	100.04
7	30.00	1203	A.M. PRIDE	10.0	9.4	94.00	36200	37180		37180	102.70
7	38.00	1500	SPEC. JACKSON OFFSET	17.7	16.0	90.39	52549	64600		64600	122.93
7	40.00	1503	J OFFSET	34.8	34.1	97.98	166964	190450	2330	188120	112.67
7	45.00	1510	B.W. OFFSET MF STD	12.7	12.4	97.63	64816	72030	1610	70420	108.64
7	30.00	1800	PRIDE OPAQUE	51.5	43.2	83.88	151112	165400	1470	163930	108.48
7	20.00	2000	BRITE LITE THIN	12.0	12.0	100.00	24638	23760	1420	22340	90.67
7	21.00	2009	ROYAL LITE	252.7	221.6	87.69	498314	524940	24560	500380	100.41
7	35.00	2104	BRITISH OPAQUE	5.4	3.0	55.55	13102	14080		14080	107.46
7	22.00	2233	IMPERIAL BIBLE EXTRA	9.9	9.4	94.94	22215	25320		25320	113.97
7	40.00	2513	R.C. VELLUM OPAQUE	5.3	5.3	100.00	21369	17620		17620	82.45
7	41.00	2980	BW WRITING PAPER LOT	22.8	21.5	94.29	116898	128260	3130	125130	107.04
7	40.00	3000	SUPERIOR OFFSET	8.0	3.8	47.50	18677	22800		22800	122.07
7	45.00	3001	SUPERIOR OFFSET	7.4	6.8	91.89	34179	44840		44840	131.19
7	50.00	3002	SUPERIOR OFFSET	7.0	6.7	95.71	38734	37890	2120	35770	92.34
7	45.00	3501	SCHOOL COTE	60.5	49.3	81.48	297080	189810		189810	63.89

SA 865221

PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02.1980

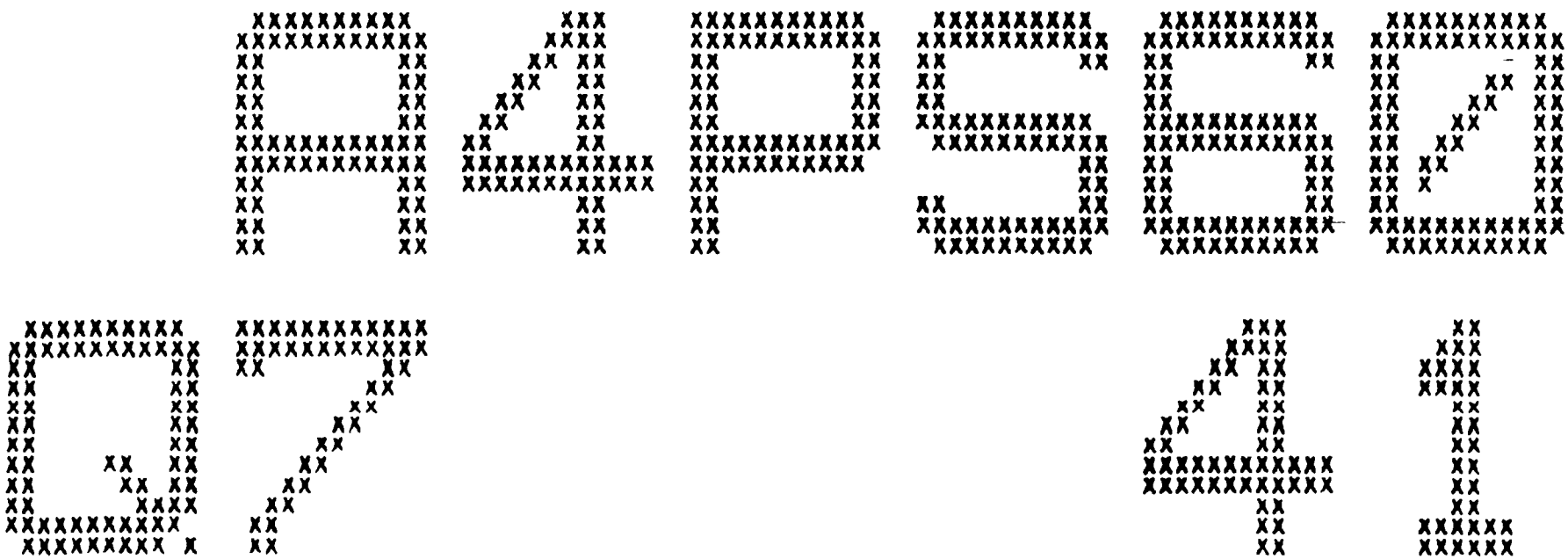
CH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME STD	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
7	35.00	3835	WHITE BOOK LITE	33.7	32.9	97.62	164334	171450	12360	159090	96.80
7	40.00	7100	K WHITE OFFSET	3.3	2.5	75.75	12288	11400		11400	92.77
7	45.00	7101	K WHITE OFFSET	1.7	1.7	100.00	8614	10460		10460	121.43
7	50.00	7102	K WHITE OFFSET	2.0	1.7	85.00	8321	7720		7720	92.77
			MACH TOTAL	627.0	548.2	87.43	1972530	1985850	90110	1895740	96.10
4	48.00	205	LAUREL TEXT R.S.						9660	9660	
3	58.00	226	CAMELIA MATTE RS	7.0	6.7	95.71	31959	38120		38120	119.27
3	60.00	276	TYPE IV BLADE BASE	230.9	201.7	87.35	975399	1026130		1026130	105.20
3	45.00	1000	Q.P. OFFSET	51.7	45.2	87.42	228781	261660	4340	257320	112.47
3	50.00	1533	B W 'J' OFFSET	9.3	8.8	94.62	40597	47330		47330	116.58
3	45.00	1701	B W 'J' OPAQUE	28.6	25.6	89.51	120873	134830	1400	133430	110.38
3	30.00	1800	PRIDE OPAQUE	127.8	115.1	90.06	374759	433700	8520	425180	113.45
3	40.00	1900	TENNYSON OFFSET	5.3	5.0	94.33	22655	27000		27000	119.17
3	40.00	2513	R.C. VELLUM OPAQUE	43.3	37.6	86.83	155548	146740	5080	141660	91.07
3	40.00	3000	SUPERIOR OFFSET	3.3	3.3	100.00	13002	14800		14800	113.82
3	45.00	3001	SUPERIOR OFFSET	27.7	27.5	99.27	136215	150930		150930	110.80
3	60.00	3004	SUPERIOR OFFSET	5.0	4.7	94.00	23653	28040		28040	118.54
3	80.00	3400	END LEAF OFFSET - HI	18.1	15.5	85.63	77610	74420		74420	95.88
3	45.00	7101	K WHITE OFFSET	2.6	1.6	61.53	6535	7540	1270	6270	95.94
3	50.00	7102	K WHITE OFFSET	68.6	57.6	83.96	311489	311970	3500	308470	99.03
3	60.00	7104	K WHITE OFFSET	12.8	12.0	93.75	61511	75380		75380	122.54
			MACH TOTAL	642.0	567.9	88.45	2580586	2778590	33770	2744820	106.36
9	30.00	1203	A.M. PRIDE	16.0	13.5	84.37	38479	43650	2840	40810	106.05
9	38.00	1500	SPEC. JACKSON OFFSET	116.1	105.8	91.12	347482	480910		480910	138.39
9	40.00	1503	J OFFSET	113.9	109.5	96.13	456362	553590		553590	121.30
9	45.00	1510	B.W. OFFSET MF STD	8.0	6.3	78.75	32114	35560		35560	110.73
9	50.00	1533	B W 'J' OFFSET	116.4	112.5	96.64	489412	616890		616890	126.04
9	47.00	1547	B.W. J OFFSET M F	28.0	22.6	80.71	109000	131610		131610	120.74
9	30.00	1800	PRIDE OPAQUE	12.8	12.0	93.75	41202	41000	1180	39820	96.64
9	35.00	1805	ALLIED PRIDE	12.5	12.4	99.20	45048	53200		53200	118.09
9	50.00	1820	BW PRIDE OPAQUE	5.6	5.3	94.64	21687	24220		24220	111.67
9	40.00	2513	R.C. VELLUM OPAQUE	52.2	47.2	90.42	190307	221620	1210	220410	115.81
9	35.00	2514	INTERNATIONAL HARVES	37.5	37.3	99.46	142013	165700		165700	116.67
9	37.00	3037	CW SUPERIOR OFFSET M	25.9	25.4	98.06	92964	108240		108240	116.43
9	45.00	3581	SCHOOL COTE	6.3	4.9	77.77	23667	22080		22080	93.29
9	40.00	7000	CALENDAR PAD OFFSET	.8	.8	100.00	3256	3090		3090	94.90
9	50.00	7102	K WHITE OFFSET	32.0	29.7	92.81	149805	175020		175020	116.83
9	35.00	7135	WHITE SPECIAL OFFSET	71.0	67.1	94.50	269039	295140	9200	285940	106.28
			MACH TOTAL	655.0	612.3	93.48	2451837	2971520	14430	2957090	120.60
			MILL TOTAL	3221.2	2944.3	91.40	12251816	13263530	280680	12982850	105.96
0	30.00	1800	PRIDE OPAQUE	8.4	7.7	91.66	18125	16890		16890	93.18
0	20.00	2000	BRITE LITE THIN						1560	1560	
0	18.00	2018	BRITE LITE THIN	18.7	18.1	96.79	29987	29360		29360	97.90
0	28.00	2201	IMPERIAL BIBLE						4000	4000	
0	24.00	2210	IMPERIAL BIBLE EF NA						900	900	

SB 85222

PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02.1980

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME STD	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
10	20.00	2220	NELTEXT BIBLE	76.1	72.7	95.53	127756	138675	6440	132235	103.50
10	20.00	2222	BANK DIRECTORY	64.3	58.2	90.51	109409	116950		116950	106.89
10	35.00	2407	SHAKESPEARE THIN								
10	21.00	2412	NATO TEXT BIBLE	54.0	50.5	93.51	100350	91990	4010	87980	87.67
			MACH TOTAL	221.5	207.2	93.54	385627	393865	16910	376955	97.75
11	21.50	6400	CIGARETTE TIPPING -	42.0	36.7	87.38	64188	51800	12810	38990	60.74
11	17.25	6717	WHITE CRIMPING PAPER	86.2	82.2	95.35	150141	147015		147015	97.91
11	18.00	6720	PLUG WRAP	79.8	73.1	91.60	111112	107555		107555	96.79
			MACH TOTAL	208.0	192.0	92.30	325441	306370	12810	293560	90.20
			MILL TOTAL	429.5	399.2	92.94	711068	700235	29720	670515	94.29
15	87.50	510	ELECTROSTATIC IIA						5520	5520	- -
15	87.50	518	ELECTROSTATIC II A								
15	78.00	526	ELECTROSTATIC -A B D	168.5	153.3	90.97	592211	577130	13745	563385	95.13
15	78.00	533	ELECTROSTATIC - AB D	15.5	13.2	85.16	53961	49110		49110	91.01
19	87.50	560	MASTER BASE PAPER II	16.0	13.0	81.25	51276	42920		42920	83.70
			MACH TOTAL	200.0	179.5	89.75	697450	669160	19265	649895	93.18
17	60.00	805	LAUREL TEXT	1.2	.7	58.33	8855	10010		10010	113.04
17	40.00	821	CAMELIA MATTE	32.0	24.1	75.31	191043	210960	6475	204485	107.03
17	86.00	876	ELECTROSTATIC TYPE I	245.6	201.5	82.04	1281221	932695	60010	872685	68.11
			MACH TOTAL	278.8	226.3	81.16	1481119	1153665	66485	1087180	73.40

065223 SA



SA 065224

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)0I  SORT/MERGE 5746-SM2; REL 1, MOD 0; PTF 04;  DATE 02/01/80
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)0I  OUTFIL BLKSIZE=4080                                                 0014
)0I  END                                                                 0015

)3I SORT  COMPLETE, IN 889, OUT 889.
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SA 06225

PROGRAM: A4PS33C1 S C H A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 02/01/80 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
5	1400	CW BRITISH OPAQUE - SERVICE OF	600	650	1	108.33
			600	660	2	110.00
					3	109.44
	1405	M H SPECIAL LIGHT WEIGHT	600	660	5	110.00
					5	110.00
	2009	ROYAL LITE	600	300	1	50.00
			600	600	1	100.00
			600	620	18	103.33
			600	640	12	106.66
			600	680	8	113.33
					40	104.91
	2104	BRITISH OPAQUE	600	630	2	105.00
					2	105.00
	2204	IMPERIAL BIBLE	600	600	3	100.00
					3	100.00
	2210	IMPERIAL BIBLE EF NAT PUB	600	650	10	108.33
					10	108.33
	2240	LAWYERS WHITE OFFSET	600	600	2	100.00
			600	680	1	113.33
					3	104.44
	2407	SHAKESPEARE THIN	600	600	1	100.00
					1	100.00
	2412	NATO TEXT BIBLE	600	660	6	110.00
					6	110.00
	2513	R.C. VELLUM OPAQUE	530		1	
			530	550	1	103.77
			530	570	8	107.54
			530	580	3	109.43
					13	99.41
	2514	INTERNATIONAL HARVESTER OPAQUE	600	600	9	100.00
			600	660	2	110.00
					11	101.81
	3830	WHITE BOOKLITE	600	580	1	96.66
			600	600	3	100.00
					4	99.16
						104.46

865226 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
	120	ELECTROSTATIC II C R.S.	480	500	15	104.16
					15	104.16
	142	ELECTRO - IIA A B DICK RS	480	500	14	104.16
			480	520	1	108.33
					15	104.43
	1533	B W 'J' OFFSET	680	710	8	104.41
					8	104.41
	2513	R.C. VELLUM OPAQUE	740	780	5	105.40
					5	105.40
	2961	BW G OFFSET	680	710	11	104.41
					11	104.41
	3000	SUPERIOR OFFSET	725	720	9	99.31
					9	99.31
	3001	SUPERIOR OFFSET	720	740	3	102.77
			720	750	2	104.16
					5	103.32
	3002	SUPERIOR OFFSET	680	700	2	102.94
			680	720	1	105.88
					3	103.92
	3004	SUPERIOR OFFSET	580	620	4	106.89
					4	106.89
	7001	SOLAR OFFSET	700	740	2	105.71
					2	105.71
	7100	K WHITE OFFSET	725	750	3	103.44
			725	780	2	107.58
					5	105.09
	7102	K WHITE OFFSET	680	700	1	102.94
			680	710	8	104.41
			680	720	16	105.88
			680	725	7	106.61
			680	730	1	107.35
			680	740	6	108.82
					39	106.12
	7103	K WHITE OFFSET	650	650	2	100.00
			650	670	1	103.07
					3	101.02

SQ 065227

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
	7104	K WHITE OFFSET	580	620	5	106.89
			580	630	3	108.62
			580	670	1	115.51
			580	740	1	127.58
					10	110.34
	7105	K WHITE OFFSET	480	550	3	114.58
					3	114.58
						105.22

065228 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

CM	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
	202	LAUREL TEXT - RS	750	750	3	100.00
			750	760	7	101.33
			750	770	2	102.66
					12	101.21
	203	LAUREL TEXT - RS	700	700	3	100.00
					3	100.00
	221	CAMELIA MATTE RS	750	750	9	100.00
			750	780	4	104.00
					13	101.23
	1203	A.M. PRIDE	750	740	2	98.66
			750	750	4	100.00
			750	760	2	101.33
			750	780	3	104.00
					11	101.08
	1533	B W 'J' OFFSET	600	610	1	101.66
					1	101.66
	2204	IMPERIAL BIBLE	725	750	4	103.44
			725	770	2	106.20
			725	780	1	107.58
					7	104.82
	2231	ALLIED SPECIAL BIBLE	725	760	11	104.82
					11	104.82
	2521	AMERICAN HERITAGE DICTIONARY	725	760	15	104.82
					15	104.82
	2961	BW G OFFSET	680	600	3	88.23
			680	610	3	89.70
			680	620	3	91.17
			680	640	5	94.11
					14	91.27
	7101	K WHITE OFFSET	650	640	2	98.46
			650	660	1	101.53
			650	680	11	104.61
					14	103.51
						101.29

SH 065229

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
8	203	LAUREL TEXT - RS	700	750	6	107.14
			700	770	10	110.00
			700	780	1	111.42
					17	109.07
	205	LAUREL TEXT R.S.	680	740	1	108.82
			680	750	2	110.29
					3	109.80
	273	TYPE IV BLADE BASE	360	430	3	119.44
			360	480	3	133.33
					6	126.38
	276	TYPE IV BLADE BASE	400	480	11	120.00
					11	120.00
	1000	Q.P. OFFSET	700	750	2	107.14
					2	107.14
	1203	A.M. PRIDE	700	780	7	111.42
					7	111.42
	1510	B.W. OFFSET MF STD	700	770	2	110.00
					2	110.00
	1533	B W 'J' OFFSET	660	770	1	116.66
					1	116.66
	1903	TENNYSON OFFSET	600	700	4	116.66
					4	116.66
	2407	SHAKESPEARE THIN	700	770	3	110.00
					3	110.00
	2513	R.C. VELLUM OPAQUE	700	770	4	110.00
					4	110.00
	2902	DICKENS OFFSET	650	750	2	115.38
					2	115.38
	2961	BW G OFFSET	650	700	3	107.69
			680	750	2	110.29
					5	108.73
	3001	SUPERIOR OFFSET	710	750	4	105.63
					4	105.63
	3400	END LEAF OFFSET - HI OPAQUE	400	400	7	100.00
					7	100.00

065230 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

CH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
	6100	WHITE CAP GUN STOCK	550	630	3	114.54
					3	114.54
	7100	K WHITE OFFSET	700	750	1	107.14
					1	107.14
	7101	K WHITE OFFSET	700	740	2	105.71
					2	105.71
	7102	K WHITE OFFSET	650	700	1	107.69
			650	710	4	109.23
			650	720	5	110.76
			650	730	1	112.30
			650	740	18	113.84
			650	750	3	115.38
					32	112.68
	7104	K WHITE OFFSET	550	600	1	109.09
			550	700	3	127.27
					4	122.72
	7121	BW K OFFSET - ANTIQUE	680	740	1	108.82
			680	750	3	110.29
			680	770	3	113.23
					7	111.34
						112.32

SA 065231

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
9	202	LAUREL TEXT - RS	720	60	1	8.33
			720	760	12	105.55
					13	98.07
	203	LAUREL TEXT - RS	700	750	6	107.14
			700	760	4	108.57
					10	107.71
	205	LAUREL TEXT R.S.	660	680	1	103.03
			660	700	2	106.06
					3	105.05
	221	CAMELIA MATTE RS	700	770	8	110.00
					8	110.00
	253	HWT - NON BLEED R.S.	600	540	1	90.00
			600	590	3	98.33
					4	96.24
	1503	J OFFSET	670	750	1	111.94
			670	760	9	113.43
					10	113.28
	1800	PRIDE OPAQUE	700	735	1	105.00
			700	750	1	107.14
			700	760	1	108.57
					3	106.90
	2102	BRITISH OPAQUE	700	770	2	110.00
					2	110.00
	2104	BRITISH OPAQUE	680	760	4	111.76
					4	111.76
	2202	IMPERIAL BIBLE	700	760	1	108.57
			700	780	1	111.42
					2	109.99
	2228	CW IMPERIAL BIBLE	700	770	2	110.00
			700	780	2	111.42
					4	110.71
	2504	SOLITUDE OPAQUE	680	750	2	110.29
					2	110.29
	2513	R.C. VELLUM OPAQUE	680	750	17	110.29
					17	110.29
	3001	SUPERIOR OFFSET	680	725	4	106.61

865232 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

CH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
					4	106.61
	3500	SCHOOL COTE	730	650	1	89.04
			730	680	2	93.15
			730	700	2	95.89
					5	93.42
	3502	SCHOOL COTE	685	650	2	94.89
					2	94.89
	3503	SCHOOL COTE	570	610	2	107.01
			570	650	2	114.03
					4	110.52
	7000	CALENDAR PAD OFFSET	680	770	1	113.23
					1	113.23
	7101	K WHITE OFFSET	680	740	2	108.82
			680	760	4	111.76
					6	110.78
						106.86

SA 065233

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
10	1800	PRIDE OPAQUE	600	500	1	83.33
			600	520	2	86.66
			520	540	4	103.84
			520	560	2	107.69
					9	98.59
	1803	PRIDE OPAQUE	520	460	1	88.46
			520	480	7	92.30
			520	500	1	96.15
			520	520	1	100.00
					10	93.07
	1805	ALLIED PRIDE	440	460	3	104.54
			440	480	3	109.09
					6	106.81
	2000	BRITE LITE THIN	620	700	4	112.90
					4	112.90
	2201	IMPERIAL BIBLE	600	520	21	86.66
					21	86.66
	2210	IMPERIAL BIBLE EF NAT PUB	620	620	3	100.00
			620	640	1	103.22
			620	670	1	108.06
			620	700	1	112.90
					6	104.03
	2400	SHAKESPEARE THIN	620	460	1	74.19
			620	700	8	112.90
					9	108.59
	2412	NATO TEXT BIBLE	620	660	1	106.45
			620	700	12	112.90
					13	112.40
	2503	SOLITUDE OPAQUE	580	560	2	96.55
					2	96.55
	2504	SOLITUDE OPAQUE	520	460	3	88.46
					3	88.46
	2514	INTERNATIONAL HARVESTER OPAQUE	520	460	3	88.46
			520	480	6	92.30
					9	91.02
	3830	WHITE BOOKLITE	580	560	12	96.55
					12	96.55

865234 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

CM	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
						98.36

SA 065235

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
11	1803	PRIDE OPAQUE	610	480	3	78.68
					3	78.68
	1805	ALLIED PRIDE	600	480	7	80.00
					7	80.00
	2204	IMPERIAL BIBLE	470	480	7	102.12
			470	500	1	106.38
			470	700	1	148.93
					9	107.79
	2208	NELTEXT BIBLE	570	580	1	101.75
			570	600	1	105.26
			570	620	1	108.77
					3	105.26
	6400	CIGARETTE TIPPING - CORK	570	550	1	96.49
			570	570	15	100.00
			570	620	1	108.77
			570	700	2	122.80
					19	102.67
	6700	CRIMPING WRAP	750	520	1	69.33
			750	570	3	76.00
			750	600	1	80.00
			750	650	1	86.66
			750	700	24	93.33
					30	90.13
	6717	WHITE CRIMPING PAPER	750	520	3	69.33
			750	650	2	86.66
			750	700	6	93.33
					11	85.57
	6723	COMBINER WRAP (ATC)	600	540	3	90.00
			600	600	3	100.00
					6	95.00
						93.72

865236 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

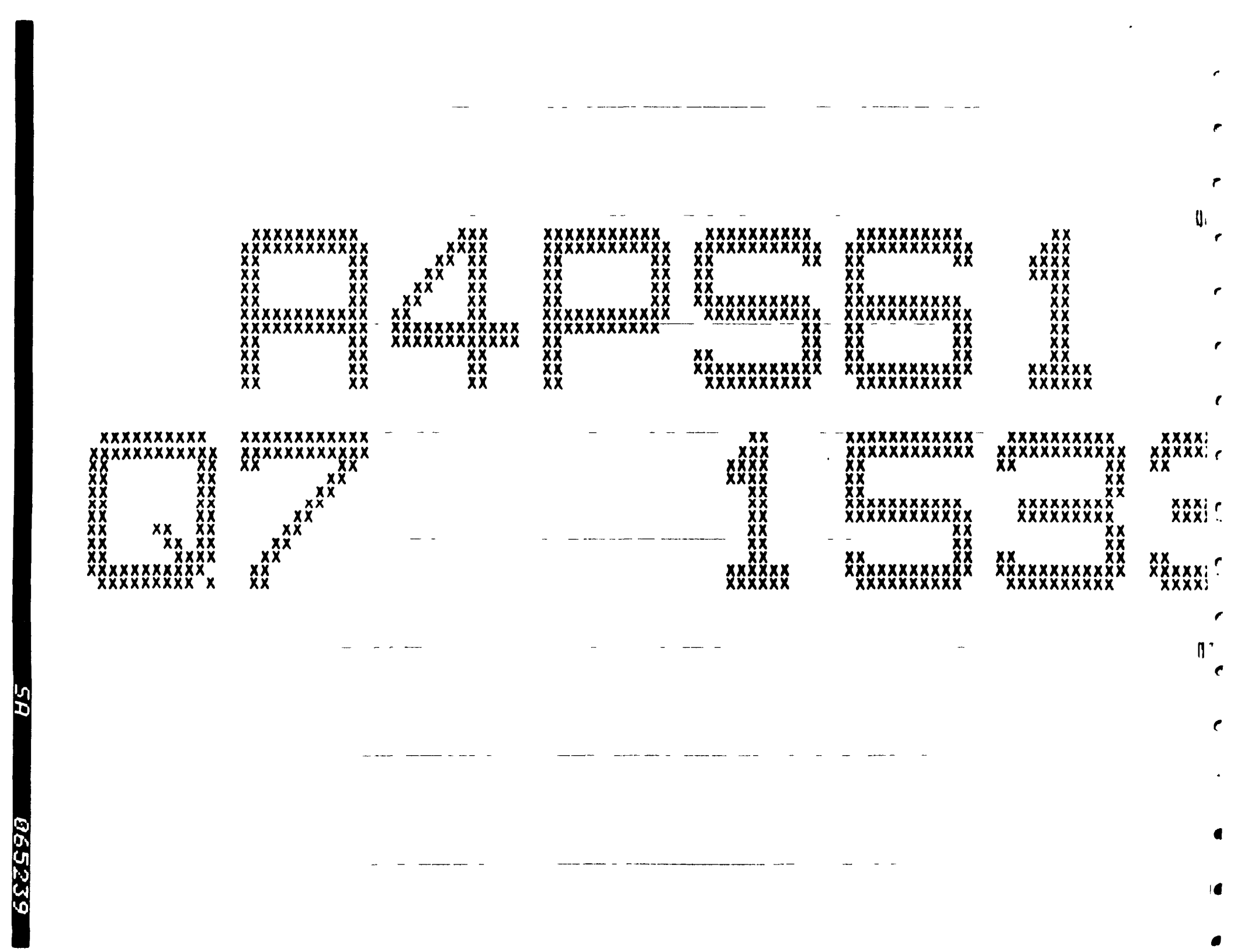
CH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
5	510	ELECTROSTATIC IIA	460		16	
					16	
	526	ELECTROSTATIC -A B DICK	510		16	
					16	
	533	ELECTROSTATIC - AB DICK	510		2	
					2	
	560	MASTER BASE PAPER II C	460		10	
					10	

SH 065237

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
17	802	LAUREL TEXT	1300		17	
					17	
	803	LAUREL TEXT	1300		24	
					24	
	805	LAUREL TEXT	1300		5	
					5	
	821	CAMELIA MATTE	1300		11	
					11	
	853	H W MASTER - NON BLEED II	1100		4	
					4	
	873	LIQUID TONER BASE TYPE IV	1100		12	
					12	
	876	ELECTROSTATIC TYPE IV	1200		10	
					10	

865238 SA



SA 865239

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********************    END    A4PS61     01533    LAST                    01 FEB 80    14.19.04    ****
********************    END    A4PS61     01533    LAST                    01 FEB 80    14.19.04    ****
********************    END    A4PS61     01533    LAST                    01 FEB 80    14.19.04    ****
********************    END    A4PS61     01533    LAST                    01 FEB 80    14.19.04    ****
********************    END    A4PS61     01533    LAST                    01 FEB 80    14.19.04    ****
********************    END    A4PS61     01533    LAST                    01 FEB 80    14.19.04    ****
********************    END    A4PS61     01533    LAST                    01 FEB 80    14.19.04    ****
********************    END    A4PS61     01533    LAST                    01 FEB 80    14.19.04    ****
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SA 065240

SA 065241

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
5	1800	PRIDE OPAQUE	600	600	2	100.00
			600	620	6	103.33
			600	650	1	108.33
					9	103.14
	1805	ALLIED PRIDE	600	600	2	100.00
					2	100.00
	2000	BRITE LITE THIN	600	600	1	100.00
			600	650	1	108.33
			600	680	1	113.33
					3	107.22
	2002	BRITE LITE THIN	600	600	2	100.00
			600	680	1	113.33
					3	104.44
	2009	ROYAL LITE	600	620	3	103.33
					3	103.33
	2110	BW BRITISH OPAQUE	600	620	4	103.33
					4	103.33
	2233	IMPERIAL BIBLE EXTRA WHITE	600	620	12	103.33
					12	103.33
	2240	LAWYERS WHITE OFFSET	600	620	10	103.33
					10	103.33
	2300	MERRIAM DICTIONARY	600		1	
			600	500	1	83.33
			600	560	1	93.33
			600	600	15	100.00
					18	93.14
	2305	MERRIAM DICTIONARY	600		1	
			600	600	1	100.00
			600	620	13	103.33
					15	96.21
	2406	SHAKESPEARE THIN	600	620	2	103.33
					2	103.33
	2503	SOLITUDE OPAQUE	600	600	2	100.00
					2	100.00
	2513	R.C. VELLUM OPAQUE	530	560	11	105.66
			530	580	6	109.43
					17	106.99

SA 865242

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
2514	INTERNATIONAL HARVESTER OPAQUE	600	580	3	96.66
		600	600	4	100.00
		600	620	3	103.33
				10	99.99
2528	A H DICTIONARY	600	560	5	93.33
		600	600	12	100.00
		600	620	1	103.33
		600	650	1	108.33
				19	98.85
3000	SUPERIOR OFFSET	530	560	5	105.66
				5	105.66
					100.83

SA 865243

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
6	142	ELECTRO - IIA A B DICK RS	480	510	9	106.25
			480	530	6	110.41
					15	107.91
	1500	SPEC. JACKSON OFFSET	750	740	3	98.66
			750	750	4	100.00
			750	760	3	101.33
					10	99.99
	1503	J OFFSET	740	750	2	101.35
			740	760	6	102.70
					8	102.36
	1533	B W 'J' OFFSET	680	660	1	97.05
			680	680	5	100.00
			680	700	6	102.94
			680	720	3	105.88
					15	102.15
	2254	EX. WHITE IMPERIAL BIBLE	750	760	3	101.33
					3	101.33
	2505	SOLITUDE OPAQUE	730	750	2	102.73
			730	770	1	105.47
					3	103.64
	2513	R.C. VELLUM OPAQUE	740	760	2	102.70
					2	102.70
	3002	SUPERIOR OFFSET	680	350	1	51.47
			680	700	3	102.94
			680	720	1	105.88
					5	93.23
	3038	HOME DICTIONARY PAPER	750	760	14	101.33
			750	780	12	104.00
					26	102.56
	3830	WHITE BOOKLITE	770	760	13	98.70
					13	98.70
	5200	TABLET INTERCO	750	750	13	100.00
			750	805	1	107.33
					14	100.52
	7101	K WHITE OFFSET	720	720	1	100.00
			720	730	1	101.38
			720	740	1	102.77
					3	101.38

SA 865244

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
7102	K WHITE OFFSET	680	700	8	102.94
		680	720	21	105.88
		680	730	2	107.35
		680	740	2	108.82
				33	105.43
7122	BW K OFFSET - ANTIQUE	660	510	1	77.27
				1	77.27
7124	BW K OFFSET - ANTIQUE	560	640	1	114.28
				1	114.28
					102.55

SH 065245

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
7	202	LAUREL TEXT - RS	750	725	1	96.66
			750	760	1	101.33
			750	780	8	104.00
					10	102.99
	1100	E. B. NEW SHADE	750	660	1	88.00
			750	740	1	98.66
			750	750	5	100.00
			750	760	41	101.33
			750	770	1	102.66
					49	100.89
	1207	A.M. PRIDE	650	650	2	100.00
			650	700	1	107.69
			650	725	3	111.53
					6	107.04
	1510	B.W. OFFSET MF STD	680	650	3	95.58
					3	95.58
	1800	PRIDE OPAQUE	750	760	4	101.33
					4	101.33
	2204	IMPERIAL BIBLE	725	760	4	104.82
					4	104.82
	2503	SOLITUDE OPAQUE	750	760	6	101.33
					6	101.33
	2513	R.C. VELLUM OPAQUE	680	730	2	107.35
					2	107.35
	2521	AMERICAN HERITAGE DICTIONARY	725	760	2	104.82
					2	104.82
	2961	BW G OFFSET	600	600	1	100.00
			600	650	3	108.33
			600	660	1	110.00
			600	670	1	111.66
					6	107.77
	3001	SUPERIOR OFFSET	650	650	3	100.00
			650	670	2	103.07
			650	690	2	106.15
					7	102.63
	3002	SUPERIOR OFFSET	600	620	2	103.33
			600	670	4	111.66
					6	108.88

SA 065246

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
3501	SCHOOL COTE	725	500	10	68.96
				10	68.96
3830	WHITE BOOKLITE	750	760	3	101.33
		750	780	13	104.00
				16	103.49
7101	K WHITE OFFSET	650	650	4	100.00
		650	670	2	103.07
				6	101.02
					100.21

SD 865247

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
8	203	LAUREL TEXT - RS	700	710	1	101.42
			700	730	3	104.28
					4	103.56
	206	LAUREL TEXT R.S.	550	620	1	112.72
					1	112.72
	273	TYPE IV BLADE BASE	360	440	3	122.22
			360	450	1	125.00
					4	122.91
	276	TYPE IV BLADE BASE	480	460	6	95.83
			480	470	1	97.91
			480	480	25	100.00
					32	99.15
	1202	SPECIAL AM PRIDE	700	720	1	102.85
			700	730	5	104.28
			700	750	3	107.14
					9	105.07
	1503	J OFFSET	700	750	4	107.14
			700	760	3	108.57
					7	107.75
	1533	B W "J" OFFSET	660	730	10	110.60
			660	750	9	113.63
					19	112.03
	1559	BW JACKSON OFFSET	600	620	1	103.33
			600	630	1	105.00
					2	104.16
	1702	J OPACIFIED OFFSET	680	720	2	105.88
					2	105.88
	1802	ALLIED PRIDE	700	730	2	104.28
					2	104.28
	2513	R.C. VELLUM OPAQUE	700	750	14	107.14
			700	780	2	111.42
					16	107.67
	2902	DICKENS OFFSET	650	690	1	106.15
			650	700	1	107.69
					2	106.92
	3000	SUPERIOR OFFSET	700	750	1	107.14
					1	107.14

SR 065248

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
3001	SUPERIOR OFFSET	710	770	4	108.45
				4	108.45
3011	SUPERIOR OFFSET	710	750	2	105.63
		710	760	3	107.04
		710	780	2	109.85
				7	107.44
3400	END LEAF OFFSET - HI OPAQUE	400	350	1	87.50
		400	400	5	100.00
				6	97.91
3409	END LEAF	350	350	1	100.00
				1	100.00
6100	WHITE CAP GUN STOCK	550	620	2	112.72
				2	112.72
7000	CALENDAR PAD OFFSET	700	760	3	108.57
				3	108.57
7100	K WHITE OFFSET	700	750	2	107.14
		700	780	1	111.42
				3	108.56
7101	K WHITE OFFSET	700	770	1	110.00
		700	800	1	114.28
				2	112.14
7102	K WHITE OFFSET	650	680	3	104.61
		650	720	4	110.76
		650	730	3	112.30
		650	750	13	115.38
				23	112.77
7103	K WHITE OFFSET	600	730	1	121.66
				1	121.66
7104	K WHITE OFFSET	550	620	3	112.72
		550	630	5	114.54
		550	650	1	118.18
				9	114.33
7120	B W K OFFSET - ANTIQUE	700	780	2	111.42
				2	111.42
7122	BW K OFFSET - ANTIQUE	630	680	3	107.93
		630	710	2	112.69

SH 865249

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
			630	730	2	115.87
			630	750	3	119.04
					10	113.80
MW	7123	BW K OFFSET - ANTIQUE	580	680	2	117.24
					2	117.24
						107.99

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SA 065250

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03.1980

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
201	LAUREL TEXT R.S.	700	760	18	108.57
		700	770	2	110.00
				20	108.71
203	LAUREL TEXT - RS	700	760	6	108.57
				6	108.57
221	CAMELIA MATTE RS	700	740	1	105.71
		700	760	12	108.57
		700	770	6	110.00
				19	108.87
246	RAM KOTE R.S.	700	740	1	105.71
		700	760	11	108.57
				12	108.33
1500	SPEC. JACKSON OFFSET	680	770	1	113.23
				1	113.23
1503	J OFFSET	670	760	11	113.43
		670	770	3	114.92
				14	113.74
1510	B.W. OFFSET MF STD	680	680	3	100.00
				3	100.00
1533	B W 'J' OFFSET	575	710	2	123.47
				2	123.47
2228	CW IMPERIAL BIBLE	700	760	5	108.57
				5	108.57
2239	OFF WHITE LAWYERS OFFSET	700	760	1	108.57
		700	770	2	110.00
				3	109.52
2513	R.C. VELLUM OPAQUE	680	740	5	108.82
		680	760	2	111.76
				7	109.66
2902	DICKENS OFFSET	625	700	3	112.00
				3	112.00
3501	SCHOOL COTE	725	700	8	96.55
				8	96.55
5200	TABLET INTERCO	680	710	1	104.41
		680	730	14	107.35
				15	107.15

SA 065251

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
	7101	K WHITE OFFSET	680	680	2	100.00
			680	690	1	101.47
					3	100.49
	7102	K WHITE OFFSET	625	700	3	112.00
			625	710	2	113.60
					5	112.64
						108.46

SA 065252

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

H	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
	2000	BRITE LITE THIN	620	700	2	112.90
					2	112.90
	2009	ROYAL LITE	620	700	4	112.90
					4	112.90
	2011	ZONDERLITE 84	620	630	1	101.61
			620	700	9	112.90
					10	111.77
	2210	IMPERIAL BIBLE EF NAT PUB	620	630	11	101.61
			620	640	2	103.22
			620	660	4	106.45
			620	670	1	108.06
					18	103.22
	2223	NATO TEXT BIBLE 80	620	640	1	103.22
			620	700	11	112.90
					12	112.09
	2412	NATO TEXT BIBLE	620	700	17	112.90
					17	112.90
	2516	CELLUPAQUE	500	475	3	95.00
			600	500	19	83.33
			500	510	2	102.00
			500	700	1	140.00
					25	88.49
						103.74

SA 065253

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
11	2210	IMPERIAL BIBLE EF NAT RUB	600	600	2	100.00
			600	620	2	103.33
					4	101.66
	2215	NELTEXT - T. NELSON	620	680	1	109.67
			620	700	19	112.90
					20	112.73
	2426	SHAKESPEARE THIN	530	580	4	109.43
			530	650	11	122.64
					15	119.11
	6400	CIGARETTE TIPPING - CORK	570	550	1	96.49
			570	560	14	98.24
			570	600	17	105.26
					32	101.91
	6700	CRIMPING WRAP	750	700	1	93.33
			750	710	2	94.66
					3	94.21
	6717	WHITE CRIMPING PAPER	750	700	3	93.33
			750	710	6	94.66
					9	94.21
	6720	PLUG WRAP	600	610	2	101.66
			600	620	1	103.33
					3	102.21
						106.35

SA 065254

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
526	ELECTROSTATIC -A B DICK	510		21	
				21	
560	MASTER BASE PAPER II C	460		10	
				10	

085255 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	EFFICIENCY
17	801	LAUREL TEXT	1300		14	
					14	
	802	LAUREL TEXT	1300		10	
					10	
	803	LAUREL TEXT	1250		10	
					10	
	806	LAUREL TEXT	1200		1	
					1	
	821	CAMELIA MATTE	1300		12	
					12	
	826	CAMELIA MATTE	1270		1	
					1	
	846	RAM KOTE	1300		5	
					5	
	873	LIQUID TONER BASE TYPE IV	1100		3	
					3	
	876	ELECTROSTATIC TYPE IV	450		39	
					39	

SA 865256

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  SORT/MERGE 5746-SM2, REL 1, MOD 0, PTF 04,  DATE 04/02/80
)I  OPTION ROUTE=LST                                                    0010
)I  SORT FIELDS=(15,2,ZD,A,19,4,ZD,A,48,2,PD,D),WORK=1,FILES=I        $SLIR011
)I  RECORD TYPE=F,LENGTH=(80,,80)                                       0012
)I  INPFIL BLKSIZE=4080                                                 0013
)I  OUTFIL BLKSIZE=4080                                                 0014
)I  END                                                                 0015

)I SORT  COMPLETE, IN 1025, OUT 1025.
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SA 86257

PROGRAM: A4PS34C1
RUN DATE: 04/02/80

S C M A L L I E D P A P E R I N C.
DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
5	1800	PRIDE OPAQUE	110	115	6	104.54
			110	110	3	100.00
					9	103.02
	1805	ALLIED PRIDE	105	113	2	107.61
					2	107.61
	2000	BRITE LITE THIN	110	110	3	100.00
					3	100.00
	2002	BRITE LITE THIN	110	110	3	100.00
					3	100.00
	2009	ROYAL LITE	116	112	3	96.55
					3	96.55
	2110	BW BRITISH OPAQUE	102	116	4	113.72
					4	113.72
	2233	IMPERIAL BIBLE EXTRA WHITE	102	114	12	111.76
					12	111.76
	2240	LAWYERS WHITE OFFSET	110	118	10	107.27
					10	107.27
	2300	MERRIAM DICTIONARY	112	111	18	99.10
					18	99.10
	2305	MERRIAM DICTIONARY	112	104	15	92.85
					15	92.85
	2406	SHAKESPEARE THIN	110	117	2	106.36
					2	106.36
	2503	SOLITUDE OPAQUE	110	116	2	105.45
					2	105.45
	2513	R.C. VELLUM OPAQUE	110	107	4	97.27
			110	105	13	95.45
					17	95.87
	2514	INTERNATIONAL HARVESTER OPAQUE	105	111	2	105.71
			105	106	1	100.95
			105	105	1	100.00
			105	104	4	99.04
			105	102	2	97.14
					10	100.28
	2528	A H DICTIONARY	110	121	19	110.00

SA 065258

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
				19	110.00
3000	SUPERIOR OFFSET	110	108	2	98.18
		110	100	3	90.90
				5	93.81
			112		102.18

SA 865259

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
6	142	ELECTRO - IIA A B DICK RS	144	136	9	94.44
			144	133	6	92.36
					15	93.60
	1500	SPEC. JACKSON OFFSET	136	136	10	100.00
					10	100.00
	1503	J OFFSET	142	142	6	100.00
			142	140	2	98.59
					8	99.64
	1533	B W "J" OFFSET	142	151	1	106.33
			142	148	2	104.22
			142	147	3	103.52
			142	145	3	102.11
			142	142	3	100.00
			142	135	2	95.07
			142	134	1	94.36
					15	101.07
	2254	EX. WHITE IMPERIAL BIBLE	138	143	3	103.62
					3	103.62
	2505	SOLITUDE OPAQUE	140	138	2	98.57
			140	126	1	90.00
					3	95.71
	2513	R.C. VELLUM OPAQUE	140	140	2	100.00
					2	100.00
	3002	SUPERIOR OFFSET	142	147	4	103.52
			142	146	1	102.81
					5	103.37
	3038	HOME DICTIONARY PAPER	148	140	11	94.59
			148	132	15	89.18
					26	91.46
	3830	WHITE BOOKLITE	138	136	13	98.55
					13	98.55
	5200	TABLET INTERCO	142	145	2	102.11
			142	139	2	97.88
			142	137	7	96.47
			142	133	3	93.66
					14	96.87
	7101	K WHITE OFFSET	142	140	3	98.59
					3	98.59

SA 085260

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
7102	K WHITE OFFSET	142	148	2	104.22
		142	145	2	102.11
		142	140	13	98.59
		142	138	3	97.18
		142	137	1	96.47
		142	136	2	95.77
		142	135	8	95.07
		142	134	1	94.36
		142	124	1	87.32
				33	97.45
7122	BW K OFFSET - ANTIQUE	142	135	1	95.07
				1	95.07
7124	BW K OFFSET - ANTIQUE	142	143	1	100.70
				1	100.70
			138		97.07

SH 065261

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
7	202	LAUREL TEXT - RS	126	126	10	100.00
					10	100.00
	1100	E. B. NEW SHADE	138	138	48	100.00
			138	111	1	80.43
					49	99.60
	1207	A.M. PRIDE	138	130	2	94.20
			138	128	4	92.75
					6	93.23
	1510	B.W. OFFSET MF STD	132	128	3	96.96
					3	96.96
	1800	PRIDE OPAQUE	136	130	1	95.58
			136	125	3	91.91
					4	92.82
	2204	IMPERIAL BIBLE	134	132	4	98.50
					4	98.50
	2503	SOLITUDE OPAQUE	134	137	3	102.23
			134	126	3	94.02
					6	98.12
	2513	R.C. VELLUM OPAQUE	134	126	2	94.02
					2	94.02
	2521	AMERICAN HERITAGE DICTIONARY	136	126	2	92.64
					2	92.64
	2961	BW O OFFSET	136	131	1	96.32
			136	130	5	95.58
					6	95.70
	3001	SUPERIOR OFFSET	134	132	1	98.50
			134	130	2	97.01
			134	128	1	95.52
			134	118	3	88.05
					7	93.17
	3002	SUPERIOR OFFSET	134	137	1	102.23
			134	135	1	100.74
			134	123	4	91.79
					6	95.02
	3501	SCHOOL COTE	120	131	10	109.16
					10	109.16

SA 05262

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
3830	WHITE BOOKLITE	134	131	13	97.76
		134	125	3	93.28
				16	96.92
7101	K WHITE OFFSET	136	132	1	97.05
		136	128	2	94.11
		136	124	2	91.17
		136	123	1	90.44
				6	93.00
			133		98.21

SA 065263

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
8	203	LAUREL TEXT - RS	104	120	4	115.38
					4	115.38
	206	LAUREL TEXT R.S.	104	106	1	101.92
					1	101.92
	273	TYPE IV BLADE BASE	124	120	2	96.77
			124	118	2	95.16
					4	95.96
	276	TYPE IV BLADE BASE	124	120	2	96.77
			124	119	14	95.96
			124	118	7	95.16
			124	117	3	94.35
			124	109	2	87.90
			124	98	4	79.03
					32	93.06
	1202	SPECIAL AM PRIDE	116	118	9	101.72
					9	101.72
	1503	J OFFSET	105	110	4	104.76
			105	105	3	100.00
					7	102.72
	1533	B W "J" OFFSET	106	122	1	115.09
			106	118	3	111.32
			106	114	3	107.54
			106	113	1	106.60
			106	107	4	100.94
			106	105	5	99.05
			106	102	2	96.22
					19	103.66
	1559	BW JACKSON OFFSET	105	107	2	101.90
					2	101.90
	1702	J OPACIFIED OFFSET	105	107	2	101.90
					2	101.90
	1802	ALLIED PRIDE	110	104	2	94.54
					2	94.54
	2513	R.C. VELLUM OPAQUE	110	105	16	95.45
					16	95.45
	2902	DICKENS OFFSET	110	112	2	101.81
					2	101.81

SD 065264

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
3000	SUPERIOR OFFSET	110	111	1	100.90
				1	100.90
3001	SUPERIOR OFFSET	110	114	4	103.63
				4	103.63
3011	SUPERIOR OFFSET	110	104	7	94.54
				7	94.54
3400	END LEAF OFFSET - HI OPAQUE	120	123	1	102.50
		120	122	1	101.66
		120	120	1	100.00
		120	115	2	95.83
		120	114	1	95.00
				6	98.47
3409	END LEAF	110	110	1	100.00
				1	100.00
6100	WHITE CAP GUN STOCK	108	113	2	104.62
				2	104.62
7000	CALENDAR PAD OFFSET	110	114	3	103.63
				3	103.63
7100	K WHITE OFFSET	110	117	1	106.36
		110	95	2	86.36
				3	93.07
7101	K WHITE OFFSET	110	121	1	110.00
		110	107	1	97.27
				2	103.63
7102	K WHITE OFFSET	110	120	2	109.09
		110	114	3	103.63
		110	113	5	102.72
		110	108	3	98.18
		110	105	4	95.45
		110	103	2	93.63
		110	100	4	90.90
				23	98.69
7103	K WHITE OFFSET	110	113	1	102.72
				1	102.72
7104	K WHITE OFFSET	110	124	2	112.72
		110	107	3	97.27
		110	105	2	95.45
		110	104	2	94.54

SD 065265

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
					9	99.69
	7120	B W K OFFSET - ANTIQUE	122	92	2	75.40
					2	75.40
	7122	BW K OFFSET - ANTIQUE	110	108	1	98.18
			110	105	7	95.45
			110	101	2	91.81
					10	94.99
	7123	BW K OFFSET - ANTIQUE	110	116	2	105.45
					2	105.45
				111		98.36

SA 865266

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
201	LAUREL TEXT R.S.	104	107	20	102.88
				20	102.88
203	LAUREL TEXT - RS	104	112	2	107.69
		104	109	2	104.80
		104	103	1	99.03
		104	99	1	95.19
				6	103.20
221	CAMELIA MATTE RS	104	111	16	106.73
		104	110	3	105.76
				19	106.57
246	RAM KOTE R.S.	104	106	12	101.92
				12	101.92
1500	SPEC. JACKSON OFFSET	112	102	1	91.07
				1	91.07
1503	J OFFSET	105	110	11	104.76
		105	105	3	100.00
				14	103.74
1510	H.W. OFFSET MF STD	106	107	3	100.94
				3	100.94
1533	H W "J" OFFSET	106	107	2	100.94
				2	100.94
2228	CH IMPERIAL BIBLE	112	112	5	100.00
				5	100.00
2239	OFF WHITE LAWYERS OFFSET	110	110	3	100.00
				3	100.00
2513	R.C. VELLUM OPAQUE	110	106	2	96.36
		110	105	5	95.45
				7	95.71
2902	DICKENS OFFSET	110	112	3	101.81
				3	101.81
3501	SCHOOL COTE	105	115	8	109.52
				8	109.52
5200	TABLET INTERCO	110	120	15	109.09
				15	109.09
7101	K WHITE OFFSET	110	105	3	95.45

865267 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
					3	95.45
	7102	K WHITE OFFSET	110	105	5	95.45
					5	95.45
				111		103.36

SA 065268

DAILY PRODUCTION SYSTEM

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03.1980

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
2000	BRITE LITE THIN	105	106	2	100.95
				2	100.95
2009	ROYAL LITE	106	107	4	100.94
				4	100.94
2011	ZONDERLITE 84	105	102	10	97.14
				10	97.14
2210	IMPERIAL BIBLE EF NAT PUB	96	104	3	108.33
		96	96	15	100.00
				18	101.38
2223	NATO TEXT BIBLE 80	106	108	12	101.88
				12	101.88
2412	NATO TEXT BIBLE	105	105	12	100.00
		105	99	5	94.28
				17	98.31
2516	CELLUPAQUE	102	88	25	86.27
				25	86.27
			98		96.05

065269 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
11	2210	IMPERIAL BIBLE EF NAT RUB	96	99	4	103.12
					4	103.12
	2215	NELTEXT - T. NELSON	100	101	20	101.00
					20	101.00
	2426	SHAKESPEARE THIN	102	98	15	96.07
					15	96.07
	6400	CIGARETTE TIPPING - CORK	100	103	3	103.00
			100	101	3	101.00
			100	100	14	100.00
			100	99	12	99.00
					32	100.00
	6700	CRIMPING WRAP	100	100	3	100.00
					3	100.00
	6717	WHITE CRIMPING PAPER	100	100	9	100.00
					9	100.00
	6720	PLUG WRAP	100	100	3	100.00
					3	100.00
				100		99.69

SA 065270

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
526	ELECTROSTATIC -A B DICK	72	70	6	97.22
		72	67	15	93.05
				21	94.24
560	MASTER BASE PAPER II C	72	73	10	101.38
				10	101.38
			70		96.54

SA 065271

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
17	801	LAUREL TEXT	102	104	14	101.96
					14	101.96
	802	LAUREL TEXT	102	123	10	120.58
					10	120.58
	803	LAUREL TEXT	102	118	4	115.68
			102	109	1	106.86
			102	107	2	104.90
			102	101	1	99.01
			102	97	2	95.09
					10	106.85
	806	LAUREL TEXT	102	103	1	100.98
					1	100.98
	821	CAMELIA MATTE	102	108	12	105.88
					12	105.88
	826	CAMELIA MATTE	102	104	1	101.96
					1	101.96
	846	RAM KOTE	102	104	5	101.96
					5	101.96
	873	LIQUID TONER BASE TYPE IV	102	118	2	115.68
			102	116	1	113.72
					3	115.02
	876	ELECTROSTATIC TYPE IV	102	117	14	114.70
			102	116	10	113.72
			102	115	4	112.74
			102	114	4	111.76
			102	111	3	108.82
			102	106	1	103.92
			102	95	3	93.13
					39	111.55
				111		109.27

SR 065272

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 SORT/MERGE 5746-SM2, REL 1, MOD 0, PTF 04,  DATE 04/02/80
)I  OPTION ROUTE=LST                                                    0013
)I  SORT FIELDS=(15,2,A,19,4,A),FORMAT=BI,WORK=1,FILES=2               $SLIR014
)I  RECORD TYPE=F,LENGTH=(80,,80)                                       0015
)I  INPFIL BLKSIZE=4080                                                 0016
)I  OUTFIL BLKSIZE=4080                                                 0017
)I  END                                                                 0018

)I SORT  COMPLETE, IN 2517, OUT 2517.
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SA 865273

SA 065274

**********	START	A4PS61	01535	LAST	01	FEB	80	14.19.37	*****
**********	START	A4PS61	01535	LAST	01	FEB	80	14.19.37	*****
**********	START	A4PS61	01535	LAST	01	FEB	80	14.19.37	*****
**********	START	A4PS61	01535	LAST	01	FEB	80	14.19.37	*****
**********	START	A4PS61	01535	LAST	01	FEB	80	14.19.37	*****
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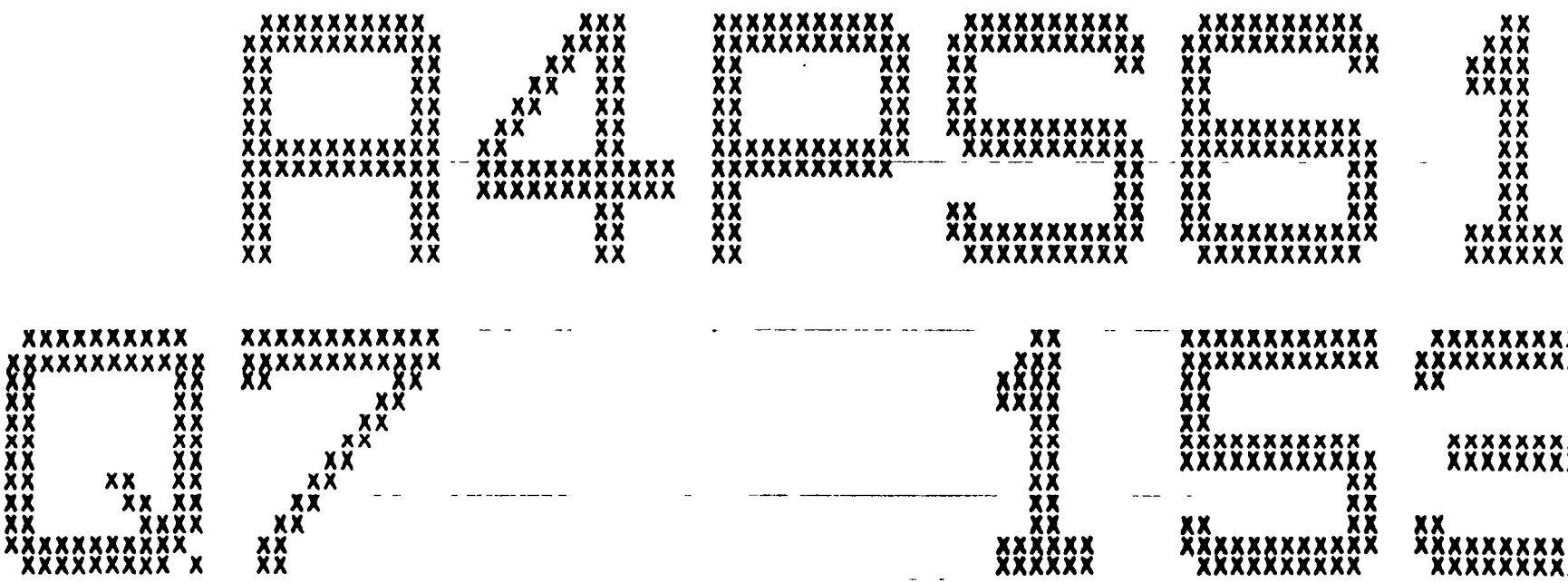
865275 SA



SA 065276

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***  SORT/MERGE 5746-SM2, REL I, MOD 0, PTF 04,   DATE 02/01/80
7800I  OPTION ROUTE=LST                                                    0010
7800I  SORT FIELDS=(15,2,ZD,A,19,4,ZD,A,48,2,PD,D),WORK=1,FILES=1        $SLIR011
7800I  RECORD TYPE=F,LENGTH=(80,,80)                                       0012
7800I  INPFIL BLKSIZE=4080                                                 0013
7800I  OUTFIL BLKSIZE=4080                                                 0014
7800I  END                                                                 0015

7J03I SORT  COMPLETE, IN 889, OUT 889.
```

865277 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
	1400	CW BRITISH OPAQUE - SERVICE OF	112	114	3	101.78
					3	101.78
	1405	M H SPECIAL LIGHT WEIGHT	116	116	5	100.00
					5	100.00
	2009	ROYAL LITE	116	117	40	100.86
					40	100.86
	2104	BRITISH OPAQUE	110	105	2	95.45
					2	95.45
	2204	IMPERIAL BIBLE	110	108	3	98.18
					3	98.18
	2210	IMPERIAL BIBLE EF NAT PUB	96	111	9	115.62
			96	102	1	106.25
					10	114.68
	2240	LAWYERS WHITE OFFSET	110	117	3	106.36
					3	106.36
	2407	SHAKESPEARE THIN	110	120	1	109.09
					1	109.09
	2412	NATO TEXT BIBLE	105	116	6	110.47
					6	110.47
	2513	R.C. VELLUM OPAQUE	110	107	4	97.27
			110	105	9	95.45
					13	96.01
	2514	INTERNATIONAL HARVESTER OPAQUE	105	112	1	106.66
			105	111	4	105.71
			105	105	3	100.00
			105	104	3	99.04
					11	102.42
	3830	WHITE BOOKLITE	102	114	3	111.76
			102	107	1	104.90
					4	110.04
						102.75

SR 065278

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
6	120	ELECTROSTATIC II C R.S.	144	145	15	100.69
					15	100.69
	142	ELECTRO - IIA A B DICK RS	144	145	2	100.69
			144	139	2	96.52
			144	133	11	92.36
					15	94.02
	1533	B W 'J' OFFSET	142	144	2	101.40
			142	140	3	98.59
			142	137	2	96.47
			142	131	1	92.25
					8	97.97
	2513	R.C. VELLUM OPAQUE	140	140	5	100.00
					5	100.00
	2961	BW G OFFSET	142	135	11	95.07
					11	95.07
	3000	SUPERIOR OFFSET	142	140	9	98.59
					9	98.59
	3001	SUPERIOR OFFSET	142	142	3	100.00
			142	138	2	97.18
					5	98.87
	3002	SUPERIOR OFFSET	142	146	1	102.81
			142	137	1	96.47
			142	131	1	92.25
					3	97.17
	3004	SUPERIOR OFFSET	142	143	3	100.70
			142	138	1	97.18
					4	99.82
	7001	SOLAR OFFSET	142	143	2	100.70
					2	100.70
	7100	K WHITE OFFSET	142	142	2	100.00
			142	140	2	98.59
			142	137	1	96.47
					5	98.73
	7102	K WHITE OFFSET	142	144	8	101.40
			142	142	14	100.00
			142	140	8	98.59
			142	138	1	97.18
			142	134	4	94.36

SA 065279

PROGRAM: A4PS34C1 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 02/01/80 DAILY PRODUCTION SYSTEM

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

CH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
			142	130	3	91.54
			142	128	1	90.14
					39	98.44
	7103	K WHITE OFFSET	142	140	3	98.59
					3	98.59
	7104	K WHITE OFFSET	142	140	6	98.59
			142	139	1	97.88
			142	132	3	92.95
					10	96.82
	7105	K WHITE OFFSET	146	140	1	95.89
			146	136	2	93.15
					3	94.06
						97.83

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
7	202	LAUREL TEXT - RS	126	126	12	100.00
					12	100.00
	203	LAUREL TEXT - RS	126	121	1	96.03
			126	120	2	95.23
					3	95.49
	221	CAMELIA MATTE RS	126	122	2	96.82
			126	112	1	88.88
			126	111	10	88.09
					13	89.49
	1203	A.M. PRIDE	128	138	3	107.81
			128	117	6	91.40
			128	110	2	85.93
					11	94.88
	1533	B W 'J' OFFSET	136	125	1	91.91
					1	91.91
	2204	IMPERIAL BIBLE	134	136	1	101.49
			134	128	1	95.52
			134	122	1	91.04
			134	121	4	90.29
					7	92.74
	2231	ALLIED SPECIAL BIBLE	136	124	11	91.17
					11	91.17
	2521	AMERICAN HERITAGE DICTIONARY	136	126	15	92.64
					15	92.64
	2961	BW G OFFSET	142	135	14	95.07
					14	95.07
	7101	K WHITE OFFSET	136	135	5	99.26
			136	134	4	98.52
			136	132	2	97.05
			136	122	3	89.70
					14	96.68
						94.17

865281 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MCH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
1	203	LAUREL TEXT - RS	104	108	1	103.84
			104	107	5	102.88
			104	105	1	100.96
			104	102	4	98.07
			104	101	6	97.11
					17	99.65
	205	LAUREL TEXT R.S.	104	118	3	113.46
					3	113.46
	273	TYPE IV BLADE BASE	124	123	1	99.19
			124	119	2	95.96
			124	112	3	90.32
					6	93.67
	276	TYPE IV BLADE BASE	124	120	5	96.77
			124	119	4	95.96
			124	114	2	91.93
					11	95.59
	1000	Q.P. OFFSET	114	114	2	100.00
					2	100.00
	1203	A.M. PRIDE	120	110	7	91.66
					7	91.66
	1510	B.W. OFFSET MF STD	106	107	2	100.94
					2	100.94
	1533	B W 'J' OFFSET	106	107	1	100.94
					1	100.94
	1903	TENNYSON OFFSET	110	105	4	95.45
					4	95.45
	2407	SHAKESPEARE THIN	110	120	3	109.09
					3	109.09
	2513	R.C. VELLUM OPAQUE	110	110	4	100.00
					4	100.00
	2902	DICKENS OFFSET	110	112	2	101.81
					2	101.81
	2961	BW G OFFSET	142	106	5	74.64
					5	74.64
	3001	SUPERIOR OFFSET	110	114	4	103.63
					4	103.63

SB 065282

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
	3400	END LEAF OFFSET - HI OPAQUE	120	123	2	102.50
			120	119	1	99.16
			120	118	1	98.33
			120	117	1	97.50
			120	114	1	95.00
			120	110	1	91.66
					7	98.09
	6100	WHITE CAP GUN STOCK	108	114	1	105.55
			108	113	2	104.62
					3	104.93
	7100	K WHITE OFFSET	110	92	1	83.63
					1	83.63
	7101	K WHITE OFFSET	110	105	2	95.45
					2	95.45
	7102	K WHITE OFFSET	110	122	1	110.90
			110	120	3	109.09
			110	119	3	108.18
			110	116	1	105.45
			110	115	2	104.54
			110	114	7	103.63
			110	112	2	101.81
			110	110	2	100.00
			110	105	7	95.45
			110	104	2	94.54
			110	96	2	87.27
					32	101.18
	7104	K WHITE OFFSET	110	100	4	90.90
					4	90.90
	7121	BW K OFFSET - ANTIQUE	110	118	4	107.27
			110	112	3	101.81
					7	104.93
						98.46

86528 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

CH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
	202	LAUREL TEXT - RS	104	111	11	106.73
			104	99	2	95.19
					13	104.95
	203	LAUREL TEXT - RS	104	114	1	109.61
			104	108	5	103.84
			104	107	1	102.88
			104	96	3	92.30
					10	100.85
	205	LAUREL TEXT R.S.	104	108	3	103.84
					3	103.84
	221	CAMELIA MATTE RS	104	111	8	106.73
					8	106.73
	253	HWT - NON BLEED R.S.	104	115	4	110.57
					4	110.57
	1503	J OFFSET	105	111	1	105.71
			105	110	9	104.76
					10	104.85
	1800	PRIDE OPAQUE	110	117	3	106.36
					3	106.36
	2102	BRITISH OPAQUE	110	102	2	92.72
					2	92.72
	2104	BRITISH OPAQUE	110	114	4	103.63
					4	103.63
	2202	IMPERIAL BIBLE	110	116	2	105.45
					2	105.45
	2228	CW IMPERIAL BIBLE	112	112	2	100.00
			112	84	2	75.00
					4	87.50
	2504	SOLITUDE OPAQUE	110	107	2	97.27
					2	97.27
	2513	R.C. VELLUM OPAQUE	110	105	17	95.45
					17	95.45
	3001	SUPERIOR OFFSET	110	102	4	92.72
					4	92.72
	3500	SCHOOL COTE	105	119	4	113.33

SA 065284

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
			105	113	1	107.61
					5	112.18
	3502	SCHOOL COTE	105	104	2	99.04
					2	99.04
	3503	SCHOOL COTE	105	114	2	108.57
			105	104	2	99.04
					4	103.80
	7000	CALENDAR PAD OFFSET	110	106	1	96.36
					1	96.36
	7101	K WHITE OFFSET	142	105	6	73.94
					6	73.94
						100.10

365285 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
1	1800	PRIDE OPAQUE	110	110	1	100.00
			105	107	5	101.90
			105	89	3	84.76
					9	95.97
	1803	PRIDE OPAQUE	105	108	2	102.85
			105	105	6	100.00
			105	104	2	99.04
					10	100.37
	1805	ALLIED PRIDE	102	106	3	103.92
			102	105	3	102.94
					6	103.43
	2000	BRITE LITE THIN	105	92	4	87.61
					4	87.61
	2201	IMPERIAL BIBLE	105	108	21	102.85
					21	102.85
	2210	IMPERIAL BIBLE EF NAT PUB	96	87	6	90.62
					6	90.62
	2400	SHAKESPEARE THIN	102	93	9	91.17
					9	91.17
	2412	NATO TEXT BIBLE	105	108	11	102.85
			105	87	2	82.85
					13	99.77
	2503	SOLITUDE OPAQUE	102	106	2	103.92
					2	103.92
	2504	SOLITUDE OPAQUE	102	98	3	96.07
					3	96.07
	2514	INTERNATIONAL HARVESTER OPAQUE	105	104	3	99.04
			105	100	6	95.23
					9	96.50
	3830	WHITE BOOKLITE	102	104	3	101.96
			102	103	6	100.98
			102	89	3	87.25
					12	97.79
						98.05

SA 065286

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
11	1803	PRIDE OPAQUE	105	101	3	96.19
					3	96.19
	1805	ALLIED PRIDE	105	87	7	82.85
					7	82.85
	2204	IMPERIAL BIBLE	102	96	9	94.11
					9	94.11
	2208	NELTEXT BIBLE	101	96	3	95.04
					3	95.04
	6400	CIGARETTE TIPPING - CORK	100	103	10	103.00
			100	101	9	101.00
					19	102.05
	6700	CRIMPING WRAP	100	100	26	100.00
			100	96	4	96.00
					30	99.46
	6717	WHITE CRIMPING PAPER	100	100	11	100.00
					11	100.00
	6723	COMBINER WRAP (ATC)	100	100	6	100.00
					6	100.00
						97.99

865287 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

CM	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
5	510	ELECTROSTATIC IIA	72	73	16	101.38
					16	101.38
	526	ELECTROSTATIC -A B DICK	72	73	2	101.38
			72	70	1	97.22
			72	67	13	93.05
					16	94.35
	533	ELECTROSTATIC - AB DICK	72	70	2	97.22
					2	97.22
	560	MASTER BASE PAPER II C	72	73	10	101.38
					10	101.38
						98.63

SH 865288

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	EFFICIENCY
17	802	LAUREL TEXT	102	126	1	123.52
			102	123	9	120.58
			102	108	6	105.88
			102	96	1	94.11
					17	114.00
	803	LAUREL TEXT	102	118	2	115.68
			102	112	2	109.80
			102	106	1	103.92
			102	105	4	102.94
			102	104	6	101.96
			102	103	1	100.98
			102	100	3	98.03
			102	99	1	97.05
			102	98	3	96.07
			102	96	1	94.11
					24	102.20
	805	LAUREL TEXT	102	118	1	115.68
			102	105	2	102.94
			102	93	2	91.17
					5	100.78
	821	CAMELIA MATTE	102	119	2	116.66
			102	108	8	105.88
			102	104	1	101.96
					11	107.48
	853	H W MASTER - NON BLEED II	102	112	4	109.80
					4	109.80
	873	LIQUID TONER BASE TYPE IV	102	118	1	115.68
			102	117	1	114.70
			102	116	1	113.72
			102	112	3	109.80
			102	110	4	107.84
			102	109	2	106.86
					12	109.88
	876	ELECTROSTATIC TYPE IV	102	117	7	114.70
			102	114	1	111.76
			102	112	2	109.80
					10	113.42
						108.06

SH 865298

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********************    END    A4PS61    01535    LAST                    01 FEB 80    14.21.11    ****
********************    END    A4PS61    01535    LAST                    01 FEB 80    14.21.11    ****
********************    END    A4PS61    01535    LAST                    01 FEB 80    14.21.11    ****
********************    END    A4PS61    01535    LAST                    01 FEB 80    14.21.11    ****
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********************    END    A4PS61    01535    LAST                    01 FEB 80    14.21.11    ****
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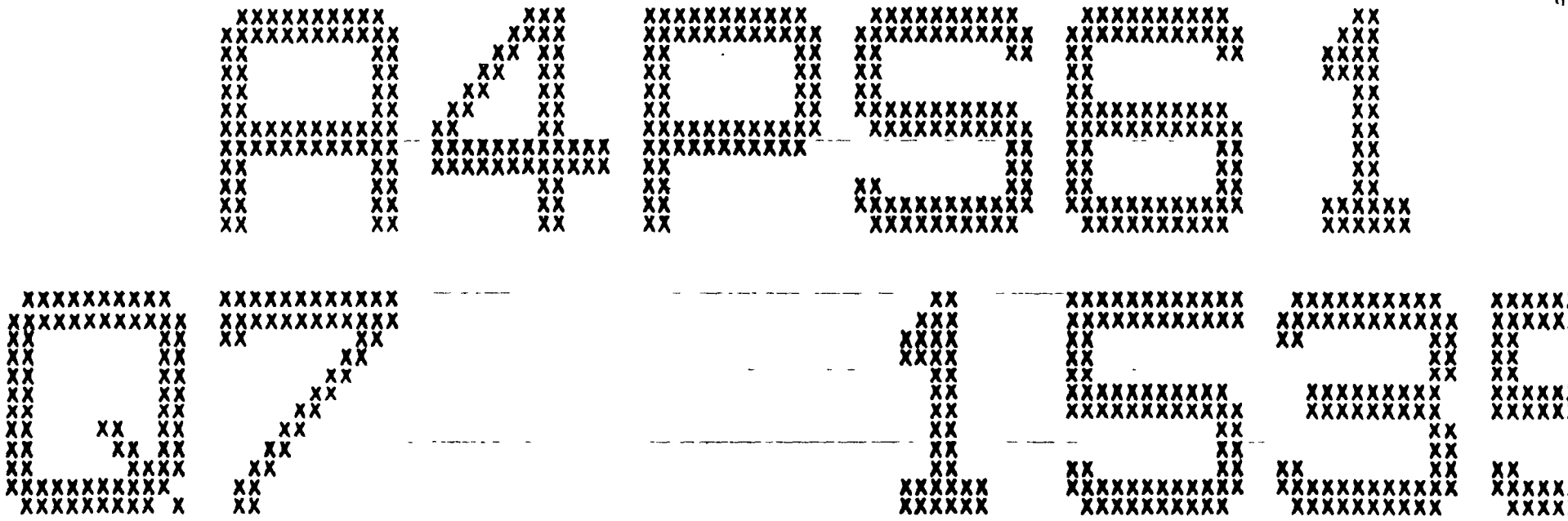
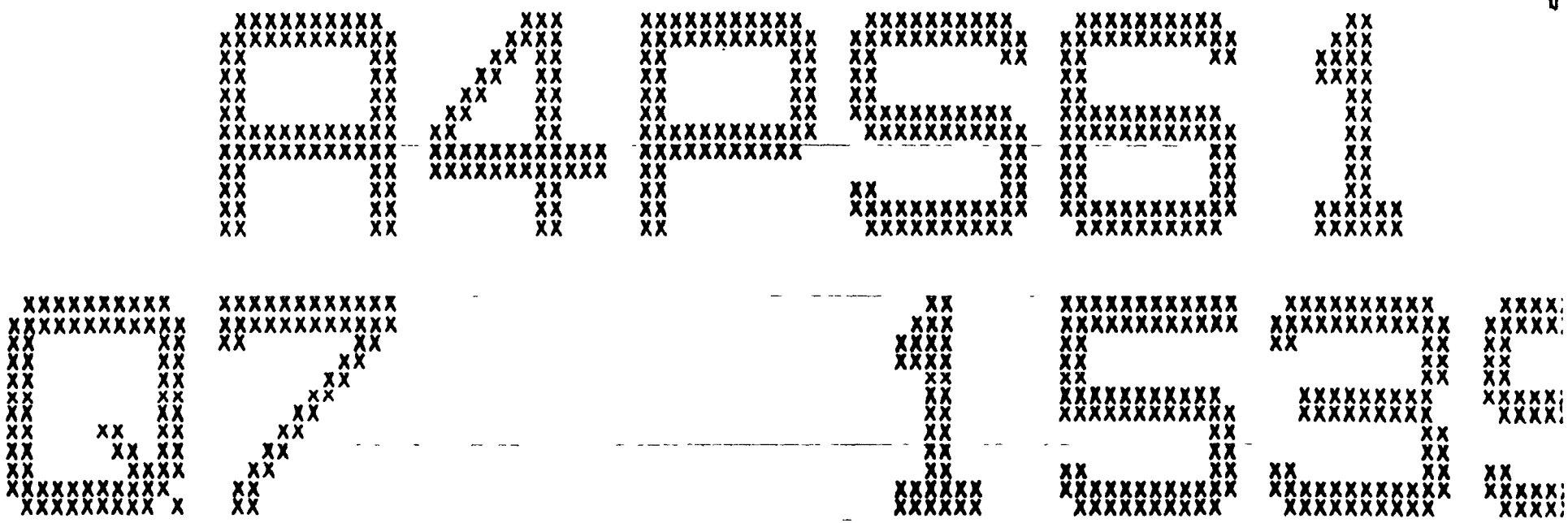
065291
5A





SAMPLE

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**********	START	A4PS61	01539	LAST	01	FEB	80	14.21.39	*****
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**********	START	A4PS61	01539	LAST	01	FEB	80	14.21.39	*****
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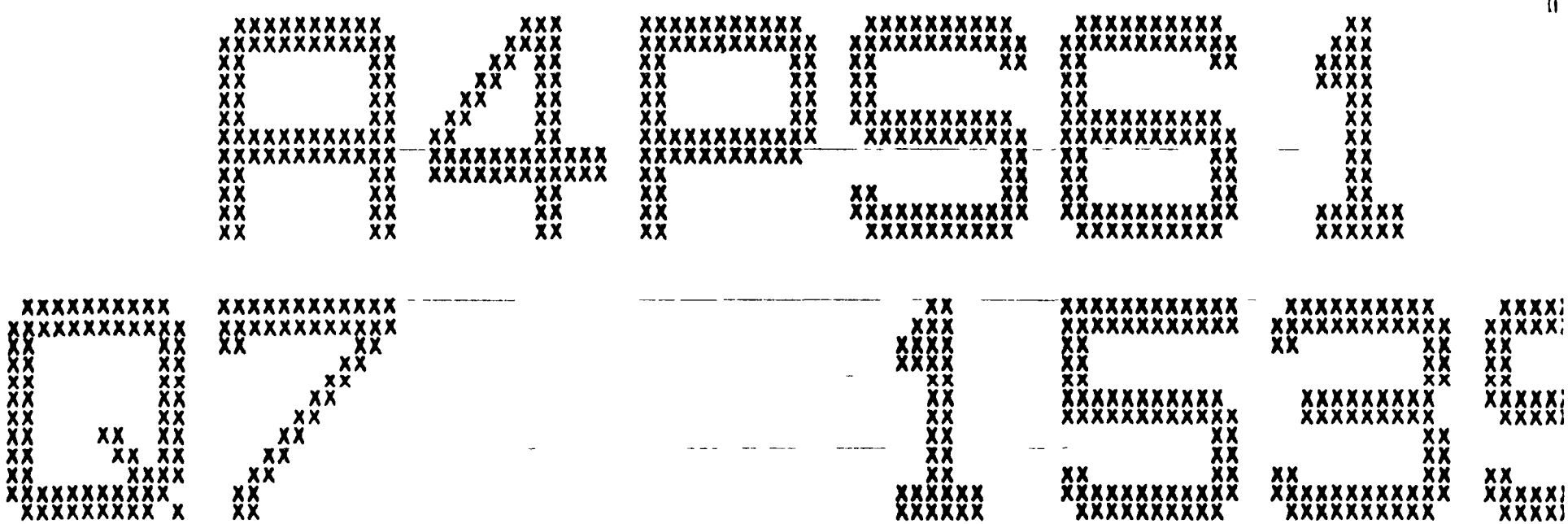
865295 SA



SA 065296

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***  SORT/MERGE 5746-SM2, REL 1, MOD 0, PTF 04,  DATE 02/01/80
7800I  OPTION ROUTE=LST                                                  0013
7800I  SORT FIELDS=(15,2,A,19,4,A),FORMAT=BI,WORK=1,FILES=2             $SLIR014
7800I  RECORD TYPE=F,LENGTH=(80,,80)                                     0015
7800I  INPFIL BLKSIZE=4080                                               0016
7800I  OUTFIL BLKSIZE=4080                                               0017
7800I  END                                                               0018

7J03I SORT  COMPLETE, IN 2182, OUT 2182,
```

065297 SA

PROGRAM: A4PS35C2 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 02/01/80 DAILY PRODUCTION SYSTEM
PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

CW	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME STD	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
	22.00	1400	CW BRITISH OPAQUE -	21.5	19.7	91.62	41771	42130		42130	100.85
	20.00	1405	M H SPECIAL LIGHT WE	34.4	31.5	91.56	62117	55010	2310	52700	84.83
	21.00	2009	ROYAL LITE	308.2	283.5	91.98	590399	532110	33090	499020	84.52
	20.00	2011	ZONDERLITE 84						1400	1400	
	35.00	2104	BRITISH OPAQUE	10.5	9.8	93.33	30458	33450		33450	109.82
	35.00	2204	IMPERIAL BIBLE	13.5	12.2	90.37	39000	40720		40720	104.41
	24.00	2210	IMPERIAL BIBLE EF NA	69.5	62.5	89.92	141427	152440		152440	107.78
	30.00	2239	OFF WHITE LAWYERS OF						2430	2430	
	30.00	2240	LAWYERS WHITE OFFSET	13.7	12.9	94.16	38334	41360	710	40650	106.04
	35.00	2407	SHAKESPEARE THIN	5.3	4.0	75.47	14208	7150		7150	50.32
	21.00	2412	NATO TEXT BIBLE	35.5	30.8	86.76	63593	56900	6720	50180	78.90
	40.00	2513	R.C. VELLUM OPAQUE	70.5	66.2	93.90	207840	225290		225290	108.39
	35.00	2514	INTERNATIONAL HARVES	46.1	45.5	98.69	144210	149530	990	148540	103.00
	40.00	3000	SUPERIOR OFFSET						950	950	
	30.00	3830	WHITE BOOKLITE	24.3	23.5	96.70	66711	70430		70430	105.57
	62.00	120	ELECTROSTATIC II C R	64.2	63.4	98.75	386106	423090		423090	109.57
	55.00	142	ELECTRO - IIA A B DI	86.9	82.9	95.39	414502	455240	1720	453520	109.41
	50.00	1533	B W 'J' OFFSET	35.8	32.2	89.94	216478	225580	6080	219500	101.39
	32.00	1802	ALLIED PRIDE						600	600	
	32.00	2254	EX. WHITE IMPERIAL B								
	40.00	2513	R.C. VELLUM OPAQUE	31.5	31.0	98.41	181411	203080		203080	111.94
	50.00	2961	BW G OFFSET	77.8	76.0	97.68	492480	540210		540210	109.69
	40.00	3000	SUPERIOR OFFSET	66.2	61.8	93.35	350073	371730		371730	106.18
	45.00	3001	SUPERIOR OFFSET	11.1	10.3	92.79	66126	67420	320	67100	101.47
	50.00	3002	SUPERIOR OFFSET	7.3	7.3	100.00	48939	51110		51110	104.43
	55.00	3003	SUPERIOR OFFSET						2730	2730	
	60.00	3004	SUPERIOR OFFSET	15.6	14.4	92.30	100459	100580		100580	100.12
	45.00	7001	SOLAR OFFSET	8.1	7.3	90.12	46348	50640		50640	109.26
	40.00	7100	K WHITE OFFSET	20.2	19.2	95.04	110162	121700		121700	110.47
	50.00	7102	K WHITE OFFSET	153.1	141.5	92.42	953294	1040810	4310	1036500	108.72
	55.00	7103	K WHITE OFFSET	11.6	11.6	100.00	81849	88560		88560	108.19
	60.00	7104	K WHITE OFFSET	39.5	38.6	97.72	260321	295770		295770	113.61
	70.00	7105	K WHITE OFFSET	13.1	12.8	97.70	82759	96660		96660	116.79
	33.00	202	LAUREL TEXT - RS	82.0	77.9	95.00	341570	345560		345560	101.16
	38.00	203	LAUREL TEXT - RS	14.1	13.6	96.45	61400	66420		66420	108.17
	30.00	221	CAMELIA MATTE RS	77.6	65.7	84.66	234476	254320		254320	108.46
	30.00	1203	A.M. PRIDE	60.7	53.5	88.13	204679	188750	29470	159280	77.81
	50.00	1533	B W 'J' OFFSET	5.6	5.4	96.42	28485	32400		32400	113.74
	21.00	2009	ROYAL LITE								
	20.00	2011	ZONDERLITE 84								
	30.00	2202	IMPERIAL BIBLE						2440	2440	
	35.00	2204	IMPERIAL BIBLE	37.5	36.2	96.53	158416	171240		171240	108.09
	35.00	2231	ALLIED SPECIAL BIBLE	87.0	86.1	98.96	382209	434040	1500	432540	113.16
	35.00	2521	AMERICAN HERITAGE DI	115.0	108.1	94.00	487613	545280	5040	540240	110.79
	50.00	2961	BW G OFFSET	97.7	96.0	98.25	622080	600680	22010	578670	93.02
	45.00	7101	K WHITE OFFSET	66.6	65.7	98.64	356258	393455	1160	392295	110.11

SA 865298

PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME STD	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
8	38.00	203	LAUREL TEXT - RS	78.0	73.7	94.48	286848	335130		335130	116.83
8	48.00	205	LAUREL TEXT R.S.	8.9	8.1	91.01	43965	52070		52070	118.43
8	64.00	273	TYPE IV BLADE BASE	22.0	18.1	82.27	67522	84350		84350	124.92
8	60.00	276	TYPE IV BLADE BASE	72.5	54.7	75.44	219828	267020		267020	121.46
8	45.00	1000	Q.P. OFFSET	9.0	8.8	97.77	44541	46620	4140	42480	95.37
8	30.00	1203	A.M. PRIDE	52.0	47.2	90.76	153681	176610	2310	174300	113.41
8	40.00	1503	J OFFSET						1290	1290	
8	45.00	1510	B.W. OFFSET MF STD	8.9	6.6	74.15	31354	35370		35370	112.80
8	50.00	1533	B W 'J' OFFSET	1.7	1.5	88.23	7479	9840		9840	131.56
8	55.00	1903	TENNYSON OFFSET	28.7	27.1	94.42	132599	165700		165700	124.96
8	35.00	2407	SHAKESPEARE THIN	22.8	19.1	83.77	79302	78220		78220	98.63
8	40.00	2513	R.C. VELLUM OPAQUE	18.4	16.7	90.76	72376	82200		82200	113.57
8	50.00	2902	DICKENS OFFSET	8.7	8.5	97.70	43600	46680		46680	107.06
8	50.00	2961	BW G OFFSET	33.6	28.6	85.11	143393	146100	1280	144820	100.99
8	45.00	3001	SUPERIOR OFFSET	26.9	24.7	91.82	126711	108060	3640	104420	82.40
8	80.00	3400	END LEAF OFFSET - HI	15.3	14.7	96.07	78318	77640		77640	99.13
8	60.00	6100	WHITE CAP GUN STOCK	10.0	7.5	75.00	39664	44760		44760	112.84
8	40.00	7100	K WHITE OFFSET	3.3	3.0	90.90	10874	12480		12480	114.76
8	45.00	7101	K WHITE OFFSET	9.3	7.1	76.34	33100	38460		38460	116.19
8	50.00	7102	K WHITE OFFSET	153.8	138.1	89.79	708953	823400	4610	818790	115.49
8	60.00	7104	K WHITE OFFSET	19.8	18.0	90.90	83880	104400	810	103590	123.49
8	45.00	7121	BW K OFFSET - ANTIQU	24.2	22.4	92.56	110632	123340	1100	122240	110.49
9	33.00	202	LAUREL TEXT - RS	86.8	79.1	91.12	292248	354350		354350	121.24
9	38.00	203	LAUREL TEXT - RS	49.2	46.5	94.51	183451	216220		216220	117.86
9	48.00	205	LAUREL TEXT R.S.	13.0	11.2	86.15	53947	46730		46730	86.62
9	30.00	221	CAMELIA MATTE RS	48.8	46.8	95.90	153763	178300		178300	115.95
9	29.00	246	RAM KOTE R.S.						1670	1670	
9	48.00	253	HWT - NON BLEED R.S.	27.5	24.2	88.00	112989	103300	1600	101700	90.00
9	40.00	1503	J OFFSET	67.2	59.0	87.79	245508	280820	14940	265880	108.29
9	30.00	1800	PRIDE OPAQUE	17.1	13.0	76.02	45020	47090	2800	44290	98.37
9	30.00	2102	BRITISH OPAQUE	12.7	11.6	91.33	35022	41200		41200	117.64
9	35.00	2104	BRITISH OPAQUE	21.5	21.1	98.13	80820	97530		97530	120.67
9	30.00	2202	IMPERIAL BIBLE	5.3	3.0	56.60	10300	9450	1090	8360	81.16
9	30.00	2228	CW IMPERIAL BIBLE	16.7	14.7	88.02	39698	41610		41610	104.81
9	35.00	2407	SHAKESPEARE THIN						9555	9555	
9	35.00	2504	SOLITUDE OPAQUE	13.8	10.4	75.36	37389	31800	1580	30220	80.82
9	40.00	2513	R.C. VELLUM OPAQUE	84.6	77.7	91.84	313282	341680	3840	337840	107.83
9	45.00	3001	SUPERIOR OFFSET	24.2	19.2	79.33	84600	96600		96600	114.18
9	50.00	3003	SUPERIOR OFFSET						1420	1420	
9	37.00	3037	CW SUPERIOR OFFSET M								
9	40.00	3500	SCHOOL COTE	22.0	18.6	84.54	90967	66090	10500	55590	61.11
9	50.00	3502	SCHOOL COTE	1.6	1.6	100.00	8019	8480		8480	105.74
9	60.00	3503	SCHOOL COTE	16.8	11.9	70.83	62639	72650	3880	68770	109.78
9	35.00	4504	GRADE NOT FOUND						1520	1520	
9	40.00	7000	CALENDAR PAD OFFSET	3.0	2.5	83.33	10176	12650		12650	124.31
9	45.00	7101	K WHITE OFFSET	25.7	25.5	99.22	119951	128030	1280	126750	105.66
10	30.00	1800	PRIDE OPAQUE	39.5	37.5	94.93	89864	87690	6580	81110	90.25

85299 SA HS

PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1980

CH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME SID	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION SID	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC
)	33.00	1803	PRIDE OPAQUE	48.0	47.8	99.58	121946	96100	1270	94830	77.76
)	35.00	1805	ALLIED PRIDE	37.0	35.4	95.67	81388	83855	6480	77375	95.06
)	20.00	2000	BRITE LITE THIN	15.0	13.2	88.00	21129	22720	3630	19090	90.34
)	19.00	2019	BRITE LITE THIN								
)	28.00	2201	IMPERIAL BIBLE	160.9	153.9	95.64	392251	333225	15094	318131	81.10
)	24.00	2210	IMPERIAL BIBLE EF NA	37.0	35.7	96.48	65221	58500		58500	89.69
)	22.00	2213	ANDERPAQUE BIBLE						600	600	
)	20.00	2400	SHAKESPEARE THIN	62.0	57.4	92.58	92880	103940	2400	101540	109.32
)	21.00	2412	NATO TEXT BIBLE	94.0	86.1	91.59	167769	162645	6130	156515	93.29
)	30.00	2503	SOLITUDE OPAQUE	2.8	2.8	100.00	7300	6430		6430	88.08
)	35.00	2504	SOLITUDE OPAQUE	16.5	16.3	98.78	40892	34360		34360	84.02
)	35.00	2514	INTERNATIONAL HARVES	57.8	57.4	99.30	149022	129765		129765	87.07
)	30.00	3830	WHITE BOOKLITE	83.5	79.6	95.32	200836	200530	1040	199490	99.32
	33.00	1803	PRIDE OPAQUE	12.3	11.7	95.12	33559	25075		25075	74.71
	35.00	1805	ALLIED PRIDE	45.4	45.0	99.11	115881	83080		83080	71.69
	35.00	2204	IMPERIAL BIBLE	47.2	45.6	96.61	101556	96975		96975	95.48
	24.00	2208	NELTEXT BIBLE	18.8	15.4	81.91	28384	25175		25175	88.69
	24.00	2210	IMPERIAL BIBLE EF NA								
	21.50	6400	CIGARETTE TIPPING -	152.0	125.7	82.69	220913	163005	5185	157820	71.43
	16.00	6700	CRIMPING WRAP	224.5	179.4	79.91	303895	247445	2220	245225	80.69
	17.00	6717	WHITE CRIMPING PAPER	79.0	62.0	78.48	111600	109040		109040	97.70
	23.50	6723	COMBINER WRAP (ATC)	46.8	40.3	86.11	79794	61710		61710	77.33
	78.00	211	GRADE NOT FOUND						6600	6600	
	87.50	510	ELECTROSTATIC IIA	123.1	115.5	93.82	478904	458780	3000	455780	95.17
	87.50	513	ELECTROSTATIC II A								
	87.50	518	ELECTROSTATIC II A								
	78.00	526	ELECTROSTATIC -A B D	123.4	109.8	88.97	417155	410710	4300	406410	97.42
	78.00	531	ELECTROSTATIC - AB D								
	78.00	533	ELECTROSTATIC - AB D	9.5	8.3	87.36	32536	31340		31340	96.32
	78.00	535	SPEC X 912 MASTER						5350	5350	
	87.50	560	MASTER BASE PAPER II	80.0	72.0	90.00	298538	310140		310140	103.88
	45.00	802	LAUREL TEXT	110.4	83.0	75.18	792763	747080	7285	739795	93.31
	50.00	803	LAUREL TEXT	95.4	73.9	77.46	706164	675355	9060	666295	94.35
	60.00	805	LAUREL TEXT	21.4	16.8	78.50	189585	144160	4190	139970	73.82
	40.00	821	CAMELIA MATTE	66.2	41.0	61.93	327470	230550	21175	209375	63.93
	55.00	853	H W MASTER - NON BLE	22.1	11.7	52.94	111644	100270	5850	94420	84.57
	87.00	871	DRY TONER BASE TYPE								
	91.00	873	LIQUID TONER BASE TY	71.0	46.0	64.78	728275	163488		163488	22.44
	87.00	876	ELECTROSTATIC TYPE I	56.4	48.9	86.70	839182	277585	925	276660	32.96

SH 8853B

SA 065381

**********	END	A4PS61	01539	LAST		01 FEB 80	14.22.45	********
**********	END	A4PS61	01539	LAST		01 FEB 80	14.22.45	********
**********	END	A4PS61	01539	LAST		01 FEB 80	14.22.45	********
**********	END	A4PS61	01539	LAST		01 FEB 80	14.22.45	********
**********	END	A4PS61	01539	LAST		01 FEB 80	14.22.45	********
**********	END	A4PS61	01539	LAST		01 FEB 80	14.22.45	********
**********	END	A4PS61	01539	LAST		01 FEB 80	14.22.45	********

SH 865302

SA 865303

065305 SA

HAPSEL

BAZ

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******************   START   A4PS61    01540   LAST                    01 FEB 80   14.23.14   ********
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******************   START   A4PS61    01540   LAST                    01 FEB 80   14.23.14   ********
******************   START   A4PS61    01540   LAST                    01 FEB 80   14.23.14   ********
******************   START   A4PS61    01540   LAST                    01 FEB 80   14.23.14   ********
******************   START   A4PS61    01540   LAST                    01 FEB 80   14.23.14   ********
******************   START   A4PS61    01540   LAST                    01 FEB 80   14.23.14   ********
******************   START   A4PS61    01540   LAST                    01 FEB 80   14.23.14   ********
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SA 065306

SA 055307

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  SORT/MERGE 5746-SM2, REL 1, MOD 0, PTF 04;  DATE 02/01/80
)0I  OPTION ROUTE=LST                                                    0010
)0I  SORT FIELDS=(15,2,A,17,1,A),FORMAT=BI,WORK=1,FILES=1              $SLIR011
)0I  RECORD TYPE=F,LENGTH=(80,,80)                                       0012
)0I  INPFIL BLKSIZE=4080                                                 0013
)0I  OUTFIL BLKSIZE=4080                                                 0014
)0I  END                                                                 0015

)3I SORT  COMPLETE, IN 889; OUT 889.
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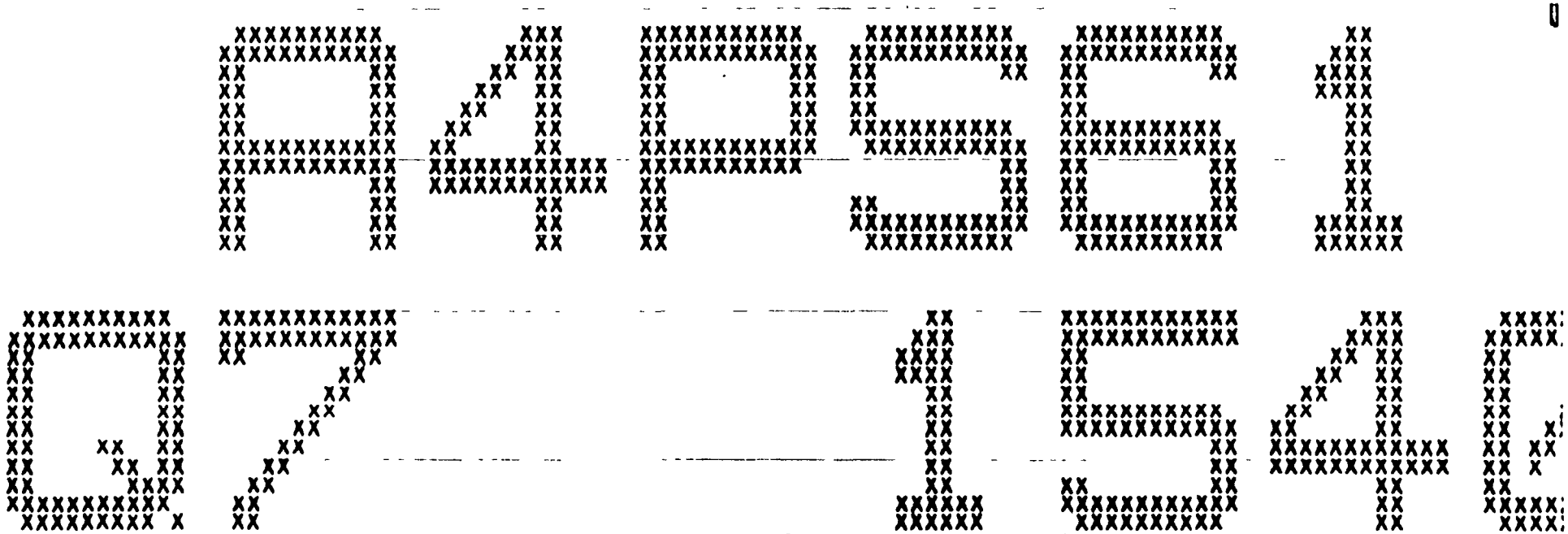
SA 865308

PROGRAM: A4PS36C1 — S C M A L L I E D P A P E R I N C. — PAGE 1
RUN DATE: 02/01/80 — DAILY PRODUCTION SYSTEM
PRODUCTION EFFICIENCY BY SHIFT THRU WEEK 4 OF MONTH 01,1980

MACH	SHIFT	RUN TIME STD	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
5	1	208.0	188.5	90.62	451926	425270		425270	94.10
5	2	221.0	203.3	91.99	487549	467460		467460	95.87
5	3	224.0	210.3	93.88	500593	513790		513790	102.63
6	1	208.0	196.8	94.61	1228056	1324590		1324590	107.86
6	2	210.0	204.4	97.33	1272515	1413600		1413600	111.08
6	3	224.0	209.1	93.34	1290736	1393990		1393990	107.99
7	1	202.3	193.5	95.65	915705	940890		940890	102.75
7	2	218.0	203.4	93.30	965810	1038920		1038920	107.56
7	3	223.5	211.3	94.54	995671	1052335		1052335	105.69
8	1	202.8	182.2	89.84	823925	941250		941250	114.23
8	2	209.0	181.7	86.93	826313	934520		934520	113.09
8	3	216.0	190.3	88.10	868382	982680		982680	113.16
9	1	166.9	140.9	84.42	546515	598790		598790	109.56
9	2	190.6	176.1	92.39	715764	772500		772500	107.92
9	3	200.0	180.6	90.30	717510	803290		803290	111.95
10	1	209.5	197.0	94.03	448491	424255		424255	94.59
10	2	220.5	210.6	95.51	484426	427430		427430	88.23
10	3	224.0	215.5	96.20	497581	468075		468075	94.07
11	1	196.0	161.8	82.55	305797	230945		230945	75.52
11	2	214.0	180.3	84.25	341315	281150		281150	82.37
11	3	216.0	183.0	84.72	348470	299410		299410	85.92
15	1	168.0	154.2	91.78	620063	602720		602720	97.20
15	2	168.0	151.4	90.11	607070	608250		608250	100.19
17	1	156.6	107.8	68.83	1255404	851820		851820	67.85
17	2	148.7	113.1	76.05	1297134	816250		816250	62.92
17	3	137.6	100.4	72.96	1142545	670418		670418	58.67

065309 SA



SA 065310

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********************    END    A4PS61     01540    LAST                    01 FEB 80    14.23.37    *****
********************    END    A4PS61     01540    LAST                    01 FEB 80    14.23.37    *****
********************    END    A4PS61     01540    LAST                    01 FEB 80    14.23.37    *****
********************    END    A4PS61     01540    LAST                    01 FEB 80    14.23.37    *****
********************    END    A4PS61     01540    LAST                    01 FEB 80    14.23.37    *****
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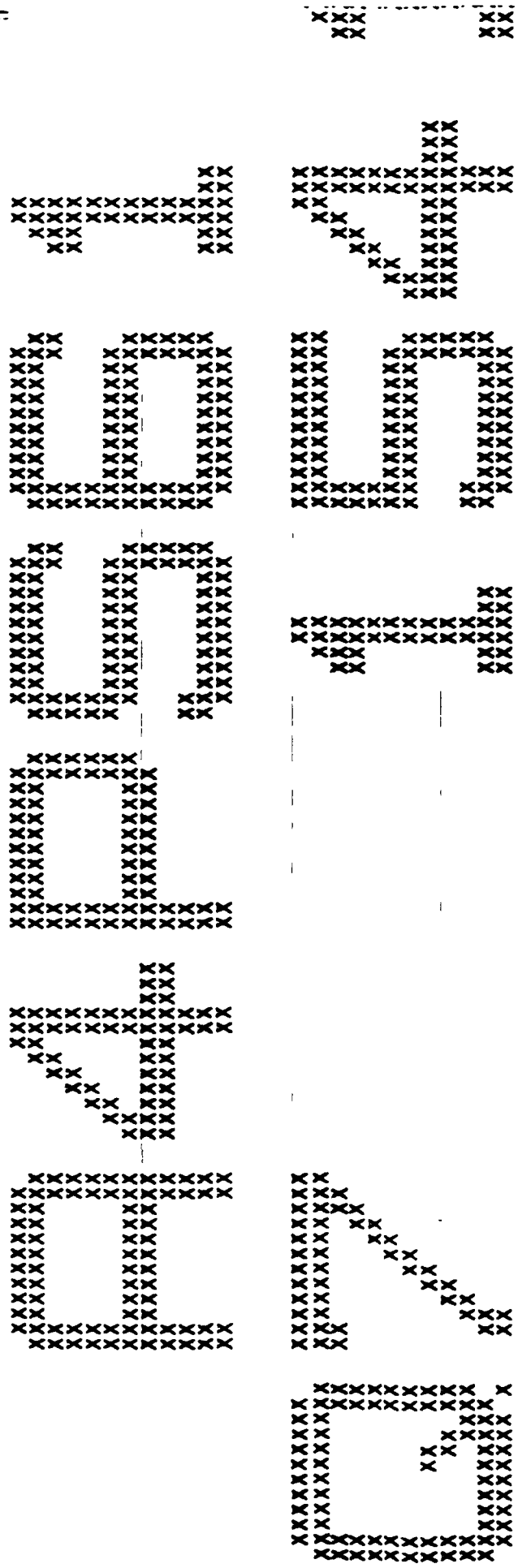
065311 5A

SA 065312



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********************   START   A4PS61    01541   LAST                    01 FEB 80   14.24.23   *****
********************   START   A4PS61    01541   LAST                    01 FEB 80   14.24.23   *****
********************   START   A4PS61    01541   LAST                    01 FEB 80   14.24.23   *****
********************   START   A4PS61    01541   LAST                    01 FEB 80   14.24.23   *****
********************   START   A4PS61    01541   LAST                    01 FEB 80   14.24.23   *****
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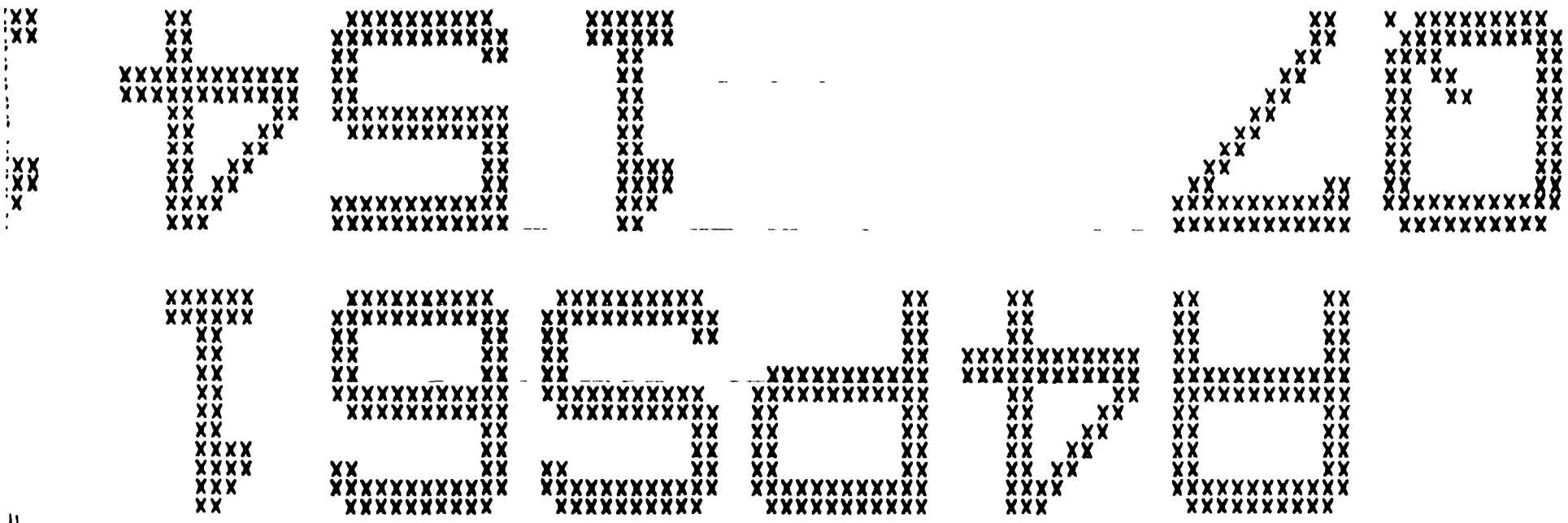
SA 065315



SA 065316

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***  SORT/MERGE 5746-SM2, REL 1, MOD 0, PTF 04,  DATE 02/01/80
7800I  OPTION ROUTE=LST                                                    0010
7800I  SORT FIELDS=(15,2,ZD,A,50,3,PD,A),WORK=I,FILES=1                    $SLIR011
7800I  RECORD TYPE=F,LENGTH=(80,,80)                                       0012
7800I  INPFIL BLKSIZE=4080                                                 0013
7800I  OUTFIL BLKSIZE=4080                                                 0014
7800I  END                                                                 0015

7J03I SORT  COMPLETE, IN 889, OUT 889.
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865317 SA

PRODUCTION EFFICIENCY BY SPEED THRU WEEK 4 OF MONTH 01,1980

CM	SPEED	RUN TIME STD	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
		3.0	1.0	33.33	3188	4210		4210	132.05
	300	8.0	7.7	96.25	16036	15610		15610	97.34
	550	8.0	8.0	100.00	25032	26520		26520	105.94
	570	46.7	46.4	99.35	145185	155540		155540	107.13
	580	20.8	18.3	87.98	54818	64360		64360	117.40
	600	84.6	78.9	93.26	240962	240330		240330	99.73
	620	144.0	136.2	94.58	283642	278610		278610	98.22
	630	10.5	9.8	93.33	30458	33450		33450	109.82
	640	96.0	89.2	92.91	185762	181110		181110	97.49
	650	77.5	70.0	90.32	157330	166950		166950	106.11
	660	96.0	86.8	90.41	191990	181490		181490	94.53
	680	57.9	49.8	86.01	105665	58340		58340	55.21
	500	146.1	143.5	98.22	786755	864950		864950	109.93
	520	5.0	2.8	56.00	13853	13380		13380	96.58
	550	13.1	12.8	97.70	82759	96660		96660	116.79
	620	28.4	27.2	95.77	187012	199890		199890	106.88
	630	16.6	16.1	96.98	110446	127800		127800	115.71
	650	9.9	9.9	100.00	69854	75390		75390	107.92
	670	9.7	9.7	100.00	63739	71070		71070	111.50
	700	11.6	8.3	71.55	56653	55540		55540	98.03
	710	142.5	135.4	95.01	890436	959490		959490	107.75
	720	131.7	124.4	94.45	771198	835720		835720	108.36
	725	27.0	25.5	94.44	173499	190580		190580	109.84
	730	3.5	3.0	85.71	18720	17940		17940	95.83
	740	41.8	38.4	91.86	255304	278170		278170	108.95
	750	14.5	13.4	92.41	78106	85800		85800	109.85
	780	40.6	39.9	98.27	232973	259800		259800	111.51
	600	24.0	24.0	100.00	155520	144360		144360	92.82
	610	20.3	19.8	97.53	121797	123730		123730	101.58
	620	24.0	23.8	99.16	154224	150780		150780	97.76
	640	46.7	45.3	97.00	282987	279810		279810	98.87
	660	6.0	6.0	100.00	33372	35490		35490	106.34
	680	48.9	48.2	98.56	258923	292365		292365	112.91
	700	14.1	13.6	96.45	61400	66420		66420	108.17
	740	16.0	16.0	100.00	59528	63540		63540	106.73
	750	106.3	98.3	92.47	388918	381160		381160	98.00
	760	270.3	253.9	93.93	1124815	1243460		1243460	110.54
	770	19.2	18.1	94.27	78902	84510		84510	107.10
	780	48.0	41.2	85.83	156800	166520		166520	106.19
	400	15.3	14.7	96.07	78318	77640		77640	99.13
	430	7.5	7.5	100.00	29058	35980		35980	123.82
	480	87.0	65.3	75.05	258292	315390		315390	122.10
	600	4.5	3.7	82.22	17242	20040		20040	116.22
	630	10.0	7.5	75.00	39664	44760		44760	112.84
	700	68.0	62.6	92.05	306774	359090		359090	117.05
	710	22.5	21.0	93.33	111397	130390		130390	117.04

SP 865318

PRODUCTION EFFICIENCY BY SPEED THRU WEEK 4 OF MONTH 01,1980

MACH	SPEED	RUN TIME STD	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
8	720	31.0	30.7	99.03	160288	191340		191340	119.37
8	730	6.6	3.6	54.54	17312	20420		20420	117.95
8	740	94.3	81.3	86.21	407410	467920		467920	114.85
8	750	111.9	104.8	93.65	504343	527540		527540	104.59
8	770	109.2	98.8	90.47	413748	471830		471830	114.03
8	780	60.0	52.7	87.83	174774	196110		196110	112.20
9	60	8.0	7.8	97.50	28917	34970		34970	120.93
9	540	8.0	7.5	93.75	35017	36350		36350	103.80
9	590	19.5	16.7	85.64	77972	66950		66950	85.86
9	610	6.1	5.7	93.44	28572	31560		31560	110.45
9	650	13.3	8.7	65.41	46276	54210		54210	117.14
9	680	14.0	11.8	84.28	57653	39390		39390	68.32
9	700	20.0	17.1	85.50	83071	68790		68790	82.80
9	725	24.2	19.2	79.33	84600	96600		96600	114.18
9	735	8.0	6.3	78.75	21818	24890		24890	114.08
9	740	6.4	6.2	96.87	28123	27000		27000	96.00
9	750	133.9	121.2	90.51	476935	513890		513890	107.74
9	760	212.6	192.8	90.68	768743	904220		904220	117.62
9	770	68.6	64.7	94.31	211558	241420		241420	114.11
9	780	14.9	11.9	79.86	30534	34340		34340	112.46
10	460	69.5	66.8	96.11	164447	146390		146390	89.01
10	480	80.5	79.6	98.88	199076	181900		181900	91.37
10	500	15.1	15.1	100.00	40165	33820		33820	84.20
10	520	176.9	168.9	95.47	427785	357085		357085	83.47
10	540	17.5	17.5	100.00	41194	45410		45410	110.23
10	560	91.0	86.1	94.61	216172	214480		214480	99.21
10	620	17.0	16.5	97.05	30144	28220		28220	93.61
10	640	4.0	4.0	100.00	7308	5610		5610	76.76
10	660	8.0	7.7	96.25	15301	13660		13660	89.27
10	670	8.0	7.5	93.75	13702	13750		13750	100.35
10	700	166.5	153.4	92.13	275204	279435		279435	101.53
11	480	93.2	91.3	97.96	226498	182465		182465	80.55
11	500	8.0	8.0	100.00	17817	17265		17265	96.90
11	520	32.0	22.9	71.56	40920	32670		32670	79.83
11	540	24.0	22.4	93.33	44352	38120		38120	85.94
11	550	8.0	7.0	87.50	12160	5480		5480	45.06
11	570	144.0	120.0	83.33	210040	173710		173710	82.70
11	580	8.0	7.8	97.50	14376	12610		12610	87.71
11	600	38.8	29.6	76.28	56148	40715		40715	72.51
11	620	10.8	9.1	84.25	16257	8140		8140	50.07
11	650	24.0	13.5	56.25	23930	21350		21350	89.21
11	700	235.2	193.5	82.27	333084	278980		278980	83.75
15		336.0	305.6	90.95	1227133	1210970		1210970	98.68
17		442.9	321.3	72.54	3695083	2338488		2338488	63.28

865319 SA

PRODUCTION EFFICIENCY BY SPEED THRU WEEK 4 OF MONTH 01,1980

.H SPEED	---- RUN TIME ----			---------- PRODUCTION ----------				
	STD	ACT	EFFIC	STD	WINDER	OFF-Q	ACT	EFFIC

58 865320

865321 SA

**********	END	A4PS61	01541	LAST		01 FEB 80	14.25.06	********
**********	END	A4PS61	01541	LAST		01 FEB 80	14.25.06	********
**********	END	A4PS61	01541	LAST		01 FEB 80	14.25.06	********
**********	END	A4PS61	01541	LAST		01 FEB 80	14.25.06	********
**********	END	A4PS61	01541	LAST		01 FEB 80	14.25.06	********
**********	END	A4PS61	01541	LAST		01 FEB 80	14.25.06	********
**********	END	A4PS61	01541	LAST		01 FEB 80	14.25.06	********
**********	END	A4PS61	01541	LAST		01 FEB 80	14.25.06	********

SA 065322

	WGHT	CODE	GRADE NAME	AVAIL	ACT	EFFIC	STD	WINDER	OFF-G	ACT	EFFIC	EF
5	38.00	1108	RAM TEXT VELLUM.									
5	25.00	1401	BRITISH OPAQUE - SE						1230	1230-		
5	35.00	1805	ALLIED PRIDE						940	940-		
5	38.00	1832	B-W-SPECIAL-PRIDE	14.0	13.7	106.75	38697	45000	- - -	45800	116.29	
5	28.00	2101	BRITISH OPAQUE	14.5	14.0	105.33	38572	41200		41200	106.81	
5	30.00	2240	LAWYERS WHITE OFFSE	103.6	96.1	101.19	282422	263680	12080	251600	89.09	
5	35.00	2241	LAWYERS OFFSET	76.0	72.8	104.80	212978	227160	6760	220400	103.48	
5	35.00	2407	SHAKESPEARE THIN	8.0	7.5	102.27	20700	23940		23940	115.65	
5	20.00	2420	SPEC. SHAKESPEARE T	104.0	96.6	101.33	172386	169110		169110	98.10	
5	33.00	2508	SOLITUDE OPAQUE	10.5	8.1	84.16	24804	21090	1050	20040	80.79	
5	35.00	2514	INTERNATIONAL HARVE	14.5	13.6	102.32	39969	44710		44710	111.86	
5	20.00	2540	A P-LIGHT WEIGHT						9444	9444-		
5	21.00	2541	A P LIGHTWEIGHT TY	426.5	400.7	102.49	799391	903540	15530	888010	111.09	
5	30.00	2543	A.P. LIGHTWEIGHT	7.0	6.8	105.97	18451	17030		17030	92.30	
5	35.00	2545	A.P. LIGHTWEIGHT	20.1	19.9	108.01	57794	70840		70840	122.57	
5	26.00	2649	A.P. LIGHTWEIGHT	23.9	22.9	104.83	58439	51660		61660	88.40	
5	40.00	7100	K WHITE OFFSET									
5	35.00	9600	TRIAL RUNS									
	26.70		MACH TOTAL 1.09091	822.6	772.2	102.47	1764603	1878960	47034	1831926	103.82	106
6	45.00	1000	O.P. OFFSET	47.3	45.6	105.17	299953	303160	7510	295650	98.57	
6	40.00	1206	SPEC A.M. PRIDE	43.4	40.1	100.80	225269	214880	6485	208395	92.51	
6	45.00	1207	A.M.PRIDE	47.0	38.1	88.43	247815	254510	1730	252780	102.00	
6	50.00	1208	A.M. PRIDE	79.9	69.3	94.62	492128	498420		498420	101.28	
6	35.00	1209	A.M. PRIDE	6.0	6.0	109.89	45696	45700		45700	100.01	
6	40.00	1210	GENERIC OFFSET	40.8	37.8	101.07	277091	303635	9170	294468	106.27	
6	35.00	2204	IMPERIAL BIBLE	22.0	18.2	90.28	80534	83570	- - -	83570	103.77	
6	50.00	2507	SOLITUDE OPAQUE	25.0	23.1	100.80	167537	165600		165600	98.84	
6	40.00	2535	MANUAL OFFSET	18.7	15.8	92.17	93281	99800	1040	98760	105.87	
6	50.00	2536	I B M MANUAL	26.2	22.4	93.27	152346	159330	2320	157010	103.06	
6	35.00	2545	A.P. LIGHTWEIGHT	53.0	44.4	91.39	217755	213760	5870	207890	95.47	
6	40.00	2870	C W ALCOTT M F	37.8	36.5	105.34	193047	203080		203080	105.20	
6	50.00	3030	B W DAY TIMERS OPAQ	32.2	30.8	104.35	214701	202950	5460	197490	91.98	
6	40.00	7100	K WHITE OFFSET	25.1	17.2	74.76	101924	89690	1180	88510	86.84	
6	80.00	7102	K WHITE OFFSET	58.4	55.1	103.93	395030	390910	2280	388630	98.38	
6	55.00	7103	K WHITE OFFSET	4.5	4.2	101.82	31987	27740		27740	86.72	
6	60.00	7104	K WHITE OFFSET	8.4	7.1	92.21	52462	48720	630	48090	91.63	
6	40.00	7120	B W K OFFSET - ANTI	24.3	23.2	104.15	131210	147600	1070	146530	111.68	
6	45.00	7121	B.W. K OFFSET - ANT	10.5	9.9	102.86	63756	57630		57630	90.39	
6	85.00	7123	BW K OFFSET - ANTIQ	27.0	25.1	101.41	180598	173520		173520	96.08	
6	55.00	7132	C W HI BULK OFFSET	14.5	12.5	94.04	95200	80700		80700	84.77	
6	50.00	7202	RAVENSWOOD OPAQUE	67.3	57.0	92.40	410378	438750	6060	432690	105.44	
6	26.50	9602	BLUE-PAPER DD371388	85.0	77.9	99.98	320169	268770	4290	264480	82.61	
	46.37		MACH TOTAL 1.09091	804.3	717.3	97.29	4489887	4472425	55095	4417330	98.38	98

SA 865324

RUN DATE: 10/01/86
RUN TIME: 133023

DAILY PRODUCTION SYSTEM
PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1986

	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC	E
	40.25		MILL C DIAL	1626.9	1490.8	99.91	6254490	6351388	102129	6249256	99.92	9
7	30.00	1100	BW RANTEXT NEW SHAD	409.2	384.1	94.40	1663131	1597810	8450	1589060	98.55	
7	40.00	1206	SPEC A.M. PRIDE	37.3	27.1	79.26	163833	137850		137850	84.14	
7	50.00	1208	A.M. PRIDE						900	-900-		
7	20.00	2000	BRITE LITE THIN						2460	-2460-		
7	24.00	2210	C W IMPERIAL BIBLE	166.8	155.9	101.96	630801	521780	4400	517380	97.47	
7	21.00	2541	A P LIGHTWEIGHT TY	164.9	151.5	100.23	413854	357450	7680	349770	84.52	
7	35.00	2548	A.P. LIGHTWEIGHT						1750	-1750-		
7	35.00	3838	WHITE BOOK LITE						2700	-2700-		
7	50.00	7102	K WHITE OFFSET	14.2	14.2	109.09	99781	109150		109150	109.39	
7	40.00	9070*	HOT SPOT CARBONIZIN									
7	38.00	9800	TRIAL RUNS									
	28.98		MACH SUBTOTAL	792.4	702.8	96.76	2871400	2723740	28340	2695400	93.87	
			*MACH SUBTOTAL 33					1368				
	28.98		MACH TOTAL 1.09091	792.4	702.8	96.76	2871400	2723740	28340	2695400	93.87	
8	45.00	1000	O.P. OFFSET	12.1	11.8	106.39	62685	59620	4400	55220	88.09	
8	30.00	1203	A.M. PRIDE	9.0	6.7	81.21	23961	9700		9700	40.48	
8	40.00	1206	SPEC A.M. PRIDE	14.9	13.6	99.57	58547	59870		59870	102.26	
8	45.00	1207	A.7 PRIDE	16.8	16.7	108.44	92522	87830		87830	94.93	
8	50.00	1208	A.M. PRIDE	45.0	43.5	105.45	245952	252290	2020	250270	101.76	
8	55.00	1209	A.M. PRIDE	36.5	36.1	107.90	216721	243490		243490	112.35	
8	60.00	1210	GENERIC OFFSET	59.1	57.6	106.32	344962	377675		377675	109.48	
8	70.00	1211	GENERIC OFFSET	16.7	14.8	96.68	85281	103350		103350	121.19	
8	30.00	1840	SPEC ALLIED PRIDE	9.8	6.3	72.34	17388	15490		15490	89.08	
8	60.00	1904	JENNYSON OFFSET	33.6	31.9	103.57	196629	210090	2300	207790	105.68	
8	60.00	2904	DICKENS OFFSET	29.9	27.3	99.60	166763	183320	1480	181840	109.04	
8	40.00	3000	SUPERIOR OFFSET	4.1	3.7	98.45	17445	14150	890	13260	76.01	
8	45.00	3001	SUPERIOR OFFSET	18.5	17.0	100.25	98232	102490		102490	104.33	
8	50.00	3002	SUPERIOR OFFSET	18.6	17.4	102.05	109058	126240		126240	115.75	
8	70.00	3005	SUPERIOR OFFSET	33.2	31.3	102.85	173502	196200	2670	193530	111.54	
8	40.00	7100	K WHITE OFFSET	27.1	23.8	95.81	109615	120320	1000	119320	108.85	
8	45.00	7101	K WHITE OFFSET	6.3	6.1	105.63	31062	35320		35320	113.71	
8	50.00	7102	K WHITE OFFSET	159.5	149.7	102.39	887607	953460	1020	952440	107.30	
8	55.00	7103	K WHITE OFFSET	8.1	8.1	109.09	51516	61080		61080	118.57	
8	60.00	7104	K WHITE OFFSET	65.6	64.2	106.76	389738	432920	2390	430530	110.47	
8	70.00	7105	K WHITE OFFSET	4.4	4.4	109.09	27627	32700		32700	118.36	
8	80.00	7107	K WHITE OFFSET	7.0	7.0	109.09	39826	40350		40350	101.32	
8	99.99	7109	BW K OFFSET	32.2	31.8	107.74	159921	195210		195210	122.07	
8	50.00	7122	B W K OFFSET - ANTI	27.8	24.2	94.96	139948	153470		153470	109.66	
8	55.00	7123	BW K OFFSET - ANTIQ	23.0	19.9	94.39	116014	121850	994	120856	104.17	
8	60.00	7124	B W K OFFSET ANTIQU	33.8	32.8	108.43	204315	232800		232800	113.94	
8	70.00	7125	BW K OFFSET - ANTIQ	5.7	5.4	103.35	34479	41720		41720	121.00	
8	40.00	7200	RAVENSWOOD OPAQUE	10.8	10.0	109.09	43876	48170		48170	109.79	
8	45.00	7201	RAVENSWOOD OPAQUE	7.5	6.8	98.91	33625	37770		37770	112.33	

SD 055325

RUN DATE: 10/31/84 DAILY PRODUCTION SYSTEM

PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09/1984

	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC	
9	50.00	7203	RAVENSWOOD OPAQUE	36.4	36.0	107.44	143184	153840		153840	106.24	
9	45.00	7204	RAVENSWOOD OPAQUE	2.8	2.8	109.09	17001	9360		9360	88.86	
9	40.00	9600	TRIAL RUNS									
	56.47		MACH TOTAL 1.09091	803.7	758.5	102.96	4338922	4710345	19164	4691181	108.12	11
9	45.00	1000	Q.P. OFFSET	136.2	131.0	104.93	677993	736945		736945	108.70	
9	30.00	1100	BW RANTEXT NEW SHAD									
9	35.00	1205	A.M. PRIDE	23.3	18.7	87.65	61498	40300		40300	65.53	
9	40.00	1206	SPEC A.M. PRIDE	67.5	56.3	90.99	238519	231660		231660	97.12	
9	45.00	1207	A.M. PRIDE	32.8	30.4	102.04	182888	148000		148000	96.80	
9	50.00	1208	A.M. PRIDE	135.3	128.2	103.37	680253	701735	2790	698945	102.75	
9	60.00	1210	GENERIC OFFSET	14.0	14.0	109.09	78568	75700	1080	74660	98.01	
9	70.00	1211	GENERIC OFFSET	15.7	10.2	70.87	63965	70250		70250	109.83	
9	35.00	1805	ALLIED PRIDE	3.2	3.2	109.09	11760	12570		12570	106.89	
9	40.00	1810	BW PRIDE OPAQUE	10.3	8.0	84.73	38027	36760		36760	96.67	
9	60.00	1826	ALLIED PRIDE	4.2	4.0	103.90	22387	24420		24420	109.08	
9	43.00	2243	LAWYERS OFFSET	14.7	12.0	89.08	60969	56140		56140	92.08	
9	30.00	2503	SOLITUDE OPAQUE	20.6	19.6	104.85	69549	74100		74100	124.44	
9	60.00	2510	SOLITUDE OPAQUE	2.9	2.9	109.09	17017	18900		18900	111.07	
9	40.00	2535	MANUAL OFFSET									
9	50.00	2536	I B M MANUAL	33.5	31.3	101.93	166113	186480		186480	112.26	
9	30.00	2543	A.P. LIGHTWEIGHT	8.1	5.9	79.46	20523	11440		11440	55.74	
9	35.00	2545	A.P. LIGHTWEIGHT	39.6	37.6	103.58	140513	143850		143850	102.37	
9	35.00	3535	RANKOTE II	101.3	96.0	103.38	337483	362060	42100	319960	94.82	
9	35.00	3838	WHITE BOOK LITE	12.3	10.1	89.58	37117	43140		43140	116.23	
9	40.00	7000	CALENDAR PAD OFFSET	32.3	27.8	93.89	129936	154080		154080	118.58	
9	40.00	7100	K WHITE OFFSET	10.8	9.7	100.78	42249	45920		45920	108.69	
9	40.00	7200	RAVENSWOOD OPAQUE	7.5	6.9	100.36	30454	33410	700	32710	107.41	
9	45.00	7201	RAVENSWOOD OPAQUE	27.7	16.7	65.77	83210	69480	1450	68030	81.76	
9	50.00	7202	RAVENSWOOD OPAQUE	17.4	15.0	94.04	82979	100350		100350	120.93	
9	68.50	9029*	SATURATED GRAVURE B	29.5	26.5	98.00	114307	131530	7330	124200	108.65	
9	40.00	9036*	SATURATED LABEL BAS	5.4	2.5	50.51	8292	20020		20020	241.44	
9	44.00	9038*	SATURATED LABEL BAS	4.3	4.3	109.09	15734	20460		20460	130.04	
9	40.00	9600	TRIAL RUNS									
	44.87		MACH SUBTOTAL	770.6	695.7	98.49	3233940	3377690	48090	3329600	102.96	10
	62.27		*MACH SUBTOTAL	39.2	33.3	92.67	138333	172010	7330	164680	119.05	11
	45.43		MACH TOTAL 1.09091	809.8	729.0	98.21	3372273	3549700	55420	3494280	103.62	10
	48.83		MILL D SUBTOTAL	2366.7	2187.0	99.43	10444262	10811775	95594	10716181	102.60	10
	62.27		*MILL D SUBTOTAL	39.2	33.3	92.67	138333	172010	7330	164680	119.05	11
	46.09		MILL D TOTAL	2406.9	2190.3	99.32	10582595	10983788	102924	10880861	102.82	10
	43.77		BOOK MILL SUBTOT	3993.6	3647.0	99.62	16698752	17163160	197723	16965437	101.60	10
	62.27		*BOOK MILL SUBTOT	39.2	33.3	92.67	138333	172010	7330	164680	119.05	11

SB 865328

RUN DATE: 10/01/86
RUN TIME: 133823

DAILY PRODUCTION SYSTEM
PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09.1986

	BASIS WGHT	GRDE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC	MA EFI
	43.98		BOOK MILL TOTAL	4032.83680.3		99.56	16837085	17335170	205053	17130117	101.74	101
17	00.00	871	MASTERBASE TYPE V L									
			BLADE COATER1.14286									
	43.77		GRAND SUBTOTAL	3993.63647.0		99.62	16698752	17163160	197723	16965437	101.60	101
	42.27		*GRAND SUBTOTAL	39.2	33.3	92.67	138333	172010	7330	164680	119.05	110
	43.98		GRAND TOTAL	4032.83680.3		99.56	16837085	17335170	205053	17130117	101.74	101

8668 TONS

REPORT: R4PS76L0 — S C M - A L L I E D P A P E R S I N C. — PAGE 1
RUN DATE: 861224 — DAILY PRODUCTION SYSTEM
RUN TIME: 123700 — PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 12.1986

	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC	M EF
5	30.00	1100	E B NEW SHADE	116.5	105.9	99.17	315524	294320	3960	298280	97.03	
5	40.00	1206	CUSTOM OFFSET	32.5	31.5	105.73	104140	109070	1920	107150	102.89	
5	30.00	1800	ALLIEDS PRIDE	14.0	13.8	107.53	36262	34610		34610	95.44	
5	35.00	1805	ALLIEDS PRIDE	14.5	13.3	100.06	39660	45360		45360	114.37	
5	33.00	1833	BW SPECIAL PRIDE	36.0	34.2	103.64	96607	89770	1310	88460	91.57	
5	21.00	2006	BRITE LITE THIN	47.4	45.1	103.80	95970	90690	880	89810	93.58	
5	28.00	2101	BW BRITISH OPAQUE	14.1	13.6	82.01	29204	18460	4130	14330	49.07	
5	30.00	2239	OFF WHITE LAWYERS O	19.8	19.0	104.68	53503	48300		48300	90.23	
5	30.00	2240	BW LAWYERS OFFSET W						1120	1120-		
5	28.00	2245	BW LAWYERS OFFSET W	87.2	74.2	92.83	211475	186670	5485	181185	85.68	
5	33.00	2406	SHAKESPEARE THIN	4.1	3.6	95.79	11023	8820		8820	80.01	
5	20.00	2420	SPEC SHAKESPEARE TH						1100	1100-		
5	35.00	2503	SOLITUDE OPAQUE	134.7	129.2	104.64	372506	349460	37152	312308	83.82	
5	40.00	2505	SOLITUDE OPAQUE	12.7	12.1	103.94	37615	38040		38040	101.13	
5	33.00	2508	SOLITUDE OPAQUE	16.9	14.4	92.95	39916	21040		21040	52.71	
5	30.00	2543	Z-LITE PLUS S	10.3	9.2	97.44	23787	24940	1160	23780	99.97	
5	35.00	2545	A.P. LIGHTWEIGHT	4.0	4.0	109.09	12153	11960		11960	98.41	
5	28.00	2551	A.P. LIGHTWEIGHT	41.8	39.0	101.78	100735	96310	1130	95180	94.49	
5	35.00	3855	WHITE BOOK LITE	15.7	15.0	104.23	44729	45570		45570	101.89	
5	23.00	6723	WHITE COMBINER WRAP	21.2	19.9	102.40	30852	25950		25950	84.11	
	30.48		MACH TOTAL 1.09091	643.4	594.0	100.72	1655761	1539340	59347	1479993	89.38	9
6	40.00	1206	CUSTOM OFFSET	11.5	11.5	109.09	37140	39380		39380	106.03	
6	50.00	1208	CUSTOM OFFSET	22.3	21.0	102.73	148294	150005		150005	101.15	
6	60.00	1210	CUSTOM OFFSET	12.2	8.9	79.58	65788	63400		63400	96.37	
6	50.00	2536	SP. WEB OPAQUE VELL	5.0	4.8	104.73	33868	32740		32740	96.67	
6	40.00	2570	C.W. ALCOTT OPAQUE	31.0	21.1	74.25	111596	100990		100990	90.50	
6	70.00	3005	SUPERIOR OFFSET BOO	74.7	67.6	98.72	446160	460700		460700	103.26	
6	50.00	3030	BW DAY TIMERS OPAQU	20.3	19.1	102.64	134339	133460	1430	132030	98.28	
6	81.50	5131	GREEN TINT LEDGER	40.8	33.6	89.84	254315	238310	31534	206775	81.31	
6	50.00	7102	K WHITE OFFSET	24.4	21.0	93.89	150594	130510	2760	127750	84.83	
6	70.00	7105	K WHITE OFFSET	1.5	1.5	109.09	9383	4360		4360	45.50	
6	55.00	7123	BW K OFFSET ANTIQUE	8.3	7.1	93.32	53365	54460		54460	102.05	
6	60.00	7124	BW K OFFSET ANTIQUE	11.7	10.5	97.90	76507	80810		80810	105.62	
6	45.00	7201	WHITE OPAQUE	7.8	6.7	93.71	45305	28900		28900	63.79	
6	50.00	7202	WHITE OPAQUE	9.5	9.3	106.79	63277	59000	1170	57830	91.39	
6	26.50	9002	TACC BLUE PAPER 900	105.0	86.1	89.45	353871	331200		331200	93.59	
6	29.00	9005	GREEN PAPER 9005	147.2	133.0	98.57	590520	604320	5680	598640	101.39	
	48.51		MACH TOTAL 1.09091	533.2	462.8	94.69	2502522	2542495	42574	2499921	96.06	9
	41.71		MILL C TOTAL	1176.6	1056.8	97.98	4258283	4081835	101921	3979914	93.46	91
7	30.00	1100	E B NEW SHADE	160.8	152.8	103.66	716930	745970	4000	741970	103.47	
7	40.00	1206	CUSTOM OFFSET	5.1	4.3	91.98	27571	29320		29320	106.34	
7	45.00	1207	CUSTOM OFFSET	2.4	2.2	100.00	13475	9750		9750	72.36	

SD 065328

REPORT: RPT5701C — SCM ALLIED PAPER INC. — PAGE 2
RUN DATE: 851224 — DAILY PRODUCTION SYSTEM
RUN TIME: 123700 — PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 12.1985

	BASIS WGHT	GRDE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC	M EFF
7	50.00	1200	CUSTOM OFFSET	14.8	11.0	81.08	82311	76600		76600	93.05	
7	60.00	1210	CUSTOM OFFSET	50.8	46.4	105.60	366258	375360	1040	374320	102.20	
7	30.00	1800	ALLIEDS PRIDE						1000	1000-		
7	35.00	1805	ALLIEDS PRIDE	8.0	6.7	91.36	35021	29570		29570	84.44	
7	28.00	1828	ALLIEDS PRIDE	19.4	12.1	68.04	51013	28640	1200	27440	53.79	
7	24.00	2210	IMPERIAL OPAQUE BIB	36.5	28.7	85.78	103821	104820	2420	102400	98.63	
7	24.00	2402	SHAKESPEARE THIN	34.4	32.9	104.33	119892	130750	7510	123240	102.79	
7	33.00	2406	SHAKESPEARE THIN						2100	2100-		
7	30.00	2503	SOLITUDE OPAQUE	19.2	18.2	103.41	76850	85840		85840	111.70	
7	40.00	2505	SOLITUDE OPAQUE	10.3	7.5	79.44	46372	47000		47000	101.35	
7	20.00	2540	A.P. LIGHTWEIGHT	11.5	11.5	109.09	27877	32310		32310	115.90	
7	21.00	2541	A.P. LIGHTWEIGHT	199.9	183.9	100.36	500649	491560	17330	474230	94.72	
7	70.00	3005	SUPERIOR OFFSET BOO						5600	5600-		
7	50.00	7102	K WHITE OFFSET	14.3	12.4	94.60	90727	99780		89780	98.95	
7	40.00	7200	WHITE OPAQUE						1110	1110-		
7	38.00	9068	HOT SPOT CARBONIZIN	12.5	10.1	88.15	38128	46400	820	45580	119.54	
7	24.00	9600	TRIAL RUNS									
	34.14		MACH SUBTOTAL	586.6	532.6	99.05	2258777	2277270	43400	2233870	98.90	97
	38.00		*MACH SUBTOTAL	12.5	10.1	88.15	38128	46400	820	45580	119.54	105
	34.22		MACH TOTAL 1.09091	599.1	542.7	98.82	2296905	2323670	44220	2279450	99.24	98
8	45.00	1206	CUSTOM OFFSET	31.8	31.3	107.38	144292	160140		160140	124.35	
8	45.00	1207	CUSTOM OFFSET	4.1	3.7	98.45	18621	20430		20430	109.71	
8	50.00	1208	CUSTOM OFFSET	104.7	98.6	102.74	575185	619176	430	618746	107.57	
8	55.00	1209	CUSTOM OFFSET	4.9	4.7	104.64	28735	31070		31070	108.13	
8	60.00	1210	CUSTOM OFFSET	68.3	66.4	106.06	404363	455870		455870	112.74	
8	70.00	1211	CUSTOM OFFSET	7.3	6.9	103.11	39686	46810		46810	117.95	
8	50.00	1581	CW ALLIED BULKING B	11.8	5.6	51.77	32417	29610		29610	91.34	
8	55.00	1582	ALLIED BULKING BOOK	17.5	16.2	100.99	91172	89970		89970	95.08	
8	32.00	1802	ALLIEDS PRIDE	4.8	2.2	50.00	8553	9150		9150	106.99	
8	60.00	1825	TENNYSON OFFSET	3.7	3.4	100.25	19317	20940		20940	108.40	
8	45.00	3001	SUPERIOR OFFSET BOO	13.9	12.1	94.96	69917	74230		74230	106.17	
8	45.00	3041	SPEC HYNMAL OPAQUE	4.6	4.4	104.35	22554	25350		25350	112.40	
8	40.00	4240	TIFFANY OPAQUE	12.5	11.0	96.00	46904	43210		43210	92.12	
8	40.50	6705*	WHITE STRAW WRAP	8.9	7.2	88.25	35769	39960		39950	111.72	
8	40.00	7100	K WHITE OFFSET	31.7	29.5	101.52	137882	145540	2990	142550	103.39	
8	45.00	7101	K WHITE OFFSET	22.7	19.2	92.27	93608	102960		102960	109.99	
8	50.00	7102	K WHITE OFFSET	95.9	87.9	99.99	522449	532122	1100	531022	101.54	
8	60.00	7104	K WHITE OFFSET	14.0	13.8	107.53	85725	100380	1280	99100	115.60	
8	55.00	7123	CW K OFFSET ANTIQUE	2.3	2.3	109.09	13678	15000	2600	12400	90.66	
8	60.00	7124	BW K OFFSET ANTIQUE	21.2	17.8	91.60	110628	124126		124126	112.20	
8	55.00	7132	CW K HI BULK OFFSET	7.8	7.3	102.10	43332	41320		41320	95.36	
8	36.00	7136	BW K OFFSET M F	9.9	9.1	100.28	36036	43100		43100	119.60	
8	40.00	7200	WHITE OPAQUE	20.5	19.4	103.24	94103	93380		93380	99.23	
8	50.00	7202	WHITE OPAQUE	67.4	60.9	98.57	354765	350535	1860	348675	98.28	
8	60.00	7204	WHITE OPAQUE	17.2	14.7	93.23	90779	95230		95230	104.90	

SA 865329

ASIS	GRADE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC	MACH EFFIC
1.10		MACH SUBTOTAL	600.5	548.4	99.63	3084702	3259649	10260	3249389	105.34	104.95
3.50		*MACH SUBTOTAL	8.9	7.2	88.25	35769	39960		39960	111.72	98.59
3.97		MACH TOTAL 1.09091	609.4	555.6	99.46	3120471	3299609	10260	3289349	105.41	104.84
3.00	1001	G F OFFSET	127.4	122.7	105.07	635035	713130		713130	112.30	
3.00	1205	CUSTOM OFFSET	4.7	4.3	99.81	15953	16950		16950	106.25	
3.00	1206	CUSTOM OFFSET	10.2	9.8	104.81	45000	50170		50170	111.49	
3.00	1207	CUSTOM OFFSET	2.7	2.7	109.09	14096	13270		13270	94.14	
3.00	1208	CUSTOM OFFSET	69.4	65.5	102.96	366844	379820		379820	103.54	
3.00	1210	CUSTOM OFFSET	16.9	13.8	89.08	83052	92730		92730	111.65	
3.00	1211	CUSTOM OFFSET	2.2	2.2	109.09	13914	8920		8920	64.11	
3.00	1805	ALLIEDS PRIDE	5.4	5.4	109.09	19845	22640		22640	114.08	
3.00	2241	OFF WHITE LAWYERS O	47.1	35.6	82.46	134568	120210	2220	117990	87.68	
3.00	2243	CW LAWYERS OFFSET W	29.7	28.6	105.05	140411	139560		139560	99.39	
3.00	2502	SOLITUDE OPAQUE	5.3	5.3	109.09	14914	14520		14520	97.36	
3.00	2504	SOLITUDE OPAQUE	38.1	32.8	99.12	120539	117150		117150	97.19	
3.00	2514	I. H. OPAQUE	17.2	15.9	100.85	63336	64270		64270	101.47	
3.00	2536	SP. WEB OPAQUE VELL	6.1	4.8	185.84	27854	32695		32695	117.38	
3.00	2702	BRYANT HI-BRITE OPA	31.3	29.8	103.86	167020	178020		178020	106.59	
3.00	2707	DICKENS OFFSET	15.3	13.5	93.21	68243	43080		43080	63.13	
3.00	3507	SCHOOL CUTE	3.3	4.0	82.33	21529	14660	2490	12170	56.53	
3.00	3935	WHITE BOOK LITE	3.3	3.3	109.09	12127	11390		11390	93.92	
3.00	7000	BLUE WHITE OFFSET	23.1	20.9	98.70	97683	88680		88680	90.78	
3.00	7100	K WHITE OFFSET	26.6	25.0	102.53	118331	105720	1080	104640	88.43	
3.00	7101	K WHITE OFFSET	5.9	5.3	98.00	24056	24590		24590	102.22	
3.00	7102	K WHITE OFFSET	15.0	11.9	86.55	65792	61780	830	60950	92.64	
3.00	7104	K WHITE OFFSET	10.8	10.2	103.03	62593	53120	1000	52120	83.27	
3.00	7105	K WHITE OFFSET	4.3	4.0	101.48	22512	22420		22420	99.59	
3.00	7106	BR K OFFSET T F	23.5	22.3	105.84	90288	88250		88250	97.74	
3.00	7200	WHITE OPAQUE	13.4	12.8	104.21	59476	58330	1300	57030	95.89	
5.00	7201	WHITE OPAQUE	.6	.6	109.09	2969	8300		8300	279.56	
3.00	7202	WHITE OPAQUE	7.3	7.0	104.61	38259	39380		39380	102.93	
8.50	9029*	SATURATED GRAVURE B	10.5	9.3	96.62	42993	48840		48840	113.60	
0.00	9035*	SATURATED LABEL BAS	11.4	9.7	92.82	32174	37900		37900	117.80	
0.00	9500	TRIAL RUNS									
5.20		MACH SUBTOTAL	556.6	520.5	100.22	2546239	2583755	8920	2574835	101.12	101.34
5.33		*MACH SUBTOTAL	21.9	19.0	94.65	75167	86740		86740	115.40	109.22
5.33		MACH TOTAL 1.09091	588.5	539.5	100.01	2621406	2670495	8920	2661575	101.53	101.54
4.46		MILL D SUBTOTAL	1753.7	1601.5	99.62	7889718	8120674	62580	8058094	102.13	101.75
7.62		*MILL D SUBTOTAL	43.3	36.3	91.46	149064	173100	820	172280	115.57	105.70
4.51		MILL D TOTAL	1797.0	1637.8	99.43	8038782	8293774	63400	8230374	102.38	101.20

065330 SA

BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC	MACH EFFIC
3.54		BOOK MILL SUBTOT	2930.32	658.3	98.96	12148001	12202509	164501	12038008	99.09	98.07
7.62		*BOOK MILL SUBTOT	43.3	36.3	91.46	149064	173100	820	172280	115.57	105.70
3.60		BOOK MILL TOTAL	2973.62	694.6	98.86	12297065	12375609	165321	12210288	99.29	98.16
0.00	871	MASTERBASE TYPE V-L									
		BLADE COATED 1.14286									
3.54		GRAND SUBTOTAL	2930.32	658.3	98.96	12148001	12202509	164501	12038008	99.09	98.07
7.62		*GRAND SUBTOTAL	43.3	36.3	91.46	149064	173100	820	172280	115.57	105.70
3.60		GRAND TOTAL	2973.62	694.6	98.86	12297065	12375609	165321	12210288	99.29	98.16

SA 065331

S C M A L L I E D P A P E R I N C.
DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

Dee.
Production

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
1100	E B NEW SHADE	640		15		
		640	600	1	22250	78.12
		640	600	20	395830	93.75
		640	630	1		98.43
			595	37	418080	92.92
1206	CUSTOM OFFSET	560	550	3	62280	98.21
		560	570	4	46790	101.78
			559	7	109070	99.74
1800	ALLIEDS PRIDE	640	620	5	34610	96.87
			620	5	34610	96.87
1805	ALLIEDS PRIDE	610	630	4	46360	103.27
			630	4	45360	103.27
1833	BW SPECIAL PRIDE	600	580	2	35420	96.66
		600	600	3	54350	100.00
			592	5	89770	98.68
2006	BRITE LITE THIN	710	700	6	90690	98.59
			700	6	90690	98.59
2101	BW BRITISH OPAQUE	660	660	3	18460	100.00
			660	3	18460	100.00
2239	OFF WHITE LAWYERS OFFSET	640	620	1	13380	96.87
		640	640	1	15880	100.00
		640	660	1	19040	103.12
			642	3	48300	100.36
2245	BW LAWYERS OFFSET W/WAX	660	620	11	154870	93.93
		660	640	2	11200	96.96
		660	680	1	20600	103.03
			628	14	186670	95.12
2406	SHAKESPEARE THIN	600	600	2	8820	100.00
			600	2	8820	100.00
2503	SOLITUDE OPAQUE	640	510	1	23000	79.68
		640	600	12	195100	93.75
		640	630	4	89830	98.43
		640	640	2	25130	100.00
		640	700	1	16400	109.37
			609	20	349460	95.21
2505	SOLITUDE OPAQUE	560	550	1	16320	98.21
		560	560	1	21720	100.00
			556	2	38040	99.23

865332
SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
2508	SOLITUDE OPAQUE	600	560	2	11170	93.33
		600	580	1	9870	96.66
			569	3	21040	94.89
2547	Z-LITE PLUS S	640	620	2	24940	96.87
			620	2	24940	96.87
2545	A.P. LIGHTWEIGHT	610	580	3	11960	95.08
			580	3	11960	95.08
2551	A.P. LIGHTWEIGHT	660		1		
		660	630	1	7290	95.45
		660	640	6	89020	96.96
			639	8	96310	96.85
3835	WHITE BOOK LITE	610	600	3	45570	98.36
			600	3	45570	98.36
6723	WHITE COMBINER WRAP	510	500	2	14720	98.03
		510	550	2	11230	107.84
			522	4	25950	102.29
			609	131	1663100	96.18

065333 SA

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 861230 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1206	CUSTOM OFFSET	750	780	4	69330	104.00
				780	4	69330	104.00
	1208	CUSTOM OFFSET	730	740	8	150005	101.36
				740	8	150005	101.36
	1210	CUSTOM OFFSET	630	650	2	63400	103.17
				650	2	63400	103.17
	2536	SP. WEB OPAQUE YELLUM	730	750	1	32740	102.73
				750	1	32740	102.73
	2570	C.W. ALCOTT OPAQUE	750	500	2	32440	66.66
			750	790	3	68550	105.33
				697	5	100990	92.91
	3005	SUPERIOR OFFSET BOOK	540	480	1		88.88
			540	570	10	314380	105.55
			540	590	5	146320	109.25
			540	690	1		127.77
				576	17	460700	106.73
	3030	BW DAY TIMERS OPAQUE	730	650	1	500	89.04
			730	750	4	132960	102.73
			750	5	133460	102.68	
	5181	GREEN TINT LEDGER	460	480	2	31920	104.34
			460	500	5	206390	108.69
				497	7	238310	108.11
	7102	K WHITE OFFSET	730	590	1	3660	80.82
			730	740	2	82660	101.36
			730	750	1	5310	102.73
			730	760	1	38880	104.10
				742	5	130510	101.66
	7105	K WHITE OFFSET	540	570	1	4360	105.55
				570	1	4360	105.55
	7123	BW K OFFSET ANTIQUE	710	750	3	54460	105.63
				750	3	54460	105.63
	7124	BW K OFFSET ANTIQUE	630	690	2	80810	109.52
				690	2	80810	109.52
	7201	WHITE OPAQUE	740	750	2	28900	101.35
				750	2	28900	101.35
	7202	WHITE OPAQUE	730	750	2	59000	102.73

SA 065334

S C M A L L I E D P A P E R I N C.

DAILY PRODUCTION SYSTEM

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
		750		2	59000	102.73
9002	TACO BLUE PAPER 9002	735		1		
		735	780	14	331200	106.12
			780	15	331200	106.12
9005	GREEN PAPER 9005	735		32		
		735	770	8	202290	104.76
		735	780	13	402030	106.12
			777	53	604320	105.66
			698	132	2542495	104.88

065335
SA

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 5
RUN DATE: 861230 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1100	E B NEW SHADE	850		16		
			850	840	4	121760	98.82
			850	850	23	836530	100.00
				849	43	958290	99.85
	1206	CUSTOM OFFSET	840	880	2	29320	104.76
				880	2	29320	104.76
	1207	CUSTOM OFFSET	790	790	1	9750	100.00
				790	1	9750	100.00
	1208	CUSTOM OFFSET	780		1		
			780	770	2	36660	98.71
			780	800	2	39940	102.56
				786	5	76600	100.72
	1210	CUSTOM OFFSET	670	680	3	40110	101.49
			670	700	6	308060	104.47
			670	860	1	27190	128.35
				709	10	375360	105.98
	1805	ALLIEDS PRIDE	850	860	2	29570	101.17
				860	2	29570	101.17
	1828	ALLIEDS PRIDE	830	850	1	3990	102.40
			830	880	2	24650	106.02
				876	3	28640	105.52
	2210	IMPERIAL OPAQUE BIBLE	830		1		
			830	850	6	104820	102.40
				850	7	104820	102.40
	2402	SHAKESPEARE THIN	830	850	5	130750	102.40
				850	5	130750	102.40
	2503	SOLITUDE OPAQUE	850	820	1	14490	96.47
			850	840	2	71350	98.82
				837	3	85840	98.42
	2505	SOLITUDE OPAQUE	840	790	2	47000	94.04
				790	2	47000	94.04
	2540	A.P. LIGHTWEIGHT	790	780	4	32310	98.73
				780	4	32310	98.73
	2541	A.P. LIGHTWEIGHT	790		6		
			790	780	4	67090	98.73
			790	790	1		100.00
			790	800	6	75300	101.26

SA 865336

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1986

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
		790	820	3	60320	103.79
		790	830	15	257670	105.06
		790	840	1	31180	106.32
			818	36	491560	103.54
7102	K WHITE OFFSET	780	760	1	15300	97.43
		780	770	1	27430	98.71
		780	780	1	47050	100.00
			774	3	89780	99.17
9068	HOT SPOT CARBONIZING BOND	590	700	2	46400	118.64
			700	2	46400	118.64
9500	TRIAL RUNS			1		
				1		
			813	129	2535990	102.01

865337 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1206	CUSTOM OFFSET	750		1		
			750	780	7	150140	104.00
				780	8	150140	104.00
	1207	CUSTOM OFFSET	750	780	1	20430	104.00
				780	1	20430	104.00
	1208	CUSTOM OFFSET	750	760	3	35500	101.33
			750	780	28	576837	104.00
			750	850	3	18429	113.33
			750	920	1	27900	122.66
				787	35	658666	104.91
	1209	CUSTOM OFFSET	690	730	2	21140	105.79
			690	760	1	9930	110.14
				740	3	31070	107.18
	1210	CUSTOM OFFSET	640	680	2	9040	106.25
			640	700	21	436829	109.37
			640	760	1	5891	118.75
			640	780	1	4110	121.87
				701	25	455870	109.64
	1211	CUSTOM OFFSET	560	600	3	37570	107.14
			560	780	1	9240	139.28
				636	4	46810	113.48
	1581	CW ALLIED BULKING BOOK	750	680	1	13150	90.66
			750	760	1	16460	101.33
				724	2	29610	96.59
	1582	ALLIED BULKING BOOK	690	690	1	41000	100.00
			690	700	2	48970	101.44
				695	3	89970	100.78
	1802	ALLIEDS PRIDE	750		1		
			750	780	1	9150	104.00
				780	2	9150	104.00
	1825	TENNYSON OFFSET	640	700	2	20940	109.37
				700	2	20940	109.37
	3001	SUPERIOR OFFSET BOOK	750	690	1	1970	92.00
			750	760	1	47180	101.33
			750	770	1	25080	102.66
				762	3	74230	101.53
	3041	SPEC HYNMAL OPAQUE	750	780	1	25350	104.00
				780	1	25350	104.00

SA 865538

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1986

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
4240	TIFFANY OPAQUE	750	780	2	43210	104.00
			780	2	43210	104.00
6705	WHITE STRAW WRAP	750	780	2	39960	104.00
			780	2	39960	104.00
7100	K WHITE OFFSET	750	780	5	145540	104.00
			780	5	145540	104.00
7101	K WHITE OFFSET	750	680	1	4800	90.66
		750	780	5	98160	104.00
			775	6	102960	103.38
7102	K WHITE OFFSET	750		1		
		750	700	1	1290	93.33
		750	760	3	83311	101.33
		750	780	27	447521	104.00
			777	32	532122	103.56
7104	K WHITE OFFSET	640	680	1	22620	106.25
		640	700	4	77760	109.37
		640	710	4	150230	110.93
			704	9	250610	110.02
7122	BW K OFFSET ANTIQUE	750		15		
		750	710	1		94.66
		750	780	2	54940	104.00
			780	18	54940	104.00
7123	BW K OFFSET ANTIQUE	690	760	1	11250	110.14
		690	780	1	3750	113.04
			765	2	15000	110.87
7124	BW K OFFSET ANTIQUE	640	690	3	30966	107.81
		640	700	4	91680	109.37
		640	710	1	7200	110.93
		640	780	1	1480	121.87
			699	9	131326	109.23
7132	CW K HI BULK OFFSET	690	750	2	41320	108.69
			750	2	41320	108.69
7136	BW K OFFSET M F	750	780	3	43100	104.00
			780	3	43100	104.00
7200	WHITE OPAQUE	750	780	7	93380	104.00
			780	7	93380	104.00

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PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 9
RUN DATE: 861230 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7202	WHITE OPAQUE	750		6		
			750	700	1	4150	93.33
			750	740	2	19660	98.66
			750	770	2	63759	102.66
			750	780	12	262966	104.00
				775	23	350535	103.33
	7204	WHITE OPAQUE	640	680	3	63650	106.25
			640	690	2	31580	107.81
				683	5	95230	106.77
				753	214	3551469	105.49

SA 865548

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1986

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
1000	U P OFFSET	730	760	13	458580	104.10
		730	770	7	254550	105.47
			764	20	713130	104.59
1205	CUSTOM OFFSET	750	770	2	39810	102.66
			770	2	39810	102.66
1206	CUSTOM OFFSET	750	760	4	50170	101.33
		750	780	2	52110	104.00
			770	6	102280	102.69
1207	CUSTOM OFFSET	730	770	2	13270	105.47
			770	2	13270	105.47
1208	CUSTOM OFFSET	720		1		
		720	720	1	41650	100.00
		720	750	6	132660	104.16
		720	760	3	81600	105.55
		720	770	6	123910	106.94
			755	17	379820	104.91
1210	CUSTOM OFFSET	630	660	3	32570	104.76
		630	680	4	56100	107.93
		630	720	1	4060	114.28
		630	750	1		119.04
			675	9	92730	107.09
1211	CUSTOM OFFSET	550	580	2	8920	105.45
			580	2	8920	105.45
1505	ALLIEDS PRIDE	750	770	2	22640	102.66
			770	2	22640	102.66
2241	OFF WHITE LAWYERS OFFSET	750	760	4	32450	101.33
		750	780	5	87760	104.00
			775	9	120210	103.28
2243	UW LAWYERS OFFSET W/WAX	740	750	2	47540	101.35
		740	760	1	34910	102.70
		740	770	4	57110	104.05
			761	7	139560	102.79
2502	SOLITUDE OPAQUE	720	770	2	14520	106.94
			770	2	14520	106.94
2504	SOLITUDE OPAQUE	750	700	1	25600	93.33
		750	750	1		100.00
		750	770	4	91550	102.66
			755	6	117150	100.62

865341 SA

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 11
RUN DATE: 861230 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2514	I. H. OPAQUE	750	770	4	64270	102.66
				770	4	64270	102.66
	2536	SP. WEB OPAQUE VELLUM	720	770	2	32695	106.94
				770	2	32695	106.94
	2702	BRYANT HI-BRITE OPAQUE	720	600	1	7210	83.33
			720	750	4	170810	104.16
				744	5	178020	103.32
	2902	DICKENS OFFSET	720	750	4	43080	104.16
				750	4	43080	104.16
	3503	SCHOOL COTE	600	600	1	14660	100.00
				600	1	14660	100.00
	3835	WHITE BOOK LITE	750	780	1	11390	104.00
				780	1	11390	104.00
	7000	BLUE WHITE OFFSET	750		1		
			750	750	4	82850	100.00
			750	770	1	5830	102.66
				751	6	88680	100.17
	7100	K WHITE OFFSET	750	760	1	10910	101.33
			750	770	6	94810	102.66
				769	7	105720	102.52
	7101	K WHITE OFFSET	730	750	1	10950	102.73
			730	760	2	13640	104.10
				756	3	24590	103.49
	7102	K WHITE OFFSET	720		1		
			720	740	4	39250	102.77
			720	750	1	6270	104.16
			720	760	1	16260	105.55
				746	7	61780	103.64
	7104	K WHITE OFFSET	630	680	4	53120	107.93
				680	4	53120	107.93
	7105	K WHITE OFFSET	550	580	1	22420	105.45
				580	1	22420	105.45
	7136	BW K OFFSET M F	750		5		
			750	770	4	80850	102.66
			750	780	1	7400	104.00
				771	10	88250	102.77

SR 865342

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7200	WHITE OPAQUE	750	760	5	58330	101.33
		750	780	3	55510	104.00
			770	8	113840	102.63
7201	WHITE OPAQUE	730	750	1	8300	102.73
			750	1	8300	102.73
7202	WHITE OPAQUE	720	750	2	24230	104.16
		720	770	1	15150	106.94
			758	3	39380	105.23
9029	SATURATED GRAVURE BASE	450		15		
		450	500	5	136940	111.11
			500	20	136940	111.11
9035	SATURATED LABEL BASE	640	680	2	37900	106.25
			680	2	37900	106.25
9600	TRIAL RUNS		730	1		
			750	2		
				3		
			741	176	2889075	104.22

065343 SA

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	871	MASTERBASE TYPE V LTHW-S	300		105		
					105		
					105		

SD 065344

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1986

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
1100	L B NEW SHADE	103	117	6	114080	113.59
		103	116	16	304000	112.62
		103		15		
			116	37	418080	112.88
1206	CUSTOM OFFSET	122	112	4	46790	91.80
		122	105	3	62280	86.06
			108	7	109070	88.52
1800	ALLIEDS PRIDE	110	105	3	15490	95.45
		110	100	2	19120	90.90
			102	5	34610	92.94
1805	ALLIEDS PRIDE	105	105	4	45360	100.00
			105	4	45360	100.00
1833	JW SPECIAL PRIDE	105	107	5	89770	101.90
			107	5	89770	101.90
2006	BRITE LITE THIN	110	112	6	90690	101.81
			112	6	90690	101.81
2101	JW BRITISH OPAQUE	121	112	3	18460	92.56
			112	3	18460	92.56
2239	OFF WHITE LAWYERS OFFSET	110	110	3	48300	100.00
			110	3	48300	100.00
2245	JW LAWYERS OFFSET W/WAX	116	116	13	183370	100.00
		116	108	1	3300	93.10
			116	14	186670	99.88
2406	SHAKESPEARE THIN	110	116	2	8820	105.45
			116	2	8820	105.45
2503	SOLITUDE OPAQUE	110	114	16	286800	103.63
		110	113	1	16400	102.72
		110	105	3	46260	95.45
			113	20	349460	102.50
2505	SOLITUDE OPAQUE	110	102	1	21720	92.72
		110	101	1	16320	91.81
			102	2	38040	92.33
2508	SOLITUDE OPAQUE	110	105	3	21040	95.45
			105	3	21040	95.45
2543	Z-LIT PLUS S	112	101	2	24940	90.17
			101	2	24940	90.17

865345 SA

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 2
RUN DATE: 861230 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2545	A.P. LIGHTWEIGHT	110	107	3	11960	97.27
				107	3	11960	97.27
	2551	A.P. LIGHTWEIGHT	110	105	8	96310	95.45
				105	8	96310	95.45
	3835	WHITE BOOK LITE	105	105	3	45570	100.00
				105	3	45570	100.00
	6723	WHITE COMBINER WRAP	110	102	4	25950	92.72
				102	4	25950	92.72
				111	131	1663100	102.22

SA 865346

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1986

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
1206	CUSTOM OFFSET	142	140	2	38050	98.59
		142	136	2	31280	95.77
			138	4	69330	97.32
120P	CUSTOM OFFSET	148	141	2	49400	95.27
		148	140	4	73795	94.59
		14P	139	2	26810	93.91
			140	8	150005	94.69
1210	CUSTOM OFFSET	142	140	2	63400	98.59
			140	2	63400	98.59
2536	SP. WEB OPAQUE VELLUM	142	140	1	32740	98.59
			140	1	32740	98.59
[illegible]70	C.W. ALCOTT OPAQUE	110	129	5	100990	117.27
			129	5	100990	117.27
3005	SUPERIOR OFFSET BOOK	142	125	17	460700	88.02
			125	17	460700	88.02
3030	DW DAY TIMERS OPAQUE	142	140	3	65510	98.59
		142	139	2	67950	97.88
			139	5	133460	98.23
5181	GREEN TINT LEDGER	148	145	7	238310	97.97
			145	7	238310	97.97
7102	K WHITE OFFSET	142	146	3	87970	102.81
		142	136	2	42540	95.77
			143	5	130510	100.52
7105	K WHITE OFFSET	146	121	1	4360	82.87
			121	1	4360	82.87
7123	DW K OFFSET ANTIQUE	142	140	1	3760	98.59
		142	138	2	50700	97.18
			138	3	54460	97.28
7124	DW K OFFSET ANTIQUE	142	138	2	80810	97.18
			138	2	80810	97.18
7201	WHITE OPACUE	140	147	2	28900	105.00
			147	2	28900	105.00
7202	WHITE OPAQUE	140	135	2	59000	96.42
			135	2	59000	96.42
9002	TACO BLUE PAPER 9002	148	150	15	331200	101.35

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PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 4
RUN DATE: 861230 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				150	15	331200	101.35
	9005	GREEN PAPER 9005	148	148	38	604320	100.00
			148		15		
				148	53	604320	100.00
				140	132	2542495	97.79

SA 865348

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
1100	C.J NEW SHADE	138	138	26	948020	100.00
		138	136	1	10270	98.55
		138		16		
			138	43	958290	99.98
1206	CUSTOM OFFSET	138	140	2	29320	101.44
			140	2	29320	101.44
1207	CUSTOM OFFSET	138	125	1	9750	90.57
			125	1	9750	90.57
1208	CUSTOM OFFSET	136	140	3	39940	102.94
		136	138	2	36660	101.47
			139	5	76600	102.24
1210	CUSTOM OFFSET	136	140	1	10000	102.94
		136	135	9	365360	99.26
			135	10	375360	99.36
1805	ALLIED PRIDE	136	132	2	29570	97.05
			132	2	29570	97.05
1820	ALLIED PRIDE	136	136	3	28640	100.00
			136	3	28640	100.00
2210	IMPERIAL OPAQUE BIBLE	128	136	6	104820	106.25
		128		1		
			136	7	104820	106.25
2402	SHAKESPEARE THIN	133	137	5	130750	103.00
			137	5	130750	103.00
2503	SOLITUDE OPAQUE	134	125	1	14490	93.28
		134	124	2	71350	92.53
			124	3	85840	92.66
2505	SOLITUDE OPAQUE	136	135	2	47000	99.26
			135	2	47000	99.26
2540	A.P. LIGHTWEIGHT	132	130	1	8810	98.48
		132	126	1	13780	95.45
		132	120	2	9720	90.90
			125	4	32310	94.91
2541	A.P. LIGHTWEIGHT	132	138	1	31180	104.54
		132	128	34	458880	96.96
		132	126	1	1500	95.45
			129	36	491560	97.44

065349 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7102	K WHITE OFFSET	136	136	3	89780	100.00
				136	3	89780	100.00
	9068	HOT SPOT CARBONIZING BOND	136	132	2	46400	97.05
				132	2	46400	97.05
	9600	TRIAL RUNS		137	1		
					1		
				135	129	2535990	99.45

SA 065350

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1986

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
1206	CUSTOM OFFSET	105	118	1	13520	112.38
		105	116	4	95640	110.47
		105	105	2	40980	100.00
		105		1		
			113	8	150140	107.78
1207	CUSTOM OFFSET	122	108	1	20430	88.52
			108	1	20430	88.52
1208	CUSTOM OFFSET	106	123	1	14520	116.03
		106	122	1	38640	115.09
		106	120	3	26430	113.20
		106	118	1	17100	111.32
		106	116	7	141700	109.43
		106	115	4	109120	108.49
		106	114	2	22240	107.54
		106	113	1	47970	106.60
		106	112	2	45830	105.66
		106	111	1	16380	104.71
		106	107	1	27900	100.94
		106	105	9	139546	99.05
		106	104	1	7760	98.11
		106	98	1	3530	92.45
			113	35	658666	106.52
1209	CUSTOM OFFSET	110	116	2	21140	105.45
		110	114	1	9930	103.63
			115	3	31070	104.87
1210	CUSTOM OFFSET	105	124	1	41840	118.09
		105	121	2	37930	115.23
		105	118	5	153840	112.38
		105	116	2	14520	110.47
		105	114	5	27970	108.57
		105	112	1	42020	106.66
		105	110	1	4110	104.76
		105	108	1	10000	102.85
		105	105	4	66630	100.00
		105	104	2	38070	99.04
		105	101	1	18940	96.19
			114	25	455870	108.45
1211	CUSTOM OFFSET	110	108	1	15300	98.18
		110	105	2	22830	95.45
		110	102	1	8680	92.72
			105	4	46810	95.84
1561	CM ALLIED BULKING BOOK	106	108	2	29610	101.88
			108	2	29610	101.88

065351 SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	1582	ALLIED BULKING BOOK	105	105	3	89970	100.00
				105	3	89970	100.00
	1802	ALLIEDS PRIDE	110	120	2	9150	109.09
				120	2	9150	109.09
	1825	TENNYSON OFFSET	110	106	2	20940	96.36
				106	2	20940	96.36
	3001	SUPERIOR OFFSET BOOK	110	124	3	74230	112.72
				124	3	74230	112.72
	3041	SPEC HYNMAL OPAQUE	110	110	1	25350	100.00
				110	1	25350	100.00
	4240	TIFFANY OPAQUE	110	104	2	43210	94.54
				104	2	43210	94.54
	6705	WHITE STRAW WRAP	120	120	2	39960	100.00
				120	2	39960	100.00
	7100	K WHITE OFFSET	110	114	5	145540	103.63
				114	5	145540	103.63
	7101	K WHITE OFFSET	110	110	2	34560	100.00
			110	104	2	23280	94.54
			110	101	2	45120	91.81
				105	6	102960	95.18
	7102	K WHITE OFFSET	110	122	4	54020	110.90
			110	120	5	104521	109.09
			110	119	2	79920	108.18
			110	118	2	17720	107.27
			110	116	5	66020	105.45
			110	115	1	4200	104.54
			110	114	1	3850	103.63
			110	112	3	52920	101.81
			110	110	2	29510	100.00
			110	109	1	4200	99.09
			110	107	1	39600	97.27
			110	105	1	15920	95.45
			110	104	2	53101	94.54
			110	103	1	6620	93.63
			110		1		
				115	32	532122	104.31
	7104	K WHITE OFFSET	110	117	2	45880	106.36
			110	115	3	54500	104.54

SH 865552

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
		110	107	1	31290	97.27
		110	106	3	118940	96.36
			110	9	250610	100.08
7122	BW K OFFSET ANTIQUE	110	122	1		110.90
		110	113	2	54940	102.72
		110		15		
			113	18	54940	102.72
7123	BW K OFFSET ANTIQUE	110	115	1	3750	104.54
		110	111	1	11250	100.90
			112	2	15000	101.81
7124	BW K OFFSET ANTIQUE	110	120	3	30806	109.09
		110	115	5	98880	104.54
		110	98	1	1640	89.09
			116	9	131326	105.41
7132	CW K HI BULK OFFSET	110	112	2	41320	101.81
			112	2	41320	101.81
7136	BW K OFFSET M F	110	110	3	43100	100.00
			110	3	43100	100.00
7200	WHITE OPAQUE	110	123	2	9260	111.81
		110	120	2	41330	109.09
		110	116	1	4770	105.45
		110	115	2	38020	104.54
			118	7	93380	107.32
7202	WHITE OPAQUE	110	120	1	33330	109.09
		110	118	3	75620	107.27
		110	116	1	13810	105.45
		110	115	1	4150	104.54
		110	114	1	36730	103.63
		110	113	1	9270	102.72
		110	111	8	40540	100.90
		110	109	4	106465	99.09
		110	105	1	18900	95.45
		110	100	2	11720	90.90
			113	23	350535	102.43
7204	WHITE OPAQUE	110	121	3	79000	110.00
		110	113	1	2700	102.72
		110	91	1	13530	82.72
			117	5	96230	105.92
			113	214	3551469	104.28

865353 SA

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 10
RUN DATE: 861230 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIFNCY
9	1000	G P OFFSET	114	114	20	713130	100.00
				114	20	713130	100.00
	1205	CUSTOM OFFSET	112	107	1	22860	95.53
			112	106	1	16950	94.64
				107	2	39810	95.15
	1206	CUSTOM OFFSET	102	116	2	52110	113.72
			102	112	4	50170	109.80
				114	6	102280	111.80
	1207	CUSTOM OFFSET	106	115	2	13270	108.49
				115	2	13270	108.49
	1208	CUSTOM OFFSET	110	118	2	22230	107.27
			110	116	4	52070	105.45
			110	114	6	167070	103.63
			110	113	3	93720	102.72
			110	110	1	15670	100.00
			110	103	1	29060	93.63
				113	17	379820	102.95
	1210	CUSTOM OFFSET	110	119	1	34080	108.18
			110	116	2	28610	105.45
			110	111	2	14660	100.90
			110	110	1	8130	100.00
			110	105	1	3960	95.45
			110	98	2	3290	89.09
				115	9	92730	104.25
	1211	CUSTOM OFFSET	105	118	2	8920	112.38
				118	2	8920	112.38
	1805	ALLIEDS PRIDE	110	105	2	22640	95.45
				105	2	22640	95.45
	2241	OFF WHITE LAWYERS OFFSET	110	108	9	120210	98.18
				108	9	120210	98.18
	2243	BW LAWYERS OFFSET W/WAX	110	116	2	14360	105.45
			110	115	2	42750	104.54
			110	110	3	82450	100.00
				112	7	139560	101.95
	2502	SOLITUDE OPAQUE	110	105	2	14520	95.45
				105	2	14520	95.45
	2504	SOLITUDE OPAQUE	110	105	6	117150	95.45
				105	6	117150	95.45

SA 065354

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
2514	I. H. OPAQUE	105	118	2	36370	112.38
		105	108	1	20130	102.85
		105	105	1	7770	100.00
			113	4	64270	107.90
2536	SP. W'S OPAQUE VELLUM	110	117	2	32695	106.36
			117	2	32695	106.36
2702	BRYANT HI=BRITE OPAQUE	110	113	5	178020	102.72
			113	5	178020	102.72
2902	DICKENS OFFSET	110	105	2	15840	95.45
		110	101	2	27240	91.81
			102	4	43080	93.15
3503	SCHOOL COTE	105	116	1	14660	110.47
			116	1	14660	110.47
3835	WHITE BOOK LITE	121	105	1	11390	86.77
			105	1	11390	86.77
7001	BLUE WHITE OFFSET	110	114	5	88680	103.63
		110		1		
			114	6	88680	103.63
7100	K WHITE OFFSET	110	116	4	72950	105.45
		110	114	3	32770	103.63
			115	7	105720	104.89
7101	K WHITE OFFSET	110	101	2	13640	91.81
		110	99	1	10950	90.00
			100	3	24590	91.00
7102	K WHITE OFFSET	110	117	3	35050	106.36
		110	109	1	6270	99.09
		110	105	1	10630	95.45
		110	100	2	9830	90.90
			111	7	61780	101.29
7104	K WHITE OFFSET	110	130	1	15100	118.18
		110	116	2	22120	105.45
		110	105	1	15900	95.45
			117	4	53120	106.08
7105	K WHITE OFFSET	105	105	1	22420	100.00
			105	1	22420	100.00
7136	DW K OFFSET M F	112	110	10	88250	98.21

865355 SA

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 12
RUN DATE: 861230 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				110	10	88250	98.21
	7200	WHITE OPAQUE	110	116	3	43270	105.45
			110	115	3	55510	104.54
			110	105	2	15060	95.45
				114	8	113840	103.68
	7201	WHITE OPAQUE	110	109	1	8300	99.09
				109	1	8300	99.09
	7202	WHITE OPAQUE	110	118	1	15150	107.27
			110	105	2	24230	95.45
				110	3	39380	100.00
	9029	SATURATED GRAVURE BASE	123	115	5	136940	93.49
			123		15		
				115	20	136940	93.49
	9035	SATURATED LABEL BASE	119	107	2	37900	89.91
				107	2	37900	89.91
	9600	TRIAL RUNS		112	3		
					3		
				112	176	2889075	101.04

SA 865356

S C M A L L I E D P A P E R I N C.

DAILY PRODUCTION SYSTEM

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1986

GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
871	MASTERBASE TYPE V LTHW-S	102	107	1		104.90
		102		104		
				105		
				105		

065357 SA

REPORT: R4PS7610 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 861230 DAILY PRODUCTION SYSTEM
RUN TIME: 261000 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

	BASIS WGHT	GRDE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC	E
5	30.00	1100	E B NEW SHADE	160.0	148.0	100.91	440541	418080	6530	411550	93.42	
5	40.00	1206	CUSTOM OFFSET	32.5	31.5	105.73	104140	109070	1920	107150	102.89	
5	30.00	1800	ALLIEDS PRIDE	14.0	13.8	107.53	36262	34610		34610	95.44	
5	35.00	1805	ALLIEDS PRIDE	14.5	13.5	100.06	39660	45360		45360	114.37	
5	33.00	1833	BW SPECIAL PRIDE	36.0	34.2	103.64	96607	89770	1310	88460	91.57	
5	21.00	2006	BRITE LITE THIN	47.4	45.1	103.80	95970	90690	880	89810	93.58	
5	28.00	2101	BW BRITISH OPAQUE	14.1	10.6	82.01	29204	18460	4130	14330	49.07	
5	30.00	2239	OFF WHITE LAWYERS O	19.8	19.0	104.68	53503	48300		48300	90.28	
5	30.00	2240	BW LAWYERS OFFSET W						1120	1120-		
5	28.00	2245	BW LAWYERS OFFSET W	87.2	74.2	92.83	211475	186670	5485	181185	85.68	
5	33.00	2406	SHAKESPEARE THIN	4.1	3.6	95.79	11023	8820		8820	80.01	
5	20.00	2420	SPEC SHAKESPEARE TH						2960	2960-		
5	30.00	2503	SOLITUDE OPAQUE	134.7	129.2	104.64	372606	349460	37152	312308	83.82	
5	40.00	2505	SOLITUDE OPAQUE	12.7	12.1	103.94	37615	38040		38040	101.13	
5	33.00	2508	SOLITUDE OPAQUE	16.9	14.4	92.95	39916	21040		21040	52.71	
5	30.00	2543	Z-LITE PLUS S	10.3	9.2	97.44	23787	24940	1160	23780	99.97	
5	35.00	2545	A.P. LIGHTWEIGHT	4.0	4.0	109.09	12153	11960		11960	98.41	
5	28.00	2551	A.P. LIGHTWEIGHT	41.8	39.0	101.78	100735	96310	1130	95180	94.49	
5	35.00	3835	WHITE BOOK LITE	15.7	15.0	104.23	44729	45570		45570	101.88	
5	23.00	6723	WHITE COMBINER WRAP	21.2	19.9	102.40	30852	25950		25950	84.11	
	30.45		MACH TOTAL 1.09091	686.9	636.1	101.02	1780778	1663100	63777	1599323	89.81	9
6	40.00	1206	CUSTOM OFFSET	11.5	11.5	109.09	65140	69330		69330	106.43	
6	45.00	1207	CUSTOM OFFSET									
6	50.00	1208	CUSTOM OFFSET	22.3	21.0	102.73	148294	150005		150005	101.15	
6	60.00	1210	CUSTOM OFFSET	12.2	8.9	79.58	65788	63400		63400	96.37	
6	50.00	2507	SOLITUDE OPAQUE									
6	50.00	2536	SP. WEB OPAQUE VELL	5.0	4.8	104.73	33868	32740		32740	96.67	
6	35.00	2545	A.P. LIGHTWEIGHT									
6	40.00	2570	C.W. ALCOTT OPACUE	31.0	21.1	74.25	111596	100990		100990	90.50	
6	70.00	3005	SUPERIOR OFFSET 800	74.7	67.6	98.72	446160	460700		460700	103.26	
6	50.00	3030	BW DAY TIMERS OPACU	20.3	19.1	102.64	134339	133460	1430	132030	98.28	
6	81.50	5181	GREEN TINT LEDGER	40.8	33.6	89.84	254315	238310	31534	206776	81.31	
6	50.00	7102	K WHITE OFFSET	24.4	21.0	93.89	150594	130510	2760	127750	84.83	
6	70.00	7105	K WHITE OFFSET	1.5	1.5	109.09	9583	4360		4360	45.50	
6	55.00	7123	BW K OFFSET ANTIQUE	8.3	7.1	93.32	53365	54460		54460	102.05	
6	60.00	7124	BW K OFFSET ANTIQUE	11.7	10.5	97.90	76507	80810		80810	105.62	
6	45.00	7201	WHITE OPAQUE	7.8	6.7	93.71	45305	28900		28900	63.79	
6	50.00	7202	WHITE OPAQUE	9.5	9.3	106.79	63277	59000	1170	57830	91.39	
6	26.50	9002	TACO BLUE PAPER 900	105.0	86.1	89.45	353871	331200		331200	93.59	
6	29.00	9005	GREEN PAPER 9005	147.2	133.0	98.57	590520	604320	5680	598640	101.38	
	48.51		MACH TOTAL 1.09091	533.2	462.8	94.69	2602522	2542495	42574	2499921	96.06	9
	41.36		MILL C TOTAL	1220.1	1098.9	98.25	4383300	4205595	106351	4099244	93.52	9

SD 85358

BASIS WGHT	GRDE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC	MACH EFFIC
30.00	1100	E B NEW SHADE	204.8	194.9	103.82	914203	958290	4000	954290	104.38	
40.00	1206	CUSTOM OFFSET	5.1	4.3	91.98	27571	29320		29320	106.34	
45.00	1207	CUSTOM OFFSET	2.4	2.2	100.00	13475	9750		9750	72.36	
50.00	1208	CUSTOM OFFSET	14.8	11.0	81.08	82311	76600		76600	93.06	
30.00	1210	CUSTOM OFFSET	50.0	48.4	105.60	366268	375360	1040	374320	102.20	
30.00	1000	ALLIEDS PRIDE						1000	1000-		
35.00	1805	ALLIEDS PRIDE	9.0	6.7	91.36	35021	29570		29570	84.44	
28.00	1828	ALLIEDS PRIDE	19.4	12.1	68.04	51013	28640	1200	27440	53.79	
20.00	2007	BRITE-LITE PLUS									
24.00	2210	IMPERIAL OPAQUE BIB	36.5	28.7	85.78	103821	104820	2420	102400	98.63	
24.00	2402	SHAKESPEARE THIN	34.4	32.9	104.33	119892	130750	7510	123240	102.79	
33.00	2406	SHAKESPEARE THIN						2190	2190-		
30.00	2503	SOLITUDE OPAQUE	19.2	18.2	103.41	76850	85840		85840	111.70	
40.00	2505	SOLITUDE OPAQUE	10.3	7.5	79.44	46372	47000		47000	101.35	
20.00	2540	A.P. LIGHTWEIGHT	11.5	11.5	109.09	27877	32310		32310	115.90	
21.00	2541	A.P. LIGHTWEIGHT	199.9	183.9	100.36	500649	491560	17330	474230	94.72	
70.00	3005	SUPERIOR OFFSET BOO						5600	5600-		
50.00	7102	K WHITE OFFSET	14.3	12.4	94.60	90727	89780		89780	98.96	
40.00	7200	WHITE OPAQUE						1110	1110-		
38.00	9068*	HOT SPOT CARBONIZIN	12.5	10.1	88.15	38128	46400	820	45580	119.54	
24.00	9600	TRIAL RUNS									
33.79		MACH SUBTOTAL	630.6	574.7	99.42	2456050	2489590	43400	2446190	99.60	99.02
38.00		*MACH SUBTOTAL	12.5	10.1	88.15	38128	46400	820	45580	119.54	105.37
33.66		MACH TOTAL 1.09091	643.1	584.8	99.20	2494178	2535990	44220	2491770	99.90	99.11
40.00	1206	CUSTOM OFFSET	31.8	31.3	107.38	144292	150140		150140	104.05	
45.00	1207	CUSTOM OFFSET	4.1	3.7	99.45	18621	20430		20430	109.71	
50.00	1208	CUSTOM OFFSET	113.0	106.2	102.53	620851	658666	430	658236	106.02	
35.00	1209	CUSTOM OFFSET	4.9	4.7	104.64	28735	31070		31070	108.13	
50.00	1210	CUSTOM OFFSET	68.3	66.4	106.06	404363	455870		455870	112.74	
70.00	1211	CUSTOM OFFSET	7.3	6.9	103.11	39686	46810		46810	117.95	
30.00	1581	CW ALLIED BULKING B	11.8	5.6	51.77	31328	29610		29610	94.52	
35.00	1582	ALLIED BULKING BOOK	17.5	16.2	100.99	91172	89970		89970	98.68	
32.00	1802	ALLIEDS PRIDE	4.8	2.2	50.00	8553	9150		9150	106.98	
30.00	1825	TENNYSON OFFSET	3.7	3.4	100.25	19317	20940		20940	108.40	
30.00	1904	TENNYSON OFFSET									
45.00	3001	SUPERIOR OFFSET BOO	13.9	12.1	94.96	69917	74230		74230	106.17	
45.00	3041	SPEC HYNMAL OPAQUE	4.6	4.4	104.35	22554	25350		25350	112.40	
50.00	4240	TIFFANY OPAQUE	12.5	11.0	96.00	46904	43210		43210	92.12	
40.50	6705*	WHITE STRAW WRAP	8.9	7.2	88.25	35769	39960		39960	111.72	
40.00	7100	K WHITE OFFSET	31.7	29.5	101.52	137882	145540	2990	142550	103.39	
45.00	7101	K WHITE OFFSET	22.7	19.2	92.27	93608	102960		102960	109.99	
50.00	7102	K WHITE OFFSET	95.9	87.9	99.99	522449	532122	1100	531022	101.64	
60.00	7104	K WHITE OFFSET	38.7	37.2	104.86	218962	250610	1280	249330	113.87	
50.00	7122	BW K OFFSET ANTIQUE	9.8	9.0	100.19	52959	54940		54940	103.74	
55.00	7123	BW K OFFSET ANTIQUE	2.3	2.3	109.09	13678	15000	2600	12400	90.66	

865359 SA

REPORT: R4PS7610 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 861230 DAILY PRODUCTION SYSTEM
RUN TIME: 261000 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1986

	BASIS WGHT	GRDE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC	N EF
8	60.00	7124	BW K OFFSET ANTIQUE	22.2	18.8	92.38	116792	131326		131326	112.44	
8	55.00	7132	CW K HI BULK OFFSET	7.8	7.3	102.10	43332	41320		41320	95.36	
8	36.00	7136	BW K OFFSET M F	9.9	9.1	100.28	36036	43100		43100	119.60	
8	40.00	7200	WHITE OPAQUE	20.5	19.4	103.24	94103	93380		93380	99.23	
8	50.00	7202	WHITE OPAQUE	67.4	60.9	98.57	354766	350535	4160	346375	97.63	
8	60.00	7204	WHITE OPAQUE	17.2	14.7	93.23	90779	95230		95230	104.90	
	51.47		MACH SUBTOTAL	644.3	589.4	99.80	3321639	3511509	12560	3498949	105.34	10
	40.50		*MACH SUBTOTAL	8.9	7.2	88.25	35769	39960		39960	111.72	9
	51.35		MACH TOTAL 1.09091	653.2	596.6	99.64	3357408	3551469	12560	3538909	105.41	10
9	45.00	1000	Q P OFFSET	127.4	122.7	105.07	635035	713130		713130	112.30	
9	35.00	1205	CUSTOM OFFSET	10.0	9.6	104.73	35801	39810		39810	111.20	
9	40.00	1206	CUSTOM OFFSET	20.6	20.2	106.97	94462	102280	1480	100800	106.71	
9	45.00	1207	CUSTOM OFFSET	2.7	2.7	109.09	14096	13270		13270	94.14	
9	50.00	1208	CUSTOM OFFSET	69.4	65.5	102.96	366844	379820		379820	103.54	
9	60.00	1210	CUSTOM OFFSET	16.9	13.8	89.08	83052	92730		92730	111.65	
9	70.00	1211	CUSTOM OFFSET	2.2	2.2	109.09	13914	8920		8920	64.11	
9	35.00	1805	ALLIEDS PRIDE	5.4	5.4	109.09	19845	22640		22640	114.08	
9	35.00	2241	OFF WHITE LAWYERS O	47.1	35.6	82.46	134668	120210	2220	117990	87.68	
9	43.00	2243	BW LAWYERS OFFSET W	29.7	28.6	105.05	140411	139560		139560	99.39	
9	28.00	2502	SOLITUDE OPAQUE	5.3	5.3	109.09	14914	14520		14520	97.36	
9	35.00	2504	SOLITUDE OPAQUE	36.1	32.8	99.12	120539	117150		117150	97.19	
9	35.00	2514	I. M. OPAQUE	17.2	15.9	100.85	63336	64270		64270	101.47	
9	50.00	2536	SP. WEB OPAQUE VELL	6.1	4.8	85.84	27854	32695		32695	117.38	
9	30.00	2543	Z-LITE PLUS S									
9	50.00	2702	BRYANT HI-BRITE OPA	31.3	29.8	103.86	167020	178020		178020	106.59	
9	50.00	2902	DICKENS OFFSET	15.8	13.5	93.21	68243	43080		43080	63.13	
9	60.00	3503	SCHOOL COTE	5.3	4.0	82.33	21529	14660	2490	12170	56.53	
9	35.00	3835	WHITE BOOK LITE	3.3	3.3	109.09	12127	11390		11390	93.92	
9	40.00	7000	BLUE WHITE OFFSET	23.1	20.9	98.70	97683	88680		88680	90.78	
9	40.00	7100	K WHITE OFFSET	26.6	25.0	102.53	118331	105720	1080	104640	88.43	
9	45.00	7101	K WHITE OFFSET	5.9	5.3	98.00	24056	24590		24590	102.22	
9	50.00	7102	K WHITE OFFSET	15.0	11.9	86.55	65792	61780	830	60950	92.64	
9	60.00	7104	K WHITE OFFSET	10.8	10.2	103.03	62593	53120	1000	52120	83.27	
9	70.00	7105	K WHITE OFFSET	4.3	4.0	101.48	22512	22420		22420	99.59	
9	36.00	7136	BW K OFFSET M F	23.5	22.8	105.84	90288	88250		88250	97.74	
9	40.00	7200	WHITE OPAQUE	23.7	23.1	106.33	108040	113840	1300	112540	104.17	
9	45.00	7201	WHITE OPAQUE	.6	.6	109.09	2969	8300		8300	279.56	
9	50.00	7202	WHITE OPAQUE	7.3	7.0	104.61	38259	39380		39380	102.93	
9	68.50	9029*	SATURATED GRAVURE B	28.5	25.9	99.14	119733	136940		136940	114.37	
9	40.00	9035*	SATURATED LABEL BAS	11.4	9.7	92.82	32174	37900		37900	117.80	
9	40.00	9600	TRIAL RUNS									
	44.90		MACH SUBTOTAL	592.6	546.5	100.60	2664113	2714235	10400	2703835	101.49	10
	62.32		*MACH SUBTOTAL	39.9	35.6	97.33	151907	174840		174840	115.1	11

SH 055360

BASIS WGHT	GRDE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC	MACH EFFIC
45.96		MACH TOTAL 1.09091	632.5	582.1	100.40	2816020	2889075	10400	2878675	102.22	102.63
44.37		MILL D SUBTOTAL	1867.5	1710.6	99.93	8441802	8715334	66360	8648974	102.45	102.38
54.66		*MILL D SUBTOTAL	61.3	52.9	94.14	225804	261200	820	260380	115.31	108.56
44.67		MILL D TOTAL	1928.8	1763.5	99.74	8667606	8976534	67180	8909354	102.79	102.52
43.39		BOOK MILL SUBTOT	3087.6	2809.5	99.27	12825102	12920929	172711	12748218	99.40	98.67
54.66		*BOOK MILL SUBTOT	61.3	52.9	94.14	225804	261200	820	260380	115.31	108.56
43.62		BOOK MILL TOTAL	3148.9	2862.4	99.17	13050906	13182129	173531	13008598	99.68	98.84
90.00	871	MASTERBASE TYPE V L									
		BLADE COATER1.14286									
43.39		GRAND SUBTOTAL	3087.6	2809.5	99.27	12825102	12920929	172711	12748218	99.40	98.67
54.66		*GRAND SUBTOTAL	61.3	52.9	94.14	225804	261200	820	260380	115.31	108.56
43.62		GRAND TOTAL	3148.9	2862.4	99.17	13050906	13182129	173531	13008598	99.68	98.84

865361 SA

REPORT: K4F57610 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 851126 DAILY PRODUCTION SYSTEM
RUN TIME: 403300 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1985

MACH UNIT	GR CD	GRADE NAME	UNITS AVAIL	UNITS ACT	EFFIC	PRODUCTION STD	WINDER	OFF-Q	ACT	EFFIC	MACH EFFIC
5	30.00	1800	ALLIED PRIDE	13.5	13.1	106.73	54077	55230		55230	102.13	
5	40.00	1810	ALLIED PRIDE	52.4	51.3	106.39	164706	168630	1260	16737	101.62	
5	33.00	1833	DW SPECIAL PRIDE						1300	1300-		
5	20.00	2121	LW BRITISH OPAQUE	50.0	48.1	104.95	132521	126700	2862	123838	95.45	
5	20.00	2122	LW BRITISH OPAQUE	5.6	5.0	97.40	14847	12200		12200	82.17	
5	20.00	2123	CW BRITISH OPAQUE	76.5	76.7	103.61	202194	209600	6430	203170	100.41	
5	20.00	2124	LW/WT BRITISH OPA	141.0	131.3	101.59	304520	296210	11430	274780	93.23	
5	30.00	2242	LW LAWYERS OFFSET W	96.4	85.9	97.21	248947	243540	6555	236985	95.43	
5	40.00	2243	LW LAWYERS OFFSET W	10.5	10.5	109.09	35556	26560		26560	74.70	
5	20.00	2245	LW LAWYERS OFFSET W	9.2	7.9	92.67	22543	21360		21360	94.75	
5	33.00	2406	SHAKLSPEARL THIN	33.9	36.5	102.64	112080	114790	2280	112510	100.38	
5	32.00	2407	SHAKLSPEARL THIN	42.1	41.3	107.02	132003	116070	2780	113290	85.52	
5	40.00	2440	SHAKLSPEARL THIN	7.0	7.4	100.91	22870	24320		24320	106.34	
5	30.00	2504	SCRITO OPAQUE	14.9	13.9	102.46	41160	40360	1350	39010	94.76	
5	40.00	2505	MANUEL OFFSET WF	35.3	27.3	84.37	96902	78110		78110	80.61	
5	21.00	2541	ACME LIGHTWEIGHT	23.2	23.0	107.69	45884	47400	580	46720	101.82	
5	20.00	2542	ACME LIGHTWEIGHT	7.3	7.1	106.10	18110	18270		18270	100.83	
	30.17		MACH TOTAL 1.02091	642.1	605.4	101.75	1648847	1589350	36927	1552423	94.15	95.80
6	40.00	1206	CUSTOM OFFSET	15.1	17.1	102.95	86745	98340		98340	113.37	
6	40.00	1207	CUSTOM OFFSET	17.3	17.7	94.00	85585	82420		82420	95.17	
6	30.00	1209	CUSTOM OFFSET	47.4	49.4	101.13	190115	193920		193920	107.56	
6	20.00	1211	CUSTOM OFFSET						700	700-		
6	40.00	2360	MANUAL OFFSET WF	29.4	28.8	106.86	166492	173150		173150	104.00	
6	50.00	3002	SUPERIOR OFFSET 300	24.1	23.7	107.28	170803	169610		169510	99.30	
6	40.00	3041	SPEC FYNMAL OPAQUE	30.2	24.6	88.86	166343	149600	2530	147070	88.41	
6	42.00	3119	DIAMD ENGINEERING	13.2	12.9	106.51	83052	85450		85450	102.89	
6	50.00	7112	K WHITE OFFSET	47.1	46.5	97.96	291181	269220	1100	268120	92.08	
6	50.00	7113	K WHITE OFFSET	1.4	1.4	109.09	10510	10850		10850	103.33	
6	50.00	7114	K WHITE OFFSET	111.7	101.1	93.65	757107	775460	5940	768520	101.51	
6	70.00	7122	K WHITE OFFSET	23.1	22.0	103.90	152168	155910		155910	102.46	
6	50.00	7122	DW K OFFSET ANTIQUE	14.9	12.4	90.79	86372	79740	1050	78690	91.11	
6	50.00	7123	CW K OFFSET ANTIQUE	3.7	3.1	102.48	23272	20100		20100	86.37	
6	60.00	7124	LW K OFFSET ANTIQUE	6.5	6.2	104.06	45174	47520		47520	105.19	
6	50.00	7132	CW K HI BULK OFFSET	6.3	5.9	102.16	44934	48090	1610	46480	103.44	
6	30.00	7203	WHIT OPAQU	2.7	2.8	109.09	19756	20400		20400	103.26	
6	30.00	7203	WHITE OPAQU	7.3	6.6	100.00	52778	56220		56220	106.52	
6	30.00	7204	WHIT OPAQU	2.3	1.6	87.27	12334	9440	2360	7080	57.40	
6	24.00	7241	IACO BLUE PAPER 200	110.0	106.7	105.82	438537	454230		454230	103.58	
6	29.00	7605	BLUE PAPER 7600	163.0	152.2	101.86	675768	701040		701040	103.74	
	45.12		MACH SUBTOTAL	825.8	790.8	101.21	3445981	3495270	16290	3478980	100.95	112.18
	49.00		MACH SUBTOTAL	13.2	12.9	106.61	83052	85450		85450	102.89	100.00
	45.11		GRAND TOTAL 1.09091	839.0	803.7	101.32	3529033	3580720	16290	3564430	101.0	112.31

SD 065362

4 wks, Nov. 86

REPORT: I.4[illegible]
RUN DATE: 861126
RUN TIME: 4[illegible]

S C M A L L I E D P A P E R I N C.
DAILY PRODUCTION SYSTEM
PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1986

MACH NUM	GRADE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC	MACH EFFIC
4[illegible]		MILL C SUBTOTAL	1285.9	1196.2	101.48	5094828	5084620	53217	5031403	98.76	100.22
49.00		*MILL C SUBTOTAL	13.2	12.9	106.61	83052	85450		85450	102.89	109.59
49.39		MILL C TOTAL	1299.1	1209.1	101.53	5177880	5170070	53217	5116853	98.82	100.34
7	1105	[illegible] SHADE	124.3	120.3	105.58	964443	975390	21636	954754	98.28	
7	1200	CUSTOM OFFSET	3.3	3.3	99.71	43144	45630		45630	105.76	
7	1207	CUSTOM OFFSET	3.4	3.4	109.09	57789	61980		61980	107.21	
7	1208	CUSTOM OFFSET	41.3	40.9	108.03	293430	301280		301280	102.68	
7	1210	CUSTOM OFFSET	9.2	8.5	100.79	63027	61700		61700	97.89	
7	1800	ALLIEDS PRIDE	4.5	4.5	106.72	20073	24480		24480	121.95	
7	1802	ALLIEDS PRIDE	20.7	18.2	95.92	80599	86200		86200	106.95	
7	1805	ALLIEDS PRIDE	12.0	11.5	104.55	60112	65740	2620	63120	105.00	
7	1842	[illegible] ALLIEDS PRIDE	61.7	52.2	93.81	126064	118400		118400	93.92	
7	2240	[illegible] LAWYERS [illegible]	54.7	51.1	86.16	226940	215140	1050	214090	94.54	
7	2241	OFF WHITE LAWYERS [illegible]						1250	1250-		
7	2400	SEARLESEARLETHIN	59.9	56.2	100.53	201155	210500		210600	104.69	
7	2424	HIGH STRENGTH WH. [illegible]	15.8	15.1	104.26	51411	50500		50500	98.23	
7	2503	SOLITUDE OPAQUE	76.0	71.3	102.34	311733	307660		307660	98.69	
7	2505	SOLITUDE OPAQUE	2.4	2.4	109.09	13520	13680		13680	101.18	
7	2528	SOLITUDE OPAQUE	17.3	15.6	98.37	61551	58040		58040	94.30	
7	3[illegible]	WHITE SOLI LIT									
7	7100	K WHITE OFFSET	5.4	5.1	94.00	47026	54210	1260	52950	112.60	
7	7101	K WHITE OFFSET	21.9	21.4	107.09	133414	152720		152720	110.34	
7	7102	K WHITE OFFSET	23.1	23.1	109.09	162404	171570	1980	169590	104.42	
7	7103	K WHITE OFFSET	7.3	7.3	109.09	49055	54000		54000	110.08	
7	7104	K WHITE OFFSET	21.9	21.8	109.09	151848	172480	4450	168030	110.66	
7	7200	WHITE OPAQUE	11.7	10.3	96.04	57551	54470		54470	94.65	
7	7202	WHITE OPAQUE	11.3	11.3	109.09	83291	78730		78730	94.52	
7	7204	WHITE OPAQ[illegible]	5.5	5.3	105.12	37396	44080		44080	121.22	
7	9000	[illegible] UNS									
[illegible]		MACH TOTAL [illegible]	630.5	593.3	101.21	2901978	2979580	33246	2946334	101.53	102.76
8	1200	CUSTOM OFFSET	92.1	90.0	106.60	402100	455120		455120	113.19	
8	1207	CUSTOM OFFSET	2.4	2.4	109.09	11239	12450	1120	11330	100.81	
8	1208	CUSTOM OFFSET	87.9	85.3	105.86	502107	519220	3630	515590	102.69	
8	1209	CUSTOM OFFSET	25.4	24.2	103.04	144334	170520		170520	118.14	
8	1210	CUSTOM OFFSET	11.1	10.7	105.15	67154	76270	1220	75050	111.75	
8	1211	CUSTOM OFFSET	11.7	11.2	104.43	67501	63850		63850	94.59	
8	1212	CUSTOM OFFSET	5.1	5.1	109.09	30408	34640		34640	113.92	
8	1802	ALLIED TALKING BOOK	35.2	28.0	80.58	148121	142400		142400	96.14	
8	1805	ALLIEDS PRIDE	11.1	10.5	103.19	38587	46690		46690	121.00	
8	2904	DICKENS OFFSET	5.9	5.5	101.70	30954	36090		36090	116.59	
8	3200	SUPERIOR OFFSET EDG	5.9	5.3	103.79	23033	22520	2270	20250	97.92	
[illegible]	3241	[illegible] OPAQUE	1[illegible]	.7	103.74	5[illegible]71	55[illegible]30		55[illegible]30	111.[illegible]	
[illegible]	5[illegible]	[illegible] UNCT[illegible]	7.9	7.3	102.10	44213	41590	1[illegible]50	29540	94.5[illegible]	
[illegible]	7[illegible]	[illegible] WHITE [illegible] T	12.7	11.2	99.16	52343	43590		43590	83.27	

SA 065363

			RUN TIME			PRODUCTION				
			AVAIL	ACT	EFFIC	T	INDEX	OFF-G	ACT	EFFIC
	7100	K WHITE OFFSET	12.2	11.2	93.37	1 [illegible]	194710	1070	193040	101.27
	7101	K WHITE OFFSET	3.4	3.4	109.09	17111	17190		17190	100.45
	7102	K WHITE OFFSET	40.8	39.3	102.41	221509	224060	1260	222900	100.58
	7104	K WHITE OFFSET	20.3	19.3	106.40	121417	137920		137920	113.59
	7105	K WHITE OFFSET	9.2	8.8	104.35	56275	62000		62000	123.32
	7107	K WHITE OFFSET	3.9	3.5	97.90	20350	23730		23730	116.56
	7109	B.W. K OFFSET ANTIQ	4.1	3.3	87.80	17921	18130		18130	98.58
	7121	BW K OFFSET ANTIQUE	7.0	6.3	105.97	33491	34230		34230	102.24
	7122	BW K OFFSET ANTIQUE	52.6	56.2	98.46	345441	381870		381870	110.23
	7123	BW K OFFSET ANTIQUE	15.5	15.4	108.39	91222	105960		105960	116.16
	7124	BW K OFFSET ANTIQUE	13.0	12.4	104.06	71313	77820		77820	109.12
	7166	CW KNAPP AD OPAQUE	3.0	3.0	109.09	20065	21210		21210	96.13
	7201	WHITE OPAQUE	50.1	49.4	107.57	243648	270570		270570	111.32
	7202	WHITE OPAQUE	41.9	41.7	106.57	251453	270610		270610	107.59
	7204	WHITE OPAQU	2.4	2.0	90.91	12005	13600		13600	113.28
	9500	TRIAL RUNS	.4							
		MACH TOTAL 1.09091	603.3	610.9	102.01	3323407	3574440	24220	3550220	106.82
	1000	Q P OFFSET	150.9	147.1	105.34	761317	799900	3010	793890	104.23
	1206	CUSTOM OFFSET	10.9	10.7	107.09	46063	45390		45890	99.62
	1207	CUSTOM OFFSET	39.3	37.2	102.74	181506	189160		189160	104.15
	1208	CUSTOM OFFSET	121.5	115.1	104.24	654425	694295	1400	692895	105.89
	1210	CUSTOM OFFSET	44.5	38.3	94.38	219831	221750	2420	219340	10 .14
	1300	ALLIED BRIDE	68.8	64.4	103.69	310168	330560	900	329660	106.28
45.00	2243	BW LAWYERS OFFSET W	11.2	10.9	105.19	54972	58240		58240	106.14
33.00	2406	SHAKESPEARE THIN	12.5	11.1	96.87	37994	42070		42070	110.73
50.00	2507	SOLITUDE OPAQUE	7.0	7.0	109.09	35246	37410		37410	106.14
34.00	2545	A.P. LIGHTWEIGHT	14.5	13.0	97.81	48394	40490		40490	83.67
[illegible]	[illegible]	SCHOOL COTE	4.0	4.0	109.09	21454	19440		19440	90.61
40.00	7000	BLUE WHITE OFFSET	23.9	20.2	92.20	34414	36760		36760	91.29
45.00	7100	K WHITE OFFSET	12.9	12.5	106.55	53930	52590		52590	97.52
45.00	7101	K WHITE OFFSET	13.0	11.4	95.66	58353	58330	900	57430	98.39
50.00	7102	K WHITE OFFSET	21.4	20.4	103.99	112378	122220		122220	108.76
60.30	7104	K WHITE OFFSET	4.5	4.5	109.09	28273	18760		18760	66.35
40.00	7200	WHITE OPAQUE	15.3	14.2	101.25	60670	50790		50790	83.72
45.00	7201	WHITE OPAQUE	2.7	2.5	105.05	12748	14080		14080	110.45
50.00	7202	WHITE OPAQUE	21.0	20.5	106.49	112282	114300	2020	112280	99.33
[illegible]	7204	WHITE OPAQU	4.3	3.9	98.94	20592	21120		21120	102.56
[illegible]	[illegible]	SATURATED GRAVURE [illegible]								
[illegible]	[illegible]	SATURATED VELLUM BA	17.2	14.7	99.59	[illegible]	83670		3 70	121.23
40.00	9038*	SATURATED LABEL BAS	13.8	12.3	101.19	42457	47230	4220	43010	101.30
46.18		MACH SUBTOTAL	624.3	590.2	103.13	2924927	3015165	10650	3004515	102.72 105.
50.22		*MACH SUBTOTAL	31.7	27.5	94.64	111477	130900	4220	126680	113.64 107.
[illegible]		MACH TOTAL 1.09091	656.0	617.7	102.72	3036404	3146065	14870	3131195	103.12 105.

865364 SA

REPORT: R4[illegible]7[illegible]
RUN DATE: 3[illegible]112[illegible]
RUN TIME: 4[illegible]3[illegible]00

S C [illegible] A L L I E D P A P E R I N C.
DAILY PRODUCTION SYSTEM
PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1986

				UN TIME			PRODUCTION					MACH
	[illegible]	[illegible]	[illegible]	AVAIL	ACT	EFFIC	STD	WINDER	OFF-Q	ACT	EFFIC	EFFIC
	44.9[illegible]		MILL D SUBTOTAL	1917.11	794.4	102.11	9150312	9569185	68116	9501069	103.83	106.02
	[illegible].22		*MILL D SUBTOTAL	31.7	27.5	94.64	111477	130900	4220	126680	113.64	107.54
	45.17		MILL D TOTAL	1943.81	821.9	101.99	9261789	9700085	72336	9627749	103.95	106.02
	4[illegible].4[illegible]		LOCK MILL SUBTOT	32[illegible]3.0[illegible]	[illegible]90.6	101.86	14245140	14653805	121333	14532472	102.02	1[illegible]3.91
	[illegible]		*LOCK MILL SUBTOT	44.9	4[illegible].4	98.16	194529	216350	4220	212130	109.05	107.[illegible]4
	4[illegible]		LOCK MILL TOTAL	3247.93	031.0	101.81	14439669	14870155	125553	14744602	102.11	103.96
7	90.00	371	MASTERBASE TYPE V L									
			BLADE COATER1.14286									
	4[illegible].4[illegible]		GRAND SUBTOTAL	3[illegible]3.0[illegible]	[illegible]90.6	101.86	14245140	14653805	121333	14532472	102.02	1[illegible]3.91
	[illegible]		*GRAND SUBTOTAL	44.9	4[illegible].4	98.16	194529	216350	4220	212130	109.05	107.[illegible]4
	4[illegible].3[illegible]		GRAND TOTAL	3247.93	031.0	101.81	14439669	14870155	125553	14744602	102.11	103.96

104%

SA 065365

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PROGRAM: N4FS7216 S C H A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 861120 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1986

ACH	[illegible]	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
[illegible]	ALLIED [illegible]	610	570	1	11940	93.44
		610	590	4	43290	96.72
			586	5	55230	96.01
1610	ALLIEDS PRIDE	560	530	9	109350	94.64
		560	580	2	42210	103.57
		560	590	1	17360	105.35
			549	12	168630	98.01
2101	[illegible] SPAGU	660	610	1	9060	92.42
		660	620	3	45180	93.93
		660	630	1	2700	95.45
		660	660	5	69760	100.00
			642	10	126700	97.20
2102	[illegible] SPAGU	640	640	2	12200	100.00
			640	2	12200	100.00
2102	[illegible] SPAGU	710	690	2	37170	97.13
		710	700	12	172430	98.59
			698	14	209600	98.34
[illegible]	[illegible] SPAGU	700	650	3	24200	92.85
		700	680	19	262010	97.14
			677	22	286210	96.78
2240	[illegible] LA YERS OFFSET W/WAX	640	500	1	6760	78.12
		640	600	1	17890	93.75
		640	620	12	202210	96.87
		640	660	1	16680	103.12
			618	1[illegible]	243540	96.5[illegible]
2240	[illegible] LA YERS OFFSET W/WAX	560	520	2	22330	92.85
		560	540	1	----	96.42
		560	660	1	4230	117.85
			542	4	26560	96.83
2240	[illegible] LA YERS OFFSET W/WAX	660	660	2	21360	100.00
			660	2	21360	100.00
2406	[illegible] THI	600	540	1	5630	90.00
		600	600	5	109160	100.00
			597	6	114790	99.51
2407	SHAKESPEARE THI	610	570	6	116070	93.44
			570	6	116070	93.44
4[illegible]	[illegible] THI	560	540	2	24320	96.42
			540	2	24320	96.42

SA 065366

PROGRAM: M4PS721C S C M A L L I E D P A P E R I N C. PAGE 2
RUN DATE: 861125 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	504	SPECIALTY CF/GU	610	570	2	19960	93.44
			610	690	3	20400	113.11
				631	5	40360	103.3[illegible]
	2535	MANUAL OFFSET HE	560	520	5	78110	92.85
				520	5	78110	92.[illegible]
	2541	A.P. LIGHTWEIGHT	710	650	1	8340	91.54
			710	690	2	22540	97.18
			710	700	1	16520	98.59
				686	4	47400	96.58
	2542	A.P. LIGHTWEIGHT	670	620	2	18270	92.53
				620	2	18270	92.53
				624	116	1589350	97.[illegible]

SA 065367

PROGRAM: [illegible]
FOR DATE: [illegible]

S C M A L L I E D P A P E R I N C.
DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,19[illegible]

PAGE [illegible]

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN [illegible]	EFFICIENCY
[illegible]	[illegible]	CUSTOM OFFSET	750	700	1	[illegible]	[illegible]
			750	800	[illegible]	10320	[illegible]
				796	6	98340	106.17
	1207	CUSTOM OFFSET	740		1		
			740	760	2	28900	102.70
			740	780	1	20080	105.40
			740	800	1	13440	108.10
				775	5	62420	104.73
	12[illegible]	CUSTOM OFFSET	730	750	1	13300	102.73
			730	760	7	168960	104.10
			730	800	1	11660	109.58
				762	9	193920	104.34
	[illegible]	MANUAL OFFSET MF	750	790	1	3900	104.00
			750	790	4	169250	10[illegible].33
				790	5	173150	10[illegible].30
	3002	SUPERIOR OFFSET BOOK	730	730	4	169610	100.00
				730	4	169610	100.00
	[illegible]41	SPEC HYNMAL OPAQUE	740	770	4	139630	104.[illegible]5
			740	790	1	9970	10[illegible].75
				771	5	149600	104.[illegible]
	[illegible]19	DIAZO ENGINEERING BASE	650	750	3	85450	115.38
				750	3	85450	115.38
	7102	K WHITE OFFSET	730	540	1	8000	73.97
			730	640	1	1320	87.67
			730	690	3	64670	94.52
			730	730	3	75220	100.00
			730	740	1	15170	101.3[illegible]
			730	750	6	103340	102.73
				723	15	269220	98.99
	7103	K WHITE OFFSET	710	750	1	10860	105.63
				750	1	10860	105.63
	71[illegible]	K WHITE OFFSET	630	600	1	29070	[illegible]
			630	610	2	102010	95.3[illegible]
			630	640	11	597030	101.58
			630	690	3	47350	109.[illegible]
				638	17	775460	101.20
	71[illegible]	K WHITE OFFSET	540	540	3	98[illegible]20	100.00
			540	590	1	57490	109.[illegible]
				558	4	15[illegible]910	103.41

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PROGRAM: N4PS7210 S C H A L L I E D P A P E R I N C. PAGE 4
RUN DATE: 061120 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1986

ACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7122	BULK OFFSET ANTIQUE	730	710	2	12060	97.26
			730	730	5	67680	100.00
				727	7	79740	99.59
	7123	BULK OFFSET ANTIQUE	710	710	1	20100	100.00
				710	1	20100	100.00
	7124	BULK OFFSET ANTIQUE	630	710	2	47520	112.69
				710	2	47520	112.69
	7132	CK HI BULK OFFSET	710	710	1	48090	100.00
				710	1	48090	100.00
	7202	WHITE OPAQUE	730	760	1	20400	104.10
				760	1	20400	104.10
	7203	WHITE OPAQUE	710	730	2	56220	102.81
				730	2	56220	102.81
	7204	WHITE OPAQUE	630	690	1	9440	109.52
				690	1	9440	109.52
	[illegible]	[illegible]	735		1		
			735	760	1	34320	103.40
			735	770	9	276410	104.76
			735	780	3	108530	106.12
			735	800	1	34970	108.84
				774	15	454230	105.30
	[illegible]	[illegible]	735	600	1	31720	81.63
			735	770	20	669320	104.76
				762	21	701040	103.71
				723	125	3580720	103.29

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PROGRAM: RPS7210 S C H A L L I E D P A P E R I N C. PAGE
RUN DATE: 861126 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.12

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCES	RUN LBS	EFFICIENCY
[illegible]	[illegible]	[illegible]	850	850	1	2733	.3
			850	880	17	542050	103.42
				866	18	575390	101.94
	1205	CUSTOM OFFSET	850	870	3	45630	102.35
				870	3	45630	102.35
	1207	CUSTOM OFFSET	790	800	2	20300	101.25
			790	830	2	41680	105.06
				820	4	61980	103.32
	1208	CUSTOM OFFSET	780	760	2	97540	97.43
			780	780	9	203740	100.00
				774	11	301280	99.17
	1210	CUSTOM OFFSET	670	700	2	61700	104.47
				700	2	61700	104.47
	1300	ALLIEDS PRIDE	850	900	2	24480	105.88
				900	2	24480	105.88
	1302	ALLIEDS PRIDE	850	880	2	39910	103.52
			850	900	2	46290	105.88
				891	4	86200	104.79
	1303	ALLIEDS PRIDE	850	880	1	18460	103.52
			850	900	1	47280	105.88
				894	2	65740	105.22
	1342	** ALLIEDS PRIDE	790		1		
			790	800	7	114630	101.26
			790	860	1	3770	108.86
				802	9	118400	101.50
	2240	SW LAWYERS OFFSET W/WAX	850		1		
			850	860	11	215140	101.17
				860	12	215140	101.17
	2400	SHAKESPEARE THIN	830	850	8	210600	102.40
				850	8	210600	102.40
	2404	HIGH STRENGTH SBL OFFSET	830	860	3	50300	103.61
				860	3	50300	103.61
	2500	SOLITUDE OPAQUE	850	870	1	23340	102.35
			850	880	18	284320	103.52
				879	19	307660	103.43
	2502	SOLITUDE OPAQUE	840	850	1	13580	101.19

865370 SA

PROGRAM: N4PS721D S C M A L L I E D P A P E R I N C. PAGE 6
RUN DATE: 061126 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				350	1	13690	101.19
	2526	SOLITUDE OP/COV	830	870	3	58040	104.81
				870	3	58040	104.81
	7100	K WHITE OFFSET	840	870	1	14250	103.57
			840	900	2	39960	107.14
				92	3	54210	105.90
	7101	K WHITE OFFSET	790	780	3	152720	98.73
				780	3	152720	98.73
	7102	K WHITE OFFSET	780	780	3	130570	100.00
			780	800	1	41000	102.56
				785	4	171570	100.11
	7103	K WHITE OFFSET	730	740	2	54000	101.36
				740	2	54000	101.36
	7104	K WHITE OFFSET	670	710	4	167360	105.97
			670	800	1	5120	119.40
				713	5	172480	106.37
	7200	WHITE PAGE	840	860	3	54470	102.39
				860	3	54470	102.39
	7202	WHITE OPAQUE	780		1		
			780	700	2	51010	89.74
			780	760	2	27720	97.43
				721	5	78730	92.45
	7204	WHITE OPAQUE	670	750	1	44980	111.94
				750	1	44930	111.94
	9600	TRIAL RUNS		890	2		
					2		
				826	129	2979580	102.11

SB 065371

S C H A L L I E D P A P E R I N C.

DAILY PRODUCTION SYSTEM

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1[illegible]

[illegible]	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
12[illegible]	CUSTOM OFFSET	750		1		
		750	780	[illegible]	455120	104.[illegible]
			780	21	455120	104.00
1207	CUSTOM OFFSET	750	780	2	12450	104.00
			780	2	12450	104.00
1208	CUSTOM OFFSET	750	750	1	1010	100.00
		750	770	2	37250	102.66
		750	780	28	480960	104.00
			779	31	519220	103.90
1209	CUSTOM OFFSET	690	750	2	73600	108.69
		690	760	1	32250	110.14
		690	770	1	52670	111.59
		690	780	2	12000	113.04
			760	6	170520	110.17
1210	CUSTOM OFFSET	640	710	2	45280	110.93
		640	780	2	30990	121.87
			738	4	76270	115.38
1211	CUSTOM OFFSET	560	600	3	32620	107.14
		560	780	2	31230	139.[illegible]
			688	5	53850	122.[illegible]
1212	CUSTOM OFFSET	460	500	1	34640	108.69
			500	1	34640	108.69
1502	ALLIED BULKING BOOK	690	700	6	136880	101.44
		690	760	1	5520	110.14
			702	7	142400	101.78
1[illegible]	ALLIEDS PRIDE	750	780	3	46690	104.00
			780	3	46690	104.00
2904	DICKENS OFFSET	640	700	2	36090	109.37
			700	2	36090	109.37
3000	SUPERIOR OFFSET BOOK	750		1		
		750	780	2	22[illegible]	104.[illegible]
			780	3	22520	104.00
3041	SPEC HYNMAL OPAQUE	750	770	2	55830	102.66
			770	2	55830	102.66
3100	CAN GUN STOCK	640	700	2	41590	109.37
			700	2	41590	109.37

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PROGRAM: N4PS7217 S C M A L L I E D P A P E R I N C. PAGE 8
RUN DATE: 001125 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1985

ACT	GRA	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7[illegible]	[illegible] WHITE OFFSET	750	780	2	43590	104.00
				780	2	43590	104.00
	7100	K WHITE OFFSET	750	700	2	68010	93.33
			750	780	6	126700	104.00
				752	8	194710	100.27
	7101	K WHITE OFFSET	750	600	1	950	80.00
			750	700	1	16240	93.33
				694	2	17190	92.59
	7102	K WHITE OFFSET	750	700	1	3040	93.33
			750	770	4	39830	102.66
			750	780	16	181190	104.00
				777	21	224060	103.[illegible]
	7104	K WHITE OFFSET	640	700	8	134080	109.37
			640	780	1	3840	121.87
				702	9	137920	109.72
	7105	K WHITE OFFSET	560	600	1	48200	107.14
			560	780	1	13800	139.28
				640	2	62000	114.[illegible]
	7107	K WHITE OFFSET	460	510	2	23730	110.86
				510	2	23730	110.86
	7109	[illegible] K OFFSET ANTIQUE	360	400	1	3520	111.11
			360	510	1	14660	141.66
				489	2	18180	135.74
	7121	[illegible] K OFFSET ANTIQUE	750	780	3	34230	104.00
				780	3	34230	104.00
	7122	[illegible] K OFFSET ANTIQUE	750	700	1	24770	93.33
			750	750	1	2520	100.00
			750	780	12	354580	104.00
				775	14	381870	103.28
	7123	[illegible] K OFFSET ANTIQUE	690	720	1	25230	104.34
			690	750	6	80730	108.[illegible]
				743	7	105960	107.65
	7124	[illegible] K OFFSET ANTIQUE	640	700	6	61700	109.37
			640	710	2	16120	110.93
				702	8	77820	109.[illegible]
	7[illegible]	[illegible] OF [illegible]	650	640	2	21210	98.4[illegible]
				640	2	21210	98.[illegible]

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MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7[illegible]	WHITE OPAQUE	750	730	[illegible]	270570	104.00
				780	8	270570	104.00
	7202	WHITE OPAQUE	750	780	11	270610	104.00
				780	11	270610	104.00
	7204	WHITE OPAQUE	640	700	1	13600	109.37
				700	1	13600	109.37
	9600	TRIAL RUNS			3		
					3		
				753	194	3574440	105.38

SA 065374

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1030	[illegible] OFFSET	730		2		
			730	740	2	67850	101.36
			730	750	1	45250	102.73
			730	760	12	421860	104.10
			730	770	8	260940	105.47
				761	25	796900	104.24
	1206	CUSTOM OFFSET	750	760	1	39120	101.33
			750	780	1	7770	104.00
				763	2	45890	101.78
	1207	CUSTOM OFFSET	730	760	6	95290	104.10
			730	770	5	93870	105.47
				765	11	189160	104.78
	1208	CUSTOM OFFSET	720		1		
			720	650	1	3000	90.27
			720	740	7	114300	102.77
			720	750	16	362040	104.16
			720	760	8	214955	105.55
				751	33	694295	104.30
	1217	CUSTOM OFFSET	630		1		
			630	650	2	44570	103.17
			630	660	6	122630	104.76
			630	670	1	31640	106.34
			630	760	1	11480	120.63
			630	770	1	11440	122.22
				670	12	221760	106.39
	1507	ALLIED PRINT	750	740	1	28940	98.66
			750	760	5	152100	101.33
			750	770	4	96160	102.66
			750	780	2	53360	104.00
				764	12	330560	101.91
	2243	SW LAWYERS OFFSET W/WAX	740	760	2	58240	102.70
				760	2	58240	102.70
	2403	[illegible] CASE THIN	740	800	2	42070	108.10
				800	2	42070	108.10
	2507	SOLITUDE OPAQUE	720	740	2	37410	102.77
				740	2	37410	102.77
	2545	A.P. LIGHTWEIGHT	750	770	3	40490	102.66
				770	3	40490	102.66
	3000	SCHOOL [illegible]	600	630	2	19440	105.00

SA 055375

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				630	2	19440	100.00
	7000	BLUE WHITE OFFSET	750		1		
			750	750	2	43740	100.00
			750	760	2	43020	101.33
				755	5	86760	100.66
	7100	K WHITE OFFSET	750	710	1	23520	94.66
			750	770	2	29070	102.65
				743	3	52590	99.08
	7101	K WHITE OFFSET	730	760	4	58330	104.10
				760	4	58330	104.10
	7102	K WHITE OFFSET	720	730	2	12680	101.38
			720	750	5	85910	104.16
			720	760	2	23630	105.55
				750	9	122220	104.14
	7104	K WHITE OFFSET	630	630	1	13860	100.00
			630	650	1	4900	103.17
				635	2	18760	100.83
	7200	WHITE OPAQUE	750	770	4	50790	102.66
				770	4	50790	102.66
	7201	WHITE OPAQUE	730	750	1	14080	102.73
				750	1	14080	102.73
	7202	WHITE OPAQUE	720	740	1	4960	102.77
			720	750	5	109340	104.16
				750	6	114300	104.10
	7204	WHITE OPAQUE	630	670	2	21120	106.34
				670	2	21120	106.34
	9030	SATURATED VELLUM BASE	450	500	1	21440	111.11
			450	510	4	62230	113.33
				507	5	83670	112.76
	9035	SATURATED LABEL BASE	640	650	3	47230	101.56
				650	3	47230	101.56
				742	150	3146065	104.10

065376
SA

PROGRAM: R4PS7210 S C M A L L I E D P A P E R I N C. PAGE 12
RUN DATE: 861128 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11-1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	871	MASTERBASE TYPE V ETHW-S	300		84		
					84		
					84		

SH 865372

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1986

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
4		ALLIEDS PRIDE	105	106	1	11940	100.95
			105	105	4	43290	100.00
				105	5	55230	100.21
	1810	ALLIEDS PRIDE	122	105	9	157000	86.06
			122	104	3	11530	85.24
				105	12	168630	86.00
	2101	DW BRITISH OPAQUE	121	112	10	126700	92.56
				112	10	126700	92.56
	2102	DW BRITISH OPAQUE	107	116	2	12200	108.41
				116	2	12200	108.41
	2122	DW BRITISH OPAQUE	105	114	7	107610	109.57
			105	100	7	101990	95.23
				107	14	209600	102.09
	2124	EX. WT. BRITISH OPAQUE	114	114	5	51530	100.00
			114	112	2	29540	98.24
			114	100	15	205140	87.71
				104	22	286210	91.01
	2241	DW LAWYERS OFFSET W/WAX	110	115	2	21050	104.54
			110	113	13	222490	102.72
				113	15	243540	102.83
	2243	DW LAWYERS OFFSET W/WAX	110	102	4	26560	92.72
				102	4	26560	92.72
	2245	DW LAWYERS OFFSET W/WAX	116	116	2	21360	100.00
				116	2	21360	100.00
	2406	SHAKESPEARE THIN	110	116	5	114790	105.45
				116	6	114790	105.45
	2407	SHAKESPEARE THIN	110	113	3	63750	102.72
			110	112	3	52320	101.81
				113	6	116070	102.31
	2408	SHAKESPEARE THIN	110	101	2	24320	91.81
				101	2	24320	91.81
	2504	SOLITUDE OPAQUE	110	107	3	20400	97.27
			110	106	1	8040	96.36
			110	98	1	11920	89.09
				104	5	40360	94.67
	2535	MANUAL OFFSET MF	110	116	5	78110	105.45

865378 SA

PROGRAM: R4PS7410 S C H A L L I E D P A P E R I N C. PAGE 2
RUN DATE: 051125 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1986

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCES	QUANTITIES	EFFICIENCY
				116	5	78110	105.45
	2541	A.F. LIGHTWEIGHT	116	105	4	47400	90.51
				105	4	47400	90.51
	2542	A.F. LIGHTWEIGHT	110	110	2	18270	100.00
				110	2	18270	100.00
				109	116	1589350	97.15

SA 065379

S C M A L L I E D P A P E R I N C.

DAILY PRODUCTION SYSTEM

MACH TRIM EFFICIENCY BY GRADE THRU WEEK # OF MONTH 11.1[illegible]

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
[illegible]	[illegible]	CUSTOM OFFSET	142	142	3	[illegible]116	100.[illegible]
			142	140	2	[illegible]9150	98.[illegible]
			142	136	1	19[illegible]20	95.77
				140	6	98340	98.66
	1207	CUSTOM OFFSET	142	132	2	28900	97.18
			142	136	2	20080	95.77
			142	11[illegible]	1	13440	83.09
				133	5	52420	9[illegible]
	1208	CUSTOM OFFSET	148	147	1	13300	99.32
			148	145	1	22080	97.97
			148	140	5	99470	94.59
			148	139	2	59070	93.91
				141	9	193720	95.09
	[illegible]	ANUAL OFFSET [illegible]	140	141	5	17315[illegible]	100.71
				141	5	173150	100.71
	3002	SUPERIOR OFFSET BOOK	142	143	4	169610	100.70
				143	4	169510	100.70
	[illegible]041	SPEC HYNMAL OPAQUE	142	147	5	149600	103.52
				147	5	149600	103.52
	[illegible]	DIAZO ENGINEERING BASE	15[illegible]	146	2	72220	97.37
			150	128	1	13230	85.33
				143	3	85450	95.47
	7102	K WHITE OFFSET	142	147	2	10780	103.52
			142	146	3	96710	102.81
			142	144	2	16490	101.40
			142	141	1	8890	99.[illegible]
			142	140	5	114320	98.[illegible]
			142	138	2	21540	97.1[illegible]
				143	15	269220	100.39
	7103	K WHITE OFFSET	142	138	1	10860	97.18
				138	1	10860	97.1[illegible]
	71[illegible]	[illegible] WHITE OFFSET	142	143	2	35300	100.7[illegible]
			142	142	14	728110	100.0[illegible]
			142	125	1	9050	88.0[illegible]
				142	17	775460	99.[illegible]9
	7105	K WHITE OFFSET	145	131	4	155[illegible]10	89.72
				131	4	155910	89.72
	71[illegible]	[illegible] OFFSET ARTIQUE	142	146	2	[illegible]0420	102.[illegible]1

065380
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PROGRAM: M4P5741C S C M A L L I E D P A P E R I N C. PAGE 4
RUN DATE: 861125 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1986

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			142	138	2	12060	97.18
			142	135	2	29760	95.07
			142	125	1	7500	88.02
				139	7	79740	97.58
	7123	[illegible] OFFSET ANTIQUE	142	138	1	20100	97.18
				138	1	20100	97.18
	712[illegible]	[illegible] OFFSET ANTIQUE	142	138	2	47520	97.18
				138	2	47520	97.18
	7132	[illegible] BULK OFFSET	142	140	1	48090	98.59
				140	1	48090	98.59
	7[illegible]	[illegible]	140	140	1	20400	100.00
				140	1	20400	100.00
	7203	WHITE OPAQUE	140	147	2	56220	105.00
				147	2	56220	105.00
	7204	WHITE OPAQUE	140	146	1	9440	104.28
				146	1	9440	104.28
	900[illegible]	[illegible]	140	150	15	454230	101.35
				150	15	454230	101.35
	9005	GREEN PAPER 9005	148	148	21	701040	100.00
				148	21	701040	100.00
				144	125	3580720	99.39

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[illegible]	[illegible]	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	110	[illegible]	133	138	18	575390	100.00
				138	18	575390	100.00
	1205	CUSTOM OFFSET	138	134	1	14510	97.10
			138	125	2	31120	90.57
				128	3	45630	92.65
	1207	CUSTOM OFFSET	138	128	2	41680	92.75
			138	121	2	20300	87.59
				125	4	61980	91.09
	1208	CUSTOM OFFSET	136	138	1	37070	101.47
			136	135	2	97540	99.26
			136	133	3	38570	97.79
			136	132	2	73960	97.05
			136	130	1	9340	95.58
			136	128	2	44300	94.11
				133	11	301280	97.92
	1210	CUSTOM OFFSET	136	134	1	40500	98.52
			136	129	1	21200	94.85
				132	2	61700	97.25
	1800	ALLIEDS PRIDE	136	132	1	14580	97.05
			136	130	1	9900	95.[illegible]
				131	2	24480	96.45
	1802	ALLIEDS PRIDE	134	121	4	86200	90.29
				121	4	86200	90.29
	1805	ALLIEDS PRIDE	136	132	2	65740	97.05
				132	2	65740	97.05
	1[illegible]	[illegible] ALLIEDS PRIDE	132	125	5	66380	94.69
			132	124	4	51520	93.93
				125	9	118400	94.36
	2240	BW LAWYERS OFFSET W/WAX	136	138	6	107920	101.47
			136	137	3	61410	100.73
			136	110	3	45810	80.88
				132	12	215140	96.87
	2452	SHAKESPEARE THIN	133	137	5	210600	103.00
				137	8	210600	103.00
	2424	HIGH STRENGTH WH. OFFSET	134	128	3	50500	95.52
				128	3	50500	95.52
	[illegible]	SOLITUDE OPAQUE	134	137	2	26290	102.[illegible]

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DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1986

ACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			134	131	8	142970	97.7[illegible]
			134	125	9	138400	93.29
				129	19	307660	96.13
	2505	SOLITUDE OPAQUE	136	123	1	13680	90.44
				123	1	13680	90.44
	[illegible]	SOLITUDE OPAQUE	134	137	3	58040	102.23
				137	3	58040	102.23
	7100	K WHITE OFFSET	136	128	2	39960	94.11
			136	123	1	14250	90.44
				127	3	54210	93.15
	7101	K WHITE OFFSET	136	132	3	152720	97.[illegible]
				132	3	152720	97.[illegible]
	7102	K WHITE OFFSET	136	134	1	61580	98.[illegible]
			136	133	2	68990	97.79
			135	122	1	41000	89.70
				131	4	171570	96.12
	7103	K WHITE OFFSET	135	120	2	54000	88.23
				120	2	54000	88.23
	7104	K WHITE OFFSET	136	136	1	5120	100.00
			136	124	4	167360	91.17
				124	5	172480	91.43
	7200	WHITE OPAQUE	136	122	3	54470	89.70
				122	3	54470	89.70
	7201	WHITE OPAQUE	136	138	2	34830	101.47
			136	136	2	43900	100.00
			136		1		
				137	5	78730	100.65
	7204	WHITE OPAQUE	136	126	1	44980	92.64
				126	1	44980	92.64
	9505	TRIAL RUNS		138	2		
					2		
				131	129	2979580	96.95

SA 065383

SCM ALLIED PAPER INC. 7

DAILY PRODUCTION SYSTEM

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCES	QUAN LBS	EFFICIENCY
12	[illegible]	CUSTOM OFFSET	105	116	2	2440	110.47
			105	114	3	72750	108.57
			105	112	2	21280	106.66
			105	108	9	245770	102.85
			105	105	5	90920	100.00
				109	21	455120	103.78
12[illegible]		CUSTOM OFFSET	122	105	1	6120	86.06
			122	96	1	6330	78.68
				100	2	12450	82.31
1200		CUSTOM OFFSET	106	121	1	10380	114.15
			106	120	5	80570	113.20
			106	119	4	109820	112.26
			106	118	4	71400	111.32
			106	117	2	22550	110.37
			106	115	2	15910	108.49
			106	114	2	14040	107.54
			106	110	4	85550	103.77
			106	105	5	97020	99.05
			106	102	2	11970	96.22
				114	31	519220	107.75
1205		CUSTOM OFFSET	110	115	2	31550	104.54
			110	114	1	7300	103.63
			110	110	3	31470	100.00
				113	6	170520	102.33
1210		CUSTOM OFFSET	105	121	1	20430	115.23
			105	116	2	45230	110.47
			105	114	1	10560	108.57
				117	4	75270	111.43
1211		CUSTOM OFFSET	110	122	2	20370	110.90
			110	109	1	11650	99.09
			110	105	1	12390	95.45
			110	104	1	18040	94.54
				111	5	63850	100.92
1214		CUSTOM OFFSET	110	116	1	3454	105.45
				115	1	34640	105.45
1302		ALLIED BULKING BOOK	105	110	2	52100	104.76
			105	105	4	84720	100.00
			105	100	1	5520	95.23
				107	7	142400	101.55
13[illegible]		ALLIED PRICE	105	10	3	16590	100.0
				105	3	46890	100.0

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MCH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	3304	DICKENS OFFSET	124	105	2	36090	84.67
				105	2	36090	84.67
	3006	SUPERIOR OFFSET BOOK	110	106	3	22520	96.36
				106	3	22520	96.36
	3041	SPEC HYMAL OFFSET	110	111	1	43920	100.90
			110	110	1	11910	100.00
				111	2	55830	100.71
	3100	CAP GUN STOCK	108	113	2	41590	104.62
				113	2	41590	104.62
	7[illegible]	SLC WHITE OFFSET	110	114	2	43590	103.63
				114	2	43590	103.63
	7100	K WHITE OFFSET	110	118	3	33110	107.27
			110	116	2	68010	105.45
			110	104	3	93590	94.54
				111	8	194710	100.52
	7101	K WHITE OFFSET	110	108	2	17190	98.18
				108	2	17190	98.18
	7102	K WHITE OFFSET	110	121	1	19220	110.00
			110	120	4	34140	109.09
			110	117	2	10970	106.36
			110	116	1	16820	105.45
			110	115	2	13000	104.54
			110	112	3	41280	101.81
			110	106	3	49490	96.36
			110	105	1	7680	95.45
			110	101	3	24420	91.81
			110	100	1	7040	90.90
				112	21	224060	101.42
	7104	K WHITE OFFSET	110	123	1	9030	111.81
			110	120	2	45180	109.09
			110	117	1	41140	106.36
			110	107	2	22750	97.27
			110	105	2	15980	95.45
			110	100	1	3840	90.90
				115	9	137920	104.42
	7105	K WHITE OFFSET	110	121	1	13800	110.00
			110	101	1	48200	91.81
				105	2	62000	95.[illegible]

SR 085385

PROGRAM: MPS7410 S C A L L I E D P A P E R I N C. PAG
RUN DATE: 861126 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1986

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
71	7	K WHITE OFFSET	110	115	1	11790	104.54
			110	114	1	11240	103.22
				114	2	23730	104.08
	7109	D.W. K OFFSET ANTIQUE	110	122	2	18180	110.90
				122	2	18180	110.90
	7121	DW K OFFSET ANTIQUE	110	120	2	19200	109.09
			110	95	1	15030	86.35
				109	3	34230	99.11
	7122	DW K OFFSET ANTIQUE	110	123	5	229280	111.81
			110	120	2	36160	109.09
			110	115	2	9620	104.54
			110	112	3	66850	101.51
			110	110	1	20500	100.00
			110	105	1	19460	95.45
				119	14	381370	108.15
	7123	DW K OFFSET ANTIQUE	110	120	2	13430	109.09
			110	119	2	46680	108.18
			110	104	1	14480	94.54
			110	103	2	31320	93.63
				112	7	105960	102.13
	7129	DW K OFFSET ANTIQUE	110	116	1	10040	105.45
			110	115	2	31370	104.54
			110	102	2	19170	92.72
			110	100	2	11930	90.90
			110	95	1	5310	86.36
				108	9	77820	98.41
	710	DW KRAFT AD OPAQUE	120	123	2	21210	102.50
				123	2	21210	102.50
	7200	WHITE OPAQUE	110	120	8	270570	109.09
				120	8	270570	109.09
	720	WHITE OPAQUE	110	122	1	17950	110.90
			110	121	2	67960	110.01
			110	120	3	120490	109.09
			110	109	2	11340	99.09
			110	105	2	27720	95.45
			110	100	1	26050	90.90
				116	11	270610	105.37
	7204	WHITE OPAQUE	110	112	1	13500	101.81
				112	1	13600	101.81

865386 SA

PROGRAM: M4P37410 S C M A L L I E D P A P E R I N C. PAGE 10
RUN DATE: 061126 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1996

ACT	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	9600	TRIAL RUNS		108	2		
					1		
					3		
				113	194	3574440	104.30

SA 065387

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1988

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	100	G P OFFSET	114	114	24	796900	100.00
			114		1		
				114	25	796900	100.00
	1206	CUSTOM OFFSET	102	105	2	45890	102.94
				105	2	45890	102.94
	1207	CUSTOM OFFSET	106	116	1	13300	109.43
			106	114	2	13290	107.54
			106	110	1	11200	103.77
			106	108	3	77010	101.89
			106	105	3	44400	99.05
			106	104	1	29460	98.11
				108	11	189160	101.69
	1208	CUSTOM OFFSET	110	120	2	29700	109.09
			110	118	7	185590	107.27
			110	116	7	61660	105.45
			110	114	6	268900	103.63
			110	111	2	22750	100.90
			110	108	1	15245	98.18
			110	105	4	66140	95.45
			110	104	2	44310	94.54
				114	33	694295	103.43
	1210	CUSTOM OFFSET	110	115	2	44030	104.54
			110	113	1	20160	102.72
			110	108	2	22200	98.18
			110	105	5	92290	95.45
			110	104	2	43080	94.54
				108	12	221760	98.01
	1[illegible]	ALLIEDS PRIDE	110	105	12	330560	95.45
				105	12	330560	95.45
	2243	GW LAWYERS OFFSET W/WAX	110	116	2	58240	105.45
				116	2	58240	105.45
	2406	SHAKESPEARE THIN	110	105	2	42070	95.45
				105	2	42070	95.45
	2507	SOLITUDE OPAQUE	110	105	1	33810	95.45
			110	104	1	3600	94.54
				105	2	37410	95.36
	2545	A.P. LIGHTWEIGHT	110	107	1	12030	97.27
			110	106	2	28460	96.36
				106	3	40490	96.[illegible]

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MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1986

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	3503	SCHOOL COTE	105	116	1	10540	110.47
			105	115	1	8900	109.52
				116	2	19440	110.04
	7000	BLUE WHITE OFFSET	110	114	4	86760	103.63
			110	---	1	-----	-----
				114	5	86760	103.63
	7100	K WHITE OFFSET	110	105	1	23520	95.45
			110	104	2	29070	94.54
				104	3	52590	94.95
	7101	K WHITE OFFSET	110	116	2	23960	105.45
			110	114	1	22520	103.63
			110	99	1	11350	90.00
				112	4	58330	101.61
	7102	K WHITE OFFSET	110	117	2	12680	106.36
			110	116	2	36330	105.45
			110	113	1	12290	102.72
			110	112	1	12000	101.81
			110	108	2	17240	98.18
			110	104	1	31680	94.54
				111	9	122220	101.06
	7106	K WHITE OFFSET	110	119	2	18760	108.18
				119	2	18760	108.18
	7200	WHITE OPAQUE	110	105	3	44430	95.45
			110	98	1	6360	89.09
				104	4	50790	94.65
	7201	WHITE OPAQUE	110	108	1	14080	98.18
				108	1	14080	98.18
	7202	WHITE OPAQUE	110	117	1	4960	106.36
			110	116	3	51810	105.45
			110	107	2	57530	97.27
				112	6	114300	101.37
	7204	WHITE OPAQUE	110	100	2	21120	90.90
				100	2	21120	90.90
	9030	SATURATED VELLUM BASE	123	118	2	35820	95.93
			123	116	3	47850	94.30
				117	5	83670	95.00
	9035	SATURATED LABEL BASE	119	107	3	47230	89.91
				107	3	47230	89.91

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1985

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				111	153	3146365	106.63

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MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1986

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	971	MASTER CASE TYPE V LTHW-S	102	107	63		104.49
			102		21		
					84		
					84		

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October '86

REPORT: R4P57610 S C M A L L I E D P A R I N C. PAGE 1
RUN DATE: 861029 DAILY PRODUCTION SYSTEM
RUN TIME: 241500 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10 1986

BASIS WGHT	GRADE CODE	GRADE NAME	TIME AVAIL	TIME ACT	TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC	MACH EFFIC
40.00	1207	A T PRIDE	41.8	38.8	101.26	131179	124910	4420	120490	91.85	
35.00	1803	ALLIED PRIDE	4.5	4.5	109.09	13455	19400		19400	144.18	
25.00	1820	ALLIED PRIDE	24.2	22.8	102.78	60012	57970		57970	96.60	
24.00	2121	BRITISH OPAQUE	15.0	16.0	109.09	44082	43980		43980	99.77	
24.00	2124	XTRA WHITE BRITISH	1.1.	[illegible]	103.51	246161	239180	1620	[illegible]	96.[illegible]	
20.00	2203	EXPORT [illegible]									
50.00	2240	LADY [illegible] WHITE [illegible]	37.5	36.4	105.89	102[illegible]61	110990		110990	108.20	
50.00	2241	LADY [illegible] OFFSET	83.8	80.3	104.80	246902	247917	14230	233687	94.65	
20.00	2420	SPEC. SHAKESPEARE T	112.7	97.7	94.57	175090	115714	13760	101954	58.23	
30.00	2303	SOLITUDE OPAQUE	58.9	46.2	85.57	138196	123900	7620	116280	84.14	
35.00	2514	INTERNATIONAL HARVE	12.3	12.3	109.09	36678	42330	1100	41230	112.41	
21.00	2541	A.I. LIGHTWEIGHT TY									
30.00	2542	A.I. LIGHTWEIGHT	9.6	7.5	95.14	22594	18240		18240	80.98	
25.00	2543	A.I. LIGHTWEIGHT	22.[illegible]	21.2	102.79	64421	66020		66020	102.48	
20.00	2544	A.I. LIGHTWEIGHT	2[illegible].2	23.3	92.07	63497	54200		54200	85.36	
50.00	3011	ANTI [illegible] KLITE	15.6	15.6	91.50	42330	48610		48610	114.84	
35.00	3835	WHITE BOOK LITE	45.0	43.4	105.21	129416	131840	1300	130540	100.87	
50.00	7122	B W K OFFSET - ANTI	22.3	21.4	104.69	85394	72500		72500	84.90	
31.88		MACH TOTAL	1.02021	638.5	104.5	99.86	1601838	1517701	44050	1473651	92.00	91.87
30.00	1203	A.T. PRIDE	1[illegible].7	1[illegible].3	104.23	73803	70360	2500	67860	91.94	
40.00	1205	SPEC A.T. PRIDE									
40.00	1207	A T PRIDE	[illegible].8	[illegible].8	94.65	32134	42790	5050	37740	98.97	
50.00	1208	A.T. PRIDE	54.2	50.2	101.04	350428	327580	19310	308270	87.97	
60.00	1210	GENERIC OFFSET	13.5	13.3	107.01	74387	73150		73150	98.34	
40.00	2535	MANUAL OFFSET	7.9	7.5	103.57	43050	44460	6360	38100	83.50	
30.00	2536	L.T. MANUAL	41.3	32.5	104.34	274595	263400		263400	95.92	
60.00	2537	MANUAL OFFSET [illegible]	[illegible].7	[illegible].2	93.52	37339	39560		39560	105.95	
60.00	2904	DICKENS OFFSET	12.4	10.4	91.50	72625	56570		56570	77.85	
70.00	3000	SUPERIOR OFFSET	1[illegible].3	1[illegible].4	103.15	905594	940610		940610	104.35	
50.00	3002	W K BAY TIDINGS OPAQ	18.2	15.6	107.03	110073	102400	3240	99160	90.02	
45.00	3119	WHITE DIAZO PAPER	[illegible].5	[illegible].5	109.09	40517	50320		50320	124.19	
40.00	7100	K WHITE OFFSET	51.[illegible]	[illegible]7.2	102.30	329125	344200	2480	341720	103.82	
45.00	7101	K WHITE OFFSET	5.5	[illegible].1	100.83	39072	40200		40200	102.89	
50.00	7102	K WHITE OFFSET	51.3	49.3	99.05	346531	307980	7750	300230	86.64	
60.00	7104	K WHITE OFFSET	[illegible]6.5	[illegible]6.0	107.03	139530	166720	1710	165010	87.[illegible]	
70.00	7105	K WHITE OFFSET	[illegible].7	.1	105.46	59075	69520		69520	116.11	
40.00	7120	B W K OFFSET - ANTI	28.4	1.2	104.60	289697	297220		297220	102.60	
50.00	7122	B W K OFFSET - ANTI	[illegible].2	[illegible].2	105.24	56950	54130		54130	95.05	
35.00	7123	B W K OFFSET - ANTIQ	6.9	6.2	98.02	46798	47100		47100	100.65	
60.00	7124	B W K OFFSET ANTIQU	3.0	2.5	90.91	16500	11950		11950	72.42	
35.00	7152	C [illegible] BULK OFFSET	1[illegible].5	1[illegible].5	109.09	80456	84300		84300	104.78	
50.00	7154	WAVERLY OPAQUE	[illegible].7	.7	109.09	5395	4380		4380	81.17	
[illegible]	[illegible]	[illegible] BOSTON	[illegible].0	[illegible].1	[illegible].23	407121	414720	38700	[illegible]	[illegible].[illegible]	
[illegible]	[illegible]	[illegible]									

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ALLIED PAPER INC.

DAILY PRODUCTION SYSTEM

PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1986

						PRODUCTION				
			AVAIL	ACT	EFFIC	TY	UNDER	OVER	ACT	EFFIC	MACH EFFIC
31.10		MACH SUBTOTAL	644.2	597.1	100.92	3747253	3703100	87100	3616000	95.50	97.44
45.00		MACH SUBTOTAL	6.5	6.4	109.09	40517	50320		50320	124.13	135.69
31.14		MACHINE TOTAL 1.09091	640.9	593.6	101.06	3787770	3753420	87100	3666320	96.79	97.82
45.00		MILL CLOUT TOTAL	127.3	117.1	100.42	574900	720901	131150	589751	97.15	96.53
		MILL CLOUT TOTAL	.1	.1	109.09	4517	5035		5035	124.1	140.41
45.00		MILL C TOTAL	127.3	117.1	100.46	5309508	5271121	131150	5139971	95.37	95.81
30.00	1100	37 RAWTEXT NEW HAD	462.5	437.2	98.85	2044747	2075520	23835	2051685	100.34	
60.00	1210	GENERIC OFFSET	7.3	7.3	109.09	51508	41320		41320	80.22	
30.00	1300	2ND BACK									
30.00	1	ALLIED WHITE	5.7	5.7	106.40	5320	92250		92250	18.13	
30.00	1	ALLIED WHITE	.7	.7	109.09	1597	1700		1700	100.11	
30.00	1	OFF WHITE LAYS	7.1	6.8	102.86	30967	33940		33940	109.60	
30.00	2041	LAYS OFFSET	18.3	17.1	96.66	90872	102500		102500	112.80	
47.00	2247	OFF WH LAYERS OFF	36.3	35.7	107.29	246757	251730		251730	102.02	
30.00	2303	SOLITUDE OFFSET	39.4	42.9	92.86	183865	195250	1250	194000	107.26	
21.00	2541	AP LIGHT WEIGHT TY									
45.00	7101	WHITE OFFSET									
30.00	7102	WHITE OFFSET	.9	.1	99.29	59701	62990		62990	105.46	
60.00	7103	WHITE OFFSET	13.4	12.4	109.09	83107	83230		83230	100.47	
30.04		MACH TOTAL 1.09091	644.1	591.7	99.44	2878539	2945420	25085	2920335	101.45	100.89
30.00	1203	ALLIED PRIDE						580	580-		
40.00	1210	SPEC ALLIED PRIDE	7.3	6.5	98.63	23413	32760		32760	115.30	
30.00	1300	ALLIED PRIDE	38.8	38.7	106.08	233709	245680		245680	103.12	
30.00	1	ALLIED WHITE	6.5	6.2	109.09	36501	41100		41100	112.35	
30.00	1203	ALLIED PRIDE	21.1	21.1	91.29	93475	102280		102280	107.17	
30.00	1840	SPEC ALLIED PRIDE	84.6	74.5	96.07	270870	246940	8240	238700	88.12	
45.00	2247	OFF WHITE LAYERS	33.4	27.2	104.42	114864	129460		129460	112.71	
30.00	2301	SUPERIOR OFFSET	2.7	2.4	96.97	13644	15470		15470	113.32	
30.00	2303	SUPERIOR OFFSET	5.5	5.5	109.09	20442	21660		21660	105.96	
30.00	2309	SUPERIOR OFFSET	32.6	31.8	106.41	161544	192490		192490	119.15	
45.00	7103	WHITE OFFSET	19.3	15.6	105.13	81334	84490		84490	103.88	
30.00	7101	WHITE OFFSET	7.5	7.7	104.64	23322	23320	1800	21440	91.97	
30.00	7102	WHITE OFFSET	17.7	17.6	103.22	103171	1134710	3320	1126390	103.44	
30.00	7103	WHITE OFFSET	3.5	3.3	87.27	17065	17770	9130	8640	50.61	
45.00	7104	WHITE OFFSET	1.5	7.0	101.73	476833	556250		556250	116.66	
70.00	7105	WHITE OFFSET	5.4	5.4	109.09	30958	31500		31500	101.75	
60.00	7110	WHITE OFFSET AIT.	12.4	11.9	104.69	75194	90310		90310	120.12	
30.00	7102	WHITE OFFSET - AITI	13.3	13.9	93.93	76573	85350		85350	111.46	
30.00	7103	WHITE OFFSET - AITI	13.5	12.3	103.22	71956	75110	1000	75110	104.53	
30.00	7104	WHITE OFFSET - AITI	11.6	11.1	97.11	65767	77390		77390	117.67	
30.00	7105	WHITE OFFSET - AITI	6.4	6.2	105.42	72804	92910		92910	117.01	
30.00	7106	WHITE OFFSET - AITI	1.1	.1	106.37	2.1671	26080		26080	117.73	

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				ON TIME			PRODUCTION				
				AVAIL	ACT	EFFIC	T	WIN TP	[illegible]	ACT	EFFIC	EFF
[illegible]	[illegible]	[illegible]	[illegible]	4.2	3.2	76.12	1[illegible]	13[illegible]		1	[illegible]	
[illegible]	9000	TRIAL RUNS										
[illegible]		MACH TOTAL	1.03091	640.2	604.9	101.80	32[illegible]11	3575550	29170	3546380	109.05	111.0
9	30.00	1203	A.M. PRIDE	4.3	3.4	86.26	9761	3760		3760	38.52	
[illegible]	10.00	12[illegible]	SPEC A.M. PRIDE	26.0	21.4	100.13	22[illegible]	23564[illegible]		23564[illegible]	104.39	
[illegible]	[illegible]	1[illegible]	A[illegible]IDE	3[illegible].0	30.9	1[illegible].09	1[illegible]	191110	[illegible]	19[illegible]	1[illegible].71	
[illegible]	[illegible]	1[illegible]	[illegible]	2[illegible].1	19[illegible].3	102.41	10 1[illegible]	1070330	11030	1[illegible]7.	97.[illegible]	
[illegible]	30.00	1210	GENERIC OFFSET	41.9	40.0	104.14	241473	235630	1950	233780	95.81	
[illegible]	30.00	1203	PRIDE OPAQUE	40.6	34.8	78.11	111754	95310		95310	85.29	
[illegible]	30.00	1200	ALLIED PRIDE	13.4	7.6	61.87	28122	31260		31260	111.16	
[illegible]	[illegible]	1[illegible]4	BRITISH OPAQUE	5.9	5.1	94.30	19.[illegible]	17760		17760	110.59	
[illegible]	[illegible]	3	INTERNATIONAL TITLE	2.7	2.7	100.09	[illegible]773	9960		9960	12[illegible].75	
[illegible]	[illegible]	7	BRITISH OPAQUE	2.3	1.7	9.25	14 [illegible]	14320		14320	[illegible].[illegible]	
[illegible]	[illegible]	[illegible]	INTERNATIONAL	1.0	4.[illegible]	10[illegible].55	21 747	22[illegible]7[illegible]		[illegible]2 7	1[illegible].3[illegible]	
[illegible]	[illegible]	[illegible]	[illegible] LIGHTWEIGHT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
9	30.00	1545	A.P. LIGHTWEIGHT	12.2	12.2	109.09	4[illegible]39	41070		1070[illegible]	99.[illegible]	
9	30.00	3001	SCHOOL BOOK	3.6	6.9	87.53	57137	32920		32920	80.64	
[illegible]	30.00	7100	KRAFT OFFSET	2.8	2.7	105.19	17[illegible]2	13080		130[illegible]	10[illegible].14	
[illegible]	[illegible]	7101	KRAFT OFFSET	10.2	10.2	109.09	81 64	39550	1770	37780	74.34	
[illegible]	[illegible]	7102	KRAFT OFFSET	3[illegible].7	2[illegible].[illegible]	1[illegible].63	1[illegible]1 77	134[illegible]0	900	13[illegible] [illegible]	101.[illegible]	
[illegible]	[illegible]	71[illegible]	KRAFT OFFSET	14.4	14.1	104.94	9[illegible]990	[illegible]5150		[illegible]150	[illegible].[illegible]	
[illegible]	[illegible]	71[illegible]	KRAFT T.	4.[illegible]	[illegible].7	[illegible]4.[illegible]	1[illegible]	19[illegible]		19[illegible]	[illegible].[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]COLORED [illegible]	3.5	3.[illegible]	122.[illegible]	16477	16390		16[illegible]	115.57	
[illegible]	65.00	7101	RAVENSWOOD OPAQUE	2.1	16.3	81.45	77795	75300		75[illegible]	96.79	
9	30.00	7[illegible]	RAVENSWOOD OPAQUE	21.0	19.7	102.34	1[illegible]104	111600	3173	108427	103.16	
5	30.00	7[illegible]4	RAVENSWOOD OPAQUE	[illegible].5	[illegible].4	107.81	50[illegible]71	43000		[illegible]3000	9[illegible].29	
[illegible]	[illegible]	9[illegible]92	SATURATED GRAVURE	43.6	41.2	92.56	152102	220660	5[illegible]10	21[illegible]5	117.54	
[illegible]	[illegible]	[illegible]	TITLE RUN	1.7								
[illegible].77			[illegible] SUBTOTAL	[illegible].[illegible].7	[illegible]0.16		7 17	7[illegible]9[illegible]0	[illegible]1[illegible]41	[illegible]27 [illegible]317	[illegible]7.[illegible]	[illegible]7.
[illegible]			[illegible]GRAV SUBTOTAL	[illegible].6	41.2	92.56	1.[illegible]102	220660	5[illegible]10	[illegible]21[illegible]5	117.[illegible]4	115.[illegible]
[illegible].[illegible]4			MACH TOTAL 1.09091	640.2	586.9	99.08	2[illegible]7[illegible]84	2967520	2[illegible]253	2[illegible]3[illegible]7	9[illegible].14	98.2
4[illegible].4			[illegible]MILL E SUBTOTAL	1897.9	1742.3	100.13	3910332	3267930	75898	3191032	1[illegible].13	103.2
[illegible].56			[illegible]MILL G SUBTOTAL	43.6	41.2	92.56	1 [illegible]102	220660	5[illegible]10	[illegible]21[illegible]5	117.[illegible]4	115.[illegible]
[illegible].[illegible]			[illegible] TOTAL	[illegible] 43.[illegible]173	[illegible].[illegible]	100.11	5[illegible] [illegible]4	[illegible]2[illegible] 90	[illegible]5[illegible]0	[illegible]5[illegible]5	1 [illegible].42	[illegible].[illegible]
[illegible].[illegible]			[illegible]BOOK MILL SUBTOT	1[illegible]70.7	2613.0	101.26	142[illegible]423	14498731	20[illegible]48	142[illegible]683	10[illegible].14	101.3
[illegible].[illegible]			[illegible]BOOK MILL SUBTOT	52.1	47.7	99.88	2[illegible].[illegible]1	270980	[illegible]6[illegible]1	26[illegible]57	11[illegible].75	118.5
[illegible].[illegible]			[illegible]BOOK MILL TOTAL	22.2.8	2961.0	100.25	144[illegible].4[illegible]	14759711	214[illegible]5[illegible]	145[illegible]5[illegible],	1[illegible].4[illegible]	[illegible].[illegible]
1[illegible]	[illegible]	[illegible]	[illegible] T[illegible] - NO PL									
17	[illegible].[illegible]	71	[illegible] T[illegible] SE TYPE [illegible] L									

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[illegible]: [illegible]7610 S C M A L L I E D P A P [illegible] I N C. [illegible]
[illegible] DATE: [illegible]1023 DAILY PRODUCTION SYST [illegible]
[illegible] : [illegible] PRODUCTION EFFICIENCY BY GRADE THRU WEEK [illegible] OF MONTH 1[illegible].19

[illegible]	[illegible]	[illegible]	---- RUN TIME ---- AVAIL	ACT	EFFIC	---------- PRODUCTION ---------- T[illegible]	[illegible]	[illegible]	ACT	EFFIC	AC EFF
1[illegible]	[illegible]	[illegible]									
		BLADE COATER1.14286									
4[illegible].1[illegible]		GRAND SUBTOTAL	3170.72	913.9	100.26	14261423	14488731	206048	14250683	10[illegible].14	10[illegible].3
[illegible]4.[illegible]3		GRAND SUBTOTAL	52.1	47.7	99.88	222[illegible]13	270950	6610	26437[illegible]	11[illegible].75	11[illegible].[illegible]
[illegible]		GRAND TOTAL	[illegible]222.[illegible]	[illegible]61.[illegible]	10[illegible].25	144[illegible]	1475[illegible]711	[illegible]14[illegible]	1[illegible]	1[illegible]	100.6

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PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 861029 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1986

CH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1207	A 7 PRIDE	520	500	2	46040	96.15
			520	520	2	44460	100.00
			520	550	2	34410	105.76
				521	6	124910	100.17
	1805	ALLIED PRIDE	610	620	3	19400	101.63
				620	3	19400	101.63
	1828	ALLIED PRIDE	660	630	4	57970	95.45
				630	4	57970	95.45
	2101	BRITISH OPAQUE	660	680	1	21310	103.03
			660	690	1	22670	104.54
				685	2	43980	103.81
	2124	EXTRA WHITE BRITISH OPAQUE	700	670	3	57110	95.71
			700	680	3	56450	97.14
			700	685	1	17990	97.85
			700	690	6	99340	98.57
			700	700	1	8290	100.00
				683	14	239180	97.54
	2240	LAWYERS WHITE OFFSET	640	630	4	84230	98.43
			640	640	2	26760	100.00
				632	6	110990	98.81
	2241	LAWYERS OFFSET	610	620	5	118610	101.63
			610	630	8	100047	103.27
			610	650	2	29260	106.55
				628	15	247917	102.87
	2420	SPEC. SHAKESPEARE THIN	710	620	1	6270	87.32
			710	650	4	50060	91.54
			710	670	5	42070	94.36
			710	680	1	4230	95.77
			710	720	4	13084	101.40
				665	15	115714	93.61
	2503	SOLITUDE OPAQUE	640		1		
			640	640	9	123900	100.00
				640	10	123900	100.00
	2514	INTERNATIONAL HARVESTER OPAQUE	610	650	2	42330	106.55
				650	2	42330	106.55
	2543	A.P. LIGHTWEIGHT	640	630	1	11240	98.43
			640	640	2	7000	100.00
				634	3	18240	99.03

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2545	A.P. LIGHTWEIGHT	610	630	4	66020	103.27
				630	4	66020	103.27
	2549	A.P. LIGHTWEIGHT	670	670	4	54200	100.00
				670	4	54200	100.00
	3830	WHITE BOOKLITE	640	620	1	8160	96.87
			640	660	2	21570	103.12
			640	670	2	18880	104.68
				657	5	48610	102.68
	3835	WHITE BOOK LITE	610	570	1	10740	93.44
			610	620	5	94930	101.63
			610	650	1	3500	106.55
			610	670	1	22670	109.83
				625	8	131840	102.50
	7122	B W K OFFSET = ANTIQUE	500	460	4	72500	92.00
				460	4	72500	92.00
				628	105	1517701	99.71

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1986

CH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1205	A. M. PRIDE	760	770	1	8840	101.31
			760	800	2	61520	105.26
				796	3	70360	104.76
	1207	A 7 PRIDE	740	730	2	22630	98.64
			740	760	1	20160	102.70
				744	3	42790	100.55
	1208	A.M. PRIDE	730	730	3	68720	100.00
			730	740	2	35320	101.36
			730	770	5	223540	105.47
				758	10	327580	103.88
	1210	GENERIC OFFSET	630	650	5	73150	103.17
				650	5	73150	103.17
	2535	MANUAL OFFSET	750	760	2	44460	101.33
				760	2	44460	101.33
	2536	I B M MANUAL	730	730	4	72270	100.00
			730	740	3	70930	101.36
			730	760	5	120200	104.10
				746	12	263400	102.24
	2537	MANUAL OFFSET M.F.	630	650	3	39560	103.17
				650	3	39560	103.17
	2904	DICKENS OFFSET	630	680	2	26240	107.93
			630	700	1	9140	111.11
			630	750	1	21190	119.04
				709	4	56570	112.61
	3005	SUPERIOR OFFSET	540		1		
			540	550	14	840610	101.85
				550	15	840610	101.85
	3030	B W DAY TIMERS OPAQUE	730	740	3	102400	101.36
				740	3	102400	101.36
	6519	WHITE DIAZO PAPER	650	760	4	50320	116.92
				760	4	50320	116.92
	7100	K WHITE OFFSET	750	750	1	4240	100.00
			750	780	12	339960	104.00
				780	13	344200	103.95
	7101	K WHITE OFFSET	740	760	2	40200	102.70
				760	2	40200	102.70

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7102	K WHITE OFFSET	730		1		
			730	700	2	2500	95.89
			730	750	3	30600	102.73
			730	760	12	274880	104.10
				759	18	307980	103.90
	7104	K WHITE OFFSET	630		1		
			630	650	3	14470	103.17
			630	660	2	49800	104.76
			630	680	6	102450	107.93
				671	12	166720	106.57
	7105	K WHITE OFFSET	540	590	2	69520	109.25
				590	2	69520	109.25
	7120	B W K OFFSET - ANTIQUE	750	700	1	11100	93.33
			750	770	6	244000	102.66
			750	780	2	42120	104.00
				769	9	297220	102.50
	7122	B W K OFFSET - ANTIQUE	730	730	3	54130	100.00
				730	3	54130	100.00
	7123	BW K OFFSET - ANTIQUE	710	720	1	13200	101.40
			710	730	3	33900	102.81
				727	4	47100	102.41
	7124	B W K OFFSET ANTIQUE	630	660	1	11950	104.76
				660	1	11950	104.76
	7132	C W HI BULK OFFSET ANTIQUE	710	740	1	44750	104.22
			710	750	2	39550	105.63
				745	3	84300	104.88
	7204	RAVENSWOOD OPAQUE	630	650	1	4380	103.17
				650	1	4380	103.17
	9002	BLUE PAPER DD371388	735	780	4	128890	106.12
			735	800	11	285630	108.84
				794	15	414520	107.99
	9600	TRIAL RUNS			4		
				650	2		
				680	1		
					7		
				705	154	3753420	103.98

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1986

CH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	1100	BW RAMTEXT NEW SHADE EB	850		1		
			850	860	31	1002050	101.17
			850	865	2	61250	101.76
			850	870	5	143840	102.35
			850	880	15	465600	103.52
			850	890	3	121780	104.70
			850	900	8	281000	105.88
				873	65	2075520	102.64
	1210	GENERIC OFFSET	670	680	1	41320	101.49
				680	1	41320	101.49
	1826	ALLIED PRIDE	830	880	4	92250	106.02
				880	4	92250	106.02
	1842	ALLIED PRIDE	790	880	1	1700	111.39
				880	1	1700	111.39
	2239	OFF WHITE LAWYERS OFFSET	850	880	1	33940	103.52
				880	1	33940	103.52
	2241	LAWYERS OFFSET	850	880	2	55850	103.52
			850	888	2	46650	104.47
				884	4	102500	103.95
	2247	OFF WH LAWYERS OFFSET	790	780	2	83770	98.73
			790	790	2	115590	100.00
			790	810	1	52370	102.53
				791	5	251730	100.10
	2503	SOLITUDE OPACUE	850		1		
			850	760	1	16780	89.41
			850	870	1	37930	102.35
			850	880	2	45660	103.52
			850	920	3	94880	108.23
				887	8	195250	104.37
	7102	K WHITE OFFSET	780	680	1	5120	87.17
			780	780	1	57860	100.00
				772	2	62980	98.96
	7104	K WHITE OFFSET	670		1		
			670	670	1	37400	100.00
			670	680	1	50830	101.49
				676	3	88230	100.86
				856	94	2945420	102.56

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1206	SPEC A.M. PRIDE	750		1		
			750	780	1	32760	104.00
				780	2	32760	104.00
	1208	A.M. PRIDE	750	780	12	245680	104.00
				780	12	245680	104.00
	1210	GENERIC OFFSET	640	700	1	37290	109.37
			640	780	1	3810	121.87
				707	2	41100	110.53
	1803	ALLIED PRIDE	750	760	3	67670	101.33
			750	780	1	34610	104.00
				767	4	102280	102.23
	1840	SPEC ALLIED PRIDE	750	780	14	246940	104.00
				780	14	246940	104.00
	2570	C W ALCOTT M F	750	780	4	129460	104.00
				780	4	129460	104.00
	3001	SUPERIOR OFFSET	750	770	1	15470	102.66
				770	1	15470	102.66
	3005	SUPERIOR OFFSET	560	620	2	21660	110.71
				620	2	21660	110.71
	3006	SUPERIOR OFFSET	460	510	5	192490	110.86
				510	5	192490	110.86
	7100	K WHITE OFFSET	750	770	1	15150	102.66
			750	780	4	69340	104.00
				778	5	84490	103.76
	7101	K WHITE OFFSET	750	770	3	23320	102.66
				770	3	23320	102.66
	7102	K WHITE OFFSET	750		1		
			750	580	1	6630	77.33
			750	700	1	8760	93.33
			750	710	1	13200	94.66
			750	760	4	117360	101.33
			750	770	2	52040	102.66
			750	780	38	936720	104.00
				775	48	1134710	103.32
	7103	K WHITE OFFSET	690	710	1	8620	102.89
			690	730	1	9150	105.79
				720	2	17770	104.38

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,1986

CH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7104	K-WHITE OFFSET	640	690	2	15400	107.81
			640	700	17	539150	109.37
			640	780	1	1700	121.87
				700	20	556250	109.36
	7105	K WHITE OFFSET	560	580	1	31500	103.57
				580	1	31500	103.57
	7110	K OFFSET ANT.	590	650	1	25390	110.16
			590	670	1	61210	113.55
			590	700	1	3710	118.64
				666	3	90310	112.81
	7122	B W K OFFSET - ANTIQUE	750	770	1	35030	102.66
			750	780	6	50320	104.00
				776	7	85350	103.45
	7123	BW K OFFSET - ANTIQUE	690	740	1	29130	107.24
			690	780	6	46980	113.04
				765	7	76110	110.82
	7124	B W K OFFSET ANTIQUE	640		1		
			640	700	4	77390	109.37
				700	5	77390	109.37
	7136	WHITE SPECIAL OFFSET	750	700	1	38160	93.33
			750	780	3	54750	104.00
				747	4	92910	99.62
	7202	RAVENSWOOD OPAQUE	750	780	8	260980	104.00
				780	8	260980	104.00
	7204	RAVENSWOOD OPAQUE	640	700	2	16620	109.37
				700	2	16620	109.37
	9600	TRIAL RUNS		700	1		
					1		
				741	162	3575550	105.41

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	1203	A.M. PRIDE	740	770	1		104.05
			740	780	1	3760	105.40
				780	2	3760	105.40
	1206	SPEC A.M. PRIDE	750	770	12	188380	102.66
			750	780	3	47260	104.00
				772	15	235640	102.93
	1207	A 7 PRIDE	730		1		
			730	750	2	50710	102.73
			730	760	2	50470	104.10
			730	770	5	89930	105.47
				762	10	191110	104.38
	1208	A.M. PRIDE	720	540	1	46540	75.00
			720	740	2	42290	102.77
			720	750	46	838810	104.16
			720	760	7	142660	105.55
				742	56	1070300	103.02
	1210	GENERIC OFFSET	630	650	9	159020	103.17
			630	670	5	73060	106.34
			630	750	1	3550	119.04
				658	15	235630	104.39
	1800	PRIDE OPAQUE	740	750	1	2900	101.35
			740	770	9	92410	104.05
				769	10	95310	103.97
	1805	ALLIED PRIDE	750		1		
			750	760	1	8250	101.33
			750	770	2	23010	102.66
				767	4	31260	102.31
	2104	BRITISH OPAQUE	750	770	1	17760	102.66
				770	1	17760	102.66
	2203	IMPERIAL BIBLE	740	770	2	9990	104.05
				770	2	9990	104.05
	2507	SOLITUDE OPAQUE	720	740	1	14320	102.77
				740	1	14320	102.77
	2536	I B M MANUAL	720		1		
			720	740	1		102.77
			720	750	7	222870	104.16
				750	9	222870	104.16
	2545	A.P. LIGHTWEIGHT	750	770	2	41070	102.66

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1986

CH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				770	2	41070	102.66
	3503	SCHOOL COTE	600	600	2	32920	100.00
				600	2	32920	100.00
	7100	K WHITE OFFSET	750	770	2	13080	102.66
				770	2	13080	102.66
	7101	K WHITE OFFSET	730	760	2	39550	104.10
				760	2	39550	104.10
	7102	K WHITE OFFSET	720	750	6	107900	104.16
			720	760	1	26980	105.55
				752	7	134880	104.44
	7104	K WHITE OFFSET	630	650	4	86160	103.17
				650	4	86160	103.17
	7110	K OFFSET ANT.	500		1		
			500	570	1	19560	114.00
				570	2	19560	114.00
	7200	RAVENSWOOD OPAQUE	750	770	1	16890	102.66
				770	1	16890	102.66
	7201	RAVENSWOOD OPAQUE	730	760	5	74340	104.10
			730	770	1	960	105.47
				760	6	75300	104.12
	7202	RAVENSWOOD OPAQUE	720	750	7	111600	104.16
				750	7	111600	104.16
	7204	RAVENSWOOD OPAQUE	630	680	2	48000	107.93
			630	750	1		119.04
				680	3	48000	107.93
	9029	SATURATED GRAVURE BASE	450	540	9	220660	120.00
				540	9	220660	120.00
	9600	TRIAL RUNS			2		
				750	1		
					3		
				722	175	2967620	104.85

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1986

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	871	MASTERBASE TYPE V LTHW-S	300		84		
					84		
					84		

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[illegible] C A L [illegible] I [illegible] D P A P E R I N C. PAGE 1
[illegible] : 1 [illegible]
DAILY [illegible]UCTION SYSTEM
[illegible] EFFICIENCY [illegible] THRU WEEK 4 OF MONTH 10,1986

[illegible]	TA[illegible] TIM	ACTUAL TIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
[illegible]	10[illegible]	105	6	124910	100.00
		105	6	124910	100.00
1 [illegible]	105	106	2	4050	100.95
	1[illegible]	105	1	15350	100.00
		105	3	19400	100.00
[illegible]	110	107	4	57970	97.[illegible]7
		107	4	57970	97.[illegible]
21[illegible]1 [illegible]	121	112	2	43980	9[illegible].56
		112	2	43980	9[illegible].56
21[illegible] [illegible]	114	114	14	239180	100.00
		114	14	239180	100.[illegible]
2[illegible] [illegible]	110	110	6	110990	100.00
		110	6	110990	100.00
2241 [illegible]	110	108	15	247917	98.19
		108	15	247917	98.19
[illegible]	110	103	1	11[illegible]714	[illegible]3.6[illegible]
		103	1	11[illegible]714	[illegible]
[illegible]	110	119	1	19650	108.13
	110	117	4	52070	106.3[illegible]
	110	116	4	52120	105.45
	110		1		
		117	13	123[illegible]00	106.[illegible]7
[illegible]	1	105	2	4[illegible]33[illegible]	100.00
		105	[illegible]	4[illegible]33[illegible]	100.00
2545 [illegible] LIGHT[illegible] ICHT	112	121	1	2640	108.03
	112	117	2	15600	104.46
		118	3	19240	104.98
[illegible] ICHT	110	107	4	66020	97.[illegible]7
		107	4	66020	97.[illegible]7
[illegible] LIGHT[illegible]ICHT	110	115	4	54200	104.54
		115	4	54200	104.54
[illegible] [illegible]	102	106	5	49610	103.[illegible]
		106	5	49610	103.[illegible]
[illegible]	10[illegible]	105		131[illegible]40	100.00
		105		131[illegible]40	100.[illegible]

SA 065406

S C M A L L I E D P A P E R I N C.

DAILY PRODUCTION SYSTEM

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,19[illegible]

[illegible] GRADE [illegible] NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
[illegible] - ANTIQUE	105	113	4	72[illegible]	[illegible]
		116	4	72300	109.43
		110	105	1517701	100.09

065407
SA

PROGRAM: [illegible]
ON DATE: [illegible]

S C M A L L I E D P A P E R I N C.
DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1985

PAGE [illegible]

[illegible]	[illegible]	TANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
[illegible]	[illegible]	145	139	3	70360	95.8[illegible]
			139	3	70360	95.8[illegible]
12[illegible]7	[illegible]	142	143	1	6950	100.70
		142	140	2	35840	98.[illegible]
			140	3	42790	9[illegible].9[illegible]
[illegible]	[illegible]	14[illegible]	143	1	24400	96.[illegible]
		1[illegible]	142	1	3450	95.9[illegible]
		148	140	6	224440	94.59
		148	132	2	70290	89.18
			139	10	327580	93.6[illegible]
1210	[illegible] OFFSET	142	143	2	32610	100.70
		142	135	2	29940	95.07
		142	125	1	10600	88.0[illegible]
			137	5	73150	96.[illegible]
253[illegible]	MANUAL OFFSET	140	140	2	44460	100.00
			140	2	44460	100.00
[illegible]536	[illegible] MANUAL	142	142	3	102160	100.00
		142	140	4	93320	98.[illegible]
		142	130	3	43120	91.54
		142	126	2	19800	83.7[illegible]
			138	12	263400	97.11
[illegible]537	MANUAL OFFSET M.F.	142	136	3	39560	95.77
			136	3	39560	95.77
[illegible]	[illegible]	142	140	3	47430	98.[illegible]9
		142	117	1	9140	82.39
			136	4	56570	95.[illegible]7
3005	SUPERIOR OFFSET	142	149	15	840610	104.92
			149	15	840610	104.[illegible]
[illegible]	[illegible] DAY TIMES OPAQUE	142	140	3	102400	98.59
			140	3	102400	98.[illegible]
[illegible]	[illegible]	15[illegible]	147	2	28960	98.00
		150	128	2	21360	85.33
			139	4	50320	92.62
71[illegible]	[illegible] OFFSET	142	146	3	94350	102.81
		142	145	3	48530	102.11
		142	141	1	4[illegible]60	99.[illegible]
		142	140	1	4760	98.[illegible]
		142	136	5	191700	95.77

SA 065408

PROGRAM: [illegible]
[illegible] DATE: [illegible]1029
S C M A L L I E D P A P E R I N C. PAGE [illegible]

DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 1[illegible].19[illegible]

[illegible]	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LOS	EFFICIENCY
			140	13	34420	[illegible]
7101	K WHITE OFFSET	142	140	1	11200	98.59
		142	139	1	29000	97.8[illegible]
			139	2	40200	98.08
7102	K WHITE OFFSET	142	147	2	51330	103.5[illegible]
		142	145	1		102.11
		142	140	2	45030	98.[illegible]
		142	139	6	178020	97.88
		142	132	5	33100	92.95
			140	18	307980	98.40
7104	K WHITE OFFSET	142	142	5	59770	100.00
		142	137	2	42310	96.47
		142	134	4	53700	94.35
		142	132	1	10440	92.95
			138	12	166720	96.84
7105	K WHITE OFFSET	146	140	2	69520	95.89
			140	2	69520	95.89
7120	[illegible] K OFFSET - ANTIQUE	142	138	[illegible]	297220	97.1[illegible]
			138	9	297220	97.18
7122	[illegible] K OFFSET - ANTIQUE	142	140	2	42180	98.[illegible]
		142	130	1	11950	91.54
			138	3	54130	97.03
7123	BW K OFFSET - ANTIQUE	142	140	1	4400	98.59
		142	139	2	29500	97.8[illegible]
		142	138	1	13200	97.1[illegible]
			139	4	47100	97.75
7124	[illegible] K OFFSET ANTIQUE	142	125	1	11950	8[illegible].0[illegible]
			125	1	11950	88.02
7132	C W HI BULK OFFSET ANTIQUE	142	145	1	19600	102.11
		142	140	2	64700	98.[illegible]
			141	3	84300	99.[illegible]1
7[illegible]	RAVENSWOOD OPAQUE	140	146	1	4380	1[illegible]
			146	1	4380	104.28
9002	BLUE PAPER DD371388	148	150	15	414520	101.35
			150	15	414520	101.35
9[illegible]	TRIAL RUNS		147	3		
			135	1		

065409
SA

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1986

	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
		134	1		
		125	2		
			7		
		142	154	3753420	99.25

SA 065410

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,19[illegible]

PAGE	SHEET	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	110	[illegible] TEXT NEW SHADE [illegible]	133	138	64	2044830	100.00
			138	110	1	30690	79.71
				138	65	2075520	99.70
	1210	GENERIC OFFSET	136	126	1	41320	92.64
				126	1	41320	92.64
	1626	ALLIED PRIDE	134	125	4	92250	93.28
				125	4	92250	93.28
	1642	ALLIED PRIDE	132	125	1	1700	94.69
				125	1	1700	94.69
	2239	OFF WHITE LAWYERS OFFSET	136	138	1	33940	101.47
				138	1	33940	101.47
	2241	LAWYERS OFFSET	134	138	3	74250	102.95
			134	125	1	28250	93.28
				134	4	102500	100.31
	2247	OFF WH LAWYERS OFFSET	134	135	5	251730	100.74
				135	5	251730	100.74
	2[illegible]	[illegible]LITUDE OPAQUE	134	124	3	195250	92.[illegible]
				124	3	195250	92.53
	7102	K WHITE OFFSET	136	137	2	62980	100.73
				137	2	62980	100.73
	7104	K WHITE OFFSET	136	124	3	88230	91.17
				124	3	88230	91.17
				135	94	2945420	9[illegible]

SA 065411

PROGRAM: [illegible]
RUN DATE: [illegible]

S C M A L L I E D P A P E R I N C.
DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,1986

[illegible]	[illegible]	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
12[illegible]	[illegible]	105	105	2	32760	100.00
			105	2	32760	100.00
12[illegible]	A.H. PRIDE	106	121	3	102800	114.15
		106	120	1	23250	113.20
		106	116	2	46590	109.43
		106	113	3	43850	106.[illegible]
		106	110	1	12320	103.77
		106	105	2	16870	99.0[illegible]
			117	12	245680	110.[illegible]
1210	GENERIC OFFSET	105	105	2	41100	100.00
			105	2	41100	100.00
[illegible]	ALLIED [illegible]	105	120	4	102280	114.28
			120	4	102280	114.28
1342	[illegible] ALLIED PRIDE	122	122	13	242940	100.00
		122	92	1	4000	75.40
			122	14	246940	99.60
[illegible]	[illegible] ALCOTT [illegible]	110	103	4	129460	93.63
			103	4	129460	93.[illegible]
3001	SUPERIOR OFFSET	110	122	1	15470	110.90
			122	1	15470	110.90
3005	SUPERIOR OFFSET	110	104	2	21660	94.54
			104	2	21660	94.54
[illegible]	SUPERIOR OFFSET	110	100	5	192490	90.90
			100	5	192490	90.90
7100	[illegible] OFFSET	110	114	1	15150	103.63
		110	112	2	41480	101.81
		110	98	2	27360	89.09
			108	5	84490	97.94
7101	[illegible] OFFSET	110	112	1	3760	101.[illegible]
		110	105	2	19560	95.45
			106	3	23320	96.4[illegible]
7102	[illegible] OFFSET	110	123	2	36660	111.81
		110	122	7	187240	110.90
		110	121	9	355410	110.00
		110	120	1	12120	109.09
		110	119	2	44490	108.1[illegible]
		110	113	3	44420	107.27
		110	117	2	13100	106.36

SA 065412

PROGRAM: [illegible]
RUN DATE: 651029

S C M A L L I E D P A P E R I N C.
DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,19[illegible]

PAG

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			110	116	10	[illegible]	[illegible]
			110	115	1	17250	104.54
			110	114	1	4520	103.[illegible]
			110	113	2	10430	102.72
			110	112	2	43600	101.[illegible]1
			110	109	1	3770	99.09
			110	107	1	15[illegible]10	97.[illegible]7
			110	104	2	3[illegible]930	94.5[illegible]
			110	102	2	37320	92.7[illegible]
				112	48	1134710	107.1[illegible]
	7103	K WHITE OFFSET	110	115	2	17770	104.54
				115	2	17770	104.54
	7104	K WHITE OFFSET	110	123	2	44[illegible]80	111.[illegible]1
			110	122	5	151[illegible]80	11[illegible]
			110	120	2	15400	109.0[illegible]
			110	119	3	123400	10[illegible].1[illegible]
			110	116	2	85740	105.45
			110	110	3	75260	100.00
			110	105	3	50190	95.45
				117	20	556250	106.[illegible]1
	71[illegible]	K WHITE OFFSET	110	10[illegible]	1	[illegible]	[illegible]
				105	1	[illegible]	[illegible]
	7110	K OFFSET ANT.	110	117	3	90310	106.36
				117	3	90310	106.36
	7122	[illegible] K OFFSET - ANTIQUE	110	119	1	11740	108.1[illegible]
			110	116	1	3580	105.45
			110	115	1	10470	104.54
			110	113	1	6[illegible]	102.7[illegible]
			110	101	3	5[illegible]50	[illegible]1.[illegible]1
				107	7	85350	97.04
	7123	[illegible] K OFFSET - ANTIQUE	110	120	1	4[illegible]30	109.0[illegible]
			110	114	2	51100	103.53
			110	102	1	[illegible]	92.7[illegible]
			110	100	2	104[illegible]0	90.[illegible]
			110	9[illegible]	1	3320	[illegible]
				111	7	75110	1[illegible]
	7124	[illegible] K OFFSET ANTIQUE	110	118	2	48[illegible]00	107.[illegible]7
			110	100	3	28590	90.[illegible]
				111	5	77390	101.22
	71[illegible]	WHITE SPECIAL OFFSET	110	110	4	[illegible]910	1[illegible].0[illegible]
				110	4	92910	100.0[illegible]

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[illegible] S C [illegible] A L L I E D P A P E R I N C. PAGE [illegible]
[illegible] DAILY PRODUCTION SYSTEM
[illegible]CH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,19[illegible]

[illegible]	TANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
[illegible]	110	120	2	82690	109.09
	110	105	4	128250	95.45
	110	103	2	44040	93.63
		110	8	260980	99.78
[illegible]	11	105	2	16520	95.45
		105	2	16520	95.45
[illegible]		122	1		
			1		
		114	162	3575550	103.65

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
[illegible]	12[illegible]3	A. [illegible] PRIDE	121	97	2	3760	[illegible].15
				97	2	3750	80.15
	1206	SPEC A.M. PRIDE	102	118	1	2730	115.63
			102	114	1	16680	111.76
			102	112	2	32680	109.80
			102	109	2	20700	106.85
			102	105	7	147260	102.[illegible]4
			102	100	2	15590	[illegible]
				107	15	235640	104.55
	1207	A 7 PRIDE	106	114	1	33170	107.54
			106	107	3	48530	100.94
			106	106	2	50710	100.00
			106	105	2	43390	99.07
			106	100	2	15320	94.37
				107	1[illegible]	191110	[illegible]
	1208	A.M. PRIDE	110	119	1	22930	108.1[illegible]
			110	116	2	27590	105.45
			110	115	17	450330	104.54
			110	114	1	13060	103.[illegible]3
			110	113	6	142540	102.7[illegible]
			110	112	3	31650	101.[illegible]1
			110	1[illegible]	4	72120	[illegible]
			110	107	1	14320	97.[illegible]7
			110	105	13	231390	95.45
			110	102	5	36040	92.7[illegible]
			110	98	1	12290	89.09
			110	95	2	16010	86.[illegible]6
				111	55	1070300	100.[illegible]7
	1210	[illegible] OFFSET	11[illegible]	11[illegible]		[illegible]	1[illegible].1[illegible]
			110	118	1	12930	1[illegible]7.[illegible]7
			110	117	3	28460	106.38
			110	113	1	12440	102.72
			110	111	3	62170	100.90
			110	105	2	29370	95.45
				115	1[illegible]	235630	10[illegible].11
	1[illegible]	[illegible] SPACE	11[illegible]	114	2	[illegible]	1[illegible]
			110	113	1	4220	102.7[illegible]
			110	109	3	64480	99.0[illegible]
			110	104	2	18030	94.51
				109	10	95310	98.50
	1[illegible]	ALLIED PRIDE	110	105	2	23010	[illegible]
			110	105	2	32[illegible]0	[illegible].5
				10[illegible]	4	[illegible]1260	[illegible].12

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PROGRAM: [illegible] C O R A L L I E D P A P E R I N C. PAGE 11
RUN DATE: [illegible]
DAILY PRODUCTION SYSTEM
WACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,1986

[illegible]	[illegible]	TANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
[illegible]	[illegible]	110	90	1	17760	81.81
			90	1	17760	81.81
2[illegible]3	IMPERIAL [illegible]	110	94	2	9990	85.45
			94	2	9990	85.45
[illegible]	[illegible]	11[illegible]	115	1	14320	104.54
			115	1	14320	104.54
2536	[illegible] MANUAL	110	107	5	135690	97.27
		110	106	4	87180	96.36
			107	9	222870	96.91
[illegible]	[illegible]	110	107	2	41070	97.27
			107	2	41070	97.27
[illegible]	[illegible]	105	116	2	32920	110.47
			116	2	32920	110.47
710[illegible]	[illegible] WHITE OFFSET	110	118	2	13080	107.27
			118	2	13080	107.27
71[illegible]1	[illegible] WHITE OFFSET	110	112	2	39550	101.[illegible]1
			112	2	39550	101.[illegible]1
7102	[illegible] WHITE OFFSET	110	118	2	52330	107.27
		110	114	1	24160	103.63
		110	113	2	15450	102.72
		110	105	2	42940	95.45
			113	7	134680	102.[illegible]
7104	[illegible] WHITE OFFSET	110	119	4	86160	108.1[illegible]
			119	4	86160	108.1[illegible]
7112	[illegible] OFFSET ANT.	105	117	2	19560	111.42
			117	2	19560	111.42
[illegible]	[illegible]	110	107	1	16890	97.27
			107	1	16890	97.27
7201	[illegible]	110	107	2	42620	97.27
		110	103	2	11520	93.63
		110	98	2	21160	89.09
			104	6	75300	94.41
[illegible]	[illegible]	110	116	1	7810	105.45
		110	113	1	19250	102.72
		110	107	2	43350	97.27

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[illegible] S C M A L L I E D P A P E R I N C. PAGE 12
[illegible] DATE: [illegible]

DAILY PRODUCTION SYSTEM
[illegible]CH TRIM EFFICIENCY BY GRADE THRU WEEK [illegible] OF MONTH 1[illegible],1[illegible]

[illegible]	[illegible]	STANDARD TRIM	ACTUAL TRIM	NO. OF [illegible]	[illegible]	EFFICIENCY
		110	[illegible]	1	[illegible]	[illegible]
		110	104	[illegible]	21[illegible]	[illegible]
			108	7	111500	97.9[illegible]
7204	RAVENSWOOD OPAQUE	110	114	1	45620	103.[illegible]
		110	112	1		101.[illegible]1
		110	10[illegible]	1	[illegible]	[illegible]
			114	[illegible]	[illegible]	1[illegible]3.[illegible]
[illegible]	SATURATED GRAVURE BASE	123	12[illegible]	1	[illegible]75[illegible]	[illegible]
		123	115	4	117500	9[illegible].4[illegible]
		123	104	4	98410	84.5[illegible]
			110	9	220[illegible]60	89.[illegible]
[illegible]	TRIAL RUNS		11[illegible]	1		
			109	1		
			102	1		
				[illegible]		
			110	175	2967[illegible]0	1[illegible] . [illegible]

SA 065417

PROGRAM: [illegible]741 S C [illegible] A L L I E D P A P E R I N C. PAGE 13
[illegible] DATE: [illegible] DAILY [illegible] DUCTION SYSTEM
MACH TRIM EFFICIENCY [illegible] GRADE THRU WEEK 4 OF MONTH 10,19[illegible]

[illegible]	[illegible]	[illegible]		STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN [illegible]	EFFICIENCY
7	[illegible]71	[illegible]	[illegible] TYP [illegible]	102	107	[illegible]1		104.[illegible]
				102		[illegible]		
						34		
						[illegible]		

June, 1983

5 8260 + 1310650 = 659 TONS

6 3330820 = 1665 "

7 2451470 = 1226 "

8 7920 + 50850 + 3439550 = 1749

9 28690 + 2619850 - 1324 ~~2649~~ -

17 16324 + 987010 = 502

~~8450~~

~~7126~~

14251594

7125

5 11.0 + 681.4 = 692.4

6 685.4

673.6

8 5.0 + 14.7 + 654.8 = 674.5 + 10.5

9 8.0 + 643.8 = 651.8 + SA

17 31.9 + 186.5 = 218.4

1 3596.1

PROGRAM: M4PS7010 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 07/05/83 DAILY PRODUCTION SYSTEM
RUN TIME: 161129 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1983

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC
5	22.00	1400	CW BRITISH OPAQUE -	21.2	20.5	105.49	44869	51540	4260	47280	105.37
5	20.00	2000	BRITE LITE THIN	28.5	24.5	93.78	47745	43330	4930	38400	80.43
5	22.00	2001	BRITE LITE THIN						2000	2000-	
5	26.00	2201	IMPERIAL BIBLE	162.7	155.0	103.93	391046	437450	13840	423610	108.33
5	30.00	2202	IMPERIAL BIBLE	11.1	10.5	103.19	30936	32520		32520	105.12
5	21.00	2223	NATO TEXT BIBLE 60	17.8	15.0	91.93	30635	31600	3010	28590	93.32
5	35.00	2407	SHAKESPEARE THIN								
5	21.00	2541	A P LIGHTWEIGHT TY O	229.5	217.3	103.29	419816	446160	37040	409120	97.45
5	21.50	6400	CIGARETTE TIPPING -	264.2	238.6	98.52	348228	268050	2640	265410	76.22
	23.67		MACH TOTAL 1.09091	735.0	681.4	101.14	1313275	1310650	67720	1242930	94.64
6	30.00	1100	BW RAMTEXT NEW SHADE	575.7	536.5	101.66	2354340	2355290	19480	2335810	99.21
6	40.00	1206	SPEC A.M. PRIDE	1.3	1.1	92.31	6437	3660		3660	56.86
6	50.00	1208	A M PRIDE	56.5	54.1	100.89	363462	395920	2490	393430	108.25
6	40.00	2513	IBM SUPERIOR OFFSET	11.8	10.7	98.92	62616	50570		50570	80.76
6	40.00	2535	MANUAL OFFSET								
6	60.00	3002	SUPERIOR OFFSET								
6	48.00	6519*	WHITE DIAZO PAPER	18.2	17.8	106.69	120453	85270		85270	70.79
6	40.00	7100	K WHITE OFFSET	17.8	15.5	94.99	93288	96510	5430	91080	97.63
6	45.00	7101	K WHITE OFFSET	1.9	1.2	68.90	7989	10180		10180	127.43
6	50.00	7102	K WHITE OFFSET	31.4	28.2	97.97	194448	205510		205510	105.69
6	50.00	7122	BW K OFFSET - ANTIQU	2.4	1.8	81.82	12359	13300		13300	107.61
6	70.00	7125	BW K OFFSET - ANTIQU	20.0	18.5	100.91	122765	114610		114610	93.36
	38.71		MACH SUBTOTAL	720.8	667.6	101.04	3217704	3245550	27400	3218150	100.01
	48.00		*MACH SUBTOTAL	18.2	17.8	106.69	120453	85270		85270	70.79
	36.03		MACH TOTAL 1.09091	739.0	685.4	101.18	3338157	3330820	27400	3303420	98.96
	32.25		MILL C SUBTOTAL	1455.81	349.0	101.09	4530979	4556200	95120	4461080	98.46
	48.00		*MILL C SUBTOTAL	18.2	17.8	106.69	120453	85270		85270	70.79
	32.54		MILL C TOTAL	1474.01	366.8	101.16	4651432	4641470	95120	4546350	97.74
7	40.00	1206	SPEC A.M. PRIDE	43.1	42.3	107.07	199698	219250	550	218700	109.52
7	50.00	1208	A M PRIDE	30.5	29.1	104.08	161469	167210		167210	103.56
7	60.00	1210	GENERIC OFFSET	2.7	2.2	88.89	13430	15300		15300	113.92
7	45.00	1510	B.W. OFFSET MF STD								
7	35.00	1805	ALLIED PRIDE	3.8	3.8	109.09	17106	17700		17700	103.47
7	20.00	2000	BRITE LITE THIN	66.3	58.9	96.91	131767	92120	22380	69740	52.93
7	24.00	2002	BRITE LITE THIN	9.5	8.3	95.31	24501	22630	1060	21570	88.04
7	26.00	2109	B.W. BIBLE								
7	33.00	2203	IMPERIAL BIBLE	6.0	4.8	87.27	21881	23610		23610	107.90
7	24.00	2210	IMPERIAL BIBLE EF NA	87.2	81.6	102.09	250670	248580		248580	99.17
7	21.00	2223	NATO TEXT BIBLE 60	154.4	137.6	97.22	348724	334760	6230	328530	94.21
7	24.00	2224	NATO TEXT 60	17.3	15.5	97.74	47614	41700	1240	40460	84.98

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-O	PRODUCTION ACT	PRODUCTION EFFIC
7	30.00	2300	MERRIAM DICTIONARY	19.3	18.1	102.31	70795	75040		75040	106.00
7	28.00	2328	DICTIONARY TEXT	20.3	17.4	93.51	70042	39200		39200	55.97
7	30.00	2503	SOLITUDE OPAQUE	60.4	54.8	98.98	215712	213690	4690	209000	96.89
7	50.00	2507	SOLITUDE OPAQUE	2.8	2.0	77.92	10444	11480		11480	109.92
7	40.00	2513	IBM SUPERIOR OFFSET	23.6	21.0	97.07	107064	114820		114820	107.24
7	30.00	2543	A.P. LIGHTWEIGHT	28.9	25.7	97.01	103706	94390	4310	90080	86.86
7	35.00	2545	A.P. LIGHTWEIGHT	8.0	6.6	90.00	29823	28220		28220	94.62
7	25.00	2546	A.P. LIGHTWEIGHT	21.0	20.3	105.45	63095	61200	4100	57100	90.50
7	26.00	2549	A.P. LIGHTWEIGHT	34.1	30.1	96.29	104083	98260	7280	90980	87.41
7	33.00	2552	A.P. LIGHT WEIGHT	6.7	3.0	48.85	11379	10230		10230	89.90
7	45.00	7101	K WHITE OFFSET	36.9	32.5	96.08	152184	170370		170370	111.95
7	50.00	7102	K WHITE OFFSET	8.0	7.5	102.27	40391	43110		43110	106.73
7	40.00	7200	RAVENSWOOD OPAQUE	1.3	1.0	83.92	4723	3600		3600	76.22
7	50.00	7202	RAVENSWOOD OPAQUE	51.9	49.5	104.05	280721	305000		305000	108.65
	34.35		MACH TOTAL 1.09091	744.0	673.6	98.77	2481022	2451470	51840	2399630	96.72
8	45.00	1000	O.P. OFFSET	8.8	8.3	102.89	43902	43250		43250	98.51
8	40.00	1206	SPEC A.M. PRIDE	8.8	8.8	109.09	37513	30330		30330	80.85
8	50.00	1208	A M PRIDE	73.5	72.2	107.16	425605	429850		429850	101.00
8	50.00	1702	J OPACIFIED OFFSET	17.9	16.7	101.78	90987	97780		97780	107.47
8	35.00	1805	ALLIED PRIDE	22.2	16.1	79.12	63756	40190	9114	31076	48.74
8	40.00	2513	IBM SUPERIOR OFFSET	12.6	10.8	93.51	46542	45840		45840	98.49
8	30.00	2516	CELLUPAQUE								
8	28.00	2528	A M DICTIONARY								
8	40.00	2535	MANUAL OFFSET	19.8	18.5	101.93	78864	90660		90660	114.96
8	50.00	2902	DICKENS OFFSET	5.0	4.5	98.18	24285	25980		25980	106.98
8	55.00	2903	DICKENS OFFSET	3.4	3.4	109.09	18022	19720	1140	18580	103.10
8	40.00	3000	SUPERIOR OFFSET	19.8	12.4	68.32	53364	55740	990	54750	102.60
8	50.00	3002	SUPERIOR OFFSET	3.5	3.3	102.86	16283	17250		17250	105.94
8	40.00	7100	K WHITE OFFSET	18.1	15.9	95.83	68987	72940		72940	105.73
8	45.00	7101	K WHITE OFFSET	12.5	10.7	93.38	50594	56590		56590	111.85
8	50.00	7102	K WHITE OFFSET	175.5	159.1	98.90	886660	881960	9950	872010	98.35
8	55.00	7103	K WHITE OFFSET	7.6	7.3	104.78	40541	45960		45960	113.37
8	60.00	7104	K WHITE OFFSET	165.8	155.3	102.18	818490	901740	16090	885650	108.21
8	80.00	7107	K WHITE OFFSET	5.7	4.6	88.04	23498	22600		22600	96.18
8	45.00	7121	B.W. K OFFSET - ANTI	4.4	4.1	101.65	19784	21510		21510	108.72
8	50.00	7122	BW K OFFSET - ANTIQU	28.8	27.9	105.68	154541	166630		166630	107.82
8	35.00	7135	WHITE SPECIAL OFFSET	14.9	13.0	95.18	52415	38410	4660	33750	64.39
8	40.00	7200	RAVENSWOOD OPAQUE	74.7	62.9	91.86	289540	235530	2600	232930	80.45
8	50.00	7202	RAVENSWOOD OPAQUE	23.7	19.0	87.46	104832	99090		99090	94.52
	50.85		MACH TOTAL 1.09091	727.0	654.8	98.26	3409005	3439550	44544	3395006	99.59
9	32.00	212	LAUREL TEXT R.S.	135.5	131.1	105.55	445999	483190		483190	108.34
9	60.00	276	TYPE IV E DT BLADE 8	47.2	44.2	102.16	220093	246660	3821	242839	110.33
9	68.50	290	STRIPPABLE WALL MURA	10.8	9.3	95.71	49644	53380		53380	107.53
9	45.00	1000	O.P. OFFSET	15.6	14.4	100.70	69931	80990		80990	115.81

SB 065422

PROGRAM: N4PS7610 — S C M A L L I E D P A P E R I N C. — PAGE 3
RUN DATE: 07/05/83 — DAILY PRODUCTION SYSTEM
RUN TIME: 161129 — PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1983

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
9	33.00	1202	SPECIAL AM PRIDE	6.0	5.5	100.00	21125	26050		26050	123.31
9	30.00	1203	A.M. PRIDE	11.3	9.8	94.61	31846	33680	1320	32360	101.61
9	45.00	1207	A.M. PRIDE	25.4	17.3	74.30	85194	76510		76510	89.81
9	50.00	1208	A M PRIDE	5.5	4.3	85.29	20046	21620		21620	107.85
9	28.00	1402	BRITISH OPAQUE - SER								
9	35.00	1805	ALLIED PRIDE	13.3	10.7	87.76	39996	42660		42660	106.66
9	40.00	1810	BW PRIDE OPAQUE	24.8	23.2	102.05	95976	101370		101370	105.62
9	30.00	2240	LAWYERS WHITE OFFSET	64.7	59.8	100.83	210875	220810	11110	209700	99.44
9	35.00	2407	SHAKESPEARE THIN	7.9	7.2	99.42	28451	22140		22140	77.82
9	40.00	2513	IBM SUPERIOR OFFSET	23.8	18.0	82.51	75173	89520		89520	119.09
9	30.00	2543	A.P. LIGHTWEIGHT	133.4	102.9	84.15	350347	315430	15700	299730	85.55
9	33.00	2652	A.P. LIGHT WEIGHT	13.5	10.3	83.23	36809	37660		37660	102.31
9	40.00	3500	SCHOOL COTE	88.9	83.2	102.10	334357	356640		356640	106.66
9	30.00	3830	WHITE BOOKLITE	19.7	15.5	85.83	52848	48970	1020	47950	90.73
9	35.00	3335	WHITE BOOK LITE	5.4	4.8	96.97	17942	19930		19930	111.08
9	40.00	7000	CALENDAR PAD OFFSET								
9	40.00	7100	K WHITE OFFSET	12.3	11.0	97.56	47673	45490		45490	95.42
9	45.00	7101	K WHITE OFFSET	26.4	19.7	81.41	89597	77050	1420	75630	94.41
9	50.00	7102	K WHITE OFFSET	27.1	25.0	100.64	123208	139220	1260	137960	111.97
9	35.00	7135	WHITE SPECIAL OFFSET	8.4	6.6	85.71	24836	17060	2120	14940	60.15
9	50.00	7202	RAVENSWOOD OPAQUE	2.5	2.3	100.36	10722	13180		13180	122.92
9	60.00	7204	RAVENSWOOD OPAQUE	8.0	7.7	105.00	37675	50640		50640	134.41
	39.76		MACH TOTAL 1.09091	737.2	643.8	95.27	2520363	2619850	37771	2582079	102.45
	42.68		MILL D TOTAL	2208.2	1972.2	97.43	8410390	8510870	134155	8376715	99.60
	39.05		BOOK MILL SUBTOT	3664.0	3321.2	98.88	12941369	13067070	229275	12837795	99.20
	48.00		*BOOK MILL SUBTOT	18.2	17.8	106.69	120453	85270		85270	70.79
	39.10		BOOK MILL TOTAL	3682.2	3339.0	98.92	13061822	13152340	229275	12923065	99.04
17	50.00	803	LAUREL TEXT								
17	99.99	809	LAUREL TEXT								
17	43.00	812	LAUREL TEXT	80.0	58.6	80.83	420792	426778	71109	355669	84.52
17	85.00	853	H W MASTER - NON BLE	6.3	4.2	73.56	32371	37328		37328	115.31
17	87.50	876	MASTERBASE TYPE IV D	114.1	110.7	107.06	446352	480453	8344	472109	105.77
17	50.00	890*	GROUND COATED STRIPP	14.5	13.0	98.93	27864	42451		42451	152.35
	66.11		BLADE SUBTOTAL	200.4	173.5	95.53	899515	944559	79453	865106	96.17
	91.50		*BLADE SUBTOTAL	14.5	13.0	98.93	27864	42451		42451	152.35
	67.20		BLADE COATER 1.10345	214.9	186.5	95.76	927379	987010	79453	907557	97.86
	40.87		GRAND SUBTOTAL	3864.4	3494.7	98.71	13840884	14011629	308728	13702901	99.00
	62.46		*GRAND SUBTOTAL	32.7	30.8	103.25	148317	127721		127721	86.11
	41.06		GRAND TOTAL	3897.1	3525.5	98.75	13989201	14139350	308728	13830622	98.87

95423

J4PS03A

J1866F

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*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
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*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
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*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
*F START JOB 1866 J4PS03A4 0003 0001 KAL KAL ROOM 8.23.59 AM 06 JUL 83 R101.PRI
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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1400	CW BRITISH OPAQUE - SERVICE OF	620	650	2	30360	104.83
			620	700	1	21180	112.90
				671	3	51540	108.15
	2000	BRITE LITE THIN	620	700	4	43330	112.90
				700	4	43330	112.90
	2201	IMPERIAL BIBLE	600	650	5	70950	108.33
			600	660	1	10380	110.00
			600	670	10	190420	111.66
			600	680	7	143200	113.33
			600	700	1	22500	116.66
				671	24	437450	111.88
	2202	IMPERIAL BIBLE	600		1		
			600	650	2	32520	108.33
				650	3	32520	108.33
	2223	NATO TEXT BIBLE 80	620	700	3	31600	112.90
				700	3	31600	112.90
	2541	A P LIGHTWEIGHT TY OPA	620	700	29	399720	112.90
			620	710	3	46440	114.51
				701	32	446160	113.07
	6400	CIGARETTE TIPPING - CORK	500	470	16	91590	94.00
			500	480	14	127990	96.00
			500	500	4	3830	100.00
			500	530	8	38660	106.00
			500	550	1	5980	110.00
				486	43	268050	97.13
				645	112	1310650	109.09

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1100	BW RAMTEXT NEW SHADE EB	750		1		
			750	750	11	288770	100.00
			780	760	1	29560	101.33
			750	770	63	2000350	102.66
			750	780	1	36610	104.00
				768	77	2355290	102.34
	1206	SPEC A.M. PRIDE	740	760	1	3660	102.70
				760	1	3660	102.70
	1208	A M PRIDE	700	730	8	395920	104.28
				730	8	395920	104.28
	2513	IBM SUPERIOR OFFSET	740	730	3	50570	98.64
				730	3	50570	98.64
	6519	WHITE DIAZO PAPER	700	690	2	41580	98.57
			680	700	5	43690	102.94
				695	7	85270	100.81
	7100	K WHITE OFFSET	740	760	1	4280	102.70
			740	770	2	17960	104.05
			740	780	2	74270	105.40
				777	5	96510	105.03
	7101	K WHITE OFFSET	720	770	1	10180	106.94
				770	1	10180	106.94
	7102	K WHITE OFFSET	700	730	1	40670	104.28
			700	740	8	164840	105.71
				738	9	205510	105.43
	7122	BW K OFFSET - ANTIQUE	700	680	1	13300	97.14
				680	1	13300	97.14
	7125	BW K OFFSET - ANTIQUE	480	490	2	64120	102.08
			480	500	1	50490	104.16
				494	3	114610	103.00
				749	115	3330820	102.76

SH 065426

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1206	SPEC A.M. PRIDE	680	710	1	38910	104.41
			680	750	6	177640	110.29
			680	780	1	2700	114.70
				743	8	219250	109.30
	1208	A M PRIDE	580	600	5	167210	103.44
				600	5	167210	103.44
	1210	GENERIC OFFSET	550	600	1	15300	109.09
				600	1	15300	109.09
	1805	ALLIED PRIDE	740	780	1	17700	105.40
				780	1	17700	105.40
	2000	BRITE LITE THIN	670		1		
			670	700	9	79510	104.47
			670	760	1	12610	113.43
				708	11	92120	105.70
	2002	BRITE LITE THIN	710	760	2	22630	107.04
				760	2	22630	107.04
	2203	IMPERIAL BIBLE	750	780	2	23610	104.00
				780	2	23610	104.00
	2210	IMPERIAL BIBLE CF NAT PUB	710	700	8	136030	98.59
			710	750	1	3690	105.63
			710	770	1		108.45
			710	780	6	108860	109.85
				736	16	248580	103.63
	2223	NATO TEXT BIBLE 80	670	700	20	334760	104.47
				700	20	334760	104.47
	2224	NATO TEXT 80	710	750	1	600	105.63
			710	775	1	5860	109.15
			710	780	2	35240	109.85
				779	4	41700	109.69
	2300	MERRIAM DICTIONARY	750	800	4	75040	106.66
				800	4	75040	106.66
	2328	DICTIONARY TEXT	750	750	1	7620	100.00
			750	780	5	31580	104.00
				774	6	39200	103.22
	2503	SOLITUDE OPAQUE	750	750	7	190160	100.00
			750	760	1	10320	101.33
			750	780	1	3700	104.00

SR 065427

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			750	800	2	9510	106.66
				753	11	213690	100.43
	2507	SOLITUDE OPAQUE	580	615	1	11480	106.03
				615	1	11480	106.03
	2513	IBM SUPERIOR OFFSET	680	700	2	47090	102.94
			680	720	4	67730	105.88
				712	6	114820	104.67
	2543	A.P. LIGHTWEIGHT	750	750	3	28160	100.00
			750	770	2	8400	102.66
			750	780	3	57830	104.00
				770	8	94390	102.69
	2545	A.P. LIGHTWEIGHT	740	770	2	17800	104.05
			740	780	2	10420	105.40
				774	4	28220	104.55
	2546	A.P. LIGHTWEIGHT	710	760	5	61200	107.04
				760	5	61200	107.04
	2549	A.P. LIGHTWEIGHT	710	750	5	90550	105.63
			710	760	1	7710	107.04
				751	6	98260	105.74
	2552	A.P. LIGHT WEIGHT	750	770	1	10230	102.66
				770	1	10230	102.66
	7101	K WHITE OFFSET	630	650	2	29760	103.17
			630	670	1	18640	106.34
			630	680	1	22110	107.93
			630	700	4	99860	111.11
				685	8	170370	108.79
	7102	K WHITE OFFSET	580	615	2	43110	106.03
				615	2	43110	106.03
	7200	RAVENSWOOD OPAQUE	680	615	1	3600	90.44
				615	1	3600	90.44
	7202	RAVENSWOOD OPAQUE	580	615	8	305000	106.03
				615	8	305000	106.03
				707	141	2451470	105.19

SR 35438

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1000	Q.P. OFFSET	730	760	3	43250	104.10
				760	3	43250	104.10
	1206	SPEC A.M. PRIDE	720	760	1	20730	105.55
			720	770	2	9600	106.94
				763	3	30330	105.99
	1208	A M PRIDE	730	740	9	305740	101.36
			730	750	3	79130	102.73
			730	760	1	44980	104.10
				744	13	429850	101.90
	1702	J OPACIFIED OFFSET	730	720	3	97780	98.63
				720	3	97780	98.63
	1805	ALLIED PRIDE	730	750	1	17080	102.73
			730	760	1		104.10
			730	780	2	23110	106.84
				767	4	40190	105.09
	2513	IBM SUPERIOR OFFSET	720	770	3	45840	106.94
				770	3	45840	106.94
	2535	MANUAL OFFSET	720		1		
			720	780	4	90660	108.33
				780	5	90660	108.33
	2902	DICKENS OFFSET	730	740	3	25980	101.36
				740	3	25980	101.36
	2903	DICKENS OFFSET	650	700	2	19720	107.69
				700	2	19720	107.69
	3000	SUPERIOR OFFSET	720	770	1	14880	106.94
			720	780	2	40860	108.33
				777	3	55740	107.96
	3002	SUPERIOR OFFSET	730	750	1	17250	102.73
				750	1	17250	102.73
	7100	K WHITE OFFSET	720		1		
			720	780	3	72940	108.33
				780	4	72940	108.33
	7101	K WHITE OFFSET	730	760	2	36340	104.10
			730	780	1	20250	106.84
				767	3	56590	105.08
	7102	K WHITE OFFSET	730	700	1	2300	95.89

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			730	720	3	64320	98.63
			730	740	16	243060	101.36
			730	750	34	563090	102.73
			730	770	1	4190	105.47
			730	780	1	5000	106.84
				745	56	881960	102.07
	7103	K WHITE OFFSET	650	680	2	45960	104.61
				680	2	45960	104.61
	7104	K WHITE OFFSET	590		1		
			590	620	3	43600	105.08
			590	630	3	42700	106.77
			590	640	23	473350	108.47
			590	650	14	329530	110.16
			590	750	2	12560	127.11
				644	46	901740	109.10
	7107	K WHITE OFFSET	400	400	1	14500	100.00
			400	420	2	8100	105.00
				407	3	22600	101.79
	7121	B.W. K OFFSET - ANTIQUE	730	760	1	21510	104.10
				760	1	21510	104.10
	7122	Bw K OFFSET - ANTIQUE	730	720	2	16500	98.63
			730	750	6	150130	102.73
				747	8	166630	102.32
	7135	WHITE SPECIAL OFFSET	730	760	1	12200	104.10
			730	780	2	26210	106.84
				774	3	38410	105.97
	7200	RAVENSWOOD OPAQUE	720	750	4	81270	104.16
			720	760	5	86640	105.55
			720	770	1	15900	106.94
			720	780	4	51720	108.33
				762	14	235530	105.77
	7202	RAVENSWOOD OPAQUE	730	720	3	24180	98.63
			730	740	1	35200	101.36
			730	750	4	39710	102.73
				739	8	99090	101.24
				719	191	3439550	104.76

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	212	LAUREL TEXT R.S.	720	750	3	65050	104.16
			720	770	6	161840	106.94
			720	780	11	256300	108.33
				773	20	483190	107.30
	276	TYPE IV E OT BLADE BASE	500	540	3	83810	108.00
			500	560	5	162850	112.00
				553	9	246660	110.64
	290	STRIPPABLE WALL MURAL BASE	450	460	2	53380	102.22
				460	2	53380	102.22
	1000	Q.P. OFFSET	670	750	3	80990	111.94
				750	3	80990	111.94
	1202	SPECIAL AM PRIDE	720	780	1	26050	108.33
				780	1	26050	108.33
	1203	A.M. PRIDE	720	770	3	33680	106.94
				770	3	33680	106.94
	1207	A.M. PRIDE	670		1		
			670	730	1	10190	108.95
			670	740	2	51510	110.44
			670	750	1	4340	111.94
			670	770	1	10470	114.92
				743	6	76510	110.94
	1208	A M PRIDE	630	730	2	21620	115.87
				730	2	21620	115.87
	1805	ALLIED PRIDE	720	770	3	42660	106.94
				770	3	42660	106.94
	1810	BW PRIDE OPAQUE	700	750	2	71610	107.14
			700	770	2	29760	110.00
				756	4	101370	107.98
	2240	LAWYERS WHITE OFFSET	720	770	9	220810	106.94
				770	9	220810	106.94
	2407	SHAKESPEARE THIN	720	770	2	22140	106.94
				770	2	22140	106.94
	2513	IBM SUPERIOR OFFSET	700	750	1	18940	107.14
			700	760	3	70580	108.57
				758	4	89520	108.27
	2543	A.P. LIGHTWEIGHT	720	770	15	315430	106.94

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PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 8
RUN DATE: 07/05/83 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				770	19	315430	106.94
	2552	A.P. LIGHT WEIGHT	720	780	2	37660	108.33
				780	2	37660	108.33
	3500	SCHOOL COTE	700	700	1	4500	100.00
			700	750	12	352140	107.14
				749	13	356640	107.05
	3830	WHITE BOOKLITE	720	770	4	45570	106.94
			720	780	1	3400	108.33
				771	5	48970	107.04
	3835	WHITE BOOK LITE	720	770	1	19930	106.94
				770	1	19930	106.94
	7100	K WHITE OFFSET	700	750	3	45490	107.14
				750	3	45490	107.14
	7101	K WHITE OFFSET	670	750	4	24730	111.94
			670	770	4	52320	114.92
				764	8	77050	113.96
	7102	K WHITE OFFSET	630	730	3	80450	115.87
			630	750	2	58770	119.04
				738	5	139220	117.21
	7135	WHITE SPECIAL OFFSET	680	470	1	9200	69.11
			680	770	2	7160	113.23
				596	3	17060	87.63
	7202	RAVENSWOOD OPAQUE	630	750	1	13190	119.04
				750	1	13180	119.04
	7204	RAVENSWOOD OPAQUE	550	720	3	50640	130.90
				720	3	50640	130.90
				734	130	2619850	108.89

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	812	LAUREL TEXT	1300		8	426778	
					8	426778	
	853	H W MASTER - NON BLEED II	1000		2	37328	
					2	37328	
	876	MASTERBASE TYPE IV DT	320		17	480453	
					17	480453	
	890	GROUND COATED STRIPPABLE WALL	500		3	42451	
					3	42451	
					30	987010	

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PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 07/05/83 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1400	CW BRITISH OPAQUE - SERVICE OF	112	114	3	51540	101.78
				114	3	51540	101.78
	2000	BRITE LITE THIN	110	112	4	43330	101.81
				112	4	43330	101.81
	2201	IMPERIAL BIBLE	110	108	19	360400	98.18
			110	104	1	7570	94.54
			110	102	4	69480	92.72
				107	24	437450	97.25
	2202	IMPERIAL BIBLE	110	116	3	32520	105.45
				116	3	32520	105.45
	2223	NATO TEXT BIBLE 80	102	111	3	31600	108.82
				111	3	31600	108.82
	2541	A P LIGHTWEIGHT TY OPA	116	105	32	446160	90.51
				105	32	446160	90.51
	6400	CIGARETTE TIPPING - CORK	114	99	1	2780	86.84
			114	97	33	220420	85.08
			114	92	9	44850	80.70
				96	43	268050	84.37
				105	112	1310650	93.13

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1100	BW RAMTEXT NEW SHADE EB	138	138	77	2355290	100.00
				138	77	2355290	100.00
	1206	SPEC A.M. PRIDE	142	140	1	3660	98.59
				140	1	3660	98.59
	1208	A M PRIDE	148	136	8	395920	91.89
				136	8	395920	91.89
	2513	IBM SUPERIOR OFFSET	140	140	3	50570	100.00
				140	3	50570	100.00
	6519	WHITE DIAZO PAPER	148	147	3	40000	99.32
			148	145	2	41580	97.97
			148	134	2	3690	90.54
				145	7	85270	98.28
	7100	K WHITE OFFSET	142	146	2	74270	102.81
			142	140	2	17960	98.59
			142	128	1	4260	90.14
				144	5	96510	101.46
	7101	K WHITE OFFSET	142	146	1	10180	102.81
				146	1	10180	102.81
	7102	K WHITE OFFSET	142	143	4	93290	100.70
			142	140	1	10600	98.59
			142	137	4	101620	96.47
				140	9	205510	98.50
	7122	BW K OFFSET - ANTIQUE	142	139	1	13300	97.88
				139	1	13300	97.88
	7125	BW K OFFSET - ANTIQUE	142	140	3	114610	98.59
				140	3	114610	98.59
				138	115	3330820	98.89

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MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1206	SPEC A.M. PRIDE	138	135	2	41610	97.82
			138	120	6	177640	86.95
				123	8	219250	89.01
	1208	A M PRIDE	136	136	5	167210	100.00
				136	5	167210	100.00
	1210	GENERIC OFFSET	136	131	1	15300	96.32
				131	1	15300	96.32
	1805	ALLIED PRIDE	136	123	1	17700	90.44
				123	1	17700	90.44
	2000	BRITE LITE THIN	132	119	11	92120	90.15
				119	11	92120	90.15
	2002	BRITE LITL THIN	132	123	2	22630	93.18
				123	2	22630	93.18
	2203	IMPERIAL BIBLE	134	131	2	23610	97.76
				131	2	23610	97.76
	2210	IMPERIAL BIBLE EF NAT PUB	128	128	16	248580	100.00
				128	16	248580	100.00
	2223	NATO TEXT BIBLE 80	132	128	20	334760	96.96
				128	20	334760	96.96
	2224	NATO TEXT 80	134	128	4	41700	95.52
				128	4	41700	95.52
	2300	MERRIAM DICTIONARY	136	123	4	75040	90.44
				123	4	75040	90.44
	2328	DICTIONARY TEXT	132	136	6	39200	103.03
				136	6	39200	103.03
	2503	SOLITUDE OPAQUE	134	132	3	13210	98.50
			134	123	8	200480	91.79
				124	11	213690	92.20
	2507	SOLITUDE OPAQUE	134	128	1	11480	95.52
				128	1	11480	95.52
	2513	IBM SUPERIOR OFFSET	134	133	5	105930	99.25
			134	130	1	8890	97.01
				133	6	114820	99.08
	2543	A.P. LIGHTWEIGHT	138	135	5	66230	97.82

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MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			138	123	1	8000	89.13
			138	105	2	20160	76.08
				128	8	94390	92.44
	2545	A.P. LIGHTWEIGHT	134	133	1	9160	99.25
			134	128	2	10420	95.52
			134	107	1	8640	79.85
				123	4	28220	91.93
	2546	A.P. LIGHTWEIGHT	132	125	2	20000	94.69
			132	124	3	41200	93.93
				124	5	61200	94.18
	2549	A.P. LIGHTWEIGHT	134	133	6	98260	99.25
				133	6	98260	99.25
	2552	A.P. LIGHT WEIGHT	136	109	1	10230	80.14
				109	1	10230	80.14
	7101	K WHITE OFFSET	136	138	1	18640	101.47
			136	124	2	56680	91.17
			136	110	5	95050	80.88
				118	8	170370	86.56
	7102	K WHITE OFFSET	136	132	2	43110	97.05
				132	2	43110	97.05
	7200	RAVENSWOOD OPAQUE	136	123	1	3600	90.44
				123	1	3600	90.44
	7202	RAVENSWOOD OPAQUE	136	139	8	305000	102.20
				139	8	305000	102.20
				128	141	2451470	95.62

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MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1000	Q.P. OFFSET	114	114	3	43250	100.00
				114	3	43250	100.00
	1206	SPEC A.M. PRIDE	105	105	3	30330	100.00
				105	3	30330	100.00
	1208	A M PRIDE	106	119	8	292580	112.26
			106	116	1	13160	109.43
			106	107	2	42480	100.94
			106	105	2	81630	99.05
				115	13	429850	106.55
	1702	J GPACIFIED OFFSET	105	106	3	97780	100.95
				106	3	97780	100.95
	1805	ALLIED PRIDE	105	110	4	40190	104.76
				110	4	40190	104.76
	2513	IBM SUPERIOR OFFSET	110	107	1	7020	97.27
			110	106	2	38820	96.36
				106	3	45840	96.50
	2535	MANUAL OFFSET	110	105	5	90660	95.45
				105	5	90660	95.45
	2902	DICKENS OFFSET	110	105	3	25980	95.45
				105	3	25980	95.45
	2903	DICKENS OFFSET	110	106	1	4560	96.36
			110	105	1	15160	95.45
				105	2	19720	95.66
	3000	SUPERIOR OFFSET	110	106	3	55740	96.36
				106	3	55740	96.36
	3002	SUPERIOR OFFSET	110	96	1	17250	87.27
				96	1	17250	87.27
	7100	K WHITE OFFSET	110	108	2	44230	98.18
			110	105	2	28710	95.45
				107	4	72940	97.11
	7101	K WHITE OFFSET	110	106	1	20250	96.36
			110	100	2	36340	90.90
				102	3	56590	92.85
	7102	K WHITE OFFSET	110	121	1	10450	110.00
			110	120	1	10820	109.09
			110	119	5	125990	108.18

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MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			110	116	4	43960	105.45
			110	115	6	88480	104.54
			110	114	1	7850	103.63
			110	111	1	12200	100.90
			110	110	1	20690	100.00
			110	107	7	106550	97.27
			110	106	2	42320	96.36
			110	105	7	91380	95.45
			110	104	7	136120	94.54
			110	103	4	77360	93.63
			110	102	2	6070	92.72
			110	101	2	36900	91.81
			110	100	4	58580	90.90
			110	97	1	6240	88.18
				109	56	881960	98.71
	7103	K WHITE OFFSET	110	118	1	23160	107.27
			110	103	1	22800	93.63
				111	2	45960	100.50
	7104	K WHITE OFFSET	110	115	5	87380	104.54
			110	111	1	44490	100.90
			110	110	4	34600	100.00
			110	109	1	2000	99.09
			110	106	7	199320	96.36
			110	105	17	339540	95.45
			110	104	3	104340	94.54
			110	103	1	7120	93.63
			110	102	1	8070	92.72
			110	100	3	29880	90.90
			110	92	1	3690	83.63
			110	90	2	41310	81.81
				106	46	901740	96.02
	7107	K WHITE OFFSET	110	114	2	19600	103.63
			110	105	1	3000	95.45
				113	3	22600	102.54
	7121	B.W. K OFFSET - ANTIQUE	110	104	1	21510	94.54
				104	1	21510	94.54
	7122	BW K OFFSET - ANTIQUE	110	120	1	11320	109.09
			110	107	5	135120	97.27
			110	105	2	20190	95.45
				108	8	166630	97.85
	7135	WHITE SPECIAL OFFSET	110	112	3	38410	101.81
				112	3	38410	101.81

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MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7200	RAVENSWOOD OPAQUE	110	123	4	81270	111.81
			110	112	6	111030	101.81
			110	105	3	29980	95.45
			110	96	1	13250	87.27
				114	14	235530	103.63
	7202	RAVENSWOOD OPAQUE	110	120	1	6930	109.09
			110	113	2	6150	102.72
			110	107	2	42480	97.27
			110	105	2	26220	95.45
			110	100	1	17310	90.90
				107	8	99090	96.84
				109	191	3439550	99.31

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	212	LAUREL TEXT R.S.	104	105	20	483190	100.96
				105	20	483190	100.96
	276	TYPE IV E DT BLADE BASE	124	118	8	246660	95.16
				118	8	246660	95.16
	290	STRIPPABLE WALL MURAL BASE	123	123	2	53380	100.00
				123	2	53380	100.00
	1000	G.P. OFFSET	114	114	3	80990	100.00
				114	3	80990	100.00
	1202	SPECIAL AM PRIDE	116	115	1	26050	99.13
				115	1	26050	99.13
	1203	A.M. PRIDE	121	107	2	30060	88.42
			121	106	1	3620	87.60
				107	3	33680	88.33
	1207	A.M. PRIDE	106	119	3	55850	112.26
			106	105	3	20660	99.05
				115	6	76510	108.69
	1208	A M PRIDE	110	105	2	21620	95.45
				105	2	21620	95.45
	1805	ALLIED PRIDE	110	105	3	42660	95.45
				105	3	42660	95.45
	1810	BW PRIDE OPAQUE	110	105	4	101370	95.45
				105	4	101370	95.45
	2240	LAWYERS WHITE OFFSET	110	116	9	220810	105.45
				116	9	220810	105.45
	2407	SHAKESPEARE THIN	110	111	2	22140	100.90
				111	2	22140	100.90
	2513	IBM SUPERIOR OFFSET	110	106	4	89520	96.36
				106	4	89520	96.36
	2543	A.P. LIGHTWEIGHT	112	112	19	315430	100.00
				112	19	315430	100.00
	2552	A.P. LIGHT WEIGHT	102	107	2	37660	104.90
				107	2	37660	104.90
	3500	SCHOOL COTE	105	102	13	356640	97.14
				102	13	356640	97.14

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	3830	WHITE BOOKLITE	110	113	3	42290	102.72
			110	108	2	6680	98.18
				112	5	48970	102.10
	3835	WHITE BOOK LITE	121	105	1	19930	86.77
				105	1	19930	86.77
	7100	K WHITE OFFSET	110	110	3	45490	100.00
				110	3	45490	100.00
	7101	K WHITE OFFSET	110	109	2	24780	99.09
			110	107	2	20720	97.27
			110	105	4	31550	95.45
				107	8	77050	97.11
	7102	K WHITE OFFSET	110	120	2	58770	109.09
			110	105	3	80450	95.45
				111	5	139220	101.21
	7135	WHITE SPECIAL OFFSET	110	112	3	17060	101.81
				112	3	17060	101.81
	7202	RAVENSWOOD OPAQUE	110	105	1	13180	95.45
				105	1	13180	95.45
	7204	RAVENSWOOD OPAQUE	110	105	3	50640	95.45
				105	3	50640	95.45
				109	130	2619850	99.37

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 06.1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	812	LAUREL TEXT	102	102	8	426778	100.00
				102	8	426778	100.00
	853	H W MASTER - NON BLEED II	102	112	1	15401	109.80
			102	111	1	21927	108.82
				111	2	37328	109.22
	876	MASTERBASE TYPE IV DT	102	115	14	443891	112.74
			102	110	3	36562	107.84
				115	17	480453	112.37
	890	GROUND COATED STRIPPABLE WALL	120	120	2	42451	100.00
			120		1		
				120	3	42451	100.00
				109	30	987010	106.37

SA 065443

MW83

MW 1983

PROGRAM: N4PS7610 — SCM ALLIED PAPER INC. — PAGE 1
RUN DATE: 06/01/83 — DAILY PRODUCTION SYSTEM
RUN TIME: 150243 — PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
5	25.00	1401	BRITISH OPAQUE - SER	17.3	16.8	105.94	40601	45660		45660	112.46
5	20.00	2000	BRITE LITE THIN	76.1	68.8	98.63	135127	129740	8120	121620	90.00
5	22.00	2001	BRITE LITE THIN	22.7	21.7	104.29	41664	42480	2000	40480	97.16
5	28.00	2005	BRITE LITE THIN	3.1	3.1	109.09	7462	4330		4330	58.03
5	18.00	2018	BRITE LITE THIN						1670	1670-	
5	28.00	2101	BRITISH OPAQUE	16.0	15.5	105.68	40968	39840		39840	97.25
5	35.00	2104	BRITISH OPAQUE	20.7	18.3	96.44	57162	51560	4200	47360	82.85
5	26.00	2109	B.W. BIBLE	8.7	8.2	102.82	19483	21800		21800	111.89
5	25.00	2200	IMPERIAL BIBLE	12.0	10.2	92.73	20759	21520		21520	103.67
5	30.00	2202	IMPERIAL BIBLE	3.8	3.5	100.48	10312	3480		3480	33.75
5	20.00	2221	EXTRA WH IMPERIAL BI	14.1	13.3	102.90	27075	24160	5290	18870	69.70
5	24.00	2224	NATO TEXT 80	3.8	3.3	94.74	6462	3990		3990	61.75
5	32.00	2254	EX. WHITE IMPERIAL B	5.2	4.5	94.41	11542	20520		20520	177.79
5	30.00	2503	SOLITUDE OPAQUE	4.2	3.6	93.51	9600	10470		10470	109.06
5	28.00	2528	A H DICTIONARY	21.3	15.3	78.36	37912	38790	1330	37460	98.81
5	20.00	2540	A P LIGHT WEIGHT	13.2	12.2	100.83	23165	23060		23060	99.55
5	21.00	2541	A P LIGHTWEIGHT TY Q	328.5	312.1	103.64	602960	639250	14350	624900	103.64
5	22.00	2542	A P LIGHT WEIGHT	20.7	20.3	106.98	43261	47460		47460	109.71
5	33.00	2552	A.P. LIGHT WEIGHT	17.2	16.0	101.48	48090	47160		47160	98.07
5	23.00	6434	34 GM WHITE TIPPING	11.6	8.6	80.88	15046	2690		2690	17.88
	23.08		MACH TOTAL 1.09091	620.2	575.3	101.19	1198651	1217960	36960	1180000	98.53
6	30.00	1100	BW RAMTEXT NEW SHADE	254.3	204.8	87.86	898729	807590	32710	774880	86.22
6	40.00	1304	SPEC A.M. PRIDE	4.9	3.8	84.60	22236	18730	1310	17420	78.34
6	30.00	1308	A M PRIDE	20.3	18.5	99.42	129563	127500		127500	98.41
6	30.00	2202	IMPERIAL BIBLE	12.0	11.4	103.64	47127	46420	2710	43710	92.75
6	35.00	2504	SOLITUDE OPAQUE	10.3	9.8	103.80	47138	47920		47920	101.66
6	40.00	2513	IBM SUPERIOR OFFSET	35.3	32.9	101.67	195006	200120		200120	102.62
6	35.00	2514	INTERNATIONAL HARVES	17.7	16.4	101.08	80499	70000		70000	86.96
6	40.00	2535	MANUAL OFFSET	59.9	57.4	104.54	335899	367090		367090	109.29
6	55.00	2903	DICKENS OFFSET	1.9	1.6	91.87	11648	12320		12320	105.77
6	50.00	3002	SUPERIOR OFFSET	24.8	21.0	92.38	151459	143700	1790	141910	93.70
6	33.00	6503*	BL WH TRANSLUCENT PA	12.7	11.2	96.21	47946	34880		34880	72.75
6	40.00	7100	K WHITE OFFSET	55.5	53.5	105.16	295112	316020		316020	107.08
6	45.00	7101	K WHITE OFFSET	19.0	17.0	97.61	111508	111800	7450	104350	93.58
6	50.00	7102	K WHITE OFFSET	77.7	70.6	99.12	484565	524910	9050	515860	106.46
6	99.99	7109	BW K OFFSET	3.4	2.7	86.63	19796	15440		15440	78.00
6	45.00	7201	RAVENSWOOD OPAQUE	12.7	12.5	107.37	79799	76220		76220	95.51
6	50.00	7202	RAVENSWOOD OPAQUE	25.3	21.6	93.14	150297	156550		156550	104.16
	40.80		MACH SUBTOTAL	635.0	555.5	95.43	3060381	3042330	55020	2987310	97.61
	33.00		*MACH SUBTOTAL	12.7	11.2	96.21	47946	34880		34880	72.75
	40.72		MACH TOTAL 1.09091	647.7	566.7	95.45	3108327	3077210	55020	3022190	97.33
	35.74		MILL C SUBTOTAL	1255.2	1130.8	98.38	4259932	4260290	91930	4168310	97.87

SD 065444

5 38570 + 1217960 = [illegible]

6 19800 + 3077210 = 54[illegible]

7 1846940 [illegible]

8 3694810 [illegible]

9 43730 + 3761580 [illegible]

17 36859 + 625605 [illegible]

HRS 5 360 + [illegible] = 611 3

8.0 + 566.7 = 574 7

602 5 602 5

[illegible] 3 627 3

11.5 + 569 2 580.7

18.5 + 151 6 170.1

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
	33.00		*MILL C SUBTOTAL	12.7	11.2	96.21	47946	34880		34880	72.75
	35.71		MILL C TOTAL	1267.9	1142.0	98.26	4306978	4295170	91980	4203190	97.59
7	30.00	1203	A.M. PRIDE	10.4	9.8	102.80	37246	40500		40500	108.74
7	50.00	1208	A M PRIDE								
7	32.00	1802	ALLIED PRIDE	2.3	2.1	99.60	9511	10090		10090	106.09
7	26.00	1826	ALLIED PRIDE	94.2	91.2	105.62	303068	297460	30920	266540	87.95
7	30.00	1840	SPEC ALLIED PRIDE	33.9	29.9	96.22	115997	122820	3420	119400	102.93
7	20.00	2000	BRITE-LITE THIN	196.8	180.3	99.94	403356	286290	13070	273220	67.74
7	28.00	2328	DICTIONARY TEXT	44.0	39.9	98.93	160620	149390	27060	122330	76.16
7	30.00	2405	SHAKESPEARE THIN	19.3	13.8	78.00	55292	53350		53350	96.49
7	30.00	2503	SOLITUDE OPAQUE	46.8	38.9	90.68	166091	104980		104980	63.21
7	35.00	2522	SPECIAL SOLITUDE OPA	37.3	35.4	103.53	163247	165300		165300	101.26
7	20.00	2540	A P LIGHT WEIGHT	53.7	50.2	101.98	115134	87240	5190	82050	71.26
7	26.00	2549	A.P. LIGHTWEIGHT						3690	3690-	
7	30.00	3830	WHITE BOOKLITE	67.7	65.9	106.19	261950	271070	7020	264050	100.80
7	40.00	7100	K WHITE-OFFSET	7.7	7.3	103.42	35880	38880		38880	108.36
7	40.00	7200	RAVENSWOOD OPAQUE	41.4	37.8	99.60	187357	219570	1140	218430	116.58
	29.03		MACH TOTAL 1.09091	655.5	602.5	100.27	2014749	1846940	91510	1755430	87.13
8	45.00	1200	C.P. OFFSET	14.5	13.9	104.58	73524	83880		83890	114.09
8	50.00	1208	A M PRIDE	23.0	21.8	103.40	119894	133000		133000	110.93
8	50.00	1702	J OPACIFIED OFFSET	27.6	26.9	106.32	158030	171820		171820	108.73
8	50.00	2507	SOLITUDE OPAQUE	7.5	7.0	101.82	34539	35590		35590	103.04
8	50.00	2536	I B M MANUAL	19.1	18.0	102.81	99395	107390	3900	103490	104.12
8	35.00	2545	A.P. LIGHTWEIGHT								
8	40.00	3000	SUPERIOR OFFSET								
8	40.00	3020	BW SUPERIOR OFFSET -	4.2	2.7	70.13	12935	14310		14310	110.63
8	40.00	7100	K WHITE OFFSET	55.0	51.1	101.36	222261	239440	2850	236590	106.45
8	45.00	7101	K WHITE OFFSET	4.5	4.3	104.24	20949	23910		23910	114.13
8	50.00	7102	K WHITE OFFSET	269.2	263.3	106.70	1479627	1533050	2580	1530470	103.44
8	55.00	7103	K WHITE-OFFSET	22.9	22.0	104.80	124186	142180		142180	114.49
8	60.00	7104	K WHITE OFFSET	81.9	78.4	104.43	418770	476710		476710	113.84
8	70.00	7105	K WHITE OFFSET	22.0	20.1	99.67	106148	115040		115040	108.38
8	40.00	7120	B W K OFFSET - ANTIQ	5.1	4.7	100.53	20607	23870		23870	115.83
8	50.00	7122	BW K OFFSET - ANTIQU	4.1	3.4	90.47	18349	20730		20730	112.98
8	55.00	7123	BW K OFFSET - ANTIQU	4.0	3.7	100.91	17342	20660		20660	119.13
8	60.00	7124	BW K OFFSET - ANTIQU	10.7	10.1	102.97	55375	63750		63750	115.12
8	40.00	7200	RAVENSWOOD OPAQUE	2.5	2.3	100.36	9804	10130		10130	103.33
8	60.00	7204	RAVENSWOOD OPAQUE	75.7	73.6	106.06	424860	479350		479350	112.83
	52.68		MACH TOTAL 1.09091	653.5	627.3	104.72	3416595	3694810	9330	3685480	107.87
9	48.00	253	HWT - NON BLEED R.S.	8.4	7.6	98.70	35174	38170		38170	108.52
9	64.00	271	TYPE IV BASE STOCK D	4.3	4.3	109.09	18679	17270		17270	92.45
9	69.00	273	TYPE IV E DT BLADE P	13.8	12.6	99.60	61092	59210	684	57526	110.53

SA 065446

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
9	60.00	276	TYPE IV E DT BLADE B	99.3	92.7	101.84	459353	515130	16190	498940	108.62
9	57.00	278	TYPE IV 1/2-LTLW BLA	9.0	8.3	100.61	42505	41770		41770	98.27
9	45.00	1000	O.P. OFFSET	7.4	6.9	101.72	33508	39990		39990	119.34
9	30.00	1203	A.M. PRIDE	4.3	2.8	71.04	9533	9120		9120	95.67
9	40.00	1206	SPEC A.M. PRIDE	49.9	47.0	102.75	201543	234770	10690	224080	111.18
9	45.00	1207	A.M. PRIDE	7.5	7.1	103.27	31757	39960		39960	125.83
9	50.00	1208	A M PRIDE	8.9	7.6	93.16	37068	42160	1350	40810	110.09
9	60.00	1210	GENERIC OFFSET	4.7	2.7	62.67	13210	12170	2600	9570	72.45
9	30.00	1800	PRIDE OPAQUE	16.8	13.5	87.66	43912	40330		40330	91.84
9	35.00	1805	ALLIED PRIDE	4.0	3.4	92.73	14025	16720		16720	119.22
9	40.00	1810	BW PRIDE OPAQUE	3.7	3.5	103.19	14479	14950		14950	103.25
9	30.00	2240	LAWYERS WHITE OFFSET	53.5	45.6	92.98	160802	168460	13960	154500	96.08
9	35.00	2514	INTERNATIONAL HARVES	10.0	9.7	105.82	40056	41900		41900	104.60
9	40.00	2535	MANUAL OFFSET	75.6	64.6	93.22	272104	291240		291240	107.03
9	50.00	2536	I B M MANUAL	24.6	21.8	96.67	100256	115640		115640	115.34
9	30.00	2543	A.P. LIGHTWEIGHT	15.8	13.6	93.90	43410	44590	3690	40900	94.22
9	35.00	2545	A.P. LIGHTWEIGHT	28.3	20.9	80.57	79610	81570	2610	78960	99.18
9	50.00	3002	SUPERIOR OFFSET	8.5	8.0	102.67	40492	47260		47260	116.71
9	30.00	3830	WHITE BOOKLITE	3.8	3.3	94.74	9430	9700		9700	102.86
9	35.00	3835	WHITE BOOK LITE	10.8	9.8	98.99	36631	40120		40120	109.52
9	40.00	7100	K WHITE OFFSET	22.8	21.3	101.91	95415	111840	9350	102490	107.41
9	45.00	7101	K WHITE OFFSET	26.7	24.2	98.88	114651	138540	1400	137140	119.62
9	50.00	7102	K WHITE OFFSET	37.6	32.9	95.45	154298	182810	4450	178360	115.59
9	35.00	7135	WHITE SPECIAL OFFSET	46.3	41.0	96.60	154287	169370	4620	164750	106.78
9	50.00	7202	RAVENSWOOD OPAQUE	18.8	17.8	103.29	82981	100390		100390	120.98
9	60.00	7204	RAVENSWOOD OPAQUE	16.4	14.7	97.78	76557	87440	2910	84530	110.41
	46.23		MACH TOTAL 1.09091	641.5	569.2	96.80	2476818	2761590	74504	2687086	108.49
	45.27		MILL D TOTAL	1950.5	1799.0	100.62	7908162	8303340	175344	8127996	102.78
	42.04		BOOK MILL SUBTOT	3205.7	2929.8	99.70	12167194	12563630	267324	12296306	101.06
	33.00		*BOOK MILL SUBTOT	12.7	11.2	96.21	47946	34880		34890	72.75
	42.01		BOOK MILL TOTAL	3218.4	2941.0	99.69	12215140	12598510	267324	12331186	100.95
17	50.00	803	LAUREL TEXT								
17	90.00	871*	MASTERBASE TYPE V LT	7.5	6.8	100.05	29004	17220		17220	61.49
17	92.00	873	MASTERBASE TYPE IV D	17.0	17.0	110.35	71410	72605	2775	69830	97.79
17	87.50	876*	MASTERBASE TYPE IV D	121.5	118.1	107.26	461366	493620	6691	486929	105.54
17	78.00	878*	MASTER BASE TYPE IV	11.5	9.7	93.07	35472	42160		42160	118.85
	92.00		BLADE SUBTOTAL	17.0	17.0	110.35	71410	72605	2775	69830	97.79
	86.85		*BLADE SUBTOTAL	140.5	134.6	105.71	524842	553000	6691	546309	104.09
	87.45		BLADE COATER 1.10345	157.5	151.6	106.21	596252	625605	9466	616139	103.34
	42.33		GRAND SUBTOTAL	3222.7	2946.8	99.76	12238604	12636235	270099	12366136	101.04

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
	93.66		*GRAND SUBTOTAL	153.2	145.8	104.92	572788	587880	6691	581189	101.47
	44.16		GRAND TOTAL	3375.9	3092.6	99.99	12811392	13224115	276790	12947325	101.06

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 06/01/83 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1401	BRITISH OPAQUE - SERVICE OFFSE	600		1		
			600	700	3	45660	116.66
				700	4	45660	116.66
	2000	BRITE LITE THIN	620	690	9	99560	111.29
			620	700	7	30180	112.90
				692	16	129740	111.66
	2001	BRITE LITE THIN	620	690	4	42480	111.29
				690	4	42480	111.29
	2005	BRITE LITE THIN	600	650	2	700	108.33
			600	680	1	3630	113.33
				675	3	4330	112.50
	2101	BRITISH OPAQUE	600	620	3	39840	103.33
				620	3	39840	103.33
	2104	BRITISH OPAQUE	570	590	2	6410	103.50
			570	600	4	45150	105.26
				599	6	51560	105.04
	2109	B.W. BIBLE	600	600	1	19450	100.00
			600	650	1	2350	108.33
				605	2	21800	100.90
	2200	IMPERIAL BIBLE	600	650	2	21520	108.33
				650	2	21520	108.33
	2202	IMPERIAL BIBLE	600	600	1	3480	100.00
				600	1	3480	100.00
	2221	EXTRA WH IMPERIAL BIBLE	620	700	3	24160	112.90
				700	3	24160	112.90
	2224	NATO TEXT 80	600	620	1	3990	103.33
				620	1	3990	103.33
	2254	EX. WHITE IMPERIAL BIBLE	600	600	2	20520	100.00
				600	2	20520	100.00
	2503	SOLITUDE OPAQUE	600	600	1	4870	100.00
			600	610	1	5600	101.66
				605	2	10470	100.83
	2528	A H DICTIONARY	600	610	3	38790	101.66
				610	3	38790	101.66
	2540	A P LIGHT WEIGHT	620	690	3	23060	111.29

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH, GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			690	3	23060	111.29
2541	A P LIGHTWEIGHT TY QPA	620	400	1	3630	64.51
		620	690	6	90760	111.29
		620	700	47	544860	112.90
			697	54	639250	112.40
2542	A P LIGHT WEIGHT	620	700	4	47460	112.90
			700	4	47460	112.90
2552	A.P. LIGHT-WEIGHT	570	600	2	31140	105.26
		570	610	1	5840	107.01
		570	640	2	10180	112.28
			610	5	47160	106.99
6434	34 GM WHITE TIPPING	500		1		
		500	500	1	2690	100.00
			500	2	2690	100.00
			678	120	1217960	110.61

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1100	BW RAMTEXT NEW SHADE EB	750		1		
			750	755	1	3110	100.66
			750	760	1	2400	101.33
			750	780	34	802080	104.00
			750	790	1		105.33
				780	38	807590	103.98
	1206	SPEC A.M. PRIDE	740	760	1	7770	102.70
			740	770	1	10960	104.05
				766	2	18730	103.49
	1208	A M PRIDE	700	730	7	127500	104.28
				730	7	127500	104.28
	2202	IMPERIAL BIBLE	750	780	2	46420	104.00
				780	2	46420	104.00
	2504	SOLITUDE OPAQUE	750	780	1	20920	104.00
			750	790	2	27000	105.33
				786	3	47920	104.75
	2513	IBM SUPERIOR OFFSET	740	760	4	67840	102.70
			740	780	10	132280	105.40
				773	14	200120	104.48
	2514	INTERNATIONAL HARVESTER OPAQUE	750	770	5	70000	102.66
				770	5	70000	102.66
	2535	MANUAL OFFSET	740	780	12	367090	105.40
				780	12	367090	105.40
	2903	DICKENS OFFSET	670	730	1	12320	108.95
				730	1	12320	108.95
U	3002	SUPERIOR OFFSET	700	730	4	143700	104.28
				730	4	143700	104.28
	6503	BL WH TRANSLUCENT PATTERN BASE	750		1		
			750	760	3	34880	101.33
				760	4	34880	101.33
	7100	K WHITE OFFSET	740	770	2	19120	104.05
			740	780	12	296900	105.40
				779	14	316020	105.32
	7101	K WHITE OFFSET	720	740	2	42480	102.77
			720	760	2	54240	105.55
			720	770	1	15080	106.94
				754	5	111800	104.68

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7102	K WHITE OFFSET	700	730	5	172280	104.28
			700	740	8	226510	105.71
			700	750	4	126120	107.14
				739	17	524910	105.59
	7109	BW K OFFSET	400	390	1	15440	97.50
				390	1	15440	97.50
	7201	RAVENSWOOD OPAQUE	720	730	2	76220	101.38
				730	2	76220	101.38
	7202	RAVENSWOOD OPAQUE	700	740	4	73270	105.71
			700	750	2	83280	107.14
				745	6	156550	106.47
				762	137	3077210	104.44

SH 065452

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1203	A.M. PRIDE	750	800	3	40500	106.66
				800	3	40500	106.66
	1802	ALLIED PRIDE	750	820	1	10090	109.33
				820	1	10090	109.33
	1826	ALLIED PRIDE	730	780	11	274640	106.84
			730	820	2	22890	112.32
				783	13	297460	107.26
	1840	SPEC ALLIED PRIDE	750	800	3	64090	106.66
			750	820	2	58730	109.33
				810	5	122820	107.94
	2000	BRITE LITE THIN	670	700	9	79280	104.47
			670	710	1	6100	105.97
			670	720	14	187530	107.46
			670	740	1	13380	110.44
				715	25	286290	106.74
	2328	DICTIONARY TEXT	750	780	1	26350	104.00
			750	800	5	123040	106.66
				796	6	149390	106.19
	2405	SHAKESPEARE THIN	750	790	3	53350	105.33
				790	3	53350	105.33
	2503	SOLITUDE OPAQUE	750	680	1	13890	90.66
			750	750	1	20380	100.00
			750	800	2	8380	106.66
			750	820	3	62340	109.33
				786	7	104980	104.84
	2522	SPECIAL SOLITUDE OPAQUE	740	770	3	54790	104.05
			740	780	4	110510	105.40
				777	7	165300	104.95
	2540	A P LIGHT WEIGHT	670	720	8	87240	107.46
				720	8	87240	107.46
	3830	WHITE BOOKLITE	750	800	10	271070	106.66
				800	10	271070	106.66
	7100	K WHITE OFFSET	680	725	2	38880	106.61
				725	2	38880	106.61
	7200	RAVENSWOOD OPAQUE	680	750	7	219570	110.29
				750	7	219570	110.29

SD 865453

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 6
RUN DATE: 06/01/83 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				770	97	1946940	107.00

SA 065454

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1000	Q.P. OFFSET	730	780	2	83980	106.84
				780	2	83880	106.84
	1208	A M PRIDE	730		1		
			730	750	3	133000	102.73
				750	4	133000	102.73
	1702	J OPACIFIED OFFSET	730	750	8	171820	102.73
				750	8	171820	102.73
	2507	SOLITUDE OPAQUE	730	750	2	35590	102.73
				750	2	35590	102.73
	2536	I B M MANUAL	730	720	1	22800	98.63
			730	730	3	63980	100.00
			730	750	1	20610	102.73
				732	5	107390	100.23
	3020	BW SUPERIOR OFFSET - ANTIQUE	720	750	1	7070	104.16
			720	770	1	7240	106.94
				760	2	14310	105.57
	7100	K WHITE OFFSET	720	750	2	10150	104.16
			720	760	2	15300	105.55
			720	770	2	17960	106.94
			720	780	13	196030	108.33
				777	19	239440	107.87
	7101	K WHITE OFFSET	730	780	2	23910	106.84
				780	2	23910	106.84
	7102	K WHITE OFFSET	730		1	6490	
			730	700	1	23170	95.89
			730	710	2	43070	97.26
			730	720	19	361510	98.63
			730	730	8	162640	100.00
			730	740	10	177120	101.36
			730	750	38	752300	102.73
			730	760	1	6750	104.10
				735	80	1533050	100.63
	7103	K WHITE OFFSET	650	670	2	43150	103.07
			650	700	2	43250	107.69
			650	720	4	55780	110.76
				699	8	142180	107.49
	7104	K WHITE OFFSET	590	600	6	121450	101.69
			590	620	3	59680	105.03
			590	640	10	219520	108.47

SA 0855455

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			590	650	4	76060	110.16
				629	23	476710	106.59
	7105	K WHITE OFFSET	500	520	3	82220	104.00
			500	540	3	32820	108.00
				526	6	115040	105.14
	7120	P W K OFFSET - ANTIQUE	720		1		
			720	780	2	23870	108.33
				780	3	23870	108.33
	7122	BW K OFFSET - ANTIQUE	730	750	1	20730	102.73
				750	1	20730	102.73
	7123	BW K OFFSET - ANTIQUE	650	700	2	20660	107.69
				700	2	20660	107.69
	7124	BW K OFFSET - ANTIQUE	590	620	4	39370	105.08
			590	640	3	24380	108.47
				628	7	63750	106.39
	7200	RAVENSWOOD OPAQUE	720	780	1	10130	108.33
				780	1	10130	108.33
	7204	RAVENSWOOD OPAQUE	590	640	18	459620	108.47
			590	650	1	19730	110.14
				640	19	479350	108.54
				705	194	3694810	103.90

SA 865456

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	253	HWT - NON BLEED R.S.	600		1		
			600	700	2	38170	116.66
				700	3	38170	116.66
	271	TYPE IV BASE STOCK DRY TON	450	500	2	17270	111.11
				500	2	17270	111.11
	273	TYPE IV E DT BLADE BASE	430	490	4	68210	113.95
				490	4	68210	113.95
	276	TYPE IV E DT BLADE BASE	500	550	8	257730	110.00
			500	560	10	257400	112.00
				555	18	515130	111.00
	278	TYPE IV 1/2 LTLW BLADE BASE	540	550	2	41770	101.85
				550	2	41770	101.85
	1000	O.P. OFFSET	670	750	2	39990	111.94
				750	2	39990	111.94
	1203	A.M. PRIDE	720	770	1	9120	106.94
				770	1	9120	106.94
	1206	SPEC A.M. PRIDE	700	770	10	234770	110.00
				770	10	234770	110.00
	1207	A.M. PRIDE	670	770	2	39960	114.92
				770	2	39960	114.92
	1209	A M PRIDE	630	730	4	42160	115.87
				730	4	42160	115.87
	1210	GENERIC OFFSET	550	550	1	5520	100.00
			550	630	1	6650	114.54
				594	2	12170	107.95
	1800	PRIDE OPAQUE	720	770	4	40330	106.94
				770	4	40330	106.94
	1805	ALLIED PRIDE	720	780	2	16720	108.33
				780	2	16720	108.33
	1810	BW PRIDE OPAQUE	700	780	2	14950	111.42
				780	2	14950	111.42
	2240	LAWYERS WHITE OFFSET	720	760	7	168460	105.55
				760	7	168460	105.55
	2514	INTERNATIONAL HARVESTER OPAQUE	720	750	2	41900	104.16

SA 065457

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURPENCE	QUAN LBS	EFFICIENCY
				750	2	41900	104.16
	2535	MANUAL OFFSET	700	740	4	84330	105.71
			700	750	4	85120	107.14
			700	760	2	20630	108.57
			700	770	4	101160	110.00
				755	14	291240	107.8[illegible]
	2536	I B M MANUAL	630	720	2	6280	114.29
			630	730	1	16730	115.87
			630	740	2	44060	117.46
			630	750	2	48570	119.04
				742	7	115640	117.72
	2543	A.P. LIGHTWEIGHT	720	770	4	44590	106.94
				770	4	44590	106.94
	2545	A.P. LIGHTWEIGHT	720	770	4	81570	106.94
				770	4	81570	106.94
	3002	SUPERIOR OFFSET	630	750	2	47260	119.04
				750	2	47260	119.04
	3830	WHITE BOOKLITE	720	550	1	2650	76.38
			720	790	1	7040	109.72
				724	2	9700	100.58
	3835	WHITE BOOK LITE	720	780	4	40120	108.33
				780	4	40120	108.33
	7100	K WHITE OFFSET	700	750	4	33940	107.14
			700	760	1	19560	108.57
			700	770	2	59440	110.00
				762	7	111840	108.88
	7101	K WHITE OFFSET	670	750	8	138540	111.94
				750	8	138540	111.94
	7102	K WHITE OFFSET	630	700	7	97560	111.11
			630	750	6	85250	119.04
				723	13	182810	114.31
	7135	WHITE SPECIAL OFFSET	680	750	1	15920	110.29
			680	770	1	18240	113.23
			680	780	2	46190	114.70
			680	790	3	89020	116.17
				781	7	169370	114.30
	7202	RAVENSWOOD OPAQUE	630	730	3	54070	115.87

SH 655458

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 11
RUN DATE: 06/01/83 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			630	750	3	46320	119.04
				739	6	100390	117.33
	7204	RAVENSWOOD OPAQUE	550	600	3	62150	109.09
			550	630	1	25290	114.54
				609	4	87440	110.67
				701	149	2761590	111.03

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	871	MASTERBASE TYPE V LTHW-S	350		2	17220	
					2	17220	
	873	MASTERBASE TYPE IV DTHW	320		3	72605	
					3	72605	
	876	MASTERBASE TYPE IV DT	320		17	493620	
					17	493620	
	878	MASTER BASE TYPE IV 1/2 LTLW	325		2	42160	
					2	42160	
					24	625605	

SA 865460

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 06/01/83 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1401	BRITISH OPAQUE - SERVICE OFFSE	116	114	4	45660	98.27
				114	4	45660	98.27
	2000	BRITE LITE THIN	110	115	8	95300	104.54
			110	112	3	9250	101.81
			110	108	4	20930	98.18
			110	93	1	3760	84.54
				113	16	129740	102.74
	2001	BRITE LITE THIN	110	100	4	42480	90.90
				100	4	42480	90.90
	2005	BRITE LITE THIN	110	102	3	4330	92.72
				102	3	4330	92.72
	2101	BRITISH OPAQUE	121	112	3	39840	92.56
				112	3	39840	92.56
	2104	BRITISH OPAQUE	110	111	5	49050	100.90
			110	108	1	2510	98.18
				111	6	51560	100.77
	2109	B.W. BIBLE	110	108	2	21800	98.18
				108	2	21800	98.18
	2200	IMPERIAL BIBLE	110	96	2	21520	87.27
				96	2	21520	87.27
	2202	IMPERIAL BIBLE	110	116	1	3480	105.45
				116	1	3480	105.45
	2221	EXTRA WH IMPERIAL BIBLE	102	117	3	24160	114.70
				117	3	24160	114.70
U	2224	NATO TEXT 80	118	96	1	3990	81.35
				96	1	3990	81.35
	2254	EX. WHITE IMPERIAL BIBLE	110	95	2	20520	86.36
				95	2	20520	86.36
	2503	SOLITUDE OPAQUE	110	105	2	10470	95.45
				105	2	10470	95.45
	2528	A H DICTIONARY	110	105	3	38790	95.45
				105	3	38790	95.45
	2540	A P LIGHT WEIGHT	110	112	2	19340	101.81
			110	98	1	3720	89.09
				110	3	23060	99.74

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SA 065461

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2541	A P LIGHTWEIGHT TY QPA	116	105	54	639250	90.51
				105	54	639250	90.51
	2542	A P LIGHT WEIGHT	105	111	4	47460	105.71
				111	4	47460	105.71
	2552	A.P. LICHT WEIGHT	112	113	5	47160	100.89
				113	5	47160	100.89
	6434	34 GM WHITE TIPPING	110	108	2	2690	98.18
				108	2	2690	98.18
				107	120	1217960	94.57

SA 865462

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1100	RW RAMTEXT NEW SHADE FB	138	138	38	807590	100.00
				138	38	807590	100.00
	1206	SPEC A.M. PRIDE	142	140	2	18730	98.59
				140	2	18730	98.59
	1209	A M PRIDE	148	144	2	44670	97.29
			148	142	2	42290	95.96
			148	140	2	33060	94.59
			148	136	1	7480	91.89
				142	7	127500	95.83
	2202	IMPERIAL BIBLE	140	130	2	46420	92.85
				130	2	46420	92.85
	2504	SOLITUDE OPAQUE	140	130	3	47920	92.85
				130	3	47920	92.85
	2513	IBM SUPERIOR OFFSET	140	145	3	39340	103.57
			140	142	7	80730	101.42
			140	140	4	80050	100.00
				142	14	200120	101.27
	2514	INTERNATIONAL HARVESTER OPAQUE	140	137	2	23950	97.95
			140	131	5	21550	93.57
			140	129	1	24500	91.42
				132	5	70000	94.29
	2535	MANUAL OFFSET	140	140	12	367090	100.00
				140	12	367090	100.00
	2903	DICKENS OFFSET	140	140	1	12320	100.00
				140	1	12320	100.00
U	3002	SUPERIOR OFFSET	142	146	4	143700	102.81
				146	4	143700	102.81
	6503	PL WH TRANSLUCENT PATTERN BASE	135	124	2	19400	91.95
			135	122	2	15480	90.37
				123	4	34850	91.19
	7100	K WHITE OFFSET	142	140	5	103520	98.59
			142	131	3	103340	92.25
			142	128	4	67960	90.14
			142	124	2	41200	87.32
				132	14	316020	93.23
	7101	K WHITE OFFSET	142	146	3	69320	102.51
			142	140	2	42480	98.60

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SR 065463

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				144	5	111800	101.21
	7102	K WHITE OFFSET	142	144	2	24540	101.40
			142	140	11	386300	98.59
			142	135	2	41880	95.07
			142	134	2	72190	94.36
				139	17	524910	97.96
	7109	BW K OFFSET	148	130	1	15440	87.83
				130	1	15440	87.83
	7201	RAVENSWOOD OPAQUE	140	140	2	76220	100.00
				140	2	76220	100.00
	7202	RAVENSWOOD OPAQUE	140	142	2	83280	101.42
			140	140	3	55330	100.00
			140	139	1	17940	99.28
				141	6	156550	100.67
				138	137	3077210	98.54

SA 065464

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1203	A.M. PRIDE	128	131	1	9900	102.34
			128	116	2	30600	90.62
				120	3	40500	93.43
	1802	ALLIED PRIDE	134	134	1	10090	100.00
				134	1	10090	100.00
	1826	ALLIED PRIDE	134	124	13	297460	92.5
				124	13	297460	92.5
	1940	SPEC ALLIED PRIDE	138	122	5	122820	88.40
				122	5	122820	88.40
	2000	BRITE LITE THIN	132	119	25	286290	90.15
				119	25	286290	90.15
	2328	DICTIONARY TEXT	132	136	6	149390	103.03
				136	6	149390	103.03
	2405	SHAKESPEARE THIN	132	126	3	53350	95.45
				126	3	53350	95.45
	2503	SOLITUDE OPAQUE	134	137	4	42640	102.23
			134	131	3	62340	97.76
				133	7	104980	99.18
	2522	SPECIAL SOLITUDE OPAQUE	134	126	7	165300	94.03
				126	7	165300	94.03
	2540	A P LIGHT WEIGHT	132	122	8	87240	92.42
				122	8	87240	92.42
	3830	WHITE BOOKLITE	134	125	10	271070	93.28
				125	10	271070	93.28
	7100	K WHITE OFFSET	136	128	2	38880	94.11
				128	2	38880	94.11
	7200	RAVENSWOOD OPAQUE	136	131	3	78630	96.32
			136	129	4	140940	94.11
				129	7	219570	94.99
				126	97	1846940	93.34

SA 065465

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1000	Q.P. OFFSET	114	114	2	83880	100.00
				114	2	83880	100.00
	1208	A M PRIDE	106	107	4	133000	100.94
				107	4	133000	100.94
	1702	J OPACIFIED OFFSET	105	119	3	77630	113.33
			105	112	3	79770	106.66
			105	107	1	3680	101.90
			105	102	1	10740	97.14
				114	8	171820	108.99
	2507	SOLITUDE OPAQUE	110	96	2	35590	87.27
				96	2	35590	87.27
	2536	I P M MANUAL	110	109	4	86780	98.18
			110	105	1	20610	95.45
				107	5	107390	97.44
	3020	BW SUPERIOR OFFSET - ANTIQUE	110	118	2	14310	107.27
				118	2	14310	107.27
	7100	K WHITE OFFSET	110	120	2	11720	109.09
			110	115	1	8850	104.54
			110	114	4	55360	103.63
			110	113	1	7540	102.72
			110	108	2	43470	98.18
			110	105	1	7260	95.45
			110	104	1	4000	94.54
			110	102	3	23880	92.72
			110	100	4	77360	90.90
				107	19	239440	97.21
	7101	K WHITE OFFSET	110	105	2	23910	95.45
				105	2	23910	95.45
	7102	K WHITE OFFSET	110	120	6	186500	109.09
			110	119	1	21970	108.18
			110	118	2	53370	107.27
			110	117	5	136750	106.36
			110	116	2	12000	105.45
			110	114	1	15530	103.63
			110	113	2	43070	102.72
			110	112	9	193850	101.81
			110	110	2	34790	100.00
			110	109	2	48900	99.09
			110	108	2	20520	98.18
			110	106	5	54550	96.36
			110	105	23	406420	95.45

SH 065466

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			110	104	3	40050	94.54
			110	103	2	31360	93.63
			110	102	4	78300	92.72
			110	101	3	104750	91.81
			110	100	4	38380	90.90
			110	90	2	9990	81.81
				109	80	1533050	99.45
	7103	K WHITE OFFSET	110	116	2	17880	105.45
			110	115	2	43150	104.54
			110	110	2	43250	100.00
			110	109	2	37900	99.09
				112	8	142180	101.82
	7104	K WHITE OFFSET	110	115	4	65500	104.54
			110	113	2	14950	102.72
			110	107	5	129650	97.27
			110	105	8	105980	95.45
			110	104	4	160720	94.54
				107	23	476710	97.12
	7105	K WHITE OFFSET	110	112	1	20880	101.81
			110	106	3	82220	96.36
			110	105	2	11940	95.45
				107	6	115040	97.27
	7120	B W K OFFSET - ANTIQUE	122	108	3	23870	88.52
				108	3	23870	88.52
	7122	BW K OFFSET - ANTIQUE	110	105	1	20730	95.45
				105	1	20730	95.45
	7123	BW K OFFSET - ANTIQUE	110	93	2	20650	84.54
				93	2	20650	84.54
	7124	BW K OFFSET - ANTIQUE	110	115	2	23930	104.54
			110	114	1	3680	103.63
			110	113	2	7170	102.72
			110	105	1	10050	95.45
			110	104	1	19920	94.54
				110	7	63750	99.8
	7200	RAVENSWOOD OPAQUE	110	105	1	10130	95.45
				105	1	10130	95.45
	7204	RAVENSWOOD OPAQUE	110	119	13	382970	108.18
			110	106	2	17600	96.36
			110	105	2	23130	95.45
			110	102	2	55650	92.72

SA 865467

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 8
RUN DATE: 06/01/83 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIFNCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				116	19	479350	105.34
				110	194	3694810	99.27

SA 065468

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 9
RUN DATE: 06/01/83 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1993

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	253	HWT - NON BLEED R.S.	104	114	3	38170	109.61
				114	3	38170	109.61
	271	TYPE IV BASE STOCK DRY TON	104	107	2	17270	102.88
				107	2	17270	102.88
	273	TYPE IV E DT BLADE BASE	104	116	4	68210	111.53
				116	4	68210	111.53
	276	TYPE IV E DT BLADE BASE	124	118	15	456540	95.16
			124	114	2	32310	91.93
			124	112	1	26280	90.32
				117	18	515130	94.71
	278	TYPE IV 1/2 LTLW BLADE BASE	104	118	2	41770	113.46
				118	2	41770	113.46
	1000	O.P. OFFSET	114	114	2	39990	100.00
				114	2	39990	100.00
	1203	A.M. PRIDE	121	112	1	9120	92.56
				112	1	9120	92.56
	1206	SPEC A.M. PRIDE	102	116	4	114190	113.72
			102	105	4	105730	102.94
			102	89	2	14850	86.27
				109	10	234770	107.13
	1207	A.M. PRIDE	106	105	2	39960	99.05
				105	2	39960	99.05
	1209	A M PRIDE	110	114	3	21570	103.63
			110	105	1	20590	95.45
				110	4	42160	99.64
	1210	GENERIC OFFSET	110	105	2	12170	95.45
				105	2	12170	95.45
	1800	PRIDE OPAQUE	110	107	4	40330	97.27
				107	4	40330	97.27
	1805	ALLIED PRIDE	110	120	1	12400	109.09
			110	106	1	4320	96.36
				116	2	16720	105.90
	1810	BW PRIDE OPAQUE	110	105	2	14950	95.45
				105	2	14950	95.45
	2240	LAWYERS WHITE OFFSET	110	116	7	168460	105.43

SD 0059469

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				116	7	168460	105.45
	2514	INTERNATIONAL HARVESTER OPAQUE	105	116	2	41900	110.47
				116	2	41900	110.47
	2535	MANUAL OFFSET	110	108	4	84330	98.18
			110	107	7	139430	97.27
			110	106	1	23320	96.36
			110	105	2	44160	95.45
				107	14	291240	97.18
	2536	I B M MANUAL	110	108	2	44060	98.18
			110	105	3	23010	95.45
			110	99	2	48570	90.00
				104	7	115640	94.20
	2543	A.P. LIGHTWEIGHT	112	105	4	44590	93.75
				105	4	44590	93.75
	2545	A.P. LIGHTWEIGHT	110	107	4	81570	97.27
				107	4	81570	97.27
	3002	SUPERIOR OFFSET	110	114	2	47260	103.63
				114	2	47260	103.63
	3830	WHITE BOOKLITE	110	94	2	9700	85.45
				94	2	9700	85.45
	3835	WHITE BOOK LITE	121	105	4	40120	86.77
				105	4	40120	86.77
	7100	K WHITE OFFSET	110	116	2	10820	105.45
			110	114	3	78000	103.63
			110	113	1	18500	102.72
			110	109	1	4520	99.09
				114	7	111840	103.47
	7101	K WHITE OFFSET	110	119	1	14140	108.18
			110	113	3	58940	102.72
			110	109	4	65460	99.18
				111	8	138540	101.13
	7102	K WHITE OFFSET	110	116	2	20120	105.45
			110	108	2	23650	98.18
			110	106	2	35820	96.36
			110	105	5	78740	95.45
			110	100	2	24480	90.90
				106	13	192910	96.47

SH 865470

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7135	WHITE SPECIAL OFFSET	110	112	7	169370	101.81
				112	7	169370	101.81
	7202	RAVENSWOOD OPAQUE	110	105	6	100390	95.45
				105	6	100390	95.45
	7204	RAVENSWOOD OPAQUE	110	119	2	45440	108.19
			110	105	2	42000	95.45
				112	4	87440	102.07
				111	149	2761590	99.73

SA 865471

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 05,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	871	MASTERBASE TYPE V LTHW-S	102	104	2	17220	101.96
				104	2	17220	101.96
	873	MASTERBASE TYPE IV DTHW	102	114	2	36122	111.76
			102	113	1	36483	110.78
				113	3	72605	111.27
	876	MASTERBASE TYPE IV DT	102	115	10	315983	112.74
			102	111	1	32240	108.82
			102	107	4	81250	104.90
			102	105	1	36313	102.94
			102	89	1	27834	87.25
				111	17	493620	109.04
	878	MASTER BASE TYPE IV 1/2 LTLW	102	115	2	42160	112.74
				115	2	42160	112.74
				112	24	625605	109.35

SA 865472

April 1983

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5491 + 495	5966
[illegible] 439+390	182[illegible]

SA 065473

PROGRAM: N4PS7610 — S C M A L L I E D P A P E R I N C. — PAGE 1
RUN DATE: 05/03/83 — DAILY PRODUCTION SYSTEM
RUN TIME: 162336 — PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC
5	30.00	2000	BRITE LITE THIN						1360	1360-	
5	40.00	2004	NATO TEXT 80 BIBLE	10.8	9.8	98.96	14380	14010		14010	97.43
5	40.00	2004	NATO TEXT BIBLE 80	2.8	1.8	70.13	3676	4320		4320	117.52
5	40.00	2004	NATO TEXT 80	27.4	26.1	103.92	51112	46370		46370	90.72
5	30.00	2540	A P LIGHT WEIGHT	33.5	29.4	95.74	56781	50780	9120	41660	73.37
5	40.00	2541	A P LIGHTWEIGHT TY Q	89.0	85.3	104.56	164796	162930	1370	161560	98.04
5	40.00	2542	A P LIGHT WEIGHT	33.8	33.6	108.45	65801	75640		75640	114.95
5	21.50	6400	CIGARETTE TIPPING -	429.2	418.7	106.42	625376	632270	5760	626510	100.18
	21.47		MACH TOTAL 1.89091	626.5	604.4	105.24	981922	986320	17610	968710	98.65
6	30.00	1100	BW RAMTEXT NEW SHADE	134.9	128.8	104.16	565218	568070	4520	563550	99.70
6	50.00	1200	A M PRIDE	10.8	9.9	100.00	69059	75770		75770	109.72
6	60.00	1210	GENERIC OFFSET	10.5	8.4	87.27	61621	61670		61670	100.08
6	30.00	2202	IMPERIAL BIBLE	62.0	56.4	99.24	233155	242680	2850	239830	102.86
6	40.00	2513	IBM SUPERIOR OFFSET	13.0	12.5	104.90	74193	84350		84350	113.69
6	40.00	2530	MANUAL OFFSET	53.8	49.9	101.18	292013	303220	7530	295690	101.26
6	55.00	3023	BW SUPERIOR OFFSET -	2.9	1.8	67.71	12168	13040		13040	107.17
6	30.00	3830	WHITE BOOKLITE	65.8	63.7	106.42	361981	384100	2630	381470	105.38
6	40.00	7100	K WHITE OFFSET	31.8	30.7	105.32	168105	186420		186420	110.89
6	50.00	7102	K WHITE OFFSET	74.6	70.6	103.24	488330	533550	2500	531050	108.75
6	40.00	7200	RAVENSWOOD OPAQUE	51.1	47.9	102.26	283392	296150	1170	294980	104.09
6	50.00	7202	RAVENSWOOD OPAQUE	5.8	5.8	109.09	40685	44600		44600	109.62
6	29.50	9001	DUPONT PAPER (BLUE)	88.5	82.7	101.94	305990	313990	6810	307180	100.39
	33.66		MACH TOTAL 1.89091	625.5	589.1	102.74	2955910	3107610	28010	3079600	104.18
	33.76		MILL C TOTAL	1252.0	1193.5	103.99	3937832	4093930	45620	4048310	102.81
7	30.00	1100	BW RAMTEXT NEW SHADE						6620	6620-	
7	30.00	1203	A.M. PRIDE	5.1	4.8	102.67	18316	18200		18200	99.37
7	50.00	1200	A M PRIDE	8.2	7.7	102.44	42297	45900		45900	108.52
7	60.00	1210	GENERIC OFFSET	13.5	13.4	108.28	87989	77760		77760	88.37
7	20.00	1826	ALLIED PRIDE	12.3	10.5	93.13	34893	29820		29820	85.46
7	50.00	2000	BRITE LITE THIN	46.0	36.9	87.51	79776	33660	900	32760	41.06
7	30.00	2001	BRITE LITE THIN	100.7	90.2	97.72	223256	121630	11840	109790	49.18
7	30.00	2005	BRITE LITE THIN	12.0	10.4	94.55	41865	32660		32660	78.01
7	40.00	2503	SOLITUDE OPAQUE	32.8	27.7	92.13	113277	71520	2250	69270	61.15
7	20.00	2540	A P LIGHT WEIGHT	13.7	12.3	97.94	27154	14720		14720	54.21
7	30.00	2541	A P LIGHT WEIGHT						3710	3710-	
7	30.00	2542	A.P. LIGHTWEIGHT	51.7	49.6	104.66	208197	216810		216810	104.14
7	40.00	2542	A.P. LIGHTWEIGHT	40.4	39.6	106.93	131788	140670	2450	138220	104.88
7	40.00	3830	WHITE BOOKLITE	58.3	51.8	96.93	205903	179530	10090	169440	82.29
7	30.00	3838	WHITE BOOK LITE	215.9	202.1	102.12	939383	948400	15120	933280	99.35
7	50.00	7102	K WHITE OFFSET	17.4	17.1	107.21	74650	84100		84100	112.66
	33.71		MACH TOTAL 1.89091	628.0	574.1	99.73	2228744	2015380	52980	1962400	88.05

SA 865474

PROGRAM: N4PS7010 — S C M A L L I E D P A P E R I N C. — PAGE 2
RUN DATE: 05/03/83 — DAILY PRODUCTION SYSTEM
RUN TIME: 162336 — PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

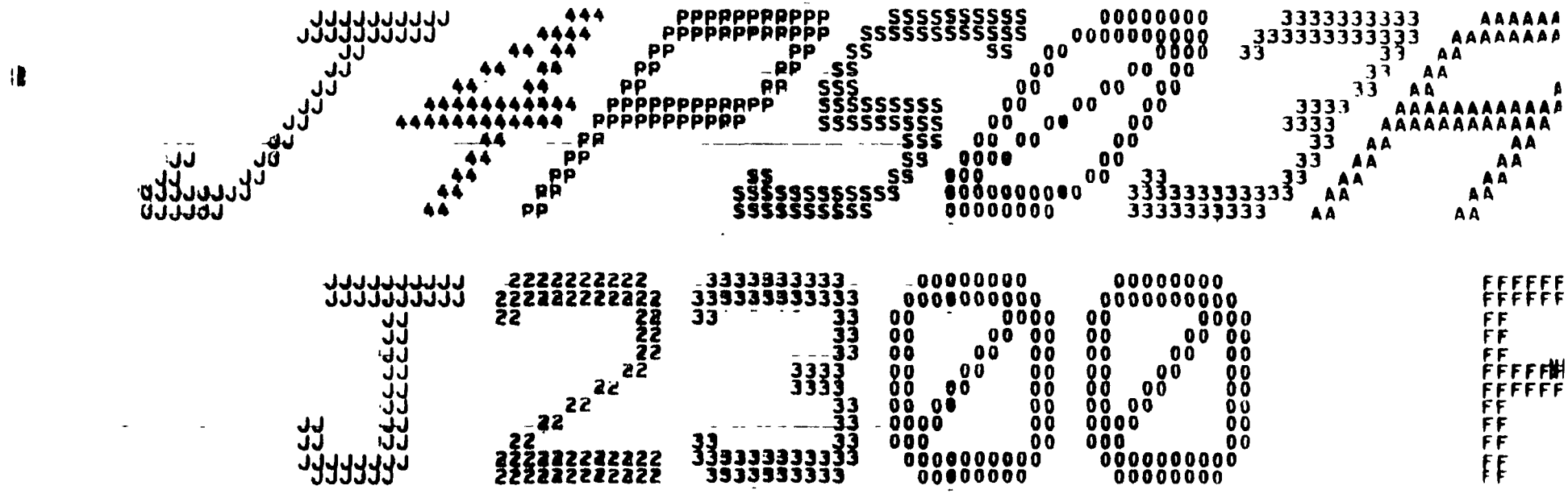
MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
8	45.00	1000	Q.P. OFFSET	15.9	15.1	103.60	79871	86480	8090	78390	98.15
8	38.00	1203	A.M. PRIDE	43.0	39.2	99.45	112448	104980	3420	101560	90.32
8	45.00	1207	A.M. PRIDE	19.6	18.8	104.64	91590	100340	13240	87100	95.10
8	50.00	1208	A M PRIDE	43.4	42.6	107.08	233187	246630		246630	105.76
8	50.00	1702	J OPACIFIED OFFSET	8.4	8.4	109.09	45765	49940		49940	109.12
8	38.00	1800	PRIDE OPAQUE	5.0	3.7	80.73	12584	11030		11030	87.65
8	30.00	2240	LAWYERS WHITE OFFSET	33.2	32.2	105.81	115041	111030	8170	102860	89.41
8	40.00	2503	SOLITUDE OPAQUE	24.6	19.9	88.25	69871	46900	3460	43420	62.14
8	40.00	2513	IBM SUPERIOR OFFSET	4.4	4.4	109.09	18935	22620		22620	119.46
8	40.00	2535	MANUAL OFFSET	9.2	8.6	101.98	36661	42240		42240	115.22
8	38.00	2538	I B M MANUAL	9.0	8.3	100.61	44794	44160		44160	98.58
8	35.00	2560	A.P. LIGHTWEIGHT	4.4	4.2	104.13	16027	17040		17040	106.32
8	60.00	3004	SUPERIOR OFFSET	1.4	1.3	101.30	6695	7720		7720	115.31
8	40.00	7000	CALENDAR PAD OFFSET	18.4	17.9	106.13	82968	94950		94950	114.44
8	40.00	7100	K WHITE OFFSET	76.3	71.0	101.51	301100	335750	2680	333070	110.62
8	46.00	7101	K WHITE OFFSET	62.6	59.8	104.21	302250	330510		330510	109.35
8	50.00	7102	K WHITE OFFSET	170.4	163.3	104.55	915115	922000		922000	100.75
8	60.00	7104	K WHITE OFFSET	56.8	55.1	105.83	296265	319100		319100	107.71
8	80.00	7107	K WHITE OFFSET	8.2	7.0	93.13	34712	37650		37650	108.46
8	50.00	7122	BW K OFFSET - ANTIQU	28.4	27.6	106.02	156622	162040		162040	103.46
8	60.00	7124	BW K OFFSET - ANTIQU	1.2	1.0	90.91	5850	7740		7740	132.31
8	40.00	7200	RAVENSWOOD OPAQUE	6.9	6.6	104.35	26796	26880		26880	100.31
8	60.00	7204	RAVENSWOOD OPAQUE	2.6	1.9	79.72	10070	10670	1969	10670	105.96
	49.14		MACH TOTAL 1.09091	653.3	617.9	103.18	3015217	3138400	39080	3099320	102.79
9	30.00	203	LAUREL TEXT - RS	12.5	9.0	78.55	38348	42320		42320	110.36
9	40.00	230	TYPE IV E OT BLADE B	82.8	77.7	102.37	362058	416110	30446	385664	106.52
9	50.00	279	TYPE PF9000 BLADE BA	11.2	8.9	86.69	35424	34100		34100	96.26
9	45.00	1000	Q.P. OFFSET	38.3	35.6	101.40	172885	202390	1020	201370	116.48
9	38.00	1203	A.M. PRIDE	19.5	18.5	103.50	63757	73760	630	73130	114.70
9	50.00	1208	A M PRIDE	9.2	8.5	100.79	39626	46510		46510	117.37
9	38.00	1230	MININ BIBLE	8.9	7.6	93.16	26265	26910	500	26410	100.55
9	38.00	1800	PRIDE OPAQUE	45.9	39.7	94.36	131863	128320	1500	126820	96.18
9	35.00	2104	BRITISH OPAQUE	9.7	9.0	101.22	37807	41900		41900	110.83
9	24.00	2109	B.W. BIBLE						4900	4900-	
9	30.00	2202	IMPERIAL BIBLE	4.5	3.2	77.58	10117	10760	3960	6800	67.21
9	24.00	2210	IMPERIAL BIBLE EF NA	40.1	37.3	101.47	86882	88130	2270	85860	98.82
9	26.00	2230	WHITE IMPERIAL BIBLE	3.5	2.7	84.16	7464	8730		8730	116.96
9	50.00	2400	SHAKESPEARE THIN	39.4	36.7	101.62	120492	125520	750	124770	103.59
9	40.00	2440	SHAKESPEARE THIN	10.5	9.3	96.62	39060	40440	4140	36300	92.93
9	38.00	2503	SOLITUDE OPAQUE	16.2	12.2	82.15	38475	36880	900	35980	93.52
9	35.00	2504	SOLITUDE OPAQUE	3.4	2.9	93.05	11046	12420		12420	112.44
9	40.00	2508	SOLITUDE OPAQUE	13.4	9.8	79.78	40156	43450	1400	42050	104.72
9	40.00	2513	IBM SUPERIOR OFFSET	25.3	22.8	98.31	168140	105380		105380	62.67
9	35.00	2514	INTERNATIONAL HARVES	12.2	11.3	101.04	43242	49280		49280	113.96
9	40.00	2535	MANUAL OFFSET	37.9	36.7	105.64	154058	178880		178880	116.11

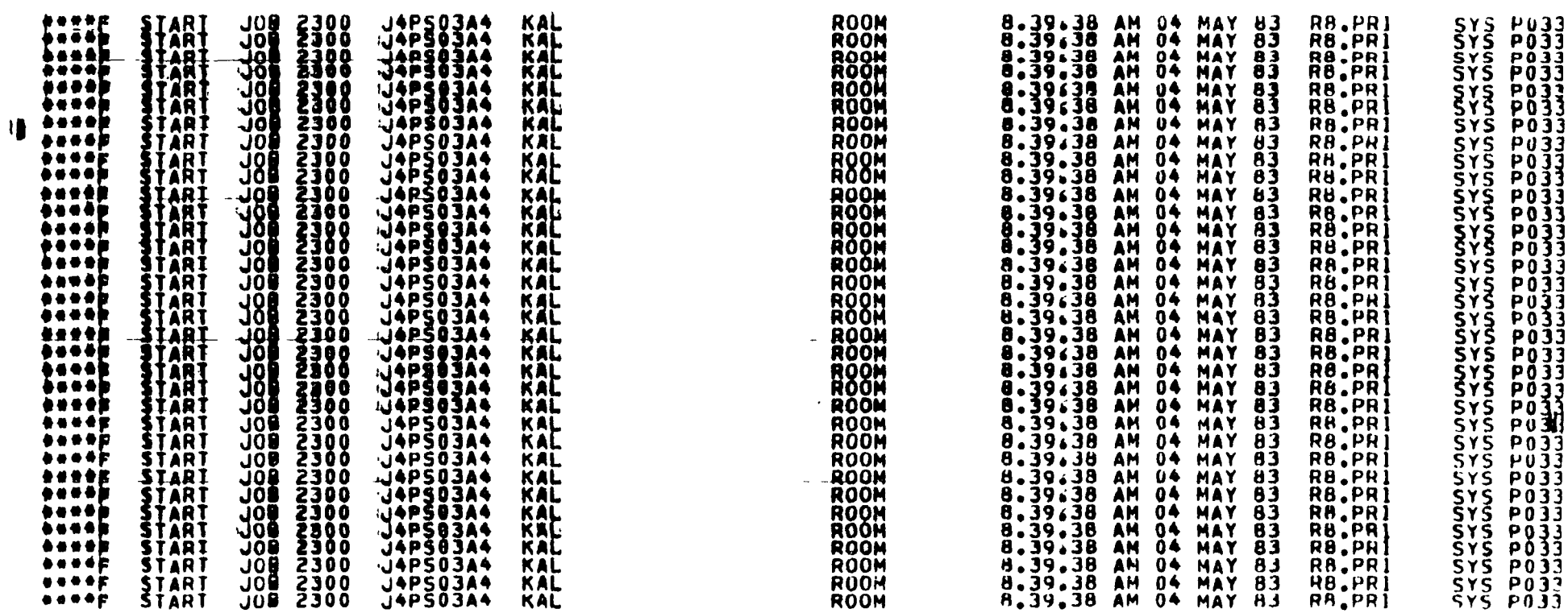
SA 065475

PROGRAM: N4PS7010 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 05/03/83 DAILY PRODUCTION SYSTEM
RUN TIME: 162336 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04.1983

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
9	50.00	2536	I B M MANUAL	29.9	27.8	101.43	131327	150190	20240	129950	98.95
9	38.00	2568	A.P. LIGHTWEIGHT	31.5	30.6	105.63	113871	128580		128580	112.92
9	50.00	3002	SUPERIOR OFFSET	3.0	2.7	98.18	13546	15060		15060	111.18
9	38.00	3838	WHITE BOOK LITE	15.3	13.4	95.54	50089	59290		59290	118.37
9	45.00	7101	K WHITE OFFSET	17.3	16.6	104.68	74251	88080	1290	86790	116.89
9	50.00	7102	K WHITE OFFSET	40.8	38.6	103.21	179952	218970		218970	121.68
9	40.00	7200	RAVENSWOOD OPAQUE	12.9	9.1	76.96	41589	43030		43030	103.46
9	50.00	7202	RAVENSWOOD OPAQUE	8.1	7.7	103.70	36202	43990		43990	121.51
9	60.00	7204	RAVENSWOOD OPAQUE	2.3	2.3	109.09	12004	12000		12000	99.97
	43.32		MACH TOTAL 1.09091	605.5	548.1	98.75	2279996	2471380	73946	2397434	105.15
	42.35		MILL D TOTAL	1886.8	1740.1	100.61	7523957	7625160	166006	7459154	99.14
	39.35		BOOK MILL TOTAL	3138.8	2933.6	101.96	11461789	11719090	211626	11507464	100.40
17	50.00	803	LAUREL TEXT	6.0	5.3	97.47	46731	47410		47410	101.45
17	78.00	8744	TYPE 904-B	8.0	7.4	102.07	19060	12480		12480	65.48
17	87.50	8760	MASTERBASE TYPE IV D	124.0	120.7	107.41	460037	507210	18110	489100	106.32
17	82.00	8794	MASTERBASE TYPE PF90	11.0	10.5	105.33	36690	28610		28610	77.98
	50.00		BLADE SUBTOTAL	6.0	5.3	97.47	46731	47410		47410	101.45
	87.00		*BLADE SUBTOTAL	143.0	138.6	106.95	515787	548300	18110	530190	102.79
	84.05		BLADE COATER 1.10345	149.0	143.9	106.57	562518	595710	18110	577600	102.68
	39.39		GRAND SUBTOTAL	3144.8	2938.9	101.95	11508520	11766500	211626	11554874	100.40
	87.00		*GRAND SUBTOTAL	143.0	138.6	106.95	515787	548300	18110	530190	102.79
	41.51		GRAND TOTAL	3287.8	3077.5	102.17	12024307	12314800	229736	12085064	100.51

865476





SA 8654727

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 09/09/83 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	2222	NATO TEXT 80 BIBLE	620	670	2	14010	108.06
				670	2	14010	108.06
	2223	NATO TEXT BIBLE 80	620	680	1	4320	109.67
				680	1	4320	109.67
	2224	NATO TEXT 80	600	640	2	17130	106.66
			600	650	1	11800	108.33
			600	660	1	15920	110.00
			600	680	1	1520	113.33
				651	5	46370	108.45
	2540	A P LIGHT WEIGHT	620	700	5	50780	112.90
				700	5	50780	112.90
	2541	A P LIGHTWEIGHT TY QPA	620	650	4	32680	104.83
			620	670	5	36460	108.06
			620	700	3	40280	112.90
			620	710	3	53510	114.51
				687	15	162930	110.73
	2542	A P LIGHT WEIGHT	620	700	5	75640	112.90
				700	5	75640	112.90
	6400	CIGARETTE TIPPING - CORK	500		1		
			500	450	1	10470	90.00
			500	480	5	47840	96.00
			500	500	13	95640	100.00
			500	510	13	112370	102.00
			500	520	30	326720	104.00
			500	530	3	39230	106.00
				512	66	632270	102.33
				574	99	986320	105.47

SP 065478

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1100	BW RAMTEXT NEW SHADE EB	750	780	19	568070	104.00
				780	19	568070	104.00
	1208	A M PRIDE	700	750	4	75770	107.14
				750	4	75770	107.14
	1210	GENERIC OFFSET	620	630	5	61670	101.61
				630	5	61670	101.61
	2202	IMPERIAL BIBLE	750	700	1	14890	93.33
			750	780	7	227790	104.00
				775	8	242680	103.35
	2513	IBM SUPERIOR OFFSET	740	780	4	84350	105.40
				780	4	84350	105.40
	2535	MANUAL OFFSET	740	780	11	303220	105.40
				780	11	303220	105.40
	3023	BW SUPERIOR OFFSET - ANTIQUE	670	670	1	1000	100.00
			670	700	1	7580	104.47
			670	750	1	4460	111.94
				715	3	13040	106.68
	3830	WHITE BOOKLITE	750	780	12	384100	104.00
				780	12	384100	104.00
	7100	K WHITE OFFSET	740	780	4	186420	105.40
				780	4	186420	105.40
	7102	K WHITE OFFSET	700	750	19	428910	107.14
			700	780	3	104640	111.42
				756	22	533550	107.98
	7200	RAVENSWOOD OPAQUE	740	770	1	47570	104.05
			740	780	8	248580	105.40
				778	9	296150	105.18
	7202	RAVENSWOOD OPAQUE	700	770	2	44600	110.00
				770	2	44600	110.00
	9001	DUPONT PAPER (BLUE)	600	300	1	29390	50.00
			600	600	11	284600	100.00
				572	12	313990	95.32
				750	115	3107610	104.25

SR 65479

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 05/03/83 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1203	A.M. PRIDE	750	790	2	18200	105.33
				790	2	18200	105.33
	1208	A M PRIDE	580	610	3	45900	105.17
				610	3	45900	105.17
	1210	GENERIC OFFSET	550	560	4	77760	101.81
				560	4	77760	101.81
	1826	ALLIED PRIDE	730	780	2	29820	106.84
				780	2	29820	106.84
	2000	BRITE LITE THIN	670	680	6	33660	101.49
			670	720	1		107.46
				680	7	33660	101.49
	2001	BRITE LITE THIN	670	650	2	17060	97.01
			670	720	10	94250	107.46
			670	750	5	10320	111.94
				713	17	121630	106.37
	2005	BRITE LITE THIN	750	680	1	2020	90.66
			750	750	2	30640	100.00
				746	3	32660	99.42
	2503	SOLITUDE OPAQUE	750	700	2	20480	93.33
			750	750	3	15220	100.00
			750	780	2	35820	104.00
				751	7	71520	100.09
	2540	A P LIGHT WEIGHT	670	740	2	6070	110.44
			670	750	2	8650	111.94
				746	4	14720	111.32
	2543	A.P. LIGHTWEIGHT	750	780	7	195090	104.00
			750	790	1	21720	105.33
				781	8	216810	104.13
	2549	A.P. LIGHTWEIGHT	710	780	7	140670	109.85
				780	7	140670	109.85
	3830	WHITE BOOKLITE	750	750	8	179530	100.00
				750	8	179530	100.00
	3835	WHITE BOOK LITE	740	730	1	14200	98.64
			740	740	4	96640	100.00
			740	750	1		101.35
			740	780	3	59860	105.40
			740	790	2	51640	106.75

SB 065480

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			740	800	19	726060	108.10
				791	30	948400	106.99
	7102	K WHITE OFFSET	580	610	3	84100	105.17
				610	3	84100	105.17
				756	105	2015360	105.41

SH 865481

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
A	1000	Q.P.& OFFSET	730	750	3	86480	102.73
				750	3	86480	102.73
	1203	A.M.& PRIDE	730	770	8	104980	105.47
				770	8	104980	105.47
	1207	A.M.& PRIDE	730	740	6	93670	101.36
			730	750	1	6670	102.73
				741	7	100340	101.45
	1208	A M PRIDE	730	730	3	112740	100.00
			730	740	6	133890	101.36
				735	9	246630	100.74
	1702	J OPACIFIED OFFSET	730	740	2	49940	101.36
				740	2	49940	101.36
	1800	PRIDE OPAQUE	730	750	2	11030	102.73
				750	2	11030	102.73
	2240	LAWYERS WHITE OFFSET	730	700	1	23130	95.89
			730	760	2	26970	104.10
			730	780	3	60930	106.84
				758	6	111030	103.89
	2503	SOLITUDE OPAQUE	730	750	1		102.73
			730	760	3	46900	104.10
				760	4	46900	104.10
	2513	IBM SUPERIOR OFFSET	720	780	1	22620	108.33
				780	1	22620	108.33
	2535	MANUAL OFFSET	720	780	2	42240	108.33
				780	2	42240	108.33
	2536	I B M MANUAL	730	720	3	44160	98.63
				720	3	44160	98.63
	2545	A.P.& LIGHTWEIGHT	730	760	2	17040	104.10
				760	2	17040	104.10
	3004	SUPERIOR OFFSET	590	620	1	7720	105.08
				620	1	7720	105.08
	7000	CALENDAR PAD OFFSET	720	780	5	94950	108.33
				780	5	94950	108.33
	7100	K WHITE OFFSET	720	750	2	24950	104.16
			720	760	1	7740	105.55

SA 865482

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

M	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	1000	Q.P& OFFSET	730	750	3	86480	102.73
				750	3	86480	102.73
	1203	A.M& PRIDE	730	770	8	104980	105.47
				770	8	104980	105.47
	1207	A.M& PRIDE	730	740	6	93670	101.36
			730	750	1	6670	102.73
				741	7	100340	101.45
	1208	A M PRIDE	730	730	3	112740	100.00
			730	740	6	133890	101.36
				735	9	246630	100.74
	1702	J OPACIFIED OFFSET	730	740	2	49940	101.36
				740	2	49940	101.36
	1800	PRIDE OPAQUE	730	750	2	11030	102.73
				750	2	11030	102.73
	2240	LAWYERS WHITE OFFSET	730	700	1	23130	95.89
			730	760	2	26970	104.10
			730	780	3	60930	106.84
				758	6	111030	103.89
	2503	SOLITUDE OPAQUE	730	750	1		102.73
			730	760	3	46900	104.10
				760	4	46900	104.10
	2513	IBM SUPERIOR OFFSET	720	780	1	22620	108.33
				780	1	22620	108.33
	2535	MANUAL OFFSET	720	780	2	42240	108.33
				780	2	42240	108.33
	2536	I B M MANUAL	730	720	3	44160	98.63
				720	3	44160	98.63
	2545	A.P& LIGHTWEIGHT	730	760	2	17040	104.10
				760	2	17040	104.10
	3004	SUPERIOR OFFSET	590	620	1	7720	105.08
				620	1	7720	105.08
	7000	CALENDAR PAD OFFSET	720	780	5	94950	108.33
				780	5	94950	108.33
	7100	K WHITE OFFSET	720	750	2	24950	104.16
			720	760	1	7740	105.55

SH 865483

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			720	770	4	55780	106.94
			720	780	17	247280	108.33
				776	24	335750	107.73
	7101	K WHITE OFFSET	730	750	2	41060	102.73
			730	760	6	161500	104.10
			730	770	3	115670	105.47
			730	780	2	12280	106.84
				763	13	330510	104.51
	7102	K WHITE OFFSET	730	700	5	78720	95.89
			730	720	15	270800	98.63
			730	730	14	226080	100.00
			730	740	6	100190	101.36
			730	750	14	232460	102.73
			730	760	1	13750	104.10
				731	55	922000	100.14
	7104	K WHITE OFFSET	590	610	4	93250	103.38
			590	620	3	44530	105.08
			590	630	7	163480	106.77
			590	730	2	17840	123.72
				628	16	319100	106.49
	7107	K WHITE OFFSET	400	400	3	37650	100.00
			400	610	1		152.50
				400	4	37650	100.00
	7122	BW K OFFSET - ANTIQUE	730	700	2	44960	95.89
			730	730	2	52180	100.00
			730	750	1	6700	102.73
			730	760	4	58200	104.10
				733	9	162040	100.45
	7124	BW K OFFSET - ANTIQUE	590	620	1	7740	105.08
				620	1	7740	105.08
	7200	RAVENSWOOD OPAQUE	720	780	2	26880	108.33
				780	2	26880	108.33
	7204	RAVENSWOOD OPAQUE	590		1		
			590	630	2	10670	106.77
				630	3	10670	106.77
				731	182	3138400	103.17

SR 065484

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	720	760	4	42320	105.55
				760	4	42320	105.55
	276	TYPE IV E DT BLADE BASE	500	500	1	42360	100.00
			500	540	1	14880	108.00
			500	550	11	265940	110.00
			500	560	5	92930	112.00
				547	18	416110	109.36
	279	TYPE PF9000 BLADE BASE	470	550	1	22540	117.02
			470	590	1	11560	125.53
				564	2	34100	119.90
	1000	G.P. OFFSET	670	720	4	118330	107.46
			670	750	3	84060	111.94
				732	7	202390	109.32
	1203	A.M. PRIDE	720	770	3	73760	106.94
				770	3	73760	106.94
	1208	A M PRIDE	630	730	4	46510	115.87
				730	4	46510	115.87
	1230	MINIM BIBLE	720	750	1	22870	104.16
			720	770	2	4040	106.94
				753	3	26910	104.58
	1800	PRIDE OPAQUE	720	750	5	68820	104.16
			720	760	3	58010	105.55
			720	780	1	1490	108.33
				755	9	128320	104.84
	2104	BRITISH OPAQUE	720	750	2	41900	104.16
				750	2	41900	104.16
	2202	IMPERIAL BIBLE	720	760	1	10760	105.55
				760	1	10760	105.55
	2210	IMPERIAL BIBLE EF NAT PUB	700	760	8	88130	108.57
				760	8	88130	108.57
	2236	WHITE IMPERIAL BIBLE	700	760	2	8730	108.57
				760	2	8730	108.57
	2405	SHAKESPEARE THIN	720	750	3	42860	104.16
			720	780	4	82660	108.33
				770	7	125520	106.91
	2440	SHAKESPEARE THIN	710	720	5	40440	101.40

SA 865485

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				720	5	40440	101.40
	2503	SOLITUDE OPAQUE	720	770	5	36880	106.94
				770	5	36880	106.94
	2504	SOLITUDE OPAQUE	720	760	1	12420	105.55
				760	1	12420	105.55
	2505	SOLITUDE OPAQUE	700	760	2	43450	108.57
				760	2	43450	108.57
	2513	IBM SUPERIOR OFFSET	700	740	4	50800	105.71
			700	750	1	35860	107.14
			700	760	2	18720	108.57
				747	7	105380	106.70
	2514	INTERNATIONAL HARVESTER OPAQUE	720	760	4	49280	105.55
				760	4	49280	105.55
	2535	MANUAL OFFSET	700	740	8	178880	105.71
				740	8	178880	105.71
	2536	I B M MANUAL	630	710	3	49910	112.69
			630	720	2	54290	114.28
			630	740	3	45990	117.46
				723	8	150190	114.73
	2545	A.P& LIGHTWEIGHT	720	760	9	128580	105.55
				760	9	128580	105.55
	3002	SUPERIOR OFFSET	630	720	1	15060	114.28
				720	1	15060	114.28
	3635	WHITE BOOK LITE	720	750	2	59290	104.16
				750	2	59290	104.16
	7101	K WHITE OFFSET	670	720	3	88080	107.46
				720	3	88080	107.46
	7102	K WHITE OFFSET	630	730	12	218970	115.87
				730	12	218970	115.87
	7200	RAVENSWOOD OPAQUE	700	750	3	43030	107.14
				750	3	43030	107.14
	7202	RAVENSWOOD OPAQUE	630	730	3	43990	115.87
				730	3	43990	115.87
	7204	RAVENSWOOD OPAQUE	550	620	1	12000	112.72

SA 065486

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 9
RUN DATE: 05/03/83 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				620	1	12000	112.72
				708	144	2471380	108.92

SA 865487

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	1300		2	47410	
					2	47410	
	874	TYPE 904-B	325		2	12480	
					2	12480	
	876	MASTERBASE TYPE IV DT	320		23	507210	
					23	507210	
	879	MASTERBASE TYPE PF9000	325		2	28610	
					2	28610	
					29	595710	

SA 865488

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 05/03/83 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	2222	NATO TEXT 80 BIBLE	102	87	2	14010	85.29
				87	2	14010	85.29
	2223	NATO TEXT BIBLE 80	102	111	1	4320	108.82
				111	1	4320	108.82
	2224	NATO TEXT 80	118	96	5	46370	81.35
				96	5	46370	81.35
	2540	A P LIGHT WEIGHT	110	111	5	50780	100.90
				111	5	50780	100.90
	2541	A P LIGHTWEIGHT TY QPA	116	105	15	162930	90.51
				105	15	162930	90.51
	2542	A P LIGHT WEIGHT	105	102	5	75640	97.14
				102	5	75640	97.14
	6400	CIGARETTE TIPPING - CORK	114	101	12	118430	88.59
			114	100	19	159240	87.71
			114	99	3	33390	86.84
			114	98	3	26650	85.96
			114	97	23	256310	85.08
			114	92	5	35140	80.70
			114	81	1	3110	71.05
				98	66	632270	86.22
				100	99	986320	88.38

SA 865489

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04.1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1100	BW RAMTEXT NEW SHADE EB	138	138	19	568070	100.00
				138	19	568070	100.00
	1208	A M PRIDE	148	142	2	44810	95.94
			148	140	2	30960	94.59
				141	4	75770	95.39
	1210	GENERIC OFFSET	142	140	5	61670	98.59
				140	5	61670	98.59
	2202	IMPERIAL BIBLE	140	130	8	242680	92.85
				130	8	242680	92.85
	2513	IBM SUPERIOR OFFSET	140	142	4	84350	101.42
				142	4	84350	101.42
	2535	MANUAL OFFSET	140	140	11	303220	100.00
				140	11	303220	100.00
	3023	BW SUPERIOR OFFSET - ANTIQUE	142	130	3	13040	91.54
				130	3	13040	91.54
	3830	WHITE BOOKLITE	138	136	12	384100	98.55
				136	12	384100	98.55
	7100	K WHITE OFFSET	142	131	4	186420	92.25
				131	4	186420	92.25
	7102	K WHITE OFFSET	142	148	1	25620	104.22
			142	146	2	50180	102.81
			142	144	1	14880	101.40
			142	141	1	15060	99.29
			142	140	7	285820	98.59
			142	139	2	20500	97.88
			142	138	3	44060	97.18
			142	136	1	14440	95.77
			142	135	2	49190	95.07
			142	133	2	13800	93.66
				140	22	533550	98.68
	7200	RAVENSWOOD OPAQUE	140	142	7	264070	101.42
			140	138	2	32080	98.57
				142	9	296150	101.11
	7202	RAVENSWOOD OPAQUE	148	142	2	44600	101.42
				142	2	44600	101.42
	9001	DUPONT PAPER (BLUE)	148	148	12	313990	100.00
				148	12	313990	100.00

SH 865490

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 05/03/83 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				139	115	3107610	98.56

SA 065491

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1203	A.M. PRIDE	128	120	2	18200	93.75
				120	2	18200	93.75
	1208	A M PRIDE	136	135	2	31410	99.26
			136	134	1	14490	98.52
				135	3	45900	99.03
	1210	GENERIC OFFSET	136	142	2	41760	104.41
			136	140	2	36000	102.94
				141	4	77760	103.73
	1826	ALLIED PRIDE	134	124	2	29820	92.53
				124	2	29820	92.53
	2000	BRITE LITE THIN	132	115	7	33660	87.12
				115	7	33660	87.12
	2001	BRITE LITE THIN	132	119	17	121630	90.15
				119	17	121630	90.15
	2005	BRITE LITE THIN	132	136	3	32660	103.03
				136	3	32660	103.03
	2503	SOLITUDE OPAQUE	134	131	5	35700	97.76
			134	123	2	35820	91.79
				127	7	71520	94.77
	2540	A P LIGHT WEIGHT	132	123	2	8650	93.18
			132	111	2	6070	84.09
				118	4	14720	89.43
	2543	A.P. LIGHTWEIGHT	134	132	8	216810	95.65
				132	8	216810	95.65
	2549	A.P. LIGHTWEIGHT	134	128	7	140670	95.52
				128	7	140670	95.52
	3830	WHITE BOOKLITE	134	125	8	179530	93.28
				125	8	179530	93.28
	3835	WHITE BOOK LITE	136	127	30	948400	93.38
				127	30	948400	93.38
	7102	K WHITE OFFSET	136	107	3	84100	78.67
				107	3	84100	78.67
				127	105	2015380	93.55

SD 065492

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1000	O.P. OFFSET	114	114	3	86480	100.00
				114	3	86480	100.00
	1203	A.M. PRIDE	120	120	2	4960	100.00
			120	90	6	100020	75.00
				91	8	104980	76.18
	1207	A.M. PRIDE	122	105	7	100340	86.06
				105	7	100340	86.06
	1208	A M PRIDE	106	111	2	33900	104.71
			106	107	3	112740	100.94
			106	105	2	41220	99.05
			106	104	2	58770	98.11
				107	9	246630	100.47
	1702	O OPACIFIED OFFSET	105	106	2	49940	100.95
				106	2	49940	100.95
	1800	PRIDE OPAQUE	110	114	1	7350	103.63
			110	102	1	3680	92.72
				110	2	11030	99.99
	2240	LAWYERS WHITE OFFSET	116	116	6	111030	100.00
				116	6	111030	100.00
	2503	SOLITUDE OPAQUE	110	114	4	46900	103.63
				114	4	46900	103.63
	2513	IBM SUPERIOR OFFSET	110	106	1	22620	96.36
				106	1	22620	96.36
	2535	MANUAL OFFSET	110	105	2	42240	95.45
				105	2	42240	95.45
	2536	I B M MANUAL	110	105	3	44160	95.45
				105	3	44160	95.45
	2545	A.P. LIGHTWEIGHT	110	106	2	17040	96.36
				106	2	17040	96.36
	3004	SUPERIOR OFFSET	110	103	1	7720	93.63
				103	1	7720	93.63
	7000	CALENDAR PAD OFFSET	110	120	1	37030	109.09
			110	114	2	48890	103.63
			110	96	2	9030	87.27
				115	5	94950	104.20

SP 065493

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7100	K WHITE OFFSET	110	120	2	24950	109.09
			110	119	2	15250	108.18
			110	113	2	35680	102.72
			110	105	8	91970	95.45
			110	104	4	55780	94.54
			110	100	1	15440	90.90
			110	99	1	17430	90.00
			110	98	1	15680	89.09
			110	95	3	63570	86.36
				105	24	335750	95.15
	7101	K WHITE OFFSET	110	113	3	62440	102.72
			110	112	1	20680	101.81
			110	110	4	168960	100.00
			110	108	1	25090	98.18
			110	101	4	53340	91.81
				109	13	330510	99.17
	7102	K WHITE OFFSET	110	121	1	20280	110.00
			110	120	3	75580	109.09
			110	118	5	139150	107.27
			110	117	2	14280	106.36
			110	116	2	19270	105.45
			110	115	3	19220	104.54
			110	114	3	27400	103.63
			110	113	3	24690	102.72
			110	112	3	60050	101.81
			110	107	2	15530	97.27
			110	106	4	60700	96.36
			110	105	12	227180	95.45
			110	104	2	40840	94.54
			110	102	6	122530	92.72
			110	100	1	22340	90.90
			110	95	2	22980	86.36
			110	90	1	9980	81.81
				109	55	922000	99.29
	7104	K WHITE OFFSET	110	115	3	18860	104.54
			110	112	1	4240	101.81
			110	111	4	124100	100.90
			110	106	1	9860	96.36
			110	105	3	47130	95.45
			110	104	3	101310	94.54
			110	98	1	13600	89.09
				107	16	319100	97.66
	7107	K WHITE OFFSET	110	115	2	19450	104.54
			110	105	2	18200	95.45
				110	4	37650	100.15

SA 065494

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 7
RUN DATE: 05/03/83 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7122	BW K OFFSET - ANTIQUE	110	113	4	84130	102.72
			110	112	2	44960	101.81
			110	105	1	3330	95.45
			110	102	1	22920	92.72
			110	101	1	6700	91.81
				111	9	162040	100.45
	7124	BW K OFFSET - ANTIQUE	110	117	1	7740	106.36
				117	1	7740	106.36
	7200	RAVENSWOOD OPAQUE	110	100	2	26880	90.90
				100	2	26880	90.90
	7204	RAVENSWOOD OPAQUE	110	106	3	10670	96.36
				106	3	10670	96.36
				108	182	3138400	97.70

SH 865495

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - HS	104	112	2	28000	107.69
			104	107	2	14320	102.88
				110	4	42320	106.06
	276	TYPE IV E OT BLADE BASE	124	119	2	21180	95.96
			124	118	1	26020	95.16
			124	112	3	46810	90.32
			124	109	12	322100	87.90
				110	18	416110	89.04
	279	TYPE PF9000 BLADE BASE	122	107	2	34100	87.70
				107	2	34100	87.70
	1000	O.P. OFFSET	114	114	7	202390	100.00
				114	7	202390	100.00
	1203	A.M. PRIDE	121	117	2	58550	96.69
			121	101	1	15210	83.47
				114	3	73760	93.96
	1208	A M PRIDE	110	105	4	46510	95.45
				105	4	46510	95.45
	1230	MINIM BIBLE	121	116	2	23470	95.86
			121	100	1	3440	82.64
				114	3	26910	94.17
	1800	PRIDE OPAQUE	110	114	3	33140	103.63
			110	113	2	35680	102.72
			110	105	4	59500	95.45
				110	9	128320	99.58
	2104	BRITISH OPAQUE	110	118	2	41900	107.27
				118	2	41900	107.27
	2202	IMPERIAL BIBLE	110	104	1	10760	94.54
				104	1	10760	94.54
	2210	IMPERIAL BIBLE EF NAT PUB	96	102	5	37880	106.25
			96	96	3	50250	100.00
				99	8	88130	102.69
	2236	WHITE IMPERIAL BIBLE	110	108	2	8730	98.18
				108	2	8730	98.18
	2405	SHAKESPEARE THIN	110	108	7	125520	98.18
				108	7	125520	98.18
	2440	SHAKESPEARE THIN	110	105	5	40440	95.45

SA 065496

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				105	5	40440	95.45
	2503	SOLITUDE OPAQUE	110	110	1	4500	100.00
			110	106	1	15400	96.36
			110	105	2	9940	95.45
			110	93	1	7040	84.54
				104	5	36880	94.30
	2504	SOLITUDE OPAQUE	110	107	1	12420	97.27
				107	1	12420	97.27
	2505	SOLITUDE OPAQUE	110	104	2	43450	94.54
				104	2	43450	94.54
	2513	IBM SUPERIOR OFFSET	110	950	1	9470	863.63
			110	114	1	8400	103.63
			110	107	1	7480	97.27
			110	105	3	78860	95.45
			110	95	1	1170	86.36
				182	7	105380	165.16
	2514	INTERNATIONAL HARVESTER OPAQUE	105	111	2	20840	105.71
			105	105	2	28440	100.00
				108	4	49280	102.41
	2535	MANUAL OFFSET	110	114	1	32640	103.63
			110	105	7	146240	95.45
				107	8	178880	96.94
	2536	I B M MANUAL	110	107	3	96600	97.27
			110	106	2	7600	96.36
			110	105	3	45990	95.45
				106	8	150190	96.67
	2545	A.P6 LIGHTWEIGHT	110	116	2	25300	105.45
			110	107	2	16530	97.27
			110	106	1	16880	96.36
			110	101	2	47120	91.81
			110	99	2	22750	90.00
				105	9	128580	95.47
	3002	SUPERIOR OFFSET	110	113	1	15060	102.72
				113	1	15060	102.72
	3835	WHITE BOOK LITE	121	105	2	59290	86.77
				105	2	59290	86.77
	7101	K WHITE OFFSET	110	105	3	88080	95.45
				105	3	88080	95.45

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04.1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUANTITY	EFFICIENCY
	7102	K WHITE OFFSET	110	112	1	22350	101.81
			110	105	7	149550	95.45
			110	102	4	47070	92.72
				105	12	218970	95.51
	7200	RAVENSWOOD OPAQUE	110	116	3	43030	105.45
				116	3	43030	105.45
	7202	RAVENSWOOD OPAQUE	110	108	2	12340	98.18
			110	105	1	31650	95.45
				106	3	43990	96.22
	7204	RAVENSWOOD OPAQUE	110	112	1	12000	101.81
				112	1	12000	101.81
				111	144	2471380	98.91

SR 065498

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 04,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	102	109	1	31420	106.86
			102	105	1	15990	102.94
				108	2	47410	105.54
	874	TYPE 904-H	102	81	2	12480	79.41
				81	2	12480	79.41
	876	MASTERBASE TYPE IV DT	102	117	1	18060	114.70
			102	116	2	30780	113.72
			102	112	1	6360	109.80
			102	110	4	51360	107.84
			102	107	14	394230	104.90
			102	104	1	6420	101.96
				108	23	507210	106.11
	879	MASTERBASE TYPE PF9000	102	104	2	28610	101.96
				104	2	28610	101.96
				107	29	595710	105.30

SA 065499

MARCH, 1983

5	1085470 +	543 TONS
6	4521400 +	2261
7	2385290 +	1193
8	3089250 +	1545
9	3352480 + 92880	1723
17	1049980 + 72315	561
5	714.5 +	714.5
6	740.3 +	740.3
7	746.7 +	746.7
8	752.6 +	752.6
9	784.3 + 380	762.3
17	207.6 + 42.0	249.6

PROGRAM: N4PS7010 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 04/08/83 DAILY PRODUCTION SYSTEM
RUN TIME: 093957 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
5	20.00	2000	BRITE LITE THIN	65.1	61.4	102.89	120690	107130	38180	68950	57.13
5	22.00	2001	BRITE LITE THIN	10.9	9.6	96.88	16955	13490	1190	12300	72.54
5	25.00	2200	IMPERIAL BIBLE	28.5	27.3	104.50	64818	43490		43490	67.10
5	60.00	2220	NATO TEXT 80 BIBLE	352.0	331.4	102.71	542021	486300	22620	463680	85.55
5	22.00	2223	NATO TEXT BIBLE 80								
5	33.00	2400	SHAKESPEARE THIN	9.1	8.7	104.30	25578	23120		23120	90.39
5	36.00	2407	SHAKESPEARE THIN	3.7	3.0	88.45	9813	7270		7270	74.09
5	40.00	2535	MANUAL OFFSET	9.5	8.0	91.87	25536	23330		23330	91.36
5	21.00	2541	A P LIGHTWEIGHT TY Q	76.0	71.3	102.34	137749	137480		137480	99.80
5	21.50	6400	CIGARETTE TIPPING -	204.3	193.8	103.48	287144	243860	3400	240460	83.74
	21.50		MACH TOTAL 1.09091	759.1	714.5	102.68	1230304	1085470	65390	1020080	82.91
6	30.00	1100	E. B. NEW SHADE	26.5	24.9	102.50	109270	109360	28660	80700	73.85
6	35.00	1205	A. M. PRIDE	7.7	7.5	106.26	38850	43800		43800	112.74
6	40.00	1206	SPEC A.M. PRIDE	62.3	57.5	100.69	336684	323490	27270	296220	87.98
6	45.00	1207	A.M. PRIDE	11.5	7.6	72.09	47824	55360	2320	53040	110.91
6	50.00	1208	A M PRIDE	54.1	51.4	103.65	347509	372410	970	371440	106.89
6	60.00	1210	GENERIC OFFSET	13.0	12.4	104.06	91006	94620		94620	103.97
6	30.00	1800	PRIDE OPAQUE	47.4	45.4	104.49	203561	192590		192590	94.61
6	40.00	1820	BW PRIDE OPAQUE	1.6	1.4	95.45	8075	10620		10620	131.52
6	30.00	1840	SPEC ALLIED PRIDE								
6	30.00	2202	IMPERIAL BIBLE								
6	50.00	2507	SOLITUDE OPAQUE								
6	40.00	2513	IBM SUPERIOR OFFSET	18.4	15.1	89.53	88247	80740		80740	91.49
6	35.00	2520	SPECIAL SOLITUDE OPA								
6	40.00	2535	MANUAL OFFSET	154.5	142.5	100.62	833899	860260	2300	857960	102.89
6	30.00	2538	I B M MANUAL	7.5	6.8	98.91	47020	45760		45760	97.30
6	35.00	2545	A.P. LIGHTWEIGHT	38.5	34.8	98.61	182837	178710		178710	97.74
6	45.00	3001	SUPERIOR OFFSET	13.3	8.1	66.44	48754	38160		38160	78.27
6	50.00	3002	SUPERIOR OFFSET	15.1	14.4	104.03	94609	103700		103700	109.61
6	30.00	3040	SPECIAL SUPERIOR 800	3.7	2.9	85.50	15388	11020		11020	71.61
6	40.00	7100	K WHITE OFFSET	46.7	39.5	92.27	228441	231480	6760	224720	98.37
6	45.00	7101	K WHITE OFFSET	118.8	103.4	94.95	657737	665280	21820	643460	97.83
6	50.00	7102	K WHITE OFFSET	67.0	61.3	99.81	416425	425530		425530	102.19
6	50.00	7103	K WHITE OFFSET	2.5	2.4	104.73	17222	21360		21360	124.03
6	60.00	7104	K WHITE OFFSET	17.4	14.7	92.16	107738	112000	2810	109190	101.35
6	70.00	7105	K WHITE OFFSET	12.1	10.7	96.47	71004	63930		63930	90.04
6	50.00	7122	BW K OFFSET - ANTIQU	4.1	3.8	101.11	25588	27030		27030	105.64
6	55.00	7123	BW K OFFSET - ANTIQU	2.6	2.6	97.84	18928	21330		21330	112.69
6	60.00	7124	BW K OFFSET - ANTIQU	2.9	2.7	101.57	19806	20960		20960	105.83
6	40.00	7200	RAVENSWOOD OPAQUE	55.3	51.8	102.19	306352	325360		325360	106.20
6	50.00	7202	RAVENSWOOD OPAQUE	3.3	3.1	102.48	21378	23940		23940	111.98
6	35.00	7209	T L LIGHTWEIGHT	12.1	11.6	104.58	60088	62600		62600	104.18
	43.63		MACH TOTAL 1.09091	820.2	740.3	98.46	4444248	4521400	92910	4428490	99.65

SD 355501

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
	39.35		MILL C TOTAL	1579.3	1454.8	100.49	5674552	5606870	158300	5448570	96.02
7	30.00	1100	E. B. NEW SHADE						15810	15810-	
7	30.00	1201	A.M. PRIDE	1.5	1.5	109.09	5771	4750		4750	82.31
7	30.00	1202	A. M. PRIDE	11.0	10.7	106.12	50126	47770		47770	95.30
7	40.00	1910	B.W. OFFSET MF STD	1.4	1.2	93.51	6096	8360		8360	137.14
7	30.00	1800	PRIDE OPAQUE	28.7	27.2	103.39	112551	94290	7880	86410	76.77
7	35.00	1803	ALLIED PRIDE	11.2	10.4	101.30	46325	45580		45580	98.39
7	22.00	2001	BRITE LITE THIN	35.4	30.1	92.76	74502	41890		41890	56.23
7	27.00	2217	EXTRA WHITE IMPERIAL	55.9	53.2	103.82	131668	118110		118110	89.70
7	27.00	2223	NATO TEXT BIBLE 80								
7	30.00	2406	SHAKESPEARE THIN	10.3	10.2	109.09	41269	41300	830	40470	98.06
7	22.00	2500	SOLITUDE OPAQUE	11.0	11.0	101.70	28827	10240		10240	35.52
7	30.00	2503	SOLITUDE OPAQUE	212.7	194.7	100.37	778380	651180	28220	602960	77.46
7	30.00	2504	SOLITUDE OPAQUE	18.7	12.2	71.17	55775	45300	5260	40040	71.79
7	40.00	2520	A H DICTIONARY	55.7	51.1	100.08	183017	141980	2180	139800	76.39
7	20.00	2540	A P LIGHT WEIGHT	93.3	89.0	104.06	204662	213210	3990	209220	102.23
7	22.00	2542	A P LIGHT WEIGHT	134.0	125.7	102.33	339172	322140	6510	315630	93.06
7	30.00	2543	A.P. LIGHTWEIGHT	18.2	16.6	99.50	70117	61190		61190	87.27
7	40.00	2960	GPO LOT 16 OFFSET	9.8	9.5	105.78	44868	49030		49030	109.28
7	50.00	2961	BW Q OFFSET	17.3	17.0	107.20	93384	99140	7360	91780	98.28
7	30.00	3030	WHITE BOOKLITE	13.9	13.0	102.03	46714	42680		42680	91.36
7	40.00	7100	K WHITE OFFSET	38.1	36.9	105.66	191074	211750		211750	110.82
7	38.00	7102	K WHITE OFFSET	4.3	4.1	104.02	22386	24640		24640	110.07
7	55.00	7103	K WHITE OFFSET	3.6	3.4	103.03	19714	21240		21240	107.74
7	60.00	7104	K WHITE OFFSET	1.4	1.2	93.51	6989	8050		8050	115.18
7	50.00	7122	BW K OFFSET - ANTIQU	10.7	10.0	101.95	55895	63140		63140	112.96
7	60.00	7124	BW K OFFSET - ANTIQU	6.0	5.7	103.64	36124	38330		38330	106.11
	31.06		MACH TOTAL 1.09091	804.9	746.7	101.20	2645406	2385290	1193 78040	2307250	87.22
8	33.00	1202	SPECIAL AM PRIDE	80.1	75.4	102.69	286811	303380	26960	276420	96.38
8	80.00	1906	TENNYSON OFFSET	4.4	3.3	81.82	15810	15480		15480	97.91
8	30.00	2102	BRITISH OPAQUE	57.0	48.7	93.21	169519	174910	4600	170310	100.47
8	28.00	2201	IMPERIAL BIBLE								
8	40.00	2220	DICTIONARY TEXT	9.8	7.9	87.94	26164	22180	8680	13500	51.60
8	35.00	2401	SHAKESPEARE THIN								
8	30.00	2503	SOLITUDE OPAQUE	7.5	6.6	96.00	23173	17460	810	16650	71.85
8	30.00	2504	SOLITUDE OPAQUE								
8	40.00	2520	A H DICTIONARY	357.8	339.2	103.42	1084338	1121980	29550	1092430	100.75
8	40.00	2585	MANUAL OFFSET	10.4	10.4	109.09	44335	44510		44510	100.39
8	30.00	2543	A.P. LIGHTWEIGHT	1.7	1.4	89.84	5174	3600		3600	69.58
8	50.00	2902	DICKENS OFFSET	8.9	7.5	91.93	46645	48080		48080	103.08
8	56.00	2903	DICKENS OFFSET	10.7	9.6	97.88	50801	52320		52320	102.99
8	50.00	2961	BW Q OFFSET	14.8	14.8	109.09	82249	47140		47140	57.31
8	40.00	7100	K WHITE OFFSET	4.5	4.0	96.97	16402	18040		18040	114.86
8	50.00	7102	K WHITE OFFSET	84.8	80.1	103.04	443074	412580		412580	93.12
8	58.00	7103	K WHITE OFFSET	65.0	63.2	106.07	333632	355640		355640	106.60

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MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC	
8	60.00	7104	K WHITE OFFSET	45.2	38.1	91.96	204905	214910		214910	104.88	
8	70.00	7105	K WHITE OFFSET	3.6	3.3	100.00	18258	20090		20090	110.03	
8	60.00	7107	K WHITE OFFSET	10.5	10.0	103.90	47458	52530		52530	110.69	
8	45.00	7121	B.W. K OFFSET - ANTI									
8	40.00	7200	RAVENSWOOD OPAQUE	17.0	16.4	105.24	75238	80460		80460	106.94	
8	50.00	7202	RAVENSWOOD OPAQUE	15.3	14.7	104.81	80146	83160	4	83160	103.76	
	40.59		MACH TOTAL 1.09091	809.0	754.6	101.76	3054132	3089250	70600	3018650	98.84	
9	38.00	203	LAUREL TEXT - RS	10.9	9.4	94.08	39185	36590		36590	93.38	
9	68.00	207	LAUREL TEXT R.S.	1.7	1.7	109.09	8078	9430		9430	116.74	
9	35.00	269	ALLIED MATTE BASE	61.5	58.7	104.12	216244	242170	1660	240510	111.22	
9	69.00	273	TYPE IV E OT BLADE B	11.8	11.5	106.32	53795	67100		67100	124.73	
9	60.00	276	TYPE IV E OT BLADE B	115.2	108.1	102.37	503455	571580	7650	563930	112.01	
9	46.00	1000	Q.P. OFFSET	9.9	8.2	90.36	39822	45570		45570	114.43	
9	30.00	1203	A.M. PRIDE	20.2	18.6	100.45	65589	66580		66580	101.51	MI
9	40.00	1206	SPEC A.M. PRIDE	12.8	11.8	100.57	49024	47220	2840	44380	90.53	
9	45.00	1207	A.M. PRIDE	3.2	3.0	102.27	13419	15210		15210	113.35	
9	50.00	1208	A M PRIDE	12.3	11.5	102.00	53012	53980		53980	101.83	
9	30.00	1800	PRIDE OPAQUE	23.6	21.5	99.38	72012	77990		77990	108.30	
9	35.00	1805	ALLIED PRIDE	26.8	23.1	94.03	86346	84810		84810	98.22	
9	40.00	1810	BW PRIDE OPAQUE									
9	26.00	2109	B.W. BIBLE	31.7	25.0	86.03	73599	82870		82870	112.60	
9	30.00	2202	IMPERIAL BIBLE	17.7	16.3	100.46	54196	53740	3850	49890	92.05	
9	35.00	2204	IMPERIAL BIBLE	3.1	2.8	98.53	9569	11130		11130	116.31	
9	32.00	2254	EX. WHITE IMPERIAL B	5.3	4.7	96.74	14466	14720		14720	101.76	
9	33.00	2400	SHAKESPEARE THIN	3.4	1.8	48.13	5260					
9	35.00	2407	SHAKESPEARE THIN	7.2	6.3	95.45	24317	29330		29330	120.62	
9	48.00	2460	SHAKESPEARE THIN	16.6	15.8	103.03	67592	75040		75040	111.02	
9	38.00	2504	SOLITUDE OPAQUE	4.9	3.8	84.60	15151	17360		17360	114.58	
9	40.00	2505	SOLITUDE OPAQUE	9.5	9.4	107.94	38516	40320		40320	104.68	
9	40.00	2513	IAM SUPERIOR OFFSET	8.7	8.4	105.33	34750	38580		38580	111.02	
9	35.00	2514	INTERNATIONAL HARVES	7.1	6.9	106.02	25791	29530	2820	26710	103.56	
9	40.00	2535	MANUAL OFFSET	28.3	27.4	105.62	114857	123190		123190	107.26	
9	35.00	2545	A.P. LIGHTWEIGHT	11.5	10.7	101.50	40758	41550	1380	40170	98.56	
9	60.00	2902	GPO LOT 21	34.7	32.1	100.92	153255	184220	4160	180060	117.49	
9	40.00	3000	SUPERIOR OFFSET	5.8	5.3	99.69	22970	25010		25010	108.88	
9	30.00	3830	WHITE BOOKLITE	12.6	11.6	100.43	38526	39550		39550	102.66	
9	40.00	7000	CALENDAR PAD OFFSET	9.8	9.5	106.75	39300	45930		45930	116.87	
9	40.00	7100	K WHITE OFFSET	42.1	39.3	101.84	166243	191410	1020	190390	114.53	
9	45.00	7101	K WHITE OFFSET	16.0	15.4	105.00	69947	82650		82650	118.16	
9	50.00	7102	K WHITE OFFSET	76.3	71.2	101.80	340473	379110	470	378640	111.21	
9	60.00	7104	K WHITE OFFSET	20.5	19.3	102.71	97040	117800	660	117140	120.71	
9	40.00	7200	RAVENSWOOD OPAQUE	39.8	37.1	101.69	152985	174410		174410	114.00	
9	48.00	7201	RAVENSWOOD OPAQUE	11.7	11.5	107.23	51438	61200		61200	118.98	
9	50.00	7202	RAVENSWOOD OPAQUE	12.4	11.8	103.81	54940	63730		63730	116.00	
9	60.00	7204	RAVENSWOOD OPAQUE	4.3	4.1	104.02	20060	24040		24040	119.84	
9	35.00	7209	T L LIGHTWEIGHT	32.6	30.0	100.39	112138	87830	1280	86550	77.18	MI

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PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC
	45.88		MACH TOTAL 1.09091	783.5	724.3	100.85	3038118	3352480	27790	3324690	109.43
	40.02		MILL D TOTAL	2397.4	2225.6	101.27	8737656	8827020	176430	8650590	99.00
	39.76		BOOK MILL TOTAL	3976.7	3680.4	100.96	14412208	14433890	334730	14099160	97.83
17	50.00	803	LAUREL TEXT	4.9	4.3	96.83	36932	41460		41460	112.26
17	80.00	807	LAUREL TEXT	.9	.9	110.35	10670	9750		9750	91.38
17	99.99	809	LAUREL TEXT								
17	50.00	859	ALLIED MATTE	43.5	36.6	92.84	273961	286730	2470	284260	103.76
17	92.00	873	MASTERBASE TYPE IV D	16.9	16.5	107.73	66666	75260		75260	112.89
17	87.50	876*	MASTERBASE TYPE IV D	154.6	149.3	106.56	572820	636780	6870	629910	109.97
17	40.00	880	CAMELIA MATTE BASE P								
	58.36		BLADE SUBTOTAL	66.2	58.3	97.18	388229	413200	2470	410730	105.80
	87.50		*BLADE SUBTOTAL	154.6	149.3	106.56	572820	636780	6870	629910	109.97
	76.03		BLADE COATER 1.10345	220.8	207.6	103.75	961049	1049980	9340	1040640	108.28
	40.28		GRAND SUBTOTAL	4042.9	3738.7	100.90	14800437	14847090	337200	14509890	98.04
	87.50		*GRAND SUBTOTAL	154.6	149.3	106.56	572820	636780	6870	629910	109.97
	42.22		GRAND TOTAL	4197.5	3888.0	101.11	15373257	15483870	344070	15139800	98.48

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Production 3/83.

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 04/06/83 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	2000	BRITE LITE THIN	620		1		
			620	600	1	14180	96.77
			620	650	7	84280	104.83
			620	660	1	5470	106.45
			620	670	1	3200	108.06
				644	11	107130	103.94
	2001	BRITE LITE THIN	620	600	1	3920	96.77
			620	630	1	2580	101.61
			620	650	2	6990	104.83
				632	4	13490	101.87
	2200	IMPERIAL BIBLE	600		1		
			600	580	4	43490	96.66
				580	5	43490	96.66
	2222	NATO TEXT 80 BIBLE	620	570	1	2800	91.93
			620	620	3	34890	100.00
			620	640	8	82310	103.22
			620	645	1	12600	104.03
			620	650	15	128600	104.83
			620	660	19	214370	106.45
			620	670	1	10730	108.06
				650	48	486300	104.90
	2406	SHAKESPEARE THIN	600	530	2	23120	88.33
				530	2	23120	88.33
	2407	SHAKESPEARE THIN	570	570	1	7270	100.00
				570	1	7270	100.00
	2535	MANUAL OFFSET	540	500	2	23330	92.59
				500	2	23330	92.59
	2541	A P LIGHTWEIGHT TY QPA	620	650	1	15670	104.83
			620	660	4	58200	106.45
			620	670	5	63610	108.06
				663	10	137480	107.01
	6400	CIGARETTE TIPPING - CORK	500	460	1	8140	92.00
			500	465	2	14350	93.00
			500	470	10	88150	94.00
			500	485	1	9730	97.00
			500	490	15	104150	98.00
			500	530	2	15340	106.00
				482	31	243860	96.44
				604	114	1085470	102.15

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1100	E. B. NEW SHADE	750	760	4	109360	101.33
				760	4	109360	101.33
	1205	A. M. PRIDE	750	780	2	43800	104.00
				780	2	43800	104.00
	1206	SPEC A.M. PRIDE	740	760	4	122560	102.70
			740	780	10	200930	105.40
				772	14	323490	104.39
	1207	A.M. PRIDE	720	760	2	55360	105.55
				760	2	55360	105.55
	120A	A M PRIDE	700		1		
			700	720	4	97200	102.85
			700	740	8	256580	105.71
			700	750	1	18630	107.14
				735	14	372410	105.04
	1210	GENERIC OFFSET	620	670	5	94620	108.06
				670	5	94620	108.06
	1800	PRIDE OPAQUE	750	780	7	192590	104.00
				780	7	192590	104.00
	1H10	BW PRIDE OPAQUE	740	780	1	10620	105.40
				780	1	10620	105.40
	2513	IBM SUPERIOR OFFSET	740	770	1	2680	104.05
			740	780	4	78060	105.40
				780	5	80740	105.36
	2535	MANUAL OFFSET	740	780	30	860260	105.40
				780	30	860260	105.40
	2536	I B M MANUAL	700		1		
			700	750	1	45760	107.14
				750	2	45760	107.14
	2545	A.P. LIGHTWEIGHT	750	780	7	178710	104.00
				780	7	178710	104.00
	3001	SUPERIOR OFFSET	720		1		
			720	760	2	38160	105.55
			720	770	1		106.94
				760	4	38160	105.55
	3002	SUPERIOR OFFSET	700	740	3	103700	105.71
				740	3	103700	105.71

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	3040	SPECIAL SUPERIOR BOOK	750	780	1	11020	104.00
				780	1	11020	104.00
	7100	K WHITE OFFSET	740	770	1	21720	104.05
			740	780	11	209760	105.40
				779	12	231480	105.27
	7101	K WHITE OFFSET	720	720	1	5680	100.00
			720	770	18	589670	106.94
			720	780	4	69930	108.33
				771	23	665280	107.03
	7102	K WHITE OFFSET	700		1		
			700	720	6	113920	102.85
			700	750	11	311610	107.14
				742	18	425530	105.99
	7103	K WHITE OFFSET	670	750	1	21360	111.94
				750	1	21360	111.94
	7104	K WHITE OFFSET	620		1		
			620	650	3	49540	104.83
			620	700	2	62460	112.90
				678	6	112000	109.33
	7105	K WHITE OFFSET	480	500	3	63930	104.16
				500	3	63930	104.16
	7122	BW K OFFSET - ANTIQUE	700	750	3	27030	107.14
				750	3	27030	107.14
	7123	BW K OFFSET - ANTIQUE	670	720	1	21330	107.46
				720	1	21330	107.46
	7124	BW K OFFSET - ANTIQUE	620	650	2	20960	104.83
				650	2	20960	104.83
	7200	RAVENSWOOD OPAQUE	740	750	3	120310	101.35
			740	780	8	205050	105.40
				769	11	325360	103.90
	7202	RAVENSWOOD OPAQUE	700	740	3	23940	105.71
				740	3	23940	105.71
	7209	T L LIGHTWEIGHT	750	780	3	62600	104.00
				780	3	62600	104.00
				758	147	4521400	105.44

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1203	A.M. PRIDE	750	730	1	4750	97.33
				730	1	4750	97.33
	1205	A. M. PRIDE	740	720	1	9530	97.29
			740	730	1	38240	98.64
				728	2	47770	98.37
	1510	H.W. OFFSET MF STD	630	700	1	8360	111.11
				700	1	8360	111.11
	1800	PRIDE OPAQUE	750	730	4	94290	97.33
				730	4	94290	97.33
	1803	ALLIED PRIDE	750	750	1	23090	100.00
			750	760	1	17820	101.33
			750	770	1	4670	102.66
				756	3	45580	100.79
	2001	BRITE LITE THIN	670	750	5	41890	111.94
				750	5	41890	111.94
	2217	EXTRA WHITE IMPERIAL BIBLE	670	750	8	118110	111.94
				750	8	118110	111.94
	2405	SHAKESPEARE THIN	750	780	3	41300	104.00
				780	3	41300	104.00
	2500	SOLITUDE OPAQUE	670	740	1	5330	110.44
			670	750	1	4910	111.94
			670	780	1		116.41
				745	3	10240	111.16
	2503	SOLITUDE OPAQUE	750		3	30150	
			750	720	2	31500	96.00
			750	730	4	90980	97.33
			750	750	9	179900	100.00
			750	760	7	164740	101.33
			750	770	7	133910	102.66
				717	32	631180	95.55
	2504	SOLITUDE OPAQUE	740		1		
			740	740	2	27310	100.00
			740	750	3	17990	101.35
				744	6	45300	100.54
	2528	A H DICTIONARY	750	730	1	26780	97.33
			750	780	6	115200	104.00
				771	7	141980	102.74

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2540	A P LIGHT WEIGHT	670	750	14	213210	111.94
				750	14	213210	111.94
	2542	A P LIGHT WEIGHT	670	750	22	322140	111.94
				750	22	322140	111.94
	2543	A.P. LIGHTWEIGHT	750	730	3	53320	97.33
			750	750	1	7870	100.00
				733	4	61190	97.67
	2960	GPO LOT 16 OFFSET	680	710	3	49030	104.41
				710	3	49030	104.41
	2961	BW @ OFFSET	580	620	3	59220	106.89
			580	670	4	39920	115.51
				640	7	99140	110.36
	3830	WHITE BOOKLITE	750	780	2	42680	104.00
				780	2	42680	104.00
	7100	K WHITE OFFSET	680	680	4	73590	100.00
			680	700	1	46160	102.94
			680	720	1	47600	105.88
			680	740	2	44400	108.82
				706	8	211750	103.81
	7102	K WHITE OFFSET	580	590	2	24640	101.72
				590	2	24640	101.72
	7103	K WHITE OFFSET	580	600	2	21240	103.44
				600	2	21240	103.44
	7104	K WHITE OFFSET	550	580	2	8050	105.45
				580	2	8050	105.45
	7122	BW K OFFSET - ANTIQUE	580	590	2	56930	101.72
			580	620	1	6210	106.89
				593	3	63140	102.23
	7124	BW K OFFSET - ANTIQUE	550	580	1	38330	105.45
				580	1	38330	105.45
				722	145	2385290	103.59

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1202	SPECIAL AM PRIDE	730		1		
			730	770	11	281580	105.47
			730	780	2	21800	106.84
				771	14	303380	105.57
	1906	TENNYSON OFFSET	400	410	2	15480	102.50
				410	2	15480	102.50
	2102	BRITISH OPAQUE	730		1		
			730	760	2	42400	104.10
			730	780	7	132510	106.84
				775	10	174910	106.18
	2328	DICTIONARY TEXT	730	760	2	22180	104.10
				760	2	22180	104.10
	2503	SOLITUDE OPAQUE	730	780	2	17460	106.84
				780	2	17460	106.84
	2528	A H DICTIONARY	730	760	32	741940	104.10
			730	780	16	380040	106.84
				767	48	1121980	105.03
	2535	MANUAL OFFSET	720	770	2	44510	106.94
				770	2	44510	106.94
	2543	A.P. LIGHTWEIGHT	730	780	1	3600	106.84
				780	1	3600	106.84
	2902	DICKENS OFFSET	730	730	1	42420	100.00
			730	750	1	5660	102.73
				732	2	48080	100.32
	2903	DICKENS OFFSET	650	680	4	52320	104.61
				680	4	52320	104.61
	2961	BW 0 OFFSET	730	650	2	39240	89.04
			730	680	1	5900	93.15
			730	760	1	2000	104.10
				658	4	47140	90.19
	7100	K WHITE OFFSET	720	750	1	18840	104.16
				750	1	18840	104.16
	7102	K WHITE OFFSET	730	650	1	15040	89.04
			730	670	1	33980	91.78
			730	700	1	17630	95.89
			730	710	2	37610	97.26
			730	720	7	152460	98.63

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			730	730	8	113600	100.00
			730	750	2	42260	102.73
				717	22	412580	98.27
	7103	K WHITE OFFSET	650	620	2	16680	95.38
			650	670	14	338960	103.07
				668	16	355640	102.71
	7104	K WHITE OFFSET	590	580	1	24180	98.30
			590	600	2	19720	101.69
			590	620	11	171010	105.08
				614	14	214910	104.01
	7105	K WHITE OFFSET	500	530	2	20090	106.00
				530	2	20090	106.00
	7107	K WHITE OFFSET	400	400	2	40470	100.00
			400	420	1	12060	105.00
				405	3	52530	101.15
	7200	RAVENSWOOD OPAQUE	720	760	1	11750	105.55
			720	780	2	68710	108.33
				777	3	80460	107.92
	7202	RAVENSWOOD OPAQUE	730	730	2	37680	100.00
			730	750	2	45480	102.73
				741	4	83160	101.49
				725	156	3089250	103.53

SA 865511

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	720		1		
			720	760	2	36590	105.55
				760	3	36590	105.55
	207	LAUREL TEXT R.S.	450	500	1	9430	111.11
				500	1	9430	111.11
	259	ALLIED MATTE BASE	720	750	4	68310	104.16
			720	760	5	134310	105.55
			720	780	2	39550	108.33
				760	11	242170	105.61
	273	TYPE IV E DT BLADE BASE	430	500	3	67100	116.27
				500	3	67100	116.27
	276	TYPE IV E DT BLADE BASE	500		1		
			500	530	1	7720	106.00
			500	540	3	85080	108.00
			500	550	8	261670	110.00
			500	560	4	81820	112.00
			500	570	4	135290	114.00
				554	21	571580	110.88
	1000	O.P. OFFSET	670	720	1	38920	107.46
			670	760	1	6650	113.43
				726	2	45570	108.33
	1203	A.M. PRIDE	720	780	5	66580	108.33
				780	5	66580	108.33
	1206	SPEC A.M. PRIDE	700	740	2	25110	105.71
			700	760	2	22110	108.57
				749	4	47220	107.05
	1207	A.M. PRIDE	670	700	2	15210	104.47
				700	2	15210	104.47
	1208	A M PRIDE	630	680	2	23270	107.93
			630	700	1	4670	111.11
			630	730	1	26040	115.87
				706	4	53980	112.04
	1800	PRIDE OPAQUE	720	770	3	36990	106.94
			720	780	2	41000	108.33
				775	5	77990	107.67
	1805	ALLIED PRIDE	720	760	5	84810	105.55
				760	5	84810	105.55

SA 065512

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2109	B.W. BIBLE	700	750	2	19950	107.14
			700	760	3	62920	108.57
				758	5	82870	108.23
	2202	IMPERIAL BIBLE	720	770	4	53740	106.94
				770	4	53740	106.94
	2204	IMPERIAL BIBLE	720	780	1	11130	108.33
				780	1	11130	108.33
	2254	EX. WHITE IMPERIAL BIBLE	720	760	1	14720	105.55
				760	1	14720	105.55
	2406	SHAKESPEARE THIN	720	770	1		106.94
					1		
	2407	SHAKESPEARE THIN	720	770	2	29330	106.94
				770	2	29330	106.94
	2440	SHAKESPEARE THIN	710	740	1	12520	104.22
			710	760	3	62520	107.04
				757	4	75040	106.57
	2504	SOLITUDE OPAQUE	720	760	2	17360	105.55
				760	2	17360	105.55
	2505	SOLITUDE OPAQUE	700	740	2	40320	105.71
				740	2	40320	105.71
	2513	IBM SUPERIOR OFFSET	700	760	2	38580	108.57
				760	2	38580	108.57
	2514	INTERNATIONAL HARVESTER OPAQUE	720	760	3	29530	105.55
				760	3	29530	105.55
	2535	MANUAL OFFSET	700	725	3	82720	103.57
			700	760	2	40470	108.57
				736	5	123190	105.21
	2545	A.P. LIGHTWEIGHT	720	750	2	41550	104.16
				750	2	41550	104.16
	2962	GPO LOT 21	530	590	4	92970	111.32
			530	650	3	22620	122.64
			830	660	4	68630	124.52
				623	11	184220	117.63
	3000	SUPERIOR OFFSET	700	760	2	25010	108.57
				760	2	25010	108.57

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	3830	WHITE BOOKLITE	720	770	3	20790	106.94
			720	780	3	18760	108.33
				775	6	39550	107.60
	7000	CALENDAR PAD OFFSET	700	760	3	45930	108.57
				760	3	45930	108.57
	7100	K WHITE OFFSET	700	740	5	63710	105.71
			700	750	3	91300	107.14
			700	760	3	36400	108.57
				749	11	191410	106.94
	7101	K WHITE OFFSET	670	740	4	74330	110.44
			670	760	1	8320	113.43
				742	5	82650	110.74
	7102	K WHITE OFFSET	630	610	2	17830	96.82
			630	625	2	26270	99.20
			630	630	3	35140	100.00
			630	650	1	11840	103.17
			630	670	5	83860	106.34
			630	700	3	43840	111.11
			630	710	7	127180	112.69
			630	720	1	8520	114.28
			630	730	2	9750	115.87
			630	740	1	3000	117.46
			630	760	2	11880	120.63
				683	29	379110	108.35
	7104	K WHITE OFFSET	550	590	2	12260	107.27
			550	610	6	81950	110.90
			550	630	2	23590	114.54
				612	10	117800	111.25
	7200	RAVENSWOOD OPAQUE	700	740	2	47100	105.71
			700	750	3	73260	107.14
			700	760	3	54050	108.57
				750	8	174410	107.20
	7201	RAVENSWOOD OPAQUE	670	750	3	61200	111.94
				750	3	61200	111.94
	7202	RAVENSWOOD OPAQUE	630	710	2	44410	112.69
			630	730	2	19320	115.87
				716	4	63730	113.65
	7204	RAVENSWOOD OPAQUE	550	610	3	24040	110.90
				610	3	24040	110.90

SR 86514

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7209	T L LIGHTWEIGHT	720	750	1	12330	104.16
			720	770	4	75500	106.94
				767	5	87830	106.55
				692	200	3352480	104.99

SH 065515

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TFXT	1300		2	41460	
					2	41460	
	807	LAUREL TEXT	1100		1	9750	
					1	9750	
	859	ALLIED MATTE	1175		8	286730	
					8	286730	
	873	MASTERBASE TYPE IV DTHW	320		4	75260	
					4	75260	
	876	MASTERBASE TYPE IV DT	320		23	636780	
					23	636780	
					38	1049980	

SA 865516

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 04/06/83 DAILY PRODUCTION SYSTEM

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	2000	BRITE LITE THIN	110	114	9	87480	103.63
			110	108	2	19650	98.18
				113	11	107130	102.63
	2001	BRITE LITE THIN	110	92	4	13490	83.63
				92	4	13490	83.63
	2200	IMPERIAL BIBLE	110	112	5	43490	101.81
				112	5	43490	101.81
	2222	NATO TEXT 80 BIBLE	102	116	12	119240	113.72
			102	87	36	367060	85.29
				94	48	486300	92.26
	2406	SHAKESPEARE THIN	110	105	2	23120	95.45
				105	2	23120	95.45
	2407	SHAKESPEARE THIN	110	116	1	7270	105.45
				116	1	7270	105.45
	2535	MANUAL OFFSET	110	105	2	23330	95.45
				105	2	23330	95.45
	2541	A P LIGHTWEIGHT TY QPA	116	105	10	137480	90.51
				105	10	137480	90.51
	6400	CIGARETTE TIPPING - CORK	114	101	8	66180	88.59
			114	100	2	15220	87.71
			114	97	16	125210	85.08
			114	92	5	37250	80.70
				98	31	243860	85.93
				99	114	1085470	92.05

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1100	E. B. NEW SHADE	138	138	4	109360	100.00
				138	4	109360	100.00
	1205	A. M. PRIDE	145	140	2	43800	96.55
				140	2	43800	96.55
	1206	SPEC A.M. PRIDE	142	142	4	122720	100.00
			142	140	2	23960	98.59
			142	139	8	176810	97.88
				140	14	323490	98.74
	1207	A.M. PRIDE	142	138	2	55360	97.18
				138	2	55360	97.18
	1208	A M PRIDE	148	147	1	53510	99.32
			148	142	2	43520	95.94
			148	140	1	23640	94.59
			148	136	5	160390	91.89
			148	132	2	30760	89.18
			148	131	2	20050	88.51
			148	128	1	40540	86.48
				137	14	372410	92.61
	1210	GENERIC OFFSET	142	142	1	22760	100.00
			142	140	3	59060	98.59
			142	134	1	12800	94.36
				140	5	94620	98.36
	1800	PRIDE OPAQUE	140	141	7	192590	100.71
				141	7	192590	100.71
	1810	BW PRIDE OPAQUE	147	138	1	10620	93.87
				138	1	10620	93.87
	2513	IBM SUPERIOR OFFSET	140	140	4	76140	100.00
			140	136	1	4600	97.14
				140	5	80740	99.84
	2535	MANUAL OFFSET	140	140	30	860260	100.00
				140	30	860260	100.00
	2536	I B M MANUAL	142	140	2	45760	98.59
				140	2	45760	98.59
	2545	A.P. LIGHTWEIGHT	140	142	7	178710	101.42
				142	7	178710	101.42
	3001	SUPERIOR OFFSET	142	132	4	38160	92.95
				132	4	38160	92.95

SH 065518

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	3002	SUPERIOR OFFSET	142	133	3	103700	93.66
				133	3	103700	93.66
	3040	SPECIAL SUPERIOR BOOK	148	132	1	11020	89.18
				132	1	11020	89.18
	7100	K WHITE OFFSET	142	146	4	70810	102.81
			142	143	2	37400	100.70
			142	140	1	21720	98.59
			142	138	2	31440	97.18
			142	128	3	70110	90.14
				138	12	231480	97.47
	7101	K WHITE OFFSET	142	175	1	12840	123.23
			142	144	1	18020	101.40
			142	140	2	19160	98.59
			142	139	12	451600	97.88
			142	138	6	157980	97.18
			142	135	1	5680	95.07
				140	23	665280	98.29
	7102	K WHITE OFFSET	142	140	14	360700	98.59
			142	134	2	34170	94.36
			142	124	1	20430	87.32
			142	122	1	10230	85.91
				138	18	425530	97.40
	7103	K WHITE OFFSET	142	138	1	21360	97.18
				138	1	21360	97.18
	7104	K WHITE OFFSET	142	140	5	97300	98.59
			142	139	1	14700	97.88
				140	6	112000	98.50
	7105	K WHITE OFFSET	146	140	3	63930	95.89
				140	3	63930	95.89
	7122	BW K OFFSET - ANTIQUE	142	140	1	8160	98.59
			142	135	2	18870	95.07
				137	3	27030	96.13
	7123	BW K OFFSET - ANTIQUE	142	140	1	21330	98.59
				140	1	21330	98.59
	7124	BW K OFFSET - ANTIQUE	142	140	2	20960	98.59
				140	2	20960	98.59
	7200	RAVENSWOOD OPAQUE	140	145	1	4250	103.57

SD 065519

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 4
RUN DATE: 04/06/83 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			140	142	6	242160	101.42
			140	141	1	5160	100.71
			140	140	1	41680	100.00
			140	139	2	32110	99.28
				141	11	325360	101.04
	7202	RAVENSWOOD OPAQUE	140	140	2	14680	100.00
			140	139	1	9260	99.28
				140	3	23940	99.72
	7209	T L LIGHTWEIGHT	140	140	3	62600	100.00
				140	3	62600	100.00
				139	187	4521400	98.33

SA 065520

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1203	A.M. PRIDE	128	121	1	4750	94.53
				121	1	4750	94.53
	1205	A. M. PRIDE	138	128	2	47770	92.75
				128	2	47770	92.75
	1510	H.W. OFFSET MF STD	132	127	1	8360	96.21
				127	1	8360	96.21
	1800	PRIDE OPAQUE	136	136	3	82690	100.00
			136	102	1	11600	75.00
				132	4	94290	96.92
	1803	ALLIED PRIDE	136	128	3	45580	94.11
				128	3	45580	94.11
	2001	BRITE LITE THIN	132	119	5	41890	90.15
				119	5	41890	90.15
	2217	EXTRA WHITE INPERIAL BIBLE	132	125	8	118110	94.69
				125	8	118110	94.69
	2405	SHAKESPEARE THIN	132	126	3	41300	95.45
				126	3	41300	95.45
	2500	SOLITUDE OPAQUE	133	126	3	10240	94.73
				126	3	10240	94.73
	2503	SOLITUDE OPAQUE	134	137	3	19800	102.23
			134	131	8	214710	97.76
			134	123	17	343200	91.79
			134	114	4	53470	85.07
				125	32	631180	93.58
	2504	SOLITUDE OPAQUE	134	129	2	13540	96.26
			134	123	4	31760	91.79
				125	6	45300	93.13
	2528	A H DICTIONARY	136	121	7	141980	88.97
				121	7	141980	88.97
	2540	A P LIGHT WEIGHT	132	124	10	175270	93.93
			132	123	1	5250	93.18
			132	114	3	32690	86.36
				122	14	213210	92.75
	2542	A P LIGHT WEIGHT	133	134	6	89520	100.75
			133	133	4	41680	100.00
			133	129	4	83120	96.99

SA 065521

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			133	128	6	90710	96.24
			133	111	2	17110	83.45
				130	22	322140	97.49
	2543	A.P.& LIGHTWEIGHT	138	135	3	53320	97.82
			138	120	1	7870	86.96
				133	4	61190	96.42
	2960	GPO LOT 16 OFFSET	134	123	3	49030	91.79
				123	3	49030	91.79
	2961	BW G OFFSET	136	138	2	13940	101.47
			136	136	2	62640	100.00
			136	133	1	9140	97.79
			136	132	1	4800	97.05
			136	125	1	8620	91.91
				135	7	99140	99.16
	3830	WHITE BOOKLITE	134	113	2	42680	84.32
				113	2	42680	84.32
	7100	K WHITE OFFSET	136	140	1	25480	102.94
			136	136	5	141870	100.00
			136	128	2	44400	94.11
				135	8	211750	99.12
	7102	K WHITE OFFSET	136	135	1	14700	99.26
			136	132	1	9940	97.05
				134	2	24640	98.37
	7103	K WHITE OFFSET	136	136	1	4680	100.00
			136	127	1	16560	93.38
				129	2	21240	94.84
	7104	K WHITE OFFSET	136	125	2	8050	91.91
				125	2	8050	91.91
	7122	BW K OFFSET - ANTIQUE	136	140	2	56930	102.94
			136	115	1	6210	84.55
				138	3	63140	101.13
	7124	BW K OFFSET - ANTIQUE	136	136	1	38330	100.00
				136	1	38330	100.00
				127	145	2385290	94.87

SA 065522

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1202	SPECIAL AM PRIDE	116	115	1		99.13
			116	112	12	299000	96.55
			116	105	1	4380	90.51
	--			112	14	303380	96.46
	1906	TENNYSON OFFSET	110	106	2	15480	96.36
				106	2	15480	96.36
	2102	BRITISH OPAQUE	110	114	4	89200	103.63
			110	112	6	85710	101.81
				113	10	174910	102.74
	2328	DICTIONARY TEXT	110	115	2	22180	104.54
				115	2	22180	104.54
	2503	SOLITUDE OPAQUE	110	114	2	17460	103.63
				114	2	17460	103.63
	2528	A H DICTIONARY	110	111	48	1121980	100.90
				111	48	1121980	100.90
	2535	MANUAL OFFSET	110	105	2	44510	95.45
				105	2	44510	95.45
	2543	A.P. LIGHTWEIGHT	112	120	1	3600	107.14
				120	1	3600	107.14
	2902	DICKENS OFFSET	110	121	2	48080	110.00
				121	2	48080	110.00
	2903	DICKENS OFFSET	110	105	4	52320	95.45
				105	4	52320	95.45
	2961	BW 8 OFFSET	110	112	2	7900	101.81
			110	105	2	39240	95.45
				106	4	47140	96.52
	7100	K WHITE OFFSET	110	101	1	18840	91.81
				101	1	18840	91.81
	7102	K WHITE OFFSET	110	116	2	43120	105.45
			110	114	2	65840	103.63
			110	112	4	65580	101.81
			110	110	2	40290	100.00
			110	105	5	62480	95.45
			110	102	7	135270	92.72
				108	22	412580	98.36
	7103	K WHITE OFFSET	110	115	4	104150	104.54

SA 065523

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			110	110	1	3560	100.00
			110	102	2	16680	92.72
			110	101	6	181350	91.81
			110	100	1	10310	90.90
			110	99	2	39590	90.00
				105	16	355640	95.43
	7104	K WHITE OFFSET	110	120	2	40310	109.09
			110	109	1	6460	99.09
			110	106	2	32140	96.36
			110	105	7	117400	95.45
			110	104	1	6840	94.54
			110	102	1	11760	92.72
				108	14	214910	94.08
	7105	K WHITE OFFSET	110	112	2	20090	101.81
				112	2	20090	101.81
	7107	K WHITE OFFSET	110	105	3	52530	95.45
				105	3	52530	95.45
	7200	RAVENSWOOD OPAQUE	110	113	3	80460	102.72
				113	3	80460	102.72
	7202	RAVENSWOOD OPAQUE	110	107	2	45480	97.27
			110	105	2	37680	95.45
				106	4	83160	96.45
				110	156	3089250	99.12

SA 065524

PROGRAM: N4PS7010 S C M A L L I E D P A P E R I N C. PAGE 9
RUN DATE: 04/06/83 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	104	108	3	36590	103.84
				108	3	36590	103.84
	207	LAUREL TEXT R.S.	104	110	1	9430	105.76
				110	1	9430	105.76
	259	ALLIED MATTE BASE	121	108	2	25690	89.25
			121	107	2	27700	88.42
			121	104	4	131010	85.95
			121	99	3	57770	81.81
				104	11	242170	85.59
	273	TYPE IV E DT BLADE BASE	104	114	2	56300	109.61
			104	102	1	10800	98.07
				112	3	67100	107.75
	276	TYPE IV E DT BLADE BASE	124	118	4	85080	95.16
			124	109	17	486500	87.90
				110	21	571580	88.98
	1000	Q.P.S OFFSET	114	114	2	45570	100.00
				114	2	45570	100.00
	1203	A.M.S PRIDE	121	116	5	66580	95.86
				116	5	66580	95.86
	1206	SPEC A.M. PRIDE	102	107	3	25570	104.90
			102	104	1	21650	101.96
				106	4	47220	103.55
	1207	A.M.S PRIDE	106	105	2	15210	99.05
				105	2	15210	99.05
	1208	A M PRIDE	110	105	3	27940	95.45
			110	102	1	26040	92.72
				104	4	53980	94.13
	1800	PRIDE OPAQUE	110	115	2	33280	104.54
			110	107	2	41000	97.27
			110	102	1	3710	92.72
				110	5	77990	100.16
	1805	ALLIED PRIDE	110	105	5	84810	95.45
				105	5	84810	95.45
	2109	B.W.S BIBLE	110	115	5	82870	104.54
				115	5	82870	104.54
	2202	IMPERIAL BIBLE	110	116	2	23110	105.45

SA 865525

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03.1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			110	104	2	30630	94.54
				109	4	53740	99.23
	2204	IMPERIAL BIBLE	110	96	1	11130	87.27
				96	1	11130	87.27
	2254	EX. WHITE IMPERIAL BIBLE	110	95	1	14720	86.36
				95	1	14720	86.36
	2406	SHAKESPEARE THIN	110	105	1		95.45
					1		
	2407	SHAKESPEARE THIN	110	111	1	16980	100.90
			110	105	1	12350	95.45
				108	2	29330	98.61
	2440	SHAKESPEARE THIN	110	107	3	71080	97.27
			110	106	1	3960	96.36
				107	4	75040	97.22
	2504	SOLITUDE OPAQUE	110	112	2	17360	101.81
				112	2	17360	101.81
	2505	SOLITUDE OPAQUE	110	104	2	40320	94.54
				104	2	40320	94.54
	2513	IBM SUPERIOR OFFSET	110	105	2	38580	95.45
				105	2	38580	95.45
	2514	INTERNATIONAL HARVESTER OPAQUE	105	105	3	29530	100.00
				105	3	29530	100.00
	2535	MANUAL OFFSET	110	107	3	82720	97.27
			110	105	2	40470	95.45
				106	5	123190	96.67
	2545	A.P& LIGHTWEIGHT	110	107	2	41550	97.27
				107	2	41550	97.27
	2962	GPO LOT 21	110	110	3	62630	100.00
			110	105	8	121590	95.45
				107	11	184220	97.00
	3000	SUPERIOR OFFSET	110	110	2	25010	100.00
				110	2	25010	100.00
	3830	WHITE BOOKLITE	110	113	2	15210	102.72
			110	110	3	18760	100.00
			110	96	1	5580	87.27

SB 065526

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				109	6	39550	99.25
	7000	CALENDAR PAD OFFSET	110	105	3	45930	95.45
				105	3	45930	95.45
	7100	K WHITE OFFSET	110	115	2	11840	104.54
			110	110	2	24790	100.00
			110	108	3	91300	98.18
			110	105	3	51870	95.45
			110	101	1	11610	91.81
				107	11	191410	97.68
	7101	K WHITE OFFSET	110	118	1	8320	107.27
			110	106	2	42560	96.36
			110	105	2	31770	95.45
				107	5	82650	97.11
	7102	K WHITE OFFSET	110	117	1	11840	106.36
			110	116	5	55630	105.45
			110	115	1	20800	104.54
			110	114	2	15690	103.63
			110	112	3	23350	101.81
			110	108	1	17160	98.18
			110	107	1	3920	97.27
			110	106	2	19530	96.36
			110	105	7	86970	95.45
			110	103	2	57920	93.63
			110	102	4	66300	92.72
				108	29	379110	97.92
	7104	K WHITE OFFSET	110	115	4	26350	104.54
			110	109	1	27700	99.09
			110	105	4	59790	95.45
			110	102	1	3960	92.72
				108	10	117800	98.25
	7200	RAVENSWOOD OPAQUE	110	107	5	120360	97.27
			110	100	3	54050	90.90
				105	8	174410	95.30
	7201	RAVENSWOOD OPAQUE	110	105	3	61200	95.45
				105	3	61200	95.45
	7202	RAVENSWOOD OPAQUE	110	107	2	44410	97.27
			110	100	2	19320	90.90
				105	4	63730	95.34
	7204	RAVENSWOOD OPAQUE	110	105	1	24040	95.45
				105	3	24040	95.45

SR 065527

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7209	T L LIGHTWEIGHT	110	105	5	87830	95.45
				105	5	87830	95.45
				108	200	3352480	95.41

SR 065528

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 03,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	102	105	2	41460	102.94
				105	2	41460	102.94
	807	LAUREL TEXT	102	107	1	9750	104.90
				107	1	9750	104.90
	859	ALLIED MATTE	102	105	2	73630	102.94
			102	101	4	147240	99.01
			102	97	2	65860	95.09
				101	8	286730	99.12
	873	MASTERBASE TYPE IV DTHW	102	111	3	63450	108.82
			102	100	1	11810	98.03
				109	4	75260	107.13
	876	MASTERBASE TYPE IV DT	102	115	7	173730	112.74
			102	107	16	463050	104.90
				109	23	636780	107.04
				107	38	1049980	104.70

SH 865529

HARRY W. TAYLOR DIV.
5382 WYNN ROAD KALAMAZOO, MICHIGAN 49003
(616) 381-1500

FEBRUARY, 1983.

			TONS
5	1155800 + 3640	=	580
6	3075110 + 29680	=	1552
7	1764040 +	=	882
8	3044760 + 5820	=	1525
9	2416100 + 98580	=	1257
17	825000 + 118560	=	472

			HRS
5	9.2 + 610.4	=	619.6
6	125 + 5682	=	580.7
7	5499	=	549.9
8	6.7 + 599.8	=	606.5
9	37.5 + 558.4	=	595.9
17	31.5 + 163.6	=	195.1

TAYLOR ENGINEERING CORP
SOUTHFIELD, MICHIGAN

A P ENGELHART DIV
FLINT, MICHIGAN

GRAND RAPIDS DIV
GRAND RAPIDS, MICHIGAN

JACKSON DIV.
JACKSON, MICHIGAN

LANSING SUPPLY DIV.
LANSING, MICHIGAN

GROUP

TAYLOR ENGINEERING CORP
DETROIT MICHIGAN

HARRY W. TAYLOR DIV.
KALAMAZOO, MICHIGAN

R H. TAYLOR DIV
SAGINAW & MIDLAND, MICHIGAN

TRIANGLE SUPPLY DIV
PORT HURON, MICHIGAN

PROGRAM: N4PS7610 — S C M A L L I E D P A P E R I N C. — PAGE 1

RUN DATE: 03/01/83 — DAILY PRODUCTION SYSTEM

RUN TIME: 165849 — PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

FEBRUARY, 1983

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
5	25.00	1401	BRITISH OPAQUE - SER	16.5	16.5	109.09	39876	40740	3100	37640	94.39
5	35.00	1805	ALLIED PRIDE								
5	28.00	2000	BRITE LITE THIN	63.1	59.5	102.87	113049	101460	3140	98320	86.97
5	28.00	2001	BRITE LITE THIN	59.0	57.6	106.50	101742	108820		108820	106.96
5	38.00	2204	IMPERIAL BIBLE	21.5	20.4	103.51	56951	48030	1400	46630	81.88
5	24.00	2210	IMPERIAL BIBLE EF NA	16.0	15.2	103.64	32867	36580		36580	111.30
5	33.00	2406	SHAKESPEARE THIN	16.7	15.7	102.56	45452	42250		42250	92.96
5	35.00	2407	SHAKESPEARE THIN								
5	40.00	2535	MANUAL OFFSET	8.7	8.1	101.57	25853	28120		28120	108.77
5	21.00	2541	A P LIGHTWEIGHT TY Q	114.0	109.3	104.59	211163	230090	7970	222120	105.19
5	28.00	2542	A P LIGHT WEIGHT	39.3	37.8	104.93	73193	63610		63610	86.91
5	35.00	2546	A.P. LIGHTWEIGHT	24.3	22.9	102.81	67805	69290		69290	102.19
5	30.00	3839	WHITE BOOKLITE	3.5	2.5	77.92	7239	6120		6120	84.54
5	21.50	6400	CIGARETTE TIPPING -	257.7	244.9	103.67	367783	380690		380690	103.51
	23.83		MACH TOTAL 1.09091	640.3	610.4	104.00	1142973	1155800	15610	1140190	99.76
6	30.00	1100	E. B. NEW SHADE	125.3	106.8	92.98	468674	394490	2950	391540	83.54
6	40.00	1200	SPEC A.M. PRIDE	26.7	24.0	98.06	144459	152620	2470	150150	103.94
6	50.00	1208	A M PRIDE	32.5	18.6	62.43	129572	107400	1060	106340	82.07
6	33.00	1933	BW SPECIAL PRIDE								
6	35.00	2504	SOLITUDE OPAQUE								
6	40.00	2535	MANUAL OFFSET	58.2	54.0	101.22	318913	322440	1210	321230	100.73
6	50.00	2538	I B M MANUAL	6.7	6.4	104.21	44260	46920		46920	106.01
6	30.00	2543	A.P. LIGHTWEIGHT	143.8	133.7	101.43	570993	587300	400	586900	102.79
6	50.00	2981	BW G OFFSET	12.8	12.6	107.39	84530	93050		93050	110.08
6	60.00	2982	GPO LOT 21	5.7	5.5	105.26	40348	44560		44560	110.44
6	60.00	2983	OPACIFIED OFFSET JCP	14.7	13.8	102.41	97462	95700	4590	91110	93.48
6	99.99	2995	US POST CARD LOT 326								
6	50.00	3002	SUPERIOR OFFSET	12.6	12.3	106.49	88711	90540		90540	102.06
6	38.00	3040	SPECIAL SUPERIOR BOO	47.5	46.2	106.11	245151	250620	15660	234960	95.84
6	30.00	3830	WHITE BOOKLITE								
6	45.00	7101	K WHITE OFFSET	11.9	11.3	103.59	71107	49590		49590	69.74
6	50.00	7102	K WHITE OFFSET	58.1	53.0	99.52	367438	377950	9600	368350	100.25
6	60.00	7104	K WHITE OFFSET	26.9	24.6	99.76	181594	197480		197480	108.75
6	40.00	7209	RAVENSWOOD OPAQUE	5.9	4.7	86.90	28486	28600		28600	100.40
6	40.00	7201	RAVENSWOOD OPAQUE	12.5	11.1	96.87	70879	79810		79810	112.60
6	35.00	7209	T L LIGHTWEIGHT	27.4	26.3	104.71	136234	144560	2580	141980	104.22
6	29.50	9010	BLUE GREEN DUPONT PA	4.5	3.3	80.00	12210	11480		11480	94.02
	41.10		MACH TOTAL 1.09091	633.7	568.2	97.82	3101021	3075110	40520	3034590	97.86
	36.39		MILL C TOTAL	1274.0	1178.6	100.92	4243994	4230910	56130	4174780	98.37
7	45.00	1000	O.P. OFFSET	16.9	15.9	102.64	72504	77260		77260	106.56
7	30.00	1100	E. B. NEW SHADE	265.2	200.8	82.60	878944	466850	5610	461240	52.48
7	30.00	1203	A.M. PRIDE								

SD 065531

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
7	30.00	1800	PRIDE OPAQUE	50.5	48.7	105.20	174996	184930	1470	183460	104.84
7	35.00	2104	BRITISH OPAQUE	18.9	17.3	99.86	76865	71410	1270	70140	91.25
7	35.00	2231	ALLIED SPECIAL BIBLE								
7	30.00	2240	LAWYERS WHITE OFFSET								
7	22.00	2500	SOLITUDE OPAQUE	29.3	29.0	107.97	76002	89160	5100	84060	110.60
7	30.00	2503	SOLITUDE OPAQUE	184.5	167.2	98.86	677928	536430	1380	535050	78.92
7	30.00	2543	A.P. LIGHTWEIGHT	28.2	10.9	42.17	44365	21540		21540	48.55
7	40.00	7100	K WHITE OFFSET	19.5	7.6	42.52	35618	27380		27380	76.87
7	50.00	7102	K WHITE OFFSET	55.0	52.5	104.13	281408	289080		289080	102.73
	33.89		MACH TOTAL 1.09091	668.0	549.9	89.80	2318630	1764040	882 14830	1749210	75.44
8	40.00	1200	SPEC A.M. PRIDE	29.3	28.7	106.86	122346	135590		135590	110.83
8	50.00	1208	A M PRIDE	20.3	17.0	91.36	92750	79060		79060	85.24
8	70.00	1211	GENERIC OFFSET	4.0	3.7	100.91	19191	19710		19710	102.70
8	48.00	1528	BW J OFFSET	3.5	3.5	109.09	18154	18280		18280	100.69
8	30.00	1800	PRIDE OPAQUE								
8	30.00	2102	BRITISH OPAQUE	3.0	2.5	90.91	8624	8480		8480	98.33
8	28.00	2320	DICTIONARY TEXT	78.3	69.3	96.55	229518	213390	15910	197480	86.04
8	40.00	2513	IBM SUPERIOR OFFSET	8.4	7.6	98.70	33632	40780		40780	121.25
8	40.00	2535	MANUAL OFFSET	23.2	22.4	105.33	95490	100220		100220	104.95
8	40.00	2960	GPO LOT 16 OFFSET	11.3	10.0	96.54	42629	44710		44710	104.88
8	60.00	2962	GPO LOT 21	21.8	16.3	81.57	85575	92520		92520	108.12
8	60.00	2982	OPACIFIED OFFSET JCP	8.5	7.7	98.82	40425	44270		44270	109.51
8	40.00	7100	K WHITE OFFSET	38.9	36.1	101.24	166127	168780	4160	164620	99.09
8	45.00	7101	K WHITE OFFSET	28.4	27.4	105.25	134876	140430		140430	104.12
8	50.00	7102	K WHITE OFFSET	175.4	164.8	102.31	926067	962830	5060	957770	103.42
8	60.00	7104	K WHITE OFFSET	70.0	66.5	103.64	354050	370200	2080	368120	103.97
8	70.00	7105	K WHITE OFFSET	7.2	6.7	101.52	37494	39100		39100	104.28
8	80.00	7107	K WHITE OFFSET	8.4	8.1	105.19	38442	41700		41700	108.48
8	45.00	7121	B.W. K OFFSET - ANTI	2.7	2.5	101.01	12064	13590		13590	112.65
8	50.00	7122	BW K OFFSET - ANTIQU	24.3	21.8	97.87	123846	133220		133220	107.57
8	40.00	7200	RAVENSWOOD OPAQUE	79.9	77.5	105.81	336546	377900	1500 4630	373270	110.91
	47.75		MACH TOTAL 1.09091	646.8	599.8	101.16	2917846	3044760	31840	3012920	103.26
9	38.00	203	LAUREL TEXT - RS	6.5	6.5	109.09	28100	30560		30560	108.75
9	68.00	207	LAUREL TEXT R.S.	12.0	10.5	95.45	49895	60350	6820	53530	107.29
9	35.00	259	ALLIED MATTE BASE	49.1	42.0	93.32	157713	172700	2300	170400	108.04
9	60.00	276	TYPE IV E DT BLADE B	79.9	70.0	95.57	348563	386030		386030	110.75
9	30.00	1203	A.M. PRIDE	18.6	15.9	93.26	47368	44570		44570	94.09
9	40.00	1206	SPEC A.M. PRIDE	38.6	36.0	101.74	152578	148870	840	148030	97.02
9	48.00	1207	A.M. PRIDE	16.9	16.0	103.28	71566	85710		85710	119.76
9	38.00	1208	A M PRIDE	8.8	8.2	101.65	41619	47460		47460	114.03
9	30.00	1803	ALLIED PRIDE	12.5	11.5	100.36	37524	40160		40160	107.02
9	40.00	1805	ALLIED PRIDE	22.6	22.1	106.68	82608	88750		88750	107.44
9	26.00	2109	B.W. BIBLE	8.3	6.6	86.75	18247	13230		13230	72.51
9	24.00	2210	IMPERIAL BIBLE EF NA	13.9	12.5	98.10	30089	21840		21840	72.58

SA 865532

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
9	30.00	2240	LAWYERS WHITE OFFSET	72.7	68.1	102.19	230403	246520		246520	107.00
9	32.00	2304	MERRIAM DICTIONARY	2.1	1.4	72.73	5216	4820		4820	92.41
9	28.00	2320	DICTIONARY TEXT	21.9	17.9	89.17	56813	54080	5950	48130	84.72
9	40.00	2512	IBM SUPERIOR OFFSET	5.6	5.1	99.35	21208	24100		24100	113.64
9	40.00	2530	MANUAL OFFSET	9.0	8.5	103.03	35163	41070	7680	33390	94.96
9	30.00	2543	A.P. LIGHTWEIGHT	16.8	15.8	102.60	47944	46580	1310	45270	94.42
9	35.00	2545	A.P. LIGHTWEIGHT	34.4	32.9	104.33	122264	132830	750	132080	108.03
9	30.00	3930	WHITE BOOKLITE	27.8	26.6	104.38	78448	89300		89300	113.83
9	40.00	7100	K WHITE OFFSET	14.3	13.8	105.28	62526	71030		71030	113.60
9	45.00	7101	K WHITE OFFSET	3.5	3.2	99.74	14313	16320		16320	114.02
9	50.00	7102	K WHITE OFFSET	50.9	46.5	99.66	224493	261540	2050	259490	115.59
9	60.00	7104	K WHITE OFFSET	15.6	13.8	96.50	73615	81560		81560	110.79
9	40.00	7200	RAVENSWOOD OPAQUE	17.6	15.4	95.45	68563	78740		78740	114.84
9	50.00	7202	RAVENSWOOD OPAQUE	6.5	6.0	100.70	27195	27890		27890	102.56
9	35.00	7209	T L LIGHTWEIGHT	26.1	25.6	107.00	95692	99490	1380	98110	102.53
	42.74		MACH TOTAL 1.09091	612.5	558.4	99.46	2229726	2416100	29080	2387020	107.05
	42.69		MILL D TOTAL	1927.3	1708.1	96.68	7466202	7224900	75750	7149150	95.75
	40.36		BOOK MILL TOTAL	3201.3	2886.7	98.37	11710196	11455810	131880	11323930	96.70
17	50.00	803	LAUREL TEXT	4.7	3.9	91.56	34772	32930		32930	94.70
17	80.00	807	LAUREL TEXT	5.0	4.5	99.31	53350	54130		54130	101.46
17	99.99	809	LAUREL TEXT								
17	50.00	859	ALLIED MATTE	37.3	29.6	87.57	224499	201570	4200	197370	87.92
17	70.00	874*	TYPE 904-B	15.8	15.5	108.25	49537	53820	1820	52000	104.97
17	87.50	876*	MASTERBASE TYPE IV D	118.7	110.1	102.35	446259	482550	8440	474110	106.24
	55.63		BLADE SUBTOTAL	47.0	38.0	89.22	312621	288630	4200	284430	90.98
	86.55		*BLADE SUBTOTAL	134.5	125.6	103.04	495796	536370	10260	526110	106.11
	75.73		BLADE COATER 1.10345	181.5	163.6	99.46	808417	825000	14460	810540	100.26
	48.74		GRAND SUBTOTAL	3248.3	2924.7	98.24	12022817	11744440	136080	11608360	96.55
	86.55		*GRAND SUBTOTAL	134.5	125.6	103.04	495796	536370	10260	526110	106.11
	42.74		GRAND TOTAL	3382.8	3050.3	98.43	12518613	12280810	146340	12134470	96.93

PRODUCTION

FEBR.83

J4PS03A

J2385F

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****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
****F START JOB 2385 J4PS03A4 KAL ROOM 9.30.59 AM 02 MAR 83 R8.PR1 SYS P033
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SA 065534

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 03/01/83 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1401	BRITISH OPAQUE - SERVICE OFFSE	600	640	3	40740	106.66
				640	3	40740	106.66
	2000	BRITE LITE THIN	620	550	1		88.70
			620	640	2	17930	103.22
			620	650	3	37670	104.83
			620	660	2	19550	106.45
			620	670	2	26310	108.06
				655	10	101460	105.70
	2001	BRITE LITE THIN	620	650	6	89880	104.83
			620	660	1	14340	106.45
			620	670	1	4600	108.06
				652	8	108820	105.18
	2204	IMPERIAL BIBLE	570	580	5	48030	101.75
				580	5	48030	101.75
	2210	IMPERIAL BIBLE EF NAT PUB	600	660	3	36580	110.00
				660	3	36580	110.00
	2406	SHAKESPEARE THIN	600	565	1	14000	94.16
			600	570	2	22930	95.00
			600	600	1	5320	100.00
				572	4	42250	95.35
	2535	MANUAL OFFSET	540	540	3	22330	100.00
			540	550	1	5790	101.85
				542	4	28120	100.38
	2541	A P LIGHTWEIGHT TY OPA	620	670	17	230090	108.06
				670	17	230090	108.06
	2542	A P LIGHT WEIGHT	620	640	4	27400	103.22
			620	680	3	36210	109.67
				663	7	63610	106.89
	2545	A.P& LIGHTWEIGHT	570	565	1	5340	99.12
			570	570	1	19290	100.00
			570	580	2	41880	101.75
			570	680	1	2780	119.29
				580	5	69290	101.76
	3830	WHITE BOOKLITE	600	600	1	6120	100.00
				600	1	6120	100.00
	6400	CIGARETTE TIPPING - CORK	500	500	17	142300	100.00
			500	510	1	8180	102.00
			500	520	22	230210	104.00

SA 865535

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				512	40	380690	102.46
				597	107	1155800	104.35

SA 365536

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	I100	E. B. NEW SHADE	750		2		
			750	760	14	324410	101.33
			750	780	3	70080	104.00
				764	19	394490	101.80
	1206	SPEC A.M. PRIDE	740	770	5	152620	104.05
				770	5	152620	104.05
	1208	A M PRIDE	700	720	4	47820	102.85
			700	730	2	9600	104.28
			700	740	2	49980	105.71
				730	8	107400	104.31
	2535	MANUAL OFFSET	740	750	3	93120	101.35
			740	770	1	20160	104.05
			740	780	6	209160	105.40
				771	10	322440	104.15
	2536	I B M MANUAL	700	740	3	46920	105.71
				740	3	46920	105.71
	2543	A.P& LIGHTWEIGHT	750	770	25	587300	102.66
				770	25	587300	102.66
	2961	HW G OFFSET	700	730	5	93050	104.28
				730	5	93050	104.28
	2962	GPO LOT 21	620	650	1	44560	104.83
				650	1	44560	104.83
	2982	OPACIFIED OFFSET JCPA80	620	640	1	18760	103.22
			620	650	3	76940	104.83
				648	4	95700	104.51
	3002	SUPERIOR OFFSET	700	740	2	90540	105.71
				740	2	90540	105.71
	3040	SPECIAL SUPERIOR BOOK	750	780	8	250620	104.00
				780	8	250620	104.00
	7101	K WHITE OFFSET	720	780	3	49590	108.33
				780	3	49590	108.33
	7102	K WHITE OFFSET	700	720	2	44790	102.85
			700	730	6	97250	104.28
			700	740	7	176130	105.71
			700	750	1	40740	107.14
			700	760	1	19040	108.57
				737	17	377950	105.30

SH 865537

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7104	K WHITE OFFSET	620	640	1	43000	103.22
			620	650	6	133480	104.83
			620	700	2	21000	112.90
				653	9	197480	105.34
	7200	RAVENSWOOD OPAQUE	740	780	1	28600	105.40
				780	1	28600	105.40
	7201	RAVENSWOOD OPAQUE	720	780	4	79810	108.33
				780	4	79810	108.33
	7209	T L LIGHTWEIGHT	750	780	5	144560	104.00
				780	5	144560	104.00
	9010	BLUE GREEN DUPONT PAPER	600	620	1	11480	103.33
				620	1	11480	103.33
				749	130	3075110	104.04

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1000	Q.P. OFFSET	630	650	3	77260	103.17
				650	3	77260	103.17
	1100	E. B. NEW SHADE	750		1		
			750	610	1		81.33
			750	700	1	5250	93.33
			750	710	1	24740	94.66
			750	720	12	198570	96.00
			750	750	16	169970	100.00
			750	760	8	68320	101.33
				736	40	466850	98.14
	1800	PRIDE OPAQUE	750	780	8	184930	104.00
				780	8	184930	104.00
	2104	BRITISH OPAQUE	740	740	3	42800	100.00
			740	780	2	28610	105.40
				756	5	71410	102.16
	2500	SOLITUDE OPAQUE	670	750	4	89160	111.94
				750	4	89160	111.94
	2503	SOLITUDE OPAQUE	750	680	3	40040	90.66
			750	750	22	496390	100.00
				745	25	536430	99.30
	2543	A.P& LIGHTWEIGHT	750		1		
			750	780	4	21540	104.00
				780	5	21540	104.00
	7100	K WHITE OFFSET	680	740	4	27380	108.82
				740	4	27380	108.82
	7102	K WHITE OFFSET	580		1		
			580	570	1	24400	98.27
			580	590	5	59630	101.72
			580	600	8	160270	103.44
			580	610	4	44780	105.17
				597	19	289080	102.92
				719	113	1764040	101.21

SA 865539

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1206	SPEC A.M. PRIDE	720	760	2	26210	105.55
			720	770	3	109380	106.94
				768	5	135590	106.67
	1208	A M PRIDE	730	730	3	50400	100.00
			730	750	3	28660	102.73
				737	6	79060	100.99
	1211	GENERIC OFFSET	500	520	2	19710	104.00
				520	2	19710	104.00
	1528	BW J OFFSET	730	740	1	18280	101.36
				740	1	18280	101.36
	2102	BRITISH OPAQUE	730	730	1	8480	100.00
				730	1	8480	100.00
	2328	DICTIONARY TEXT	730	740	1	4700	101.36
			730	750	9	197700	102.73
			730	780	1	10990	106.84
				751	11	213390	102.91
	2513	IBM SUPERIOR OFFSET	720	770	2	40780	106.94
				770	2	40780	106.94
	2535	MANUAL OFFSET	720	760	2	44590	105.55
			720	770	2	55630	106.94
				766	4	100220	106.32
	2960	GPO LOT 16 OFFSET	720	760	2	44710	105.55
				760	2	44710	105.55
	2962	GPO LOT 21	590	630	4	92520	106.77
				630	4	92520	106.77
	2982	OPACIFIED OFFSET JCPA80	590	610	2	44270	103.38
				610	2	44270	103.38
	7100	K WHITE OFFSET	720	760	3	13120	105.55
			720	770	9	155660	106.94
				769	12	168780	106.83
	7101	K WHITE OFFSET	730	740	6	87180	101.36
			730	760	4	53250	104.10
				748	10	140430	102.40
	7102	K WHITE OFFSET	730	720	7	127870	98.63
			730	730	29	453710	100.00
			730	740	5	55290	101.36

SA 065548

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			730	750	12	325960	102.73
				736	53	962830	100.82
	7104	K WHITE OFFSET	590	610	2	24080	103.38
			590	620	15	255570	105.08
			590	630	7	89750	106.77
				622	24	370200	105.38
	7105	K WHITE OFFSET	500	520	3	39100	104.00
				520	3	39100	104.00
	7107	K WHITE OFFSET	400	400	2	41700	100.00
				400	2	41700	100.00
	7121	B.W. K OFFSET - ANTIQUE	730	760	1	13590	104.10
				760	1	13590	104.10
	7122	BW K OFFSET - ANTIQUE	730	700	2	56440	95.89
			730	720	1	42280	98.63
			730	740	2	34500	101.36
				717	5	133220	98.18
	7200	RAVENSWOOD OPAQUE	720	760	13	377900	105.55
				760	13	377900	105.55
				717	163	3044760	103.28

SH 09541

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	720	730	2	30560	101.38
				730	2	30560	101.38
	207	LAUREL TEXT R.S.	450	570	2	60350	126.66
				570	2	60350	126.66
	259	ALLIED MATTE BASE	720	750	2	33580	104.16
			720	760	3	49470	105.55
			720	770	5	89650	106.94
				763	10	172700	106.00
	276	TYPE IV E DT BLADE BASE	500	530	3	83420	106.00
			500	540	6	181260	108.00
			500	550	4	103850	110.00
			500	590	1	17500	118.00
				543	14	386030	108.56
	1203	A.M. PRIDE	720	760	2	31100	105.55
			720	785	1	13470	109.02
				768	3	44570	106.60
	1206	SPEC A&M. PRIDE	700	730	9	108640	104.28
			700	740	5	40230	105.71
				733	14	148870	104.67
	1207	A.M. PRIDE	670	720	1	26610	107.46
			670	750	3	59100	111.94
				741	4	85710	110.55
	1208	A M PRIDE	630	690	2	44900	109.52
			630	700	1	2560	111.11
				691	3	47460	109.61
	1803	ALLIED PRIDE	720		1		
			720	760	3	40160	105.55
				760	4	40160	105.55
	1805	ALLIED PRIDE	720	750	1	6580	104.16
			720	770	4	82170	106.94
				769	5	88750	106.73
	2109	B.W. BIBLE	700	720	2	10380	102.85
			700	760	1	2850	108.57
				729	3	13230	104.08
	2210	IMPERIAL BIBLE EF NAT PUB	700	740	1		105.71
			700	750	2	21840	107.14
				750	3	21840	107.14

SA 86542

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2240	LAWYERS WHITE OFFSET	720		1		
			720	770	11	246520	106.94
				770	12	246520	106.94
	2304	MERRIAM DICTIONARY	720	750	1	4820	104.16
				750	1	4820	104.16
	2328	DICTIONARY TEXT	700		1		
			700	760	3	54080	108.57
				760	4	54080	108.57
	2513	IBM SUPERIOR OFFSET	700	720	2	24100	102.85
				720	2	24100	102.85
	2535	MANUAL OFFSET	700	740	2	41070	105.71
				740	2	41070	105.71
	2543	A.P. LIGHTWEIGHT	720	770	4	46580	106.94
				770	4	46580	106.94
	2545	A.P. LIGHTWEIGHT	720	760	3	16830	105.55
			720	770	4	116000	106.94
				769	7	132830	106.76
	3830	WHITE BOOKLITE	720	750	1	6320	104.16
			720	770	4	82980	106.94
				769	5	89300	106.74
	7100	K WHITE OFFSET	700	740	3	71030	105.71
				740	3	71030	105.71
	7101	K WHITE OFFSET	670	750	1	16320	111.94
				750	1	16320	111.94
	7102	K WHITE OFFSET	630	690	3	50870	109.52
			630	700	8	134050	111.11
			630	730	4	73380	115.87
			630	750	1	3240	119.04
				707	16	261540	112.23
	7104	K WHITE OFFSET	550	600	4	41280	109.09
			550	630	2	40280	114.54
				615	6	81560	111.78
	7200	RAVENSWOOD OPAQUE	700	760	3	78740	108.57
				760	3	78740	108.57
	7202	RAVENSWOOD OPAQUE	630	690	2	17020	109.52
			630	700	1	10870	111.11

SP 06543

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				694	3	27890	110.14
	7209	T L LIGHTWEIGHT	720	740	1	3860	102.77
			720	770	4	95630	106.94
				769	5	99490	106.78
				706	141	2416100	108.31

SA 065544

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	1300		2	32930	
					2	32930	
	807	LAUREL TEXT	1100		1	54130	
					1	54130	
	859	ALLIED MATTE	1175		7	201570	
					7	201570	
	874	TYPE 904-R	325		5	53820	
					5	53820	
	876	MASTERBASE TYPE IV DT	320		14	482550	
					14	482550	
					29	825000	

SA 065545

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1401	BRITISH OPAQUE - SERVICE OFFSE	116	114	3	40740	98.27
				114	3	40740	98.27
	2000	BRITE LITE THIN	110	114	2	19550	103.63
			110	108	8	81910	98.18
				109	10	101460	99.23
	2001	BRITE LITE THIN	110	92	8	108820	83.63
				92	8	108820	83.63
	2204	IMPERIAL BIBLE	110	99	5	48030	90.00
				99	5	48030	90.00
	2210	IMPERIAL BIBLE EF NAT PUB	96	106	3	36580	110.41
				106	3	36580	110.41
	2406	SHAKESPEARE THIN	110	105	3	36930	95.45
			110	96	1	5320	87.27
				104	4	42250	94.42
	2535	MANUAL OFFSET	110	105	4	28120	95.45
				105	4	28120	95.45
	2541	A P LIGHTWEIGHT TY QPA	116	105	17	230090	90.51
				105	17	230090	90.51
	2542	A P LIGHT WEIGHT	105	102	3	27510	97.14
			105	100	4	36100	95.23
				101	7	63610	96.06
	2545	A.P. LIGHTWEIGHT	110	105	5	69290	95.45
				105	5	69290	95.45
	3830	WHITE BOOKLITE	102	114	1	6120	111.76
				114	1	6120	111.76
	6400	CIGARETTE TIPPING - CORK	114	101	13	105500	88.59
			114	100	14	157670	87.71
			114	98	5	45600	85.96
			114	97	3	26940	85.08
			114	92	5	44980	80.70
				99	40	380690	86.73
				102	107	1155800	91.24

SH 365546

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1100	E. B. NEW SHADE	138	138	19	394490	100.00
				138	19	394490	100.00
	1206	SPEC A.M. PRIDE	142	144	5	152620	101.40
				144	5	152620	101.40
	1208	A M PRIDE	148	142	4	69360	95.94
			148	140	3	35550	94.59
			148	131	1	2490	88.51
				141	8	107400	95.32
	2535	MANUAL OFFSET	140	142	6	200800	101.42
			140	140	4	121640	100.00
				141	10	322440	100.88
	2536	I B M MANUAL	142	140	3	46920	98.59
				140	3	46920	98.59
	2543	A.P. LIGHTWEIGHT	140	138	9	235750	98.57
			140	132	16	351550	94.28
				134	25	587300	96.00
	2961	BW G OFFSET	142	140	2	29520	98.59
			142	134	3	63530	94.36
				136	5	93050	95.70
	2962	GPO LOT 21	142	140	1	44560	98.59
				140	1	44560	98.59
	2982	OPACIFIED OFFSET JCPA80	142	140	1	12640	98.59
			142	134	3	83060	94.36
				135	4	95700	94.92
	3002	SUPERIOR OFFSET	142	146	2	90540	102.81
				146	2	90540	102.81
	3040	SPECIAL SUPERIOR BOOK	148	132	8	250620	89.18
				132	8	250620	89.18
	7101	K WRITE OFFSET	142	138	3	49590	97.18
				138	3	49590	97.18
	7102	K WHITE OFFSET	142	146	2	44790	102.81
			142	145	2	27450	102.11
			142	140	9	204480	98.59
			142	138	2	72520	97.18
			142	135	2	28710	95.07
				140	17	377950	98.81

SB 065547

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7104	K WHITE OFFSET	142	146	1	29480	102.81
			142	142	1	4520	100.00
			142	140	7	163480	98.59
				141	9	197480	99.25
	7200	RAVENSWOOD OPAQUE	140	145	1	28600	103.57
				145	1	28600	103.57
	7201	RAVENSWOOD OPAQUE	140	143	1	4170	102.14
			140	140	2	66400	100.00
			140	139	1	9240	99.28
				140	4	79810	100.03
	7209	T L LIGHTWEIGHT	140	140	5	144560	100.00
				140	5	144560	100.00
	9010	BLUE GREEN DUPONT PAPER	148	148	1	11480	100.00
				148	1	11480	100.00
				138	130	3075110	97.90

SH 855548

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1000	Q.P. OFFSET	138	114	3	77260	82.60
				114	3	77260	82.60
	1100	E. B. NEW SHADE	138	138	34	460950	100.00
			138	136	6	5900	98.55
				138	40	466850	99.98
	1800	PRIDE OPAQUE	136	113	8	184930	83.08
				113	8	184930	83.08
	2104	BRITISH OPAQUE	134	124	2	34630	92.53
			134	120	2	28610	89.55
			134	114	1	8170	85.07
				121	5	71410	90.48
	2500	SOLITUDE OPAQUE	133	126	4	89160	94.73
				126	4	89160	94.73
	2503	SOLITUDE OPAQUE	134	131	9	244600	97.76
			134	125	16	291830	93.28
				128	25	536430	95.32
	2543	A.P. LIGHTWEIGHT	138	128	5	21540	92.75
				128	5	21540	92.75
	7100	K WHITE OFFSET	136	123	1	8310	90.44
			136	122	2	15620	89.70
			136	120	1	3450	88.23
				122	4	27380	89.74
	7102	K WHITE OFFSET	136	139	2	35450	102.20
			136	134	2	14850	101.47
			136	137	2		100.73
			136	136	4	112470	100.00
			136	134	2	21780	98.52
			138	131	1	23000	96.32
			136	126	2	41440	92.64
			136	116	3	30760	85.29
			136	102	1	9330	75.00
				131	19	289080	96.51
				128	113	1764040	94.57

SA 06549

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02.1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1206	SPEC A.M. PRIDE	105	105	5	135590	100.00
				105	5	135590	100.00
	1208	A M PRIDE	106	115	1	13500	108.49
			106	105	3	50400	99.05
			106	100	2	15160	94.33
				106	6	79060	99.76
	1211	GENERIC OFFSET	110	105	2	19710	95.45
				105	2	19710	95.45
	1528	BW J OFFSET	105	105	1	18280	100.00
				105	1	18280	100.00
	2102	BRITISH OPAQUE	110	112	1	8480	101.81
				112	1	8480	101.81
	2328	DICTIONARY TEXT	110	115	11	213390	104.54
				115	11	213390	104.54
	2513	IBM SUPERIOR OFFSET	110	109	2	40780	99.09
				109	2	40780	99.09
	2535	MANUAL OFFSET	110	105	4	100220	95.45
				105	4	100220	95.45
	2960	GPO LOT 16 OFFSET	122	105	2	44710	86.06
				105	2	44710	86.06
	2962	GPO LOT 21	110	105	4	92520	95.45
				105	4	92520	95.45
	2982	OPACIFIED OFFSET JCPAR0	110	105	2	44270	95.45
				105	2	44270	95.45
	7100	K WHITE OFFSET	110	119	3	13120	108.18
			110	115	4	112870	104.54
			110	105	5	42790	95.45
				113	12	168780	102.52
	7101	K WHITE OFFSET	110	112	2	19510	101.81
			110	110	2	31200	100.00
			110	105	2	46110	95.45
			110	103	2	28050	93.63
			110	102	2	15560	92.72
				106	10	140430	96.68
	7102	K WHITE OFFSET	110	120	6	80780	109.09
			110	116	5	57090	105.45

SA 065580

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02.1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			110	115	1	4030	104.54
			110	114	4	84300	103.63
			110	113	5	115430	102.72
			110	111	3	98390	100.90
			110	109	3	20220	99.09
			110	108	3	100740	98.18
			110	107	2	47490	97.27
			110	106	1	25740	96.36
			110	105	15	259620	95.45
			110	102	4	62730	92.72
			110	99	1	6270	90.00
				110	53	962830	99.63
	7104	K WHITE OFFSET	110	120	2	23640	109.09
			110	115	1	6150	104.54
			110	114	1	23040	103.63
			110	110	2	65090	100.00
			110	107	1	14460	97.27
			110	105	9	120300	95.45
			110	104	2	62280	94.54
			110	102	4	30360	92.72
			110	99	2	24880	90.00
				107	24	370200	97.11
	7105	K WHITE OFFSET	110	120	2	22600	109.09
			110	105	1	16500	95.45
				114	3	39100	103.33
	7107	K WHITE OFFSET	110	105	2	41700	95.45
				105	2	41700	95.45
	7121	B.W. K OFFSET - ANTIQUE	110	104	1	13590	94.54
				104	1	13590	94.54
	7122	BW K OFFSET - ANTIQUE	110	114	1	19320	103.63
			110	113	1	15180	102.72
			110	112	2	56440	101.81
			110	106	1	42280	96.36
				110	5	133220	100.45
	7200	RAVENSWOOD OPAQUE	110	107	12	370380	97.27
			110	105	1	7520	95.45
				107	13	377900	97.23
				109	163	3044760	98.87

SH 86551

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	104	112	2	30560	107.69
				112	2	30560	107.69
	207	LAUREL TEXT R.S.	104	110	2	60350	105.76
				110	2	60350	105.76
	259	ALLIED MATTE BASE	121	115	1	30620	95.04
			121	108	3	49470	89.25
			121	102	3	52260	84.29
			121	100	3	40350	82.64
				106	10	172700	87.23
	276	TYPE IV E DT BLADE BASE	124	118	14	386030	95.16
				118	14	386030	95.16
	1203	A.M. PRIDE	121	98	3	44570	80.99
				98	3	44570	80.99
	1206	SPEC A.M. PRIDE	102	116	2	14360	113.72
			102	107	6	74410	104.90
			102	106	2	25710	103.92
			102	105	4	34390	102.94
				107	14	148870	105.13
	1207	A.M. PRIDE	106	105	4	85710	99.05
				105	4	85710	99.05
	1208	A M PRIDE	110	115	2	44900	104.54
			110	107	1	2560	97.27
				115	3	47460	104.15
	1803	ALLIED PRIDE	121	105	2	3540	86.77
			121	97	2	36620	80.16
				98	4	40160	80.74
	1805	ALLIED PRIDE	110	105	5	88750	95.45
				105	5	88750	95.45
	2109	B.W. BIBLE	110	108	3	13230	98.18
				108	3	13230	98.18
	2210	IMPERIAL BIBLE EF NAT PUB	96	102	3	21840	106.25
				102	3	21840	106.25
	2240	LAWYERS WHITE OFFSET	110	112	10	209330	101.81
			110	108	2	37190	98.18
				111	12	246520	101.26
	2304	MERRIAM DICTIONARY	112	115	1	4820	102.67

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				115	1	4820	102.67
	2328	DICTIONARY TEXT	110	115	4	54080	104.54
				115	4	54080	104.54
	2513	IBM SUPERIOR OFFSET	110	106	1	13740	96.36
			110	105	1	10360	95.45
				106	2	24100	95.97
	2535	MANUAL OFFSET	110	105	2	41070	95.45
				105	2	41070	95.45
	2543	A.P. LIGHTWEIGHT	112	112	1	3900	100.00
			112	99	3	42680	88.39
				100	4	46580	89.36
	2545	A.P. LIGHTWEIGHT	110	108	2	14490	98.18
			110	104	4	116000	94.54
			110	93	1	2340	84.54
				104	7	132830	94.76
	3830	WHITE BOOKLITE	110	114	1	6320	103.63
			110	96	4	82980	87.27
				97	5	89300	88.43
	7100	K WWITE OFFSET	110	115	3	71030	104.54
				115	3	71030	104.54
	7101	K WHITE OFFSET	110	105	1	16320	95.45
				105	1	16320	95.45
	7102	K WHITE OFFSET	110	118	1	9420	107.27
			110	117	2	17760	106.36
			110	116	1	25750	105.45
			110	112	3	50870	101.81
			110	108	3	70440	98.18
			110	105	2	43120	95.45
			110	103	1	7350	93.63
			110	102	1	14130	92.72
			110	99	1	19460	90.00
			110	90	1	3240	81.81
				109	16	261540	98.80
	7104	K WWITE OFFSET	110	116	2	40280	105.45
			110	115	2	35490	104.54
			110	105	2	5790	95.45
				115	6	81560	104.34
	7200	RAVENSWOOD OPAQUE	110	113	3	78740	102.72

SA 865553

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				113	3	78740	102.72
	7202	RAVENSWOOD OPAQUE	110	105	1	10870	95.45
			110	100	2	17020	90.90
				102	3	27890	92.67
	7209	T L LIGHTWEIGHT	110	105	5	99490	95.45
				105	5	99490	95.45
				109	141	2416100	97.26

SH 865554

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 02,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	102	109	2	32930	106.86
				109	2	32930	106.86
	807	LAUREL TEXT	102	107	1	54130	104.90
				107	1	54130	104.90
	859	ALLIED MATTE	102	112	1	31300	109.80
			102	105	2	59310	102.94
			102	99	3	60720	97.05
			102	97	1	50240	95.09
				102	7	201570	100.27
	874	TYPE 904-B	102	108	1	15130	105.88
			102	102	2	12750	100.00
			102	101	1	13590	99.01
			102	95	1	12350	93.13
				102	5	53820	99.83
	876	MASTERBASE TYPE IV OT	102	116	2	68420	113.72
			102	115	12	414130	112.74
				115	14	482550	112.88
				110	29	825000	108.18

SH 86555

EDGE WALLBOARD MACHINERY CO.
P. O. Box 197 - Downingtown, Pa. 19335 • (215) 269-6280

JANUARY 1983

± 5 —	70.8 HRS	72070 (INCL CHOPPER 37250)
± 6 —	100 HRS	11930
± 9 —	28.5 HRS	83980
BLADE	9.5 HRS.	51040

	TONS	± HRS	
± 5 —	592	547.1	= 618
6 —	1730	565.2	= 575
7 —	1821	600.6	= 601
8 —	1551	617.3	= 617
9 —	1430	573.2	= 602
17 —	493	188.1	= 198

PROGRAM: N4PS7610 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 02/01/83 DAILY PRODUCTION SYSTEM
RUN TIME: 141528 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
5	50.00	1208	A M PRIDE	4.5	3.5	84.85	10152	10480		10480	103.23
5	30.00	1808	PRIDE OPAQUE	7.2	6.7	101.52	19126	17520	6260	11260	58.87
5	35.00	1805	ALLIED PRIDE	29.3	28.5	106.11	84385	85440		85440	101.25
5	20.00	2000	BRITE LITE THIN	42.7	40.1	102.45	58163	48610	3610	45000	77.37
5	22.00	2001	BRITE LITE THIN	20.4	19.9	106.42	38208	41860		41860	109.56
5	24.00	2002	BRITE LITE THIN	32.3	28.7	96.93	63229	71310	6440	64870	102.60
5	25.00	2003	BRITE LITE THIN	21.2	21.2	109.09	40449	44780		44780	110.71
5	30.00	2208	IMPERIAL BIBLE	7.0	6.7	104.42	17018	17440		17440	102.48
5	24.00	2210	IMPERIAL BIBLE EF NA	75.0	71.6	104.15	140216	142760	1250	141510	100.92
5	21.00	2225	NATO TEXT BIBLE 80	24.8	20.5	90.18	40735	41740		41740	102.47
5	21.00	2400	SHAKESPEARE THIN	.5							
5	30.00	2503	SOLITUDE OPAQUE	19.4	16.5	92.78	47775	43380	740	42640	89.25
5	40.00	2513	IBM SUPERIOR OFFSET	19.0	18.2	104.50	61371	55340		55340	90.17
5	20.00	2540	A P LIGHT WEIGHT								
5	21.00	2541	A P LIGHTWEIGHT TY Q	35.1	33.5	104.12	66569	61430		61430	92.28
5	22.00	2542	A P LIGHT WEIGHT	17.3	16.6	104.68	31232	34240	450	33790	108.19
5	30.00	2563	A.P. LIGHTWEIGHT	16.8	16.8	109.09	43470	43240		43240	99.47
5	30.00	3830	WHITE BOOKLITE	20.3	13.6	73.09	36269	37320		37320	102.90
5	35.00	3835	WHITE BOOK LITE	43.2	41.6	105.05	125521	109370		109370	87.13
5	21.50	6400	CIGARETTE TIPPING -	146.7	142.9	106.27	211361	204940	1700	203240	96.16
	26.82	1834	MACH TOTAL 1.09091	582.7	547.1	102.43	1135249	1111200	20450	1090750	96.04
6	40.00	1206	SPEC A.M. PRIDE	1.7	1.5	96.26	8589	9440		9440	109.91
6	45.00	1207	A.M. PRIDE	2.7	2.0	80.81	12767	14480		14480	113.42
6	50.00	1208	A M PRIDE	29.1	26.1	97.84	184588	189380	7740	181640	98.40
6	60.00	1210	GENERIC OFFSET	14.9	13.9	101.77	99134	112260	620	111640	112.62
6	48.00	1528	AW J OFFSET	5.7	5.5	105.26	34933	40500		40500	115.94
6	35.00	2504	SOLITUDE OPAQUE								
6	40.00	2513	IBM SUPERIOR OFFSET	24.3	23.0	103.25	134044	152590	8460	144130	107.52
6	40.00	2535	MANUAL OFFSET	113.7	93.8	90.00	549476	589570	1150	588420	107.09
6	40.00	3000	SUPERIOR OFFSET								
6	50.00	3002	SUPERIOR OFFSET								
6	35.00	3835	WHITE BOOK LITE	23.4	22.4	104.43	116032	117570		117570	101.33
6	39.50	5200	TABLET INTERCO	71.0	67.3	103.41	370220	414300	2030	412270	111.36
6	40.00	7100	K WHITE OFFSET	8.2	7.5	99.78	43889	43460		43460	99.02
6	45.00	7101	K WHITE OFFSET	35.6	31.1	95.30	198541	225860	6720	219140	110.38
6	50.00	7102	K WHITE OFFSET	97.9	89.3	99.51	621642	654010	12080	641930	103.26
6	60.00	7104	K WHITE OFFSET	35.9	27.4	83.26	200899	224120	2880	221240	110.12
6	40.00	7200	RAVENSWOOD OPAQUE	18.3	14.1	84.05	82512	83860		83860	101.63
6	45.00	7201	RAVENSWOOD OPAQUE	1.5	1.3	94.55	8299	9720		9720	117.12
6	50.00	7202	RAVENSWOOD OPAQUE	13.7	9.1	72.46	61344	66070		66070	107.70
6	60.00	7204	RAVENSWOOD OPAQUE	3.6	2.7	81.82	20090	14960		14960	74.46
6	29.50	9001	DUPONT PAPER (BLUE)	90.0	79.8	96.73	295260	303960		303960	102.91
6	29.50	9010	BLUE GREEN DUPONT PA	48.0	47.4	107.73	175380	181760		181760	103.64
	43.42	(2.60)	MACH TOTAL 1.09091	639.2	565.2	96.46	3217639	3447770	41680	3406090	105.86

86557

PROGRAM: N4PS7610 — S C M A L L I E D P A P E R I N C. — PAGE 2
RUN DATE: 02/01/83 — DAILY PRODUCTION SYSTEM
RUN TIME: 141528 — PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
1											
1 0 80	39.38	(188)	MILL C TOTAL	1221.91	112.3	99.31	4352888	4558970	62130	4496840	103.31
7	30.00	1100	E. B. NEW SHADE	53.0	47.9	98.59	210201	219270		219270	104.31
7	40.00	1206	SPEC A.M. PRIDE	8.0	6.7	91.36	34989	36520		36520	104.34
7	50.00	1208	A M PRIDE	18.2	17.9	107.29	97715	101930		101930	104.31
7	30.00	1800	PRIDE OPAQUE						2500	2580-	
7	33.00	1803	ALLIED PRIDE	25.2	23.6	102.16	98553	104930		104930	106.47
7	22.00	2001	BRITE LITE THIN								
7	21.00	2006	BRITE LITE THIN								
7	35.00	2104	BRITISH OPAQUE	2.2	2.0	99.17	9662	10660		10660	110.33
7	25.00	2200	IMPERIAL BIBLE	68.9	61.2	96.90	195840	214380	2600	211780	108.14
7	30.00	2202	IMPERIAL BIBLE								
7	24.00	2210	IMPERIAL BIBLE EF NA	16.5	15.3	101.16	42594	43600	3110	40490	95.05
7	20.00	2222	NATO TEXT 80 BIBLE								
7	21.00	2223	NATO TEXT BIBLE 80								
7	35.00	2231	ALLIED SPECIAL BIBLE	22.5	18.0	87.27	81690	74180	6470	67710	82.89
7	38.00	2405	SHAKESPEARE THIN	25.0	22.4	97.75	89751	88130	1540	86590	96.48
7	22.00	2500	SOLITUDE OPAQUE	24.0	21.9	99.55	57393	57090		57090	99.47
7	35.00	2501	SOLITUDE OPAQUE	33.6	30.0	97.40	96000	105520	7620	97900	101.98
7	38.00	2503	SOLITUDE OPAQUE	11.5	10.7	101.50	38788	41250		41250	106.35
7	26.00	2526	SOLITUDE OPAQUE	34.5	32.1	101.50	104325	117620	1690	115930	111.12
7	40.00	2535	MANUAL OFFSET	12.1	11.0	99.17	44351	51730		51730	116.64
7	20.00	2540	A P LIGHT WEIGHT	8.0	7.6	103.64	15144	12400		12400	81.88
7	22.00	2542	A P LIGHT WEIGHT	92.9	86.7	101.81	223277	240690	6520	234170	104.88
7	30.00	2543	A.P. LIGHTWEIGHT	33.2	32.1	105.48	130658	142320	5350	136970	104.83
7	26.00	2546	A.P. LIGHTWEIGHT	18.3	18.1	107.90	56247	63340	970	62370	110.89
7	50.00	2901	BW G OFFSET	8.5	8.3	106.52	42545	49460		49460	116.25
7	60.00	2902	GPO LOT 21	7.7	7.2	102.01	43952	45500		45500	103.52
7	30.00	3830	WHITE BOOKLITE	15.8	11.8	81.47	46153	42070		42070	91.15
7	40.00	7100	K WHITE OFFSET	26.5	25.4	104.56	128612	132240	2600	129640	100.80
7	45.00	7101	K WHITE OFFSET	12.3	11.0	97.56	59824	63760	3840	59920	100.16
1 7	50.00	7102	K WHITE OFFSET	68.6	65.9	104.80	345941	388610	4010	384600	111.18
7	60.00	7104	K WHITE OFFSET	4.3	4.0	101.48	24976	25430	950	24480	98.01
7	40.00	7200	RAVENSWOOD OPAQUE	2.2	1.8	89.26	8847	9600		9600	108.51
3.082	34.74	(197)	MACH TOTAL 1.09091	653.5	600.6	100.26	2328028	2482230	49850	2432380	104.48
8	45.00	1009	Q.P. OFFSET	32.3	30.9	104.36	163444	162950		162950	99.70
8	40.00	1206	SPEC A.M. PRIDE	30.4	28.3	101.56	121289	132970		132970	109.63
8	50.00	1208	A M PRIDE	59.4	56.4	103.58	312556	309120		309120	98.90
8	60.00	1210	GENERIC OFFSET	31.7	28.9	99.46	157360	167710		167710	106.58
8	30.00	1800	PRIDE OPAQUE								
8	30.00	2102	BRITISH OPAQUE	12.6	11.1	96.10	38289	35900		35900	93.76
8	30.00	2240	LAWYERS WHITE OFFSET	42.8	37.7	96.09	125404	134730		134730	107.44
8	35.00	2241	LAWYERS OFFSET								
8	40.00	2535	MANUAL OFFSET	17.0	16.8	107.81	72981	85500		85500	117.15
8	50.00	2536	I B M MANUAL	8.0	7.8	106.36	42096	44610		44610	105.97

SB 86558

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
8	35.00	2545	A.P. LIGHTWEIGHT	28.2	24.5	94.78	92230	86940	1180	85760	92.98
8	33.00	2552	A.P. LIGHTWEIGHT VEL	25.7	23.5	99.75	85493	70830		70830	82.85
8	50.00	2961	BW G OFFSET								
8	40.00	7000	CALENDAR PAD OFFSET	10.4	9.1	95.45	42118	42600		42600	101.14
8	40.00	7100	K WHITE OFFSET	59.5	58.0	106.34	259037	273370	3360	270010	104.24
8	45.00	7101	K WHITE OFFSET	114.7	109.3	103.96	557740	578190	11070	567120	101.68
8	50.00	7102	K WHITE OFFSET	87.6	82.8	103.11	469212	485100		485100	103.39
8	55.00	7103	K WHITE OFFSET	9.5	5.9	67.75	32527	30410		30410	93.49
8	60.00	7104	K WHITE OFFSET	41.8	40.4	105.44	215935	238900		238900	110.64
8	70.00	7105	K WHITE OFFSET	4.7	4.4	102.13	24996	28650		28650	114.62
8	80.00	7107	K WHITE OFFSET	3.2	2.4	81.82	11390	12910		12910	113.35
8	50.00	7122	BW K OFFSET - ANTIQU	2.7	2.4	96.97	13938	15630		15630	112.14
8	55.00	7123	BW K OFFSET - ANTIQU	4.5	4.2	101.82	19686	21580		21580	109.62
8	40.00	7200	RAVENSWOOD OPAQUE	33.3	32.5	106.47	140932	163790		163790	116.22
4821	46.37	154	MACH TOTAL 1.09091	660.0	617.3	102.03	2998653	3122390	15610	3106780	103.61
9	38.00	203	LAUREL TEXT - RS	38.9	34.9	97.87	149294	169220	1660	167560	112.23
9	35.00	259	ALLIED MATTE BASE	36.2	32.7	98.54	125723	140460		140460	111.72
9	64.00	271	TYPE IV BASE STOCK D	6.4	4.9	83.52	23872	26290		26290	110.13
9	55.00	274	TYPE 904-B R.S.	42.9	39.5	100.45	201485	191970		191970	95.28
9	60.00	276	TYPE IV E DT BLADE B	108.2	96.5	97.29	464585	492390	5125	487265	104.88
9	45.00	1000	Q.P. OFFSET	10.8	6.4	64.65	31080	30690		30690	98.75
9	33.00	1202	SPECIAL AM PRIDE	12.9	11.6	98.10	40681	42690		42690	104.94
9	40.00	1206	SPEC A.M. PRIDE	30.2	28.3	102.23	120956	142070		142070	117.46
9	50.00	1208	A M PRIDE	2.6	2.2	92.31	9768	11680		11680	119.57
9	60.00	1210	GENERIC OFFSET	4.6	4.3	101.98	21039	19650		19650	93.40
9	24.00	2210	IMPERIAL BIBLE EF NA								
9	30.00	2240	LAWYERS WHITE OFFSET	103.5	89.9	94.76	317017	328610	1000	327610	103.34
9	40.00	2535	MANUAL OFFSET	9.3	8.9	104.40	36818	42330		42330	114.97
9	35.00	2545	A.P. LIGHTWEIGHT	4.7	4.0	92.84	14524	15920		15920	109.61
9	50.00	2961	BW G OFFSET	2.8	2.4	93.51	11188	15300		15300	136.75
9	35.00	3535	RANKOTE II (SCHOOLCO								
9	40.00	7100	K WHITE OFFSET	6.5	5.6	93.99	22874	22370	1140	21230	92.81
9	45.00	7101	K WHITE OFFSET	61.8	58.6	103.44	262741	287720		287720	109.51
9	50.00	7102	K WHITE OFFSET	109.4	102.0	101.71	492913	576340	4330	572010	116.05
9	60.00	7104	K WHITE OFFSET	18.9	18.3	105.63	89480	106340		106340	119.84
9	50.00	7122	BW K OFFSET - ANTIQU	14.5	13.9	104.58	67450	71350		71350	105.78
9	50.00	7202	RAVENSWOOD OPAQUE	8.9	8.3	101.74	38693	42770		42770	110.54
4630	47.18	88	MACH TOTAL 1.09091	634.0	573.2	98.63	2542181	2776160	13255	2762905	108.68
1330	43.20	10	MILL D TOTAL	1947.5	1791.1	100.33	7868862	8380780	78715	8302065	105.51
4016	41.85	31	BOOK MILL TOTAL	3169.4	2903.4	99.94	12221750	12939750	140845	12798905	104.72
17	45.00	802	LAUREL TEXT								
17	50.00	803	LAUREL TEXT	24.3	20.6	93.54	176522	170800		170800	96.76

SA 86559

PROGRAM: N4PS7610 S C M A L L I E D P A P E R I N C. PAGE 4
RUN DATE: 02/01/83 DAILY PRODUCTION SYSTEM
RUN TIME: 141528 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
17	55.00	853	H W MASTER - NON BLE						1640	1640-	
17	58.00	859	ALLIED MATTE	25.4	19.5	84.71	167483	161460		161460	96.40
17	90.00	871*	MASTERBASE TYPE V LT	6.5	6.5	110.35	30115	25990	1500	24490	81.32
17	70.00	874*	TYPE 904-B	28.9	26.1	99.65	93891	78965		78965	84.10
17	87.50	876*	MASTERBASE TYPE IV D	123.9	115.4	102.77	449602	498275	8910	489365	108.84
	50.00		BLADE SUBTOTAL	49.7	40.1	89.03	344005	332260	1640	330620	96.11
	86.36		*BLADE SUBTOTAL	159.3	148.0	102.52	573608	603230	10410	592820	103.35
78.14	73.45		BLADE COATER 1.10345	209.0	188.1	99.31	917613	935490	12050	923440	100.64
	42.05		GRAND SUBTOTAL	3219.1	2943.5	99.77	12565755	13272010	142485	13129525	104.49
	86.36		*GRAND SUBTOTAL	159.3	148.0	102.52	573608	603230	10410	592820	103.35
43.69	43.98		GRAND TOTAL	3378.4	3091.5	99.90	13139363	13875240	152895	13722345	104.44

.7%

69.59

SA 865560

11.21.29 JOB 1399 $HASP000 J4PS03A4 RELEASED

SA 0655G1

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J4PS03A

J1399   F

****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
****F  START  JOB 1399  J4PS03A4  KAL   ROOM   11.21.47 AM 02 FEB 83  RB.PR1   SYS P033
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065562 5A

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 02/01/83 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1208	A M PRIDE	420	400	1	680	95.23
			420	510	1	9800	121.42
				503	2	10480	119.72
	1800	PRIDE OPAQUE	600	580	1	6980	96.66
			600	600	1	10540	100.00
				592	2	17520	98.67
	1805	ALLIED PRIDE	570	550	2	20500	96.49
			570	560	4	64940	98.24
				558	6	85440	97.82
	2000	BRITE LITE THIN	620	660	4	23890	106.45
			620	670	3	24720	108.06
				665	7	48610	107.27
	2001	BRITE LITE THIN	620	660	4	41860	106.45
				660	4	41860	106.45
	2002	BRITE LITE THIN	600	660	3	43390	110.00
			600	700	3	27920	116.66
				676	6	71310	112.61
	2003	BRITE LITE THIN	600	640	4	44780	106.66
				640	4	44780	106.66
	2202	IMPERIAL BIBLE	600	600	2	17440	100.00
				600	2	17440	100.00
	2210	IMPERIAL BIBLE EF NAT PUB	600	500	1	4310	83.33
			600	630	9	138450	105.00
				626	10	142760	104.35
	2223	NATO TEXT BIBLE 80	620	620	1	7720	100.00
			620	660	2	17310	106.45
			620	670	1	1900	108.06
			620	680	1	14810	109.67
				660	5	41740	106.47
	2406	SHAKESPEARE THIN	600		1		
					1		
	2503	SOLITUDE OPAQUE	600	580	4	43380	96.66
				580	4	43380	96.66
	2513	IBM SUPERIOR OFFSET	540	500	3	49100	92.59
			540	510	1	6240	94.44
				501	4	55340	92.80

SA 06563

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2541	A P LIGHTWEIGHT TY QPA	620	660	5	61430	106.45
				660	5	61430	106.45
	2542	A P LIGHT WEIGHT	620	670	4	34240	108.06
				670	4	34240	108.06
	2543	A.P. LIGHTWEIGHT	600	580	4	43240	96.66
				580	4	43240	96.66
	3830	WHITE BOOKLITE	600	500	1	15250	83.33
			600	600	3	22070	100.00
				559	4	37320	93.19
	3835	WHITE BOOK LITE	570	530	5	98650	92.98
			570	660	1	10720	115.78
				543	6	109370	95.21
	6400	CIGARETTE TIPPING - CORK	500	500	20	198700	100.00
			500	630	1	6240	126.00
				504	21	204940	100.79
				587	101	1111200	101.87

SP 865564

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 4
RUN DATE: 02/01/83 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1206	SPEC A.M. PRIDE	740	780	1	9440	105.40
				780	1	9440	105.40
	1207	A.M. PRIDE	720	680	1	1500	94.44
			720	760	1	12980	105.55
				752	2	14480	104.40
	1208	A M PRIDE	700	720	2	16200	102.85
			700	730	2	24230	104.28
			700	750	6	127990	107.14
			700	780	1	20960	111.42
				748	11	189380	106.88
	1210	GENERIC OFFSET	620	680	3	101830	109.67
			620	780	1	10430	125.80
				689	4	112260	111.17
	1528	BW J OFFSET	700	750	1	40500	107.14
				750	1	40500	107.14
	2513	IBM SUPERIOR OFFSET	740	600	1	16480	81.08
			740	780	10	136110	105.40
				761	11	152590	102.77
	2535	MANUAL OFFSET	740		1		
			740	780	22	589570	105.40
				780	23	589570	105.40
	3835	WHITE BOOK LITE	750	780	5	117570	104.00
				780	5	117570	104.00
	5200	TABLET INTERCO	750	780	13	414300	104.00
				780	13	414300	104.00
	7100	K WHITE OFFSET	740	780	4	43460	105.40
				780	4	43460	105.40
	7101	K WHITE OFFSET	720	780	6	225860	108.33
				780	6	225860	108.33
	7102	K WHITE OFFSET	700		1		
			700	250	1	3920	35.71
			700	720	1	20840	102.85
			700	730	5	133580	104.28
			700	740	1	3060	105.71
			700	750	17	411650	107.14
			700	780	2	80960	111.42
				746	28	654010	106.51

SH 095565

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7104	K WHITE OFFSET	620	650	5	160320	104.83
			620	660	2	25300	106.45
			620	750	1	38500	120.96
				668	8	224120	107.78
	7200	RAVENSWOOD OPAQUE	740	780	3	93860	105.40
				780	3	83860	105.40
	7201	RAVENSWOOD OPAQUE	720	750	1	9720	104.16
				750	1	9720	104.16
	7202	RAVENSWOOD OPAQUE	700	750	3	66070	107.14
				750	3	66070	107.14
	7204	RAVENSWOOD OPAQUE	620	650	1	14960	104.83
				650	1	14960	104.83
	9001	DUPONT PAPER (BLUE)	600	600	8	215880	100.00
			600	620	4	87980	103.33
				606	12	303860	100.96
	9010	BLUE GREEN DUPONT PAPER	600	600	1	30670	100.00
			600	620	5	151090	103.33
				617	6	181760	102.77
				735	143	3447770	105.41

SA 865566

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1100	E. B. NEW SHADE	750	770	8	219270	102.66
				770	8	219270	102.66
	1206	SPEC A.M. PRIDE	680	700	2	36520	102.94
				700	2	36520	102.94
	1204	A M PRIDE	580	630	5	101930	108.62
				630	5	101930	108.62
	1803	ALLIED PRIDE	750	780	4	104930	104.00
				780	4	104930	104.00
	2104	BRITISH OPAQUE	740	770	1	10660	104.05
				770	1	10660	104.05
	2200	IMPERIAL BIBLE	710		1		
			710	760	1	12020	107.04
			710	780	8	202360	109.85
				779	10	214380	109.69
	2210	IMPERIAL BIBLE EF NAT PUB	710	700	1	8720	98.59
			710	750	2	34880	105.63
				740	3	43600	104.22
	2231	ALLIED SPECIAL BIBLE	740	760	2	47630	102.70
			740	770	2	26550	104.05
				764	4	74180	103.18
	2405	SHAKESPEARE THIN	750		1		
			750	740	1	33390	98.66
			750	780	3	54740	104.00
				765	5	88130	101.98
	2500	SOLITUDE OPAQUE	670	750	3	57090	111.94
				750	3	57090	111.94
	2501	SOLITUDE OPAQUE	710	750	5	105520	105.63
				750	5	105520	105.63
	2503	SOLITUDE OPAQUE	750	780	3	41250	104.00
				780	3	41250	104.00
	2526	SOLITUDE OPAQUE	710	750	8	117620	105.63
				750	8	117620	105.63
	2535	MANUAL OFFSET	680	750	2	36390	110.29
			680	770	1	15340	113.23
				756	3	51730	111.16

SA 065567

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2540	A P LIGHT WEIGHT	670	730	2	12400	108.95
				730	2	12400	108.95
	2542	A P LIGHT WEIGHT	670	620	1	13390	92.53
			670	730	1	5140	108.95
			679	750	11	222160	111.94
				742	13	240690	110.80
	2543	A.P. LIGHTWEIGHT	750	790	2	45660	105.33
			750	800	3	96660	106.66
				797	5	142320	106.23
	2546	A.P. LIGHTWEIGHT	710	750	5	63340	105.63
				750	5	63340	105.63
	2961	AW G OFFSET	580	600	3	49460	103.44
				600	3	49460	103.44
	2962	GPO LOT 21	550	570	3	45500	103.63
				570	3	45500	103.63
	3930	WHITE BOOKLITE	750	780	3	42070	104.00
				780	3	42070	104.00
	7100	K WHITE OFFSET	680	700	3	61560	102.94
			680	725	1	27160	106.61
			680	750	3	43520	110.29
				722	7	132240	106.11
	7101	K WHITE OFFSET	630	630	1	13880	100.00
			630	670	2	49980	106.34
				661	3	63760	104.96
	7102	K WHITE OFFSET	580		1		
			580	600	1	17720	103.44
			580	610	2	62620	105.17
			580	620	11	266470	106.89
			580	630	2	41800	108.62
				619	17	388610	106.64
	7104	K WHITE OFFSET	550	590	2	25430	107.27
				590	2	25430	107.27
	7200	RAVENSWOOD OPAQUE	680	730	1	9600	107.35
				730	1	9600	107.35
				721	128	2452230	106.37

SA 865568

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1000	Q.P. OFFSET	730	740	1	6650	101.36
			730	750	6	156300	102.73
				750	7	162950	102.67
	1206	SPEC A.M. PRIDE	720	730	1	8350	101.38
			720	750	1	24360	104.16
			720	770	5	100260	106.94
				764	7	132970	106.09
	1208	A M PRIDE	730	690	3	55110	94.52
			730	710	1	25560	97.26
			730	720	6	87130	98.63
			730	740	3	55560	101.36
			730	750	3	85760	102.73
				726	16	309120	99.41
	1210	GENERIC OFFSET	590	600	4	54510	101.69
			590	620	4	78010	105.08
			590	630	2	35190	106.77
				616	10	167710	104.33
	2102	BRITISH OPAQUE	730	620	1	3300	84.93
			730	770	2	32600	105.47
				756	3	35900	103.58
	2240	LAWYERS WHITE OFFSET	730	760	6	134730	104.10
				760	6	134730	104.10
	2535	MANUAL OFFSET	720	760	2	73800	105.55
			720	770	1	11700	106.94
				761	3	85500	105.74
	2536	I B M MANUAL	730	740	2	44610	101.36
				740	2	44610	101.36
	2545	A.P. LIGHTWEIGHT	730	770	2	22440	105.47
			730	780	5	64500	106.84
				777	7	86940	106.49
	2552	A.P. LIGHTWEIGHT VELLUM	730	770	2	34200	105.47
			730	780	3	36630	106.84
				775	5	70830	106.18
	7000	CALENDAR PAD OFFSET	720	750	2	42600	104.16
				750	2	42600	104.16
	7100	K WHITE OFFSET	720	740	4	42660	102.77
			720	750	2	45060	104.16
			720	760	9	185650	105.55

SA 065569

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				755	15	273370	104.89
	7101	K WHITE OFFSET	730	740	4	107500	101.36
			730	750	15	374080	102.73
			730	760	3	96610	104.10
				750	22	578190	102.70
	7102	K WHITE OFFSET	730		1		
			730	700	2	21120	95.89
			730	720	4	38240	98.63
			730	730	16	252430	100.00
			730	740	3	73700	101.36
			730	750	3	99610	102.73
				734	29	485100	100.48
	7103	K WHITE OFFSET	650		1		
			650	650	1	7260	100.00
			650	660	2	13350	101.53
			650	680	1	9800	104.61
				664	5	30410	102.16
	7104	K WHITE OFFSET	590	600	7	126300	101.69
			590	610	1	2850	103.38
			590	615	1	22830	104.23
			590	620	4	46540	105.08
			590	630	2	40380	106.77
				611	15	238900	103.47
	7105	K WHITE OFFSET	500	530	1	28650	106.00
				530	1	28650	106.00
	7107	K WHITE OFFSET	400	400	2	12910	100.00
				400	2	12910	100.00
	7122	BW K OFFSET - ANTIQUE	730	720	2	15630	98.63
				720	2	15630	98.63
	7123	BW K OFFSET - ANTIQUE	650	650	1	21580	100.00
				650	1	21580	100.00
	7200	RAVENSWOOD OPAQUE	720	760	6	163790	105.55
				760	6	163790	105.55
				726	166	3122390	102.97

SA 865570

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 9
RUN DATE: 02/01/83 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01.1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	720	760	8	169220	105.55
				760	8	169220	105.55
	259	ALLIED MATTE BASE	720	760	5	124060	105.55
			720	770	2	16400	106.94
				761	7	140460	105.71
	271	TYPE IV BASE STOCK DRY TON	450	460	2	26290	102.22
				460	2	26290	102.22
	274	TYPE 904-B R.S.	580	500	3	90800	86.20
			580	540	1	23400	93.10
			580	550	4	57920	94.82
			580	560	1	19850	96.55
				526	9	191970	90.71
	276	TYPE IV E DT BLADE BASE	500		1		
			500	460	1	6720	92.00
			500	500	9	220450	100.00
			500	510	1	5740	102.00
			500	525	1		105.00
			500	530	7	214660	106.00
			500	550	1	44820	110.00
				517	21	492390	103.44
	1000	O.P. OFFSET	670	720	2	30690	107.46
				720	2	30690	107.46
	1202	SPECIAL AM PRIDE	720		1		
			720	780	2	42690	108.33
				780	3	42690	108.33
	1206	SPEC A.M. PRIDE	700	740	6	142070	105.71
				740	6	142070	105.71
	1208	A M PRIDE	630	700	1	11680	111.11
				700	1	11680	111.11
	1210	GENERIC OFFSET	550	650	1	1500	118.18
			550	660	1	18150	120.00
				659	2	19650	119.86
	2240	LAWYERS WHITE OFFSET	720	750	3	64200	104.16
			720	760	4	64840	105.55
			720	770	7	199570	106.94
				764	14	328610	106.12
	2535	MANUAL OFFSET	700	760	2	42330	108.57
				760	2	42330	108.57

SP 026571

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2545	A.P& LIGHTWEIGHT	720	750	2	15920	104.16
				750	2	15920	104.16
	2961	BW 0 OFFSET	630	700	1	15300	111.11
				700	1	15300	111.11
	7100	K WHITE OFFSET	700		1	4130	
			700	750	1	13240	107.14
				612	2	22370	87.36
	7101	K WHITE OFFSET	670	730	1	12320	108.95
			670	740	11	234570	110.44
			670	750	2	40830	111.94
				741	14	287720	110.59
	7102	K WHITE OFFSET	630		1		
			630	660	2	42630	104.76
			630	700	8	105970	111.11
			630	710	4	102090	112.69
			630	730	12	281780	115.87
			630	750	1	43870	119.04
				717	28	576340	113.85
	7104	K WHITE OFFSET	550	640	2	69530	116.36
			550	660	1	3900	120.00
			550	670	1	29070	121.81
			550	680	1	3840	123.63
				650	5	106340	118.25
	7122	BW K OFFSET - ANTIQUE	630	670	2	46120	106.34
			630	760	1	25230	120.63
				702	3	71350	111.39
	7202	RAVENSWOOD OPAQUE	630	660	2	42770	104.76
				660	2	42770	104.76
				677	134	2776160	107.18

SA 065572

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	1300		5	170800	
					5	170800	
	859	ALLIED MATTE	1300		4	161460	
					4	161460	
	871	MASTERBASE TYPE V LTHW-S	350		2	25990	
					2	25990	
	874	TYPE 904-B	325		6	78965	
					6	78965	
	876	MASTERBASE TYPE IV DT	320		19	498275	
					19	498275	
					36	935490	

SH 865523

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 02/01/83 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1208	A M PRIDE	110	98	2	10480	89.09
				98	2	10480	89.09
	1800	PRIDE OPAQUE	110	115	1	10540	104.54
			110	108	1	6980	98.18
				112	2	17520	102.01
	1805	ALLIED PRIDE	105	105	6	85440	100.00
				105	6	85440	100.00
	2000	BRITE LITE THIN	110	113	1	1630	102.72
			110	90	1	1960	81.81
			110	79	5	45020	71.81
				81	7	48610	73.25
	2001	BRITE LITE THIN	110	100	4	41860	90.90
				100	4	41860	90.90
	2002	BRITE LITE THIN	110	108	6	71310	98.18
				108	6	71310	98.18
	2003	BRITE LITE THIN	110	90	4	44780	81.81
				90	4	44780	81.81
	2202	IMPERIAL BIBLE	110	100	2	17440	90.90
				100	2	17440	90.90
	2210	IMPERIAL BIBLE EF NAT PUB	96	96	10	142760	100.00
				96	10	142760	100.00
	2223	NATO TEXT BIBLE 80	102	108	5	41740	105.88
				108	5	41740	105.88
	2406	SHAKESPEARE THIN	110	105	1		95.45
					1		
	2503	SOLITUDE OPAQUE	110	114	4	43380	103.63
				114	4	43380	103.63
	2513	IBM SUPERIOR OFFSET	110	114	3	49100	103.63
			110	98	1	6240	89.09
				112	4	55340	101.99
	2541	A P LIGHTWEIGHT TY OPA	116	108	5	61430	93.10
				108	5	61430	93.10
	2542	A P LIGHT WEIGHT	105	98	4	34240	93.33
				98	4	34240	93.33

SA 065574

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2543	A.P. LIGHTWEIGHT	112	108	1	6160	96.42
			112	101	3	37080	90.17
				102	4	43240	91.06
	3830	WHITE BOOKLITE	102	105	4	37320	102.94
				105	4	37320	102.94
	3435	WHITE BOOK LITE	105	107	6	109370	101.90
				107	6	109370	101.90
	6400	CIGARETTE TIPPING - CORK	114	100	7	61360	87.71
			114	99	4	45860	86.84
			114	97	6	58600	85.08
			114	92	4	39120	80.70
				97	21	204940	85.43
				102	101	1111200	94.55

SA 065575

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1206	SPEC A.M. PRIDE	142	137	1	9440	96.47
				137	1	9440	96.47
	1207	A.M. PRIDE	142	140	2	14480	98.59
				140	2	14480	98.59
	1209	A M PRIDE	148	147	2	40440	99.32
			148	144	2	37640	97.29
			148	142	5	87070	95.94
			148	140	2	24230	94.59
				143	11	189380	96.76
	1210	GENERIC OFFSET	142	137	1	10430	96.47
			142	136	3	101830	95.77
				136	4	112260	95.84
	1528	BW J OFFSET	106	134	1	40500	126.41
				134	1	40500	126.41
	2513	IBM SUPERIOR OFFSET	140	147	1	8460	105.00
			140	142	4	39640	101.42
			140	140	3	46840	100.00
			140	137	2	49350	97.85
			140	131	1	8300	93.57
				139	11	152590	99.60
	2535	MANUAL OFFSET	140	142	2	40190	101.42
			140	140	21	549380	100.00
				140	23	589570	100.10
	3835	WHITE BOOK LITE	138	140	5	117570	101.44
				140	5	117570	101.44
	5200	TABLET INTERCO	142	147	2	63140	103.52
			142	145	3	131610	102.11
			142	123	2	18940	86.61
			142	121	6	200610	85.21
				133	13	414300	93.43
	7100	K WHITE OFFSET	142	140	4	43460	98.59
				140	4	43460	98.59
	7101	K WHITE OFFSET	142	140	6	225860	98.59
				140	6	225860	98.59
	7102	K WHITE OFFSET	142	146	6	158760	102.81
			142	145	3	42890	102.11
			142	142	2	24040	100.00
			142	141	2	43040	99.29

SA 065576

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			142	140	10	334220	98.59
			142	138	2	4840	97.18
			142	128	3	46220	90.14
				141	28	654010	99.34
	7104	K WHITE OFFSET	142	140	7	214620	98.59
			142	138	1	9500	97.18
				140	8	224120	98.53
	7200	RAVENSWOOD OPAQUE	140	140	3	83860	100.00
				140	3	83860	100.00
	7201	RAVENSWOOD OPAQUE	140	140	1	9720	100.00
				140	1	9720	100.00
	7202	RAVENSWOOD OPAQUE	140	142	1	11710	101.42
			140	135	2	54360	96.42
				136	3	66070	97.31
	7204	RAVENSWOOD OPAQUE	140	142	1	14960	101.42
				142	1	14960	101.42
	9001	DUPONT PAPER (BLUE)	148	148	12	303860	100.00
				148	12	303860	100.00
	9010	BLUE GREEN DUPONT PAPER	148	148	6	181760	100.00
				148	6	181760	100.00
				140	143	3447770	98.86

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1100	E. B. NEW SHADE	138	138	8	219270	100.00
				138	8	219270	100.00
	1206	SPEC A.M. PRIDE	138	136	2	36520	98.55
				136	2	36520	98.55
	1208	A M PRIDE	136	138	2	21600	101.47
			136	136	2	39590	100.00
			136	129	1	40740	94.85
				134	5	101930	98.25
	1903	ALLIED PRIDE	136	120	4	104930	88.23
				120	4	104930	88.23
	2104	BRITISH OPAQUE	134	132	1	10660	98.50
				132	1	10660	98.50
	2200	IMPERIAL BIBLE	128	128	10	214380	100.00
				128	10	214380	100.00
	2210	IMPERIAL BIBLE EF NAT PUB	128	116	3	43600	90.62
				116	3	43600	90.62
	2231	ALLIED SPECIAL BIBLE	136	124	4	74180	91.17
				124	4	74180	91.17
	2405	SHAKESPEARE THIN	132	126	5	88130	95.45
				126	5	88130	95.45
	2500	SOLITUDE OPAQUE	133	126	3	57090	94.73
				126	3	57090	94.73
	2501	SOLITUDE OPAQUE	134	128	5	105520	95.52
				128	5	105520	95.52
	2503	SOLITUDE OPAQUE	134	114	3	41250	85.07
				114	3	41250	85.07
	2526	SOLITUDE OPAQUE	134	125	8	117620	93.28
				125	4	117620	93.28
	2535	MANUAL OFFSET	134	105	3	51730	78.35
				105	3	51730	78.35
	2540	A P LIGHT WEIGHT	105	106	2	12400	100.95
				106	2	12400	100.95
	2542	A P LIGHT WEIGHT	133	124	12	235550	93.23
			133	116	1	514	87.21

SH 865578

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 02/01/83 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01.1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				124	13	240690	93.10
	2543	A.P. LIGHTWEIGHT	138	128	5	142320	92.75
				128	5	142320	92.75
	2546	A.P. LIGHTWEIGHT	105	125	2	19950	119.04
			105	124	3	43390	118.09
				124	5	63340	118.39
	2961	RW 8 OFFSET	136	132	1	9920	97.05
			136	124	2	39540	91.17
				126	3	49460	92.35
	2962	GPO LOT 21	134	131	3	45500	97.76
				131	3	45500	97.76
	3830	WHITE BOOKLITE	134	123	3	42070	91.79
				123	3	42070	91.79
	7100	K WHITE OFFSET	136	137	1	27160	100.73
			136	136	2	25730	100.00
			136	135	1	17790	99.26
			136	128	3	61560	94.11
				132	7	132240	97.31
	7101	K WHITE OFFSET	136	138	2	49880	101.47
			136	130	1	13880	95.58
				136	3	63760	100.19
	7102	K WHITE OFFSET	136	138	1	15780	101.47
			136	136	4	111460	100.00
			136	135	3	45200	99.26
			136	130	2	53160	95.58
			136	129	1	17720	94.85
			136	121	3	83940	88.97
			136	120	1	20400	88.23
			136	119	2	40950	87.50
				129	17	388610	94.82
	7104	K WHITE OFFSET	136	134	2	25430	98.52
				134	2	25430	98.52
	7200	RAVENSWOOD OPAQUE	136	128	1	9600	94.11
				128	1	9600	94.11
				123	128	2482230	95.55

SH 865579

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1000	Q.P. OFFSET	114	114	7	162950	100.00
				114	7	162950	100.00
	1206	SPEC A.M. PRIDE	105	115	1	8350	109.52
			105	105	6	124620	100.00
				106	7	132970	100.50
	1208	A M PRIDE	106	120	1	22200	113.20
			106	114	2	41940	107.54
			106	111	1	17500	104.71
			106	108	3	85760	101.88
			106	105	2	19920	99.05
			106	104	7	121800	98.11
				108	15	309120	101.95
	1210	GENERIC OFFSET	105	116	2	49780	110.47
			105	113	1	16920	107.61
			105	105	5	74760	100.00
			105	104	2	26250	99.04
				109	10	167710	103.73
	2102	BRITISH OPAQUE	110	112	3	35900	101.81
				112	3	35900	101.81
	2240	LAWYERS WHITE OFFSET	116	108	6	134730	93.10
				108	6	134730	93.10
	2535	MANUAL OFFSET	110	107	3	85500	97.27
				107	3	85500	97.27
	2536	I B M MANUAL	110	105	2	44610	95.45
				105	2	44610	95.45
	2545	A.P. LIGHTWEIGHT	110	106	2	24400	96.36
			110	104	5	62540	94.54
				105	7	86940	95.05
	2552	A.P. LIGHTWEIGHT VELLUM	102	107	5	70830	104.90
				107	5	70830	104.90
	7000	CALENDAR PAD OFFSET	110	114	2	42600	103.63
				114	2	42600	103.63
	7100	K WHITE OFFSET	110	124	2	45060	112.72
			110	108	8	178750	98.18
			110	105	4	42660	95.45
			110	96	1	6900	87.27
				110	15	273370	99.88

SH 065580

PROGRAM: N4PS741U S C M A L L I E D P A P E R I N C. PAGE 8
RUN DATE: 02/01/83 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7101	K WHITE OFFSET	110	121	3	96610	110.00
			110	119	6	205280	108.18
			110	107	2	63790	97.27
			110	105	2	7560	95.45
			110	103	2	39690	93.63
			110	99	5	120210	90.00
			110	97	2	37050	88.18
				111	22	578190	100.80
	7102	K WHITE OFFSET	110	118	3	45220	107.27
			110	117	1	12760	106.36
			110	115	7	150490	104.54
			110	113	2	29470	102.72
			110	110	2	53290	100.00
			110	108	1	12080	98.18
			110	107	2	21230	97.27
			110	105	8	131810	95.45
			110	100	1	20920	90.90
			110	98	1	4050	89.09
			110	96	1	3780	87.27
				110	29	485100	100.43
	7103	K WHITE OFFSET	110	116	1	9800	105.45
			110	108	1	7260	98.18
			110	104	1	6810	94.54
			110	102	2	6540	92.72
				108	5	30410	98.53
	7104	K WHITE OFFSET	110	121	3	44930	110.00
			110	115	1	13550	104.54
			110	105	7	112010	95.45
			110	100	2	23200	90.90
			110	99	2	45210	90.00
				107	15	238900	97.23
	7105	K WHITE OFFSET	110	115	1	28650	104.54
				115	1	28650	104.54
	7107	K WHITE OFFSET	110	105	2	12910	95.45
				105	2	12910	95.45
	7122	BW K OFFSET - ANTIQUE	110	113	2	15630	102.72
				113	2	15630	102.72
	7123	BW K OFFSET - ANTIQUE	110	93	1	21580	84.54
				93	1	21580	84.54
	7200	RAVENSWOOD OPAQUE	110	107	4	148350	97.27
			110	105	2	15440	95.45

SR 065581

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 9
RUN DATE: 02/01/83 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				107	6	163790	97.10
				109	166	3122390	99.78

SH 865582

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	104	117	5	108570	112.50
			104	108	2	41810	103.84
			104	92	1	18840	88.46
				112	8	169220	107.68
	259	ALLIED MATTE BASE	121	108	7	140460	89.25
				108	7	140460	89.25
	271	TYPE IV BASE STOCK DRY TON	104	120	2	26290	115.38
				120	2	26290	115.38
	274	TYPE 904-B R.S.	110	117	3	90800	106.36
			110	113	3	67490	102.72
			110	105	1	23400	95.45
			110	103	2	10280	93.63
				113	9	191970	103.07
	276	TYPE IV E DT BLADE BASE	124	120	3	17760	96.77
			124	119	1	26700	95.96
			124	110	14	397480	95.16
			124	91	3	50450	73.38
				115	21	492390	93.03
	1000	Q.P. OFFSET	114	114	2	30690	100.00
				114	2	30690	100.00
	1202	SPECIAL AM PRIDE	116	105	3	42690	90.51
				105	3	42690	90.51
	1206	SPEC A.M. PRIDE	102	110	3	94570	107.84
			102	107	1	12280	104.90
			102	105	2	35220	102.94
				109	6	142070	106.37
	1208	A M PRIDE	110	100	1	11680	90.90
				100	1	11680	90.90
	1210	GENERIC OFFSET	110	105	2	19650	95.45
				105	2	19650	95.45
	2240	LAWYERS WHITE OFFSET	110	116	14	328610	105.45
				116	14	328610	105.45
	2535	MANUAL OFFSET	110	105	2	42330	95.45
				105	2	42330	95.45
	2545	A.P. LIGHTWEIGHT	110	102	2	15920	92.72
				102	2	15920	92.72

SH 865583

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01,1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2961	BW G OFFSET	110	105	1	15300	95.45
				105	1	15300	95.45
	7100	K WHITE OFFSET	110	104	1	18240	94.54
			110	102	1	4130	92.72
				104	2	22370	94.20
	7101	K WHITE OFFSET	110	107	2	40830	97.27
			110	105	12	246890	95.45
				105	14	287720	95.71
	7102	K WHITE OFFSET	110	121	2	54070	110.00
			110	119	1	33320	108.18
			110	117	1	4650	106.36
			110	116	3	73040	105.45
			110	113	4	73140	102.72
			110	105	8	197090	95.45
			110	104	4	85950	94.54
			110	102	3	22150	92.72
			110	100	1	16920	90.90
			110	99	1	16010	90.00
				109	28	576340	99.30
	7104	K WHITE OFFSET	110	105	3	98600	95.45
			110	104	2	7740	94.54
				105	5	106340	95.38
	7122	BW K OFFSET - ANTIQUE	110	112	2	46120	101.81
			110	104	1	25230	94.54
				109	3	71350	99.24
	7202	RAVENSWOOD OPAQUE	110	105	2	42770	95.45
				105	2	42770	95.45
				111	134	2776160	98.76

05584

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 01.1983

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	102	114	2	88560	111.76
			102	105	1	45030	102.94
			102	89	2	37210	87.25
				106	5	170800	104.09
	859	ALLIED MATTE	102	105	4	161460	102.94
				105	4	161460	102.94
	871	MASTERBASE TYPE V LTHW-S	102	117	2	25990	114.70
				117	2	25990	114.70
	874	TYPE 904-B	102	114	4	67290	111.76
			102	110	2	11675	107.84
				113	5	78965	111.18
	876	MASTERBASE TYPE IV DT	102	116	1	23470	113.72
			102	115	13	387305	112.74
			102	112	1	20680	109.80
			102	89	4	66820	87.25
				111	19	498275	109.25
				110	36	935490	107.53

SA 065585

PROGRAM: N40ST610 S C M A L L I E D P A P E R I N C. PAGE 1

[redacted] DAILY PRODUCTION SYSTEM [redacted] THRU WEEK 4 OF MONTH 12.1982

								PRODUCTION				
							RATIO	STD	MINDER	OFF-Q	ACT	EFFIC
	48.00	1200	SPEC A.M. PRIDE							10950	10950-	
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	98.33	41810	43590	2510	41080	98.25
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	98.96	41102	56040		56040	91.60
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	100.00	76584	78300	2240	76260	99.68
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	100.33	21572	17940	3540	14400	66.75
										5296	5296-	
	10.00	2101	IMPERIAL BIBLE							12710	272550	100.70
	10.00	2120	NATO TEXT BIBLE 80		139.7	136.2	106.36	270647	285260			
	10.00	2140	LAWYERS WHITE OFFSET		106.8	101.7	104.67	294583	319060	2130	316930	107.59
	[redacted]	[redacted]	LAWYERS OFFSET		[redacted]	[redacted]	106.14	120602	122730	2340	120390	99.82
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	99.17	46633	45830		45830	98.28
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	101.02	74482	69680	4700	64980	87.28
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]						
	10.00	2241	A P LIGHTWEIGHT TY Q		80.3	76.8	103.25	147153	151530	1410	150120	102.02
	10.00	2242	A P LIGHT WEIGHT		11.7	10.2	95.10	22325	13400	900	12500	55.99
	10.00	2243	A.P. LIGHTWEIGHT		7.6	6.4	89.51	17080	17210		17210	96.25
	10.00	2830	WHITE BOOKLITE		5.7	4.3	82.30	10593	10090		10090	95.25
	[redacted]	[redacted]	[redacted]	[redacted]	103.8	100.2	104.30	152127	149930		149930	98.56
	[redacted]	[redacted]	MACH TOTAL [redacted]		671.8	633.7	103.03	1358063	1380790	48726	1332064	98.09
	48.00	1200	SPEC A.M. PRIDE		6.5	6.5	109.09	38038	40480		40480	106.42
	48.00	1207	A.M. PRIDE							1310	1310-	
	48.00	1208	A.M. PRIDE		74.5	68.2	99.87	469606	475395	2270	473125	100.75
	[redacted]	[redacted]	GENERIC OFFSET		14.3	13.6	103.75	93878	98200	5354	92846	98.90
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	104.99	79120	79700		79700	100.73
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	88.96	18752	20840		20840	111.13
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	97.38	62037	62960		62960	101.49
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	101.30	192015	164560	4390	160170	105.36
	48.00	3088	SUPERIOR OFFSET									
	50.00	3088	SUPERIOR OFFSET		18.5	17.2	101.43	124093	116360		116360	93.80
	60.00	3024	SUPERIOR OFFSET - AN		1.7	1.6	102.67	10815	11880		11880	109.85
	48.00	3058	ALLIEDS WESTERN OPA		63.3	58.1	96.68	323604	330960	9850	321110	99.23
	[redacted]	[redacted]	[redacted]	[redacted]	72.3	67.8	102.00	388643	411120	6640	404480	104.02
	[redacted]	[redacted]	[redacted]	[redacted]	25.1	23.8	102.97	142344	145880	10170	135710	95.34
	[redacted]	[redacted]	[redacted]	[redacted]	9.8	8.9	101.61	52987	55120	1180	53940	101.80
	[redacted]	[redacted]	[redacted]	[redacted]	73.6	70.1	104.19	481828	507860	22280	485580	100.78
	60.00	7104	X WHITE OFFSET		80.7	73.7	99.63	542866	570350	22790	547560	100.86
	70.00	7105	X WHITE OFFSET		5.6	5.3	103.25	35857	40800	6660	34140	95.21
	80.00	7107	X WHITE OFFSET									
	48.00	7201	RAVENSWOOD OPAQUE		3.7	3.4	100.25	21705	23720		23720	109.28
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	103.45	38037	44240		44240	116.31
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	109.09	5952	5280		5280	88.71
	[redacted]	[redacted]	[redacted]	[redacted]	136.8	118.1	94.73	436970	403790	13100	390690	89.41
	46.02		MACH TOTAL 1.09091		653.5	596.6	99.59	3519307	3609495	105994	3503501	99.55

1805

SH 865586

MACH	BASIS WEIGHT	GRADE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
	40.20		MILL C TOTAL	1324.5	1230.3	101.33	4877370	4990285	154720	4835565	99.14
7	[illegible]	[illegible]	[illegible] OFFSET	11.4	11.4	108.42	67549	61030		61030	90.35
7	[illegible]	[illegible]	[illegible] OPAQUE	29.6	29.4	88.37	90386	71970		71970	79.63
7	[illegible]	[illegible]	BRITE LITE THIN	74.0	64.1	94.50	142280	114330	10610	104320	73.32
7	[illegible]	[illegible]	BRITE LITE THIN								
7	21.00	2089	ROYAL LITE								
7	26.00	2102	BRITISH OPAQUE	3.5	3.2	99.74	10684	12120		12120	113.44
7	30.00	2202	IMPERIAL BIBLE	22.2	20.0	98.28	74629	74820	1180	73640	98.67
7	35.00	2204	IMPERIAL BIBLE	5.8	5.2	97.81	25693	24110		24110	93.84
7	[illegible]	[illegible]	IMPERIAL BIBLE EF NA	4.1	3.5	93.13	11423	9600		9600	84.04
7	[illegible]	[illegible]	RATO TEXT BIBLE 30	88.3	78.2	100.01	198186	192310	5830	186480	94.09
7	[illegible]	[illegible]	ALLIED SPECIAL BIBLE	8.8	6.9	88.56	31314	32680		32680	104.36
7	[illegible]	[illegible]	SPEC. SHAKESPEARE TN						9520	9520-	
7	22.00	2500	SOLITUDE OPAQUE								
7	35.00	2504	SOLITUDE OPAQUE								
7	20.00	2540	A P LIGHT WEIGHT	10.3	8.9	94.26	16898	16620	1460	15160	89.71
7	[illegible]	[illegible]	A.P. LIGHTWEIGHT	43.5	40.6	101.82	131950	126980	7200	119780	90.78
7	[illegible]	[illegible]	A.P. LIGHTWEIGHT	98.7	87.8	99.74	244797	257370	20280	237090	96.85
7	[illegible]	[illegible]	A.P. LIGHTWEIGHT	87.1	94.6	104.31	210999	216120		216120	102.87
7	[illegible]	[illegible]	WHITE BOOKLITE	74.2	66.5	97.77	264335	275230		275230	104.12
7	[illegible]	[illegible]	K WHITE OFFSET	39.8	31.3	97.56	162024	174970		174970	107.99
7	50.00	7102	K WHITE OFFSET	34.6	15.0	47.29	82203	90840		90840	110.51
7	40.00	7104	K WHITE OFFSET	8.1	7.8	105.05	43617	43430		43430	99.57
7	40.00	7120	B W K OFFSET - ANTIQ	9.0	8.9	107.88	43169	48660		48660	112.72
7	45.00	7121	B W K OFFSET - ANTI	43.5	33.4	83.76	167900	192980		192980	115.56
7	[illegible]	7200	RAVENSWOOD OPAQUE	20.1	19.3	104.75	94861	106400		106400	112.16
	32.92		MACH TOTAL 1.89891	672.2	587.3	98.31	2113097	2142570	55480	2087090	98.77
8	45.00	1000	Q.P. OFFSET	24.7	23.7	104.67	125360	130200		130200	103.86
8	45.00	1201	A.M. PRIDE	9.2	8.9	105.53	43359	44770	1320	43450	100.21
8	58.00	1208	A.M. PRIDE	61.8	52.8	93.20	286857	294680		294680	102.73
8	70.00	1211	GENERIC OFFSET	3.1	2.4	84.46	13634	17150		17150	125.79
8	[illegible]	[illegible]	OFFSET	6.0	4.8	87.27	21972	27250	1100	26150	119.02
8	[illegible]	[illegible]	B W TJ OFFSET	8.0	7.7	105.00	44722	42080		42080	94.09
8	[illegible]	[illegible]	PRIDE OPAQUE	7.9	2.8	34.82	8859	8250		8250	93.17
8	[illegible]	[illegible]	LAWYERS WHITE OFFSET								
8	35.00	2402	SHAKESPEARE THIN								
8	30.00	2503	SOLITUDE OPAQUE	13.7	12.7	101.13	44591	43540		43540	97.64
8	35.00	2504	SOLITUDE OPAQUE	15.7	10.7	74.35	41215	40650	1420	39230	95.14
8	[illegible]	[illegible]	INTERNATIONAL HARVES	5.8	5.2	103.45	21978	21000		21000	95.55
8	[illegible]	[illegible]	A M DICTIONARY	121.0	117.7	106.12	376257	416700	1510	409190	108.75
8	[illegible]	[illegible]	MANUAL OFFSET	11.0	9.7	98.20	41350	47260		47260	114.29
8	[illegible]	[illegible]	A.P. LIGHTWEIGHT VEL	3.8	2.0	62.34	7275	7630		7630	104.88
8	[illegible]	[illegible]	BEAT SET WEB OFFSET								
8	40.00	7000	CALENDAR PAD OFFSET	24.3	23.7	106.40	109691	125870	1000	124870	113.84

SH 865587

HARRY W. TAYLOR DIV.

5382 WYNN ROAD KALAMAZOO, MICHIGAN 49003
(616) 381-1500

Decem[illegible] 9[illegible]

8 – 83 HRS. 12340*

9 – 95 HRS. 21470*
[illegible]

Blade – 97 HRS 18,180*

5	[illegible]0+	[illegible]37
6	18[illegible]5+	[illegible]
7	1071 +	5873
8	1543 +	[illegible]+83[illegible]
9	1363+	50[illegible]+[illegible]5[illegible]
10	355	1731+[illegible]

TAYLOR ENGINEERING CORP
SOUTHFIELD MICHIGAN

A. P. ENGELHART DIV
FLINT MICHIGAN

GRAND RAPIDS DIV
GRAND RAPIDS MICHIGAN

JACKSON DIV
JACKSON MICHIGAN

LANSING SUPPLY DIV
LANSING MICHIGAN

GROUP

TAYLOR ENGINEERING CORP
DETROIT MICHIGAN

HARRY W. TAYLOR DIV
KALAMAZOO MICHIGAN

R. H. TAYLOR DIV
SAGINAW & MIDLAND MICHIGAN

TRIANGLE SUPPLY DIV
PORT HURON MICHIGAN

PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982 DECEMBER, 1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC
8	48.00	7100	K WHITE OFFSET	17.6	17.3	107.23	76310	74550	1350	73200	95.92
8	48.00	7101	K WHITE OFFSET	25.9	24.7	104.04	118971	118060	2810	116050	97.54
8	48.00	7102	K WHITE OFFSET	118.2	112.4	103.74	628242	604750	16430	588320	93.65
8	48.00	7103	K WHITE OFFSET	8.8	7.3	98.60	40329	46290		46290	114.78
8	48.00	7104	K WHITE OFFSET	78.4	68.6	108.99	364140	412410		412410	113.26
8	48.00	7105	K WHITE OFFSET	1.8	1.3	90.91	8521	7120		7120	83.56
8	48.00	7107	K WHITE OFFSET	19.1	18.5	109.66	94489	102750		102750	108.74
8	99.99	7109	BW K OFFSET	12.7	10.7	91.91	50120	50670	800	49870	99.50
8	48.00	7120	B W K OFFSET - ANTIQ	1.8	1.5	90.91	7308	8000		8000	109.47
8	50.00	7122	BW K OFFSET - ANTIQU	11.6	10.6	99.69	60202	63150		63150	104.90
8	60.00	7124	BW K OFFSET - ANTIQU	8.2	8.2	109.09	47150	48250		48250	102.33
8	70.00	7125	BW K OFFSET - ANTIQU	3.2	3.2	109.09	18179	14490		14490	79.71
8	80.00	7130	BW K OFFSET - ANTIQU	3.4	3.4	109.09	19877	22680		22680	114.10
8	40.00	7200	RAVENSWOOD OPAQUE	34.8	33.7	106.56	146397	164600	37650	126950	86.72
8	50.00	7202	RAVENSWOOD OPAQUE	14.2	13.2	101.41	72040	74330		74330	103.18
	48.21		MACH TOTAL 1.09091	666.9	619.4	101.32	2939391	3073930	65390	3008540	102.35
9	38.00	203	LAUREL TEXT - RS	17.9	16.8	97.51	67871	67820		67820	99.92
9	44.00	208	BNT - NON BLEED R.S.	17.8	16.8	102.96	76348	92840	4890	87950	115.20
9	44.00	209	ALLIED MATTE BASE	9.7	7.8	87.72	32765	29760		29760	90.83
9	44.00	210	TYPE IV E OT GLADE B	14.0	13.2	102.86	64002	75200		75200	117.50
9	50.00	214	TYPE 404-B R.S.	61.1	57.5	102.31	295658	270980		270980	91.65
9	42.00	275	SHORT RUN MASTER RAW	10.6	9.4	96.74	36793	38390		38390	104.34
9	45.00	1000	O.P. OFFSET	9.7	9.5	106.84	46135	52410		52410	113.60
9	44.00	1200	SPECIAL AM PRIDE	15.5	14.9	104.87	52253	61080		61080	116.89
9	44.00	1205	A. M. PRIDE	15.6	14.8	103.50	55321	67240		67240	121.55
9	44.00	1206	SPEC A.M. PRIDE	30.4	27.7	99.48	125507	142490	4350	138140	110.07
9	44.00	1207	P.M. PRIDE	2.9	2.9	109.09	14549	16740		16740	115.06
9	44.00	1208	PRIDE OPAQUE	33.0	29.0	82.64	84261	49540	6100	43440	51.55
9	44.00	1210	BW PRIDE OPAQUE	6.9	5.8	91.70	23994	18510		18510	77.14
9	45.00	2104	BRITISH OPAQUE	11.0	10.1	100.17	40989	44160	4140	40020	97.64
9	40.00	2233	IMPERIAL BIBLE	37.9	29.6	85.20	104793	114810	2970	111840	106.72
9	40.00	2236	WHITE IMPERIAL BIBLE	32.0	28.2	96.14	75835	66800		66800	88.09
9	40.00	2240	LAWYERS WHITE OFFSET								
9	40.00	2241	LAWYERS OFFSET								
9	40.00	2242	SOLITUDE OPAQUE	18.8	14.2	83.73	41808	34070		34070	81.49
9	40.00	2243	TBM SUPERIOR OFFSET	33.6	31.8	102.27	134919	137690		137690	102.05
9	40.00	2244	MANUAL OFFSET	27.8	23.9	94.81	98872	114930		114930	116.24
9	50.00	2534	I B M MANUAL	7.8	7.4	103.50	34498	42150		42150	122.18
9	40.00	2549	A.P. LIGHTWEIGHT	44.4	42.2	103.69	120994	129390	8140	121250	100.21
9	33.00	2552	A.P. LIGHTWEIGHT VEL	12.0	11.3	102.73	38699	31360		31360	81.04
9	40.00	7100	K WHITE OFFSET	4.9	4.5	100.19	18261	20870		20870	114.29
9	48.00	7101	K WHITE OFFSET	7.2	6.6	98.91	26837	30780		30780	114.69
9	48.00	7102	K WHITE OFFSET	29.6	27.8	102.83	136326	156690	1060	155630	114.16
9	48.00	7104	K WHITE OFFSET	100.8	90.8	106.60	481712	585010		585010	121.44
9	48.00	7105	K WHITE OFFSET	4.8	4.4	88.00	19125	16440		16440	85.96
9	40.00	7200	RAVENSWOOD OPAQUE	12.8	12.8	109.09	53583	62740		62740	117.09

8655698

PROGRAM: N4PS7610 S C M A L L I E D P A P E R I N C. PAGE 4
RUN DATE: 01/04/83 DAILY PRODUCTION SYSTEM
RUN TIME: 1[illegible] PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
9	45.00	7281	RAVENSWOOD OPAQUE	4.7	3.5	81.24	15659	16980		16980	108.46
9	50.00	7282	RAVENSWOOD OPAQUE	20.7	19.6	103.29	92873	117450		117450	126.46
	[illegible]		MACH TOTAL 1.[illegible]	[illegible]	[illegible]	99.15	2511236	2705320	31650	2673670	106.47
	[illegible]		MILL D TOTAL	1995.6	1803.4	98.58	7863724	7921820	152520	7769300	102.72
	42.16		BOOK MILL TOTAL	3320.1	3033.7	99.68	12441094	12912105	307240	12604865	101.32
17	40.00	801	LAUREL TEXT								
17	50.00	803	LAUREL TEXT	10.0	7.7	84.97	67508	70230		70230	104.03
17	[illegible]	[illegible]	H W MASTER - NON BLE	13.8	11.4	93.18	85239	88720		88720	104.08
17	[illegible]	[illegible]	ALLIED MATTE	[illegible]	4.8	[illegible]	37627	21320	4330	16990	45.15
17	[illegible]	[illegible]	MASTERBASE TYPE IV D	[illegible]	18.3	103.55	76847	89340		89340	116.26
17	[illegible]	[illegible]*	TYPE [illegible]	127.4	121.0	104.80	426940	375330	3800	371530	87.02
17	63.00	875*	SHORT RUN MASTER BAS	13.8	10.7	85.56	28322	46980	1000	45980	162.35
17	40.00	880	CAMELIA MATTE BASE P								
	65.56		BLADE SUBTOTAL	53.3	41.4	85.71	267221	269610	4330	265280	99.27
	76.33		*BLADE SUBTOTAL	141.2	131.7	102.92	455262	422310	4800	417510	91.71
	72.14		BLADE COATER 1.10348	194.5	173.1	98.20	722483	691920	9130	682790	94.51
	42.64		GRAND SUBTOTAL	3373.4	3075.1	99.46	12708315	13181715	311570	12870145	101.27
	76.33		*GRAND SUBTOTAL	141.2	131.7	102.92	455262	422310	4800	417510	91.71
	43.69		GRAND TOTAL	3514.6	3206.8	99.60	13163577	13604025	316370	13287655	100.94

1353

6401

346

6802

35 1143

SA 065590

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7124	BW M OFFSET - ANTIQUE	124	103	1	16440	83.06
				103	1	16440	83.06
	7200	RAVENSWOOD OPAQUE	110	107	2	38740	97.27
			110	105	1	24000	95.45
			110	106	3	62740	96.57
	7201	RAVENSWOOD OPAQUE	110	105	1	16980	95.45
				105	1	16980	95.45
	7202	RAVENSWOOD OPAQUE	110	107	5	101100	97.27
			110	105	1	16350	95.45
				107	6	117450	97.02
				109	146	2705320	99.44

SA 065591

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	102	109	1	35790	106.86
			102	105	2	34440	102.94
				107	3	70230	104.94
	883	H W MASTER - NON BLEED II	102	116	1	20550	113.72
			102	111	1	10380	108.82
			102	109	1	39910	106.86
			102	108	1	9840	105.88
			102	90	1	8040	88.23
				109	5	88720	106.88
	859	ALLIED MATTE	102	115	2	21320	112.74
				115	2	21320	112.74
	873	MASTERBASE TYPE IV QTHN	102	114	1	45580	111.76
			102	113	2	43760	110.78
				114	3	89340	111.28
	874	TYPE 904-B	102	114	3	33780	111.76
			102	112	1	36580	109.80
			102	111	9	127030	108.82
			102	110	13	177940	107.84
				111	26	375330	108.72
	875	SHORT RUN MASTER BASE	102	104	1	6900	101.96
			102	103	1	28170	100.98
			102	87	1	11910	85.29
				99	3	46980	97.15
				110	42	691920	107.77

SA 065592

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2104	BRITISH OPAQUE	110	114	2	44160	103.63
				114	2	44160	103.63
	2203	IMPERIAL BIBLE	110	106	6	114810	96.36
				106	6	114810	96.36
	2236	WHITE IMPERIAL BIBLE	110	106	2	5250	96.36
			110	105	4	61550	95.45
				105	6	66800	95.52
	2503	SOLITUDE OPAQUE	110	105	2	12030	95.45
			110	92	2	22040	83.63
				97	4	34070	87.80
	2513	IBM SUPERIOR OFFSET	110	112	4	67190	101.81
			110	105	3	70500	95.45
				108	7	137690	98.55
	2535	MANUAL OFFSET	110	105	6	114930	95.45
				105	6	114930	95.45
	2536	I & M MANUAL	110	105	2	42150	95.45
				105	2	42150	95.45
	2549	A.P. LIGHTWEIGHT	105	112	6	129390	106.66
				112	6	129390	106.66
	2552	A.P. LIGHTWEIGHT VELLUM	102	107	2	8350	104.90
			102	101	2	23010	99.01
				103	4	31360	100.58
	7100	K WHITE OFFSET	110	103	2	20870	93.63
				103	2	20870	93.63
	7101	K WHITE OFFSET	110	105	3	30780	95.45
				105	3	30780	95.45
	7102	K WHITE OFFSET	110	116	2	43120	105.45
			110	112	2	42350	101.81
			110	109	1	4300	99.09
			110	107	1	10800	97.27
			110	105	4	56140	95.45
				110	10	156690	100.15
	7104	K WHITE OFFSET	110	111	3	64520	100.90
			110	105	8	311630	95.45
			110	104	4	124760	94.54
			110	102	3	84100	92.72
				105	18	585010	95.46

SA 865593

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	104	112	2	36080	107.69
			104	108	4	31740	103.84
				110	6	67820	105.89
	253	HWT - NON BLEED R.S.	104	119	1	23850	114.42
			104	114	2	10290	109.61
			104	112	2	41120	107.69
			104	111	1	9200	106.73
			104	93	1	8380	89.42
				112	7	92840	107.89
	259	ALLIED MATTE BASE	121	118	3	29760	97.52
				118	3	29760	97.52
	273	TYPE IV E OT BLADE BASE	104	116	4	75200	111.53
				116	4	75200	111.53
	274	TYPE 904-8 R.S.	110	117	3	73840	106.36
			110	115	3	69260	104.54
			110	114	4	87410	103.63
			110	113	3	40470	102.72
				115	13	270980	104.47
	275	SHORT RUN MASTER RAWSTOCK	124	107	2	28130	86.29
			124	90	1	10260	72.58
				102	3	38390	82.63
	1000	G.P. OFFSET	114	114	2	52410	100.00
				114	2	52410	100.00
	1202	SPECIAL AM PRIDE	116	105	3	61080	90.51
				105	3	61080	90.51
	1205	A. M. PRIDE	112	105	3	67240	93.75
				105	3	67240	93.75
	1206	SPEC A&M. PRIDE	102	115	6	142490	112.74
				115	6	142490	112.74
	1208	A.M. PRIDE	110	113	1	16740	102.72
				113	1	16740	102.72
	1800	PRIDE OPAQUE	110	115	4	29880	104.54
			110	107	3	19660	97.27
				112	7	49540	101.65
	1810	SW PRIDE OPAQUE	110	105	1	18510	95.45
				105	1	18510	95.45

SR 865594

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7124	BW K OFFSET - ANTIQUE	110	115	2	48250	104.54
				115	2	48250	104.54
	7125	BW K OFFSET - ANTIQUE	110	115	2	14490	104.54
				115	2	14490	104.54
	7130	BW K OFFSET - ANTIQUE	110	116	2	22680	105.45
				116	2	22680	105.45
	7200	RAVENSWOOD OPAQUE	110	107	5	164600	97.27
				107	5	164600	97.27
	7202	RAVENSWOOD OPAQUE	110	107	2	45150	97.27
			110	105	1	29180	95.45
				106	3	74330	96.56
				109	165	3073930	99.29

SH 855595

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7101	K WHITE OFFSET	110	106	4	86020	96.36
			110	105	1	10920	95.45
			110	96	2	21920	87.27
				104	7	118860	94.60
	7102	K WHITE OFFSET	110	120	4	79050	109.09
			110	117	1	4400	106.36
			110	115	1	8040	104.54
			110	114	3	61720	103.63
			110	112	6	99570	101.81
			110	109	1	21260	99.09
			110	107	4	43080	97.27
			110	105	11	130620	95.45
			110	104	3	48700	94.54
			110	103	2	7540	93.63
			110	102	3	22220	92.72
			110	98	2	55830	89.09
			110	96	2	22720	87.27
				108	43	604750	98.48
	7103	K WHITE OFFSET	110	114	1	6850	103.63
			110	109	3	39440	99.09
				110	4	46290	99.76
	7104	K WHITE OFFSET	110	115	3	45900	104.54
			110	114	1	9210	103.63
			110	108	2	29750	98.18
			110	105	11	327550	95.45
				107	17	412410	96.84
	7105	K WHITE OFFSET	110	115	1	7120	104.54
				115	1	7120	104.54
	7107	K WHITE OFFSET	110	113	4	102750	102.72
				113	4	102750	102.72
	7109	BW K OFFSET	110	111	2	50670	100.90
				111	2	50670	100.90
	7120	B W K OFFSET - ANTIQUE	122	120	1	8000	98.36
				120	1	8000	98.36
	7122	BW K OFFSET - ANTIQUE	110	114	1	7720	103.63
			110	112	2	42560	101.81
			110	105	1	6570	95.45
			110	104	1	6300	94.54
				111	5	63150	100.65

SA 065596

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1000	O.P. OFFSET	114	114	5	130200	100.00
				114	5	130200	100.00
	1207	A.M. PRIDE	122	105	3	44770	86.06
				105	3	44770	86.06
	1208	A.M. PRIDE	106	114	1	29960	107.54
			106	111	1	17350	104.71
			106	105	5	73430	99.05
			106	104	6	173940	98.11
				106	13	294680	99.69
	1211	GENERIC OFFSET	110	115	1	17150	104.54
				115	1	17150	104.54
	1503	J OFFSET	103	116	1	20650	110.47
			105	103	1	6600	98.09
				113	2	27250	107.47
	1533	B W "J" OFFSET	106	113	2	42080	106.60
				113	2	42080	106.60
	1800	PRIDE OPAQUE	110	115	3	8250	104.54
				115	3	8250	104.54
	2503	SOLITUDE OPAQUE	110	114	2	43540	103.63
				114	2	43540	103.63
	2504	SOLITUDE OPAQUE	110	107	4	40650	97.27
				107	4	40650	97.27
	2514	INTERNATIONAL HARVESTER OPAQUE	105	111	1	21000	105.71
				111	1	21000	105.71
	2528	A H DICTIONARY	110	111	16	410700	100.90
				111	16	410700	100.90
	2535	MANUAL OFFSET	110	105	3	47260	95.45
				105	3	47260	95.45
	2552	A.P. LIGHTWEIGHT VELLUM	102	107	2	7630	104.90
				107	2	7630	104.90
	7000	CALENDAR PAD OFFSET	110	114	5	125870	103.63
				114	5	125870	103.63
	7100	K WHITE OFFSET	110	110	2	42330	100.00
			110	107	3	32220	97.27
				109	5	74550	98.82

SA 065597

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			136	126	3	80060	92.64
			136	124	1	9360	91.17
				130	8	174970	95.42
	7102	K WHITE OFFSET	136	135	5	72140	99.26
			138	132	1	18700	97.05
			136	125	1		91.91
				134	7	90840	98.81
	7104	K WHITE OFFSET	136	120	2	43430	88.23
				120	2	43430	88.23
	7120	B W K OFFSET - ANTIQUE	136	138	1	4650	101.47
			136	125	3	44010	91.91
				126	4	48660	92.82
	7121	B.W. K OFFSET - ANTIQUE	136	125	6	192980	91.91
				125	6	192980	91.91
	7200	RAVENSWOOD OPAQUE	136	128	4	106400	94.11
				128	4	106400	94.11
				127	118	2142570	96.35

865598

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1549	A W J OFFSET	136	137	2	10350	100.73
			136	129	2	50680	94.85
				130	4	61030	95.85
	1800	PRIDE OPAQUE	136	136	4	71970	100.00
				136	4	71970	100.00
	2000	BRITE LITE THIN	132	119	1	5750	90.15
			132	118	9	108580	89.39
				118	10	114330	89.43
	2102	BRITISH OPAQUE	134	105	1	12120	78.35
				105	1	12120	78.35
	2202	IMPERIAL BIBLE	134	122	2	26050	91.04
			134	115	3	48770	85.82
				117	5	74820	87.64
	2204	IMPERIAL BIBLE	134	135	1	24110	100.74
				135	1	24110	100.74
	2210	IMPERIAL BIBLE EF NAT PUB	128	136	2	9600	106.25
				136	2	9600	106.25
	2223	NATO TEXT BIBLE 80	132	128	12	192310	96.96
				128	12	192310	96.96
	2231	ALLIED SPECIAL BIBLE	136	124	2	32680	91.17
				124	2	32680	91.17
	2540	A P LIGHT WEIGHT	105	101	2	16620	96.19
				101	2	16620	96.19
	2546	A.P. LIGHTWEIGHT	105	130	8	126980	123.80
				130	8	126980	123.80
	2547	A.P. LIGHTWEIGHT	132	130	10	162870	98.48
			132	128	4	61840	96.96
			132	114	3	32660	86.36
				127	17	257370	96.58
	2551	A.P. LIGHTWEIGHT	134	130	8	216120	97.01
				130	8	216120	97.01
	9830	WHITE BOOKLITE	134	125	11	275230	93.28
				125	11	275230	93.28
	7101	K WHITE OFFSET	136	137	2	42000	100.73
			136	131	2	43550	96.32

SA 865589

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				144	5	145880	101.59
	7101	K WHITE OFFSET	142	140	2	55120	98.59
				140	2	55120	98.59
	7102	K WHITE OFFSET	142	147	1	19740	103.52
			142	142	1	18770	100.00
			142	140	12	297240	98.59
			142	137	4	89750	96.47
			142	136	3	77860	95.77
			142	133	1	4500	93.66
				139	22	507860	97.98
	7104	K WHITE OFFSET	142	148	2	31600	104.22
			142	145	1	33300	102.11
			142	142	5	241320	100.00
			142	140	6	160360	98.59
			142	139	2	52720	97.88
			142	137	2	9970	96.47
			142	128	1	41080	90.14
				141	19	570350	98.99
	7105	K WHITE OFFSET	146	145	2	21000	99.31
			140	140	1	19800	95.89
				143	3	40800	97.65
	7201	RAVENSWOOD OPAQUE	140	140	1	23720	100.00
				140	1	23720	100.00
	7202	RAVENSWOOD OPAQUE	140	140	2	44240	100.00
				140	2	44240	100.00
	7204	RAVENSWOOD OPAQUE	140	142	1	5280	101.42
				142	1	5280	101.42
	9001	DUPONT PAPER (BLUE)	148	148	17	403790	100.00
				148	17	403790	100.00
				141	149	3609495	98.13

SA 865600

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1206	SPEC A.M. PRIDE	142	140	2	40480	98.59
				140	2	40480	98.59
	1208	A.M. PRIDE	148	145	3	73300	97.97
			148	143	3	35610	96.62
			148	142	4	133720	95.94
			148	140	6	82700	94.59
			148	136	3	93910	91.89
			148	131	3	34615	88.51
			148	125	1	21540	84.45
				139	23	475395	94.21
	1210	GENERIC OFFSET	142	140	4	65980	98.59
			142	128	1	8960	90.14
			142	117	1	23260	82.39
				133	6	98200	93.98
	2202	IMPERIAL BIBLE	140	139	3	79700	99.28
				139	3	79700	99.28
	2507	SOLITUDE OPAQUE	140	146	3	20840	104.28
				146	3	20840	104.28
	2513	IBM SUPERIOR OFFSET	140	142	3	43600	101.42
			140	140	2	19360	100.00
				141	5	62960	100.99
	2535	MANUAL OFFSET	140	142	3	79640	101.42
			140	140	2	40680	100.00
			140	136	2	44240	97.14
				140	7	164560	99.92
	3002	SUPERIOR OFFSET	142	146	3	116360	102.81
				146	3	116360	102.81
	3024	SUPERIOR OFFSET - ANTIQUE	142	129	1	11880	90.84
				129	1	11880	90.84
	3050	ALLIED'S WESTERN OPAQUE	142	138	9	330960	97.18
				138	9	330960	97.18
	5200	TABLET INTERCO	142	145	5	99820	102.11
			142	144	1	48180	101.40
			142	139	2	49880	97.88
			142	133	7	213240	93.66
				138	15	411120	97.13
	7100	K WHITE OFFSET	142	146	3	103720	102.81
			142	140	2	42160	98.59

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1401	BRITISH OPAQUE - SERVICE OFFSE	116	114	3	43590	98.27
				114	3	43590	98.27
	2006	BRITE LITE THIN	110	102	6	56040	92.72
				102	6	56040	92.72
	2009	ROYAL LITE	116	108	6	78500	93.10
				108	6	78500	93.10
	2200	IMPERIAL BIBLE	110	96	2	17940	87.27
				96	2	17940	87.27
	2223	NATO TEXT BIBLE 80	102	108	20	285260	105.88
				108	20	285260	105.88
	2240	LAWYERS WHITE OFFSET	110	116	10	214970	105.45
			110	110	5	104090	100.00
				114	15	319060	103.67
	2241	LAWYERS OFFSET	110	108	6	122730	98.18
				108	6	122730	98.18
	2405	SHAKESPEARE THIN	110	108	3	45830	98.18
				108	3	45830	98.18
	2420	SPEC. SHAKESPEARE THIN	110	110	6	69680	100.00
				110	6	69680	100.00
	2541	A P LIGHTWEIGHT TY OPA	116	108	3	12780	93.10
			116	105	10	138750	90.51
				105	13	161530	90.73
	2542	A P LIGHT WEIGHT	105	114	2	13400	108.57
				114	2	13400	108.57
	2543	A.P. LIGHTWEIGHT	112	110	2	17210	98.21
				110	2	17210	98.21
	3830	WHITE BOOKLITE	102	97	2	10090	95.09
				97	2	10090	95.09
	6400	CIGARETTE TIPPING - CORK	114	99	4	42750	86.84
			114	97	7	60690	85.08
			114	92	6	46490	80.70
				96	17	149930	84.22
				108	103	1380790	98.23

SA 865682

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	1300		3	70230	
					3	70230	
	853	H W MASTER - NON BLEED II	1000		5	88720	
					5	88720	
	859	ALLIED MATTE	1300		2	21320	
					2	21320	
	873	MASTERBASE TYPE IV DTHW	320		3	89340	
					3	89340	
	874	TYPE 904-B	325		26	375330	
					26	375330	
	875	SHORT RUN MASTER BASE	340		3	46980	
					3	46980	
					42	691920	

SD 065603

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7104	K WHITE OFFSET	550	580	2	87940	105.45
			550	600	6	221030	109.09
			550	620	2	46260	112.72
			550	630	1	41400	114.54
			550	640	7	188380	116.36
				614	18	585010	111.56
	7124	BW K OFFSET = ANTIQUE	500	550	1	16440	110.00
				550	1	16440	110.00
	7200	RAVENSWOOD OPAQUE	700	720	2	38740	102.85
			700	750	1	24000	107.14
				731	3	62740	104.49
	7201	RAVENSWOOD OPAQUE	670	740	1	16980	110.44
				740	1	16980	110.44
	7202	RAVENSWOOD OPAQUE	630		1	1900	
			630	740	1	41840	117.46
			630	750	4	73710	119.04
				734	6	117450	116.55
				682	146	2705320	107.35

SA 865604

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2104	BRITISH OPAQUE	720	760	2	44160	105.55
				760	2	44160	105.55
	2203	IMPERIAL BIBLE	720	740	1		102.77
			720	760	5	114810	105.55
				760	6	114810	105.55
	2236	WHITE IMPERIAL BIBLE	700	700	6	66800	100.00
				700	6	66800	100.00
	2503	SOLITUDE OPAQUE	720		1		
			720	740	3	34070	102.77
				740	4	34070	102.77
	2513	IBM SUPERIOR OFFSET	700		1		
			700	740	6	137690	105.71
				740	7	137690	105.71
	2535	MANUAL OFFSET	700	720	2	30870	102.85
			700	750	2	40560	107.14
			700	760	2	43500	108.57
				746	6	114930	106.53
	2536	I B M MANUAL	630	700	2	42150	111.11
				700	2	42150	111.11
	2549	A.P. LIGHTWEIGHT	700	740	2	43720	105.71
			700	750	1	16140	107.14
			700	770	3	69530	110.00
				757	6	129390	108.19
	2552	A.P. LIGHTWEIGHT VELLUM	720	740	4	31360	102.77
				740	4	31360	102.77
	7100	K WHITE OFFSET	700	720	2	20870	102.85
				720	2	20870	102.85
	7101	K WHITE OFFSET	670	730	1	4260	108.95
			670	740	2	26520	110.44
				739	3	30780	110.23
	7102	K WHITE OFFSET	630	660	3	56980	104.76
			630	690	3	46220	109.52
			630	720	1	4400	114.28
			630	730	2	12300	115.87
			630	750	1	36790	119.04
				697	10	156690	110.66

SA 865685

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	720		1		
			720	750	3	38240	104.16
			720	770	2	29580	106.94
				759	6	67820	105.37
	253	HWT - NON BLEED R.S.	690	670	1	23850	111.66
			690	690	6	68990	115.00
				685	7	92840	114.14
	259	ALLIED MATTE BASE	720	760	3	29760	105.55
				760	3	29760	105.55
	273	TYPE IV E OT BLADE BASE	430	500	4	75200	116.27
				500	4	75200	116.27
	274	TYPE 984-8 R.S.	580	500	1	30680	86.20
			580	550	1	9790	94.82
			580	560	7	126390	96.55
			580	570	3	73840	98.27
			580	585	1	30280	100.86
				558	13	270980	96.27
	275	SHORT RUN MASTER RAWSTOCK	650	650	3	38390	100.00
				650	3	38390	100.00
	1000	Q.P. OFFSET	670	720	2	52410	107.46
				720	2	52410	107.46
	1202	SPECIAL AM PRIDE	720	750	3	61080	104.16
				750	3	61080	104.16
	1205	A. M. PRIDE	720	750	2	30210	104.16
			720	760	1	37030	105.55
				756	3	67240	104.93
	1206	SPEC A.M. PRIDE	700	730	1	14400	104.28
			700	760	5	128090	108.57
				757	6	142490	108.14
	1208	A.M. PRIDE	630	750	1	16740	119.04
				750	1	16740	119.04
	1800	PRIDE OPAQUE	720		2	2580	
			720	740	4	40530	102.77
			720	750	1	6430	104.16
				703	7	49540	97.60
	1818	AM PRIDE OPAQUE	700	700	1	18510	100.00
				700	1	18510	100.00

SA 865606

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				600	2	48250	101.69
	7125	BW K OFFSET - ANTIQUE	500	520	2	14490	104.00
				520	2	14490	104.00
	7130	BW K OFFSET - ANTIQUE	550	600	2	22680	109.09
				600	2	22680	109.09
	7200	RAVENSWOOD OPAQUE	720	750	5	164600	104.16
				750	5	164600	104.16
	7202	RAVENSWOOD OPAQUE	730	730	2	45150	100.00
			730	750	1	29180	102.73
				738	3	74330	101.07
				702	165	3073930	102.77

SH 065607

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7100	K WHITE OFFSET	720	750	3	32220	104.16
			720	760	2	42330	105.55
				756	5	74550	104.95
	7101	K WHITE OFFSET	730	745	1	21890	102.05
			730	750	3	32840	102.73
			730	760	3	64130	104.10
				754	7	118860	103.34
	7102	K WHITE OFFSET	730	550	2	39540	75.34
			730	700	12	137700	95.89
			730	710	1	8040	97.26
			730	720	8	132860	98.63
			730	730	9	143850	100.00
			730	740	1	25350	101.36
			730	750	10	117410	102.73
				713	43	604750	97.70
	7103	K WHITE OFFSET	650	700	1	6850	107.69
			650	710	3	39440	109.23
				709	4	46290	109.00
	7104	K WHITE OFFSET	590	600	1	10800	101.69
			590	610	4	96690	103.38
			590	620	7	250830	105.08
			590	640	3	38960	108.47
			590	650	1	4050	110.16
			590	700	1	11080	118.64
				621	17	412410	105.33
	7105	K WHITE OFFSET	500	520	1	7120	104.00
				520	1	7120	104.00
	7107	K WHITE OFFSET	400		1		
			400	400	3	102750	100.00
				400	4	102750	100.00
	7109	BW K OFFSET	300	340	2	50670	113.33
				340	2	50670	113.33
	7120	B W K OFFSET - ANTIQUE	720	760	1	8000	105.55
				760	1	8000	105.55
	7122	BW K OFFSET - ANTIQUE	730	700	4	55430	95.89
			730	720	1	7720	98.63
				702	5	63150	96.22
	7124	BW K OFFSET - ANTIQUE	590	600	2	48250	101.69

SA 055608

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7100	K WHITE OFFSET	720	750	3	32220	104.16
			720	760	2	42330	105.55
				756	5	74550	104.95
	7101	K WHITE OFFSET	730	745	1	21890	102.05
			730	750	3	32840	102.73
			730	760	3	64130	104.10
				754	7	118860	103.34
	7102	K WHITE OFFSET	730	550	2	39540	75.34
			730	700	12	137700	95.89
			730	710	1	8040	97.26
			730	720	8	132860	98.63
			730	730	9	143850	100.00
			730	740	1	25350	101.36
			730	750	10	117410	102.73
				713	43	604750	97.70
	7103	K WHITE OFFSET	650	700	1	6850	107.69
			650	710	3	39440	109.23
				709	4	46290	109.00
	7104	K WHITE OFFSET	590	600	1	10800	101.69
			590	610	4	96690	103.38
			590	620	7	250830	105.08
			590	640	3	38960	108.47
			590	650	1	4050	110.16
			590	700	1	11080	118.64
				621	17	412410	105.33
	7105	K WHITE OFFSET	500	520	1	7120	104.00
				520	1	7120	104.00
	7107	K WHITE OFFSET	400		1		
			400	400	3	102750	100.00
				400	4	102750	100.00
	7109	BW K OFFSET	300	340	2	50670	113.33
				340	2	50670	113.33
	7120	B W K OFFSET - ANTIQUE	720	760	1	8000	105.55
				760	1	8000	105.55
	7121	BW K OFFSET - ANTIQUE	730	700	4	55430	95.89
			730	720	1	7720	98.63
				702	5	63150	96.22
	7124	BW K OFFSET - ANTIQUE	590	600	2	48250	101.69

SA 065609

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1000	G.P. OFFSET	730	750	5	130200	102.73
				750	5	130200	102.73
	1207	A.M6 PRIDE	730	750	3	44770	102.73
				750	3	44770	102.73
	1208	A.M6 PRIDE	730	730	4	54910	100.00
			730	750	9	239770	102.73
				746	13	294680	102.22
	1211	GENERIC OFFSET	500	600	1	17150	120.00
				600	1	17150	120.00
	1503	W OFFSET	720	750	1	20650	104.16
			720	760	1	6600	105.55
				752	2	27250	104.50
	1533	A W 'J' OFFSET	730	740	1	12500	101.36
			730	750	1	29580	102.73
				747	2	42080	102.32
	1800	PRIDE OPAQUE	730		1		
			730	750	1	8250	102.73
			730	780	1		106.84
				750	3	8250	102.73
	2503	SOLITUDE OPAQUE	730	750	2	43540	102.73
				750	2	43540	102.73
	2504	SOLITUDE OPAQUE	730	750	4	40650	102.73
				750	4	40650	102.73
	2514	INTERNATIONAL HARVESTER OPAQUE	730	760	1	21000	104.10
				760	1	21000	104.10
	2528	A M DICTIONARY	730	750	1	2300	102.73
			730	760	14	379590	104.10
			730	810	1	28810	110.95
				763	16	410700	104.57
	2535	MANUAL OFFSET	720	760	3	47260	105.55
				760	3	47260	105.55
	2552	A.P.6 LIGHTWEIGHT VELLUM	730	730	1		100.00
			730	750	1	7630	102.73
				750	2	7630	102.73
	2800	CALENDAR PAD OFFSET	720	760	5	125870	105.55
				760	5	125870	105.55

SR 865618

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2551	A.P. LIGHTWEIGHT	750	760	1	32770	101.33
			750	780	7	183350	104.00
				777	8	216120	103.60
	3030	WHITE BOOKLITE	750	760	2	43170	101.33
			750	780	9	232060	104.00
				777	11	275230	103.58
	7101	K WHITE OFFSET	630	650	8	174970	103.17
				650	8	174970	103.17
	7102	K WHITE OFFSET	580		1		
			580	620	5	90840	106.89
			580	730	1		125.86
				620	7	90840	106.89
	7104	K WHITE OFFSET	550	580	2	43430	105.45
				580	2	43430	105.45
	7120	B W K OFFSET - ANTIQUE	680	700	4	48660	102.94
				700	4	48660	102.94
	7121	B.W. K OFFSET - ANTIQUE	630	650	3	79850	103.17
			630	655	2	69050	103.96
			630	680	1	44080	107.93
				659	6	192980	104.54
	7200	RAVENSWOOD OPAQUE	680	680	3	77800	100.00
			680	730	1	28600	107.35
				693	4	106400	101.98
				719	118	2142570	105.02

SA 865611

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1549	B W J OFFSET	580	510	4	61030	87.93
				510	4	61030	87.93
	1800	PRIDE OPAQUE	750	780	4	71970	104.00
				780	4	71970	104.00
	2000	BRITE LITE THIN	670	710	2	28300	105.97
			670	720	6	69190	107.46
			670	750	2	16840	111.94
				722	10	114330	107.75
	2102	BRITISH OPAQUE	750	780	1	12120	104.00
				780	1	12120	104.00
	2202	IMPERIAL BIBLE	750		1		
			750	700	1	21620	93.33
			750	770	2	26050	102.66
			750	780	1	27150	104.00
				753	5	74820	100.45
	2204	IMPERIAL BIBLE	740	750	1	24110	101.35
				750	1	24110	101.35
	2210	IMPERIAL BIBLE EF NAT RUB	710	750	1	4760	105.63
			710	780	1	4840	109.85
				765	2	9600	107.76
	2223	NATG TEXT BIBLE 80	670	730	1	7450	108.95
			670	750	11	184860	111.94
				749	12	192310	111.82
	2231	ALLIED SPECIAL BIBLE	740	760	2	32680	102.70
				760	2	32680	102.70
	2540	A P LIGHT WEIGHT	670	760	2	16620	113.43
				760	2	16620	113.43
	2546	A.P. LIGHTWEIGHT	710		1		
			710	765	6	103240	107.74
			710	780	1	23740	109.85
				768	8	126980	108.13
	2547	A.P. LIGHTWEIGHT	680		1		
			680	700	1	3080	102.94
			680	710	1	25530	104.41
			680	730	9	142970	107.35
			680	740	2	27030	108.82
			680	760	3	58760	111.76
				736	17	257370	108.17

SD 065612

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7102	K WHITE OFFSET	700	560	1	55880	80.00
			700	580	1	4060	82.85
			700	700	5	90090	100.00
			700	730	1	28120	104.28
			700	740	1	9760	105.71
			700	750	13	319950	107.14
				718	22	507860	102.51
	7104	K WHITE OFFSET	620	590	1	37560	95.16
			620	620	1	11220	100.00
			620	640	1	18780	103.22
			620	650	16	502790	104.83
				645	19	570350	104.05
	7105	K WHITE OFFSET	480	500	3	40800	104.16
				500	3	40800	104.16
	7201	RAVENSWOOD OPAQUE	720	750	1	23720	104.16
				750	1	23720	104.16
	7202	RAVENSWOOD OPAQUE	700	760	2	44240	108.57
				760	2	44240	108.57
	7204	RAVENSWOOD OPAQUE	620	640	1	5280	103.22
				640	1	5280	103.22
	9001	DUPONT PAPER (BLUE)	600	600	13	319180	100.00
			600	620	2	38690	103.33
			600	640	2	45920	106.66
				606	17	403790	101.08
				710	149	3609495	103.37

SR 065613

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1206	SPEC A.M. PRIDE	740	760	2	40480	105.40
				780	2	40480	105.40
	1208	A.M. PRIDE	700	660	3	46400	94.28
			700	680	2	64010	97.14
			700	700	3	98000	100.00
			700	740	9	191895	105.71
			700	760	6	75090	108.57
				719	23	475395	102.72
	1210	GENERIC OFFSET	620	640	3	42580	103.22
			620	650	3	55620	104.83
				646	6	98200	104.13
	2202	IMPERIAL BIBLE	790	780	3	79700	104.00
				780	3	79700	104.00
	2507	SOLITUDE OPAQUE	700		1		
			700	720	2	20840	102.85
				720	3	20840	102.85
	2513	IBM SUPERIOR OFFSET	740	740	1	9600	100.00
			740	750	2	19360	101.35
			740	780	2	34000	105.40
				765	5	62960	103.33
	2535	MANUAL OFFSET	740	780	7	164560	105.40
				780	7	164560	105.40
	3002	SUPERIOR OFFSET	700	680	2	67260	97.14
			700	720	1	49100	102.85
				697	3	116360	99.55
	3024	SUPERIOR OFFSET - ANTIQUE	620	650	1	11880	104.83
				650	1	11880	104.83
	3050	ALLIED'S WESTERN OPAQUE	740	750	4	147260	101.35
			740	780	5	183700	105.40
				767	9	330960	103.60
	5200	TABLET INTERCO	750	780	15	411120	104.00
				780	15	411120	104.00
	7100	K WHITE OFFSET	740	780	5	145080	105.40
				780	5	145080	105.40
	7101	K WHITE OFFSET	720	780	2	55120	108.33
				780	2	55120	108.33

SR 065614

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				630	103	1380790	105.59

SH 065615

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 12,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1401	BRITISH OPAQUE - SERVICE OFFSE	600	640	3	43590	106.66
				640	3	43590	106.66
	2006	BRITE LITE THIN	620	670	1	6870	108.06
			620	680	5	49170	109.67
				679	6	56040	109.47
	2009	ROYAL LITE	620	680	6	78500	109.67
				680	6	78500	109.67
	2200	IMPERIAL BIBLE	600	670	1	3540	111.66
			600	675	1	14400	112.50
				674	2	17940	112.33
	2223	NATO TEXT BIBLE 80	620	670	2	24860	108.06
			620	680	18	260400	109.67
				679	20	285260	109.53
	2240	LAWYERS WHITE OFFSET	600	625	5	116520	104.16
			600	630	10	202540	105.00
				628	15	319060	104.69
	2241	LAWYERS OFFSET	570	560	6	122730	98.24
				560	6	122730	98.24
	2405	SHAKESPEARE THIN	600	630	3	45830	105.00
				630	3	45830	105.00
	2420	SPEC. SHAKESPEARE THIN	620	670	1	16700	108.06
			620	680	5	52980	109.67
				678	6	69680	109.28
	2541	A P LIGHTWEIGHT TY OPA	620	600	1	15160	96.77
			620	660	9	99500	106.45
			620	670	3	36870	108.06
				656	13	151530	105.87
	2542	A P LIGHT WEIGHT	620	630	2	13400	101.61
				630	2	13400	101.61
	2543	A.P. LIGHTWEIGHT	600	630	2	17210	105.00
				630	2	17210	105.00
	3830	WHITE BOOKLITE	600	630	2	10090	105.00
				630	2	10090	105.00
	4400	CIGARETTE TIPPING - CORK	500	500	17	149930	100.00
				500	17	149930	100.00

SA 655616

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J4PS03A

J1469 F

****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
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****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
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****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
****F START JOB 1469 J4PS03A4 KAL ROOM 1.42.07 PM 04 JAN 83 R8.PRI SYS P033
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SA 065617

PROGRAM: N4PS7010 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
RUN TIME: 151706 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982 NOVEMBER, 1982.

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
5	30.00	1203	A.M. PRIDE	152.1	144.0	103.28	402328	371540	5340	366200	91.02
5	40.00	1206	SPEC A.M. PRIDE	14.6	12.1	90.41	38623	26880		26880	69.60
5	33.00	1803	ALLIED PRIDE						1230	1230-	
5	35.00	1805	ALLIED PRIDE	40.4	39.0	105.31	115630	105880		105880	91.57
5	40.00	1810	BW PRIDE OPAQUE						3390	3390-	
5	38.00	2204	IMPERIAL BIBLE	17.4	16.7	104.70	48035	46060		46060	95.89
5	24.00	2210	IMPERIAL BIBLE EF NA	37.7	33.4	96.65	69497	57100	2250	54850	78.92
5	21.00	2223	NATO TEXT BIBLE 80	175.7	160.9	99.90	318400	323450	4410	319040	100.20
5	36.00	2230	WHITE IMPERIAL BIBLE	7.3	6.7	100.12	15919	17090		17090	107.36
5	35.00	2407	SHAKESPEARE THIN	2.7	1.6	64.65	4557	2400		2400	52.67
5	20.00	2420	SPEC. SHAKESPEARE TM	11.5	9.5	90.12	18183	14280		14280	78.53
5	20.00	2540	A P LIGHT WEIGHT	22.9	20.2	96.23	39364	27370	4975	22395	56.89
5	21.00	2541	A P LIGHTWEIGHT TY Q	25.9	23.0	96.88	44434	44050		44050	99.14
5	22.00	2542	A P LIGHT WEIGHT	19.5	16.7	93.43	35588	20740	3400	17340	48.72
5	21.50	6400	CIGARETTE TIPPING -	119.8	76.5	69.66	118730	42110	40860	1250	1.05
	26.71		MACH TOTAL 1.09091	647.5	560.3	94.40	1269288	1098950	549 65855	1033095	81.39
6	35.00	1205	A. M. PRIDE	7.9	5.2	71.81	25973	24150		24150	92.98
6	40.00	1206	SPEC A.M. PRIDE	25.5	20.5	87.70	119106	101730		101730	85.41
6	45.00	1207	A.M. PRIDE	52.3	45.7	95.32	291746	322590		322590	110.57
6	50.00	1208	A.M. PRIDE	26.8	24.2	98.51	163383	156630	5320	151310	92.61
6	60.00	1219	GENERIC OFFSET	8.0	7.8	106.36	57220	64720		64720	113.11
6	40.00	1815	ALLIED PRIDE	.9	.9	109.09	4883	4600		4600	94.20
6	33.00	1823	BW SPECIAL PRIDE	12.2	9.4	84.05	45796	37310		37310	81.47
6	30.00	1840	SPEC ALLIED PRIDE	103.6	96.0	100.89	424332	381290	9670	371620	87.58
6	40.00	2513	IBM SUPERIOR OFFSET	15.6	13.4	93.71	79877	87700		87700	109.79
6	40.00	2536	MANUAL OFFSET	7.6	7.2	103.35	42133	46720	5160	41560	98.64
6	50.00	3002	SUPERIOR OFFSET	.7							
6	30.00	3830	WHITE BOOKLITE	81.1	74.3	99.94	306647	289410	940	288470	94.07
6	39.50	5200	TABLET INTERCO	75.8	72.6	104.49	413324	424950	2300	422650	102.26
6	33.00	6503*	BL WH TRANSLUCENT PA	16.0	14.3	97.50	66904	39170		39170	58.55
6	40.00	7100	K WHITE OFFSET	36.7	34.6	102.85	202477	206570		206570	102.02
6	45.00	7101	K WHITE OFFSET	39.8	34.9	95.66	223906	230750	1950	228800	102.19
6	50.00	7102	K WHITE OFFSET	39.6	37.6	103.58	264082	269570		269570	102.08
6	60.00	7104	K WHITE OFFSET	32.2	31.1	105.36	226805	241880		241880	106.65
6	70.00	7105	K WHITE OFFSET								
6	40.00	7200	RAVENSWOOD OPAQUE	20.0	19.7	107.45	116929	121080		121080	103.55
6	45.00	7201	RAVENSWOOD OPAQUE	36.3	34.5	103.68	220246	248240		248240	112.71
6	29.50	9001	DUPONT PAPER (BLUE)								
	42.19		MACH SUBTOTAL	622.8	569.6	99.77	3228865	3259890	25340	3234550	100.18
	33.00		*MACH SUBTOTAL	16.0	14.3	97.50	66904	39170		39170	58.55
	42.08		MACH TOTAL 1.09091	638.8	583.9	99.72	3295769	3299060	165 25340	3273720	99.33
	38.28		MILL C SUBTOTAL	1270.3	1129.9	97.03	4498153	4358840	91195	4267645	94.88

SP 865618

PROGRAM: N4PS7610 S C M A L L I E D P A P E R I N C. PAGE 2
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
RUN TIME: 151756 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
	33.00		*MILL C SUBTOTAL	16.0	14.3	97.50	66904	39170		39170	58.55
	38.24		MILL C TOTAL	1286.3	1144.2	97.04	4565057	4398010	91195	4306815	94.34
7	30.00	1203	A.M. PRIDE	7.7	5.8	82.17	25451	20560		20560	80.78
7	50.00	1208	A.M. PRIDE	21.3	19.3	98.85	98141	113370	5290	108080	110.13
7	33.00	1803	ALLIED PRIDE	5.7	4.9	93.78	20973	23070		23070	110.00
7	20.00	2000	BRITE LITE THIN	18.5	17.7	104.37	40595	46630	2520	44110	108.66
7	22.00	2001	BRITE LITE THIN	2.5	2.2	96.00	5765	6040		6040	104.77
7	30.00	2202	IMPERIAL BIBLE	11.0	10.6	105.12	38764	39920		39920	102.98
7	20.00	2217	EXTRA WHITE IMPERIAL	63.3	60.4	104.09	149488	164090	1120	162970	109.02
7	20.00	2221	EXTRA WH IMPERIAL BI	13.6	8.5	68.18	18696	22040	4000	18040	96.49
7	20.00	2222	NATO TEXT 80 BIBLE	90.0	82.2	99.64	179256	167330	13880	153450	85.60
7	30.00	2503	SOLITUDE OPAQUE	90.4	74.6	90.02	296903	291560	10340	281220	94.72
7	20.00	2540	A P LIGHT WEIGHT	195.5	170.7	95.25	427858	406660	39230	367430	85.88
7	22.00	2542	A P LIGHT WEIGHT	4.8	4.6	104.55	12820	16860		16860	131.51
7	38.00	3850	WHITE BOOKLITE	9.8	9.3	103.53	39924	41660		41660	104.35
7	40.00	7100	K WHITE OFFSET	19.7	17.8	98.57	91675	101640		101640	110.87
7	45.00	7101	K WHITE OFFSET	1.9	1.6	91.87	8768	9540		9540	108.80
7	50.00	7102	K WHITE OFFSET	74.6	72.5	106.02	366987	420330	2480	417850	113.86
7	45.00	7121	B.W. K OFFSET - ANTI	27.2	26.4	105.88	132000	137000		137000	103.79
	32.89		MACH TOTAL 1.09091	657.5	589.1	97.74	1954064	2028300	78860	1949440	99.76
8	38.00	283	LAUREL TEXT - RS	4.0	2.2	60.00	8151	7610		7610	93.36
8	60.00	289	LAUREL TEXT R.S.	17.5	16.8	104.73	66245	76640		76640	115.69
8	45.00	1000	O.P. OFFSET	37.2	35.6	104.40	178396	194560		194560	109.06
8	40.00	1206	SPEC A.M. PRIDE	22.1	20.9	103.17	89094	101950	3640	98310	110.34
8	50.00	1208	A.M. PRIDE	16.0	15.1	102.95	76820	84480		84480	109.97
8	45.00	1510	B.W. OFFSET MF STD	6.9	6.9	109.09	36498	39480		39480	108.17
8	50.00	1533	B W 'J' OFFSET								
8	35.00	2104	BRITISH OPAQUE	10.3	9.7	102.74	39808	41700	1600	40100	100.73
8	28.00	2528	A M DICTIONARY	260.5	248.7	100.80	769457	752470	26780	725690	94.31
8	40.00	2535	MANUAL OFFSET	27.2	26.7	107.09	115809	126990	1370	125620	108.47
8	40.00	2960	GPO LOT 16 OFFSET						1350	1350-	
8	45.00	3001	SUPERIOR OFFSET	4.0	3.0	81.82	13920	12520		12520	89.94
8	70.00	3005	SUPERIOR OFFSET								
8	40.00	7100	K WHITE OFFSET	3.1	3.1	109.09	14096	18360		18360	130.25
8	45.00	7101	K WHITE OFFSET	2.0	2.0	109.09	9651	5700		5700	59.06
8	50.00	7102	K WHITE OFFSET	142.2	134.3	103.03	739718	782580	3660	778920	105.30
8	55.00	7103	K WHITE OFFSET	3.4	3.4	109.09	19706	21950		21950	111.39
8	60.00	7107	K WHITE OFFSET	4.9	4.5	100.19	19526	22680		22680	116.15
8	60.00	7110	K OFFSET ANT.	5.8	3.1	58.31	15779	18960		18960	120.16
8	45.00	7121	B.W. K OFFSET - ANTI	66.1	64.0	106.62	329048	365960	32170	333790	101.44
8	50.00	7122	BW K OFFSET - ANTIQU	3.3	3.3	109.09	19166	22020		22020	114.89
8	60.00	7124	BW K OFFSET - ANTIQU	7.2	7.2	109.09	37800	39820		39820	105.34
8	48.00	9048*	WHITE AP STICK PAPER	1.3	1.3	109.09	6999	6810		6810	97.30

SR 865619

PROGRAM: N4PS7010 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
RUN TIME: 151756 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC
	43.26		MACH SUBTOTAL	643.7	603.1	102.21	2598688	2736430	70570	2665860	102.58
	48.00		*MACH SUBTOTAL	1.3	1.3	109.09	6999	6810		6810	97.30
	43.27		MACH TOTAL 1.09091	645.0	604.4	102.22	2605687	2743240	70570	2672670	102.57
9	38.00	203	LAUREL TEXT - RS	4.3	3.8	96.41	14505	15290	400	14890	102.65
9	48.00	253	HWT - NON BLEED R.S.	6.7	5.8	94.44	26843	28400		28400	105.80
9	35.00	259	ALLIED MATTE BASE	11.5	10.9	103.40	37898	43910		43910	115.86
9	56.00	270	TYPE V LT BLADE BASE	6.5	6.2	104.06	23703	26670	1110	25560	107.83
9	55.00	274	TYPE 904-B R.S.	53.9	51.2	103.63	264632	245170		245170	92.65
9	60.00	276	TYPE IV E DT BLADE B	9.3	7.6	89.15	36561	41390		41390	113.21
9	45.00	1000	Q.P. OFFSET	26.5	25.2	103.74	122583	135800		135800	110.78
9	40.00	1206	SPEC A.M. PRIDE	3.1	2.8	98.53	12576	13400		13400	106.55
9	60.00	1210	GENERIC OFFSET	4.2	3.9	101.30	19446	23520		23520	120.95
9	40.00	1503	J OFFSET	18.8	18.8	109.09	77775	90870		90870	116.84
9	48.00	1528	BW J OFFSET	21.0	20.3	105.45	94158	102100		102100	108.43
9	35.00	1805	ALLIED PRIDE	15.9	15.1	103.60	56443	62040		62040	109.92
9	40.00	1810	BW PRIDE OPAQUE	10.7	9.0	91.76	37231	36590		36590	98.28
9	30.00	2240	LAWYERS WHITE OFFSET	96.2	87.8	99.57	299251	318520	1030	317490	106.09
9	38.00	2503	SOLITUDE OPAQUE	32.9	29.5	97.82	104027	110580		110580	106.30
9	40.00	2518	IBM SUPERIOR OFFSET	38.1	36.3	103.94	151694	164660		164660	108.55
9	40.00	2535	MANUAL OFFSET	10.0	10.0	109.09	41369	47530		47530	114.89
9	30.00	2543	A.P. LIGHTWEIGHT	19.8	18.3	100.83	60047	63890	850	63040	104.98
9	35.00	2545	A.P. LIGHTWEIGHT	7.1	5.8	89.12	21680	21370		21370	98.57
9	35.00	2990	HEAT SET WEB OFFSET						3760	3760-	
9	40.00	7100	K WHITE OFFSET	51.4	50.5	107.18	217842	250050		250050	114.79
9	45.00	7101	K WHITE OFFSET	52.0	50.5	105.94	234735	260410		260410	110.94
9	50.00	7102	K WHITE OFFSET	91.7	86.4	102.79	401860	460160		460160	114.51
9	55.00	7103	K WHITE OFFSET	19.9	19.2	105.25	88218	98380		98380	111.52
9	60.00	7104	K WHITE OFFSET	23.5	22.5	104.45	110695	126860		126860	114.60
9	40.00	7200	RAVENSWOOD OPAQUE	12.7	12.1	103.94	52684	57660		57660	109.44
9	45.00	7201	RAVENSWOOD OPAQUE	1.3	1.2	100.70	5366	6780		6780	126.35
	44.02		MACH TOTAL 1.09091	649.0	610.7	102.65	2613822	2852000	7150	2844850	108.84
	40.79		MILL D SUBTOTAL	1950.2	1802.9	100.85	7166574	7616730	156580	7460150	104.10
	48.00		*MILL D SUBTOTAL	1.3	1.3	109.09	6999	6810		6810	97.30
	40.79		MILL D TOTAL	1951.5	1804.2	100.86	7173573	7623540	156580	7466960	104.09
	39.87		BOOK MILL SUBTOT	3220.5	2932.8	99.35	11664727	11975570	247775	11727795	100.54
	35.22		*BOOK MILL SUBTOT	17.3	15.6	98.37	73903	45980		45980	62.22
	39.86		BOOK MILL TOTAL	3237.8	2948.4	99.34	11738630	12021550	247775	11773775	100.30
17	50.00	803	LAUREL TEXT	4.4	3.5	87.77	27033	22400		22400	82.86
17	99.99	809	LAUREL TEXT	6.1	5.1	92.26	62825	72840		72840	115.94
17	43.00	812	LAUREL TEXT								

SA 065620

PROGRAM: N4PS7610 S C M A L L I E D P A P E R I N C. PAGE 4
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
RUN TIME: 151756 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
17	55.00	853	M W MASTER - NON BLE	6.5	4.8	81.49	36772	17720		17720	48.19
17	60.00	859	ALLIED MATTE	9.2	7.7	92.35	59663	50960		50960	85.41
17	74.00	870*	MASTERBASE TYPE V LT	9.5	9.5	110.35	35283	25220		25220	71.48
17	78.00	874*	TYPE 904-B	90.1	80.2	98.22	289716	216330		216330	74.67
17	87.50	876*	MASTERBASE TYPE IV D	14.0	13.3	104.83	51965	54900	1040	53860	103.65
	72.75		BLADE SUBTOTAL	26.2	21.1	88.87	186293	163920		163920	87.99
	79.42		*BLADE SUBTOTAL	113.6	103.8	100.05	376964	296450	1040	295410	78.37
	77.05		BLADE COATER 1.10345	139.8	124.1	97.95	563257	460370	1040	459330	81.55
	40.32		GRAND SUBTOTAL	3246.7	2953.9	99.26	11851020	12139490	247775	11891715	100.34
	73.48		*GRAND SUBTOTAL	130.9	118.6	99.83	450867	342430	1040	341390	75.72
	41.23		GRAND TOTAL	3377.6	3072.5	99.28	12301887	12481920	248815	12233105	99.44

SA 065621

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1203	A.M. PRIDE	600	520	1	5800	86.66
			600	550	7	131550	91.66
			600	570	12	189970	95.00
			600	580	2	44220	96.66
				563	22	371540	93.88
	1206	SPEC A.M. PRIDE	540	480	2	26880	88.88
				480	2	26880	88.88
	1805	ALLIED PRIDE	570		1		
			570	520	4	72640	91.22
			570	540	3	33240	94.73
				526	8	105880	92.32
	2204	IMPERIAL BIBLE	570	520	3	46060	91.22
				520	3	46060	91.22
	2210	IMPERIAL BIBLE EF NAT PUB	600	650	6	57100	108.33
				650	6	57100	108.33
	2223	NATO TEXT BIBLE 80	620		1		
			620	670	3	45620	108.06
			620	675	1	13940	108.87
			620	680	20	233830	109.67
			620	690	2	30060	111.29
				679	27	323450	109.56
	2236	WHITE IMPERIAL BIBLE	600	630	3	17090	105.00
				630	3	17090	105.00
	2407	SHAKESPEARE THIN	570	520	1	2400	91.22
				520	1	2400	91.22
	2420	SPEC. SHAKESPEARE THIN	620	680	1	11280	109.67
			620	690	1	3000	111.29
				682	2	14280	110.01
	2540	A P LIGHT WEIGHT	620	620	1	2860	100.00
			620	700	4	24510	112.90
				692	5	27370	111.55
	2541	A P LIGHTWEIGHT TY QPA	620	680	4	44050	109.67
				680	4	44050	109.67
	2542	A P LIGHT WEIGHT	620	670	1	7200	108.06
			620	680	2	8300	109.67
			620	700	3	5240	112.90
				682	6	20740	109.93

SR 065622

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	6400	CIGARETTE TIPPING - CORK	500		3		
			500	480	6	10090	96.00
			500	490	6	29360	98.00
			500	500	2		100.00
			500	680	1	2660	136.00
				500	13	42110	99.92
				605	107	1098950	100.85

SA 065623

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1205	A. M. PRIDE	750	760	1	10080	101.33
			750	780	2	14070	104.00
				772	3	24150	102.89
	1206	SPEC A.M. PRIDE	740	750	1	31860	101.35
			740	760	3	46790	102.70
			740	780	2	23080	105.40
				761	6	101730	102.89
	1207	A.M. PRIDE	720	780	8	322590	108.33
				780	8	322590	108.33
	1208	A.M. PRIDE	700	600	1	53360	85.71
			700	700	2	34730	100.00
			700	740	4	49020	105.71
			700	760	1	19520	108.57
				686	8	156630	97.99
	1210	GENERIC OFFSET	620	670	3	64720	108.06
				670	3	64720	108.06
	1815	ALLIED PRIDE	720	780	1	4600	108.33
				780	1	4600	108.33
	1833	BW SPECIAL PRIDE	750	780	3	37310	104.00
				780	3	37310	104.00
	1840	SPEC ALLIED PRIDE	750	780	15	381290	104.00
				780	15	381290	104.00
	2513	IPM SUPERIOR OFFSET	740	760	3	13100	102.70
			740	780	3	74600	105.40
				777	6	87700	105.00
	2535	MANUAL OFFSET	740	780	2	46720	105.40
				780	2	46720	105.40
	3002	SUPERIOR OFFSET	700		1		
					1		
	3830	WHITE BOOKLITE	750	700	1	4800	93.33
			750	780	16	284610	104.00
				779	17	289410	103.82
	5200	TABLET INTERCO	750		1		
			750	780	16	424950	104.00
				780	17	424950	104.00
	6503	BL WH TRANSLUCENT PATTERN BASE	750	780	6	39170	104.00

SD 065624

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				780	6	39170	104.00
	7100	K WHITE OFFSET	740	770	6	206570	104.05
				770	6	206570	104.05
	7101	K WHITE OFFSET	720	740	1	29940	102.77
			720	760	9	200810	105.55
				757	10	230750	105.19
	7102	K WHITE OFFSET	700		1		
			700	700	2	61960	100.00
			700	740	8	166190	105.71
			700	760	3	41420	108.57
				734	14	269570	104.84
	7104	K WHITE OFFSET	620	610	2	58360	98.38
			620	620	1	64320	100.00
			620	650	4	119200	104.83
				632	7	241880	101.99
	7200	RAVENSWOOD OPAQUE	740	740	3	116200	100.00
			740	750	1	4880	101.35
				740	4	121080	100.05
	7201	RAVENSWOOD OPAQUE	720	780	5	248240	108.33
				780	5	248240	108.33
				754	142	3299060	104.40

SR 065625

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1203	A.M. PRIDE	750	780	3	20560	104.00
				780	3	20560	104.00
	1208	A.M. PRIDE	580	630	9	113370	108.62
				630	9	113370	108.62
	1803	ALLIED PRIDE	750	780	1	23070	104.00
				780	1	23070	104.00
	2000	BRITE LITE THIN	670	750	3	46630	111.94
				750	3	46630	111.94
	2001	BRITE LITE THIN	670	750	2	6040	111.94
				750	2	6040	111.94
	2202	IMPERIAL BIBLE	750	780	2	39920	104.00
				780	2	39920	104.00
	2217	EXTRA WHITE IMPERIAL BIBLE	670	740	8	164090	110.44
				740	8	164090	110.44
	2221	EXTRA WH IMPERIAL BIBLE	670		1		
			670	730	1	12280	108.95
			670	750	1	9760	111.94
				739	3	22040	110.27
	2222	NATO TEXT 80 BIBLE	670	730	8	115240	108.95
			670	750	4	52090	111.94
				736	12	167330	109.88
	2503	SOLITUDE OPAQUE	750		1		
			750	760	6	127290	101.33
			750	780	7	164270	104.00
				771	14	291560	102.83
	2540	A P LIGHT WEIGHT	670		1		
			670	730	1	15480	108.95
			670	750	15	225360	111.94
			670	770	2	39680	114.92
			670	780	3	18920	116.41
			670	785	6	107220	117.16
				762	28	406660	113.70
	2542	A P LIGHT WEIGHT	670	785	2	16860	117.16
				785	2	16860	117.16
	3830	WHITE BODYLITE	750	780	2	41660	104.00
				780	2	41660	104.00

SH 865626

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 6
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7100	K WHITE OFFSET	680		1		
			680	710	4	101640	104.41
				710	5	101640	104.41
	7101	K WHITE OFFSET	630	660	1	9540	104.76
				660	1	9540	104.76
	7102	K WHITE OFFSET	580		1		
			580	620	14	235230	106.89
			580	630	5	101120	108.62
			580	660	2	83980	113.79
				630	22	420330	108.68
	7121	P.*. F OFFSET = ANTIQUE	630	650	3	87350	103.17
			630	720	1	49650	114.28
				675	4	137000	107.20
				717	121	2028300	108.64

SA 065627

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	203	LAUREL TEXT - RS	720	730	1	3960	101.38
			720	750	1	3650	104.16
				740	2	7610	102.71
	209	LAUREL TEXT R.S.	300	330	3	76640	110.00
				330	3	76640	110.00
	1000	O.P. OFFSET	730	770	2	58900	105.47
			730	780	4	135660	106.84
				777	6	194560	106.43
	1206	SPEC A.M. PRIDE	720	780	5	101950	108.33
				780	5	101950	108.33
	1208	A.M. PRIDE	730	720	1	8200	98.63
			730	750	3	76280	102.73
				747	4	84480	102.33
	2510	B.W. OFFSET MF STD	730	770	1	39480	105.47
				770	1	39480	105.47
	2104	BRITISH OPAQUE	730	780	2	41700	106.84
				780	2	41700	106.84
	2528	A H DICTIONARY	730		1		
			730	740	2	39460	101.36
			730	750	4	55560	102.73
			730	760	18	440080	104.10
			730	770	9	217370	105.47
				761	34	752470	104.25
	2535	MANUAL OFFSET	720	780	6	126990	108.33
				780	6	126990	108.33
	3001	SUPERIOR OFFSET	730	780	1	12520	106.84
				780	1	12520	106.84
	7100	K WHITE OFFSET	720	730	1	18360	101.38
				730	1	18360	101.38
	7101	K WHITE OFFSET	730	760	1	5700	104.10
				760	1	5700	104.10
	7102	K WHITE OFFSET	730	700	4	73350	95.89
			730	720	3	87850	98.63
			730	730	5	152380	100.00
			730	740	7	173650	101.36
			730	750	12	295350	102.73
				736	31	782580	100.79

SD 365628

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7103	K WHITE OFFSET	650	740	1	21950	113.84
				740	1	21950	113.84
	7107	K WHITE OFFSET	400	450	1	22680	112.50
				450	1	22680	112.50
	7110	K OFFSET WT.	550	620	2	18960	112.72
				620	2	18960	112.72
	7121	B.W. K OFFSET - ANTIQUE	730	740	3	89540	101.36
			730	760	8	276420	104.10
				755	11	365960	103.43
	7122	BW K OFFSET - ANTIQUE	730	750	2	22020	102.73
				750	2	22020	102.73
	7124	BW K OFFSET - ANTIQUE	590	650	3	39820	110.16
				650	3	39820	110.16
	9048	WHITE AP STICK PAPER	730	760	1	6810	104.10
				760	1	6810	104.10
				739	118	2743240	104.07

SA 065629

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	720	760	3	15290	105.55
				760	3	15290	105.55
	253	HWT - NON BLEED R.S.	600	620	3	28400	103.33
				620	3	28400	103.33
	259	ALLIED MATTE BASE	720	780	3	43910	108.33
				780	3	43910	108.33
	270	TYPE V LT BLADE BASE	470	580	3	26670	123.40
				580	3	26670	123.40
	274	TYPE 904-R R.S.	580	540	4	119710	93.10
			580	560	2	19850	96.55
			550	580	2	56240	100.00
			580	590	1	36500	101.72
			580	640	1	12870	110.34
				563	10	245170	97.15
	276	TYPE IV E DT BLADE BASE	500	560	2	41390	112.00
				560	2	41390	112.00
	1000	C.P. OFFSET	670	700	5	135800	104.47
				700	6	135800	104.47
	1206	SPEC A.M. PRIDE	700	760	1	13400	108.57
				760	1	13400	108.57
	1210	GENERIC OFFSET	550	610	2	23520	110.90
				610	2	23520	110.90
	1503	J OFFSET	700	760	4	90870	108.57
				760	4	90870	108.57
	1528	BW J OFFSET	660	700	4	102100	106.06
				700	4	102100	106.06
	1805	ALLIED PRIDE	720	730	3	62040	101.38
				730	3	62040	101.38
	1810	BW PRIDE (PAGE	700	730	2	16420	104.28
			700	740	2	20170	105.71
				736	4	36590	105.07
	2240	LAWYERS WHITE OFFSET	720		1		
			720	750	1	18850	104.16
			720	760	1	4940	105.55
			720	790	13	294730	108.33
				778	15	318520	108.04

SD 065630

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 10
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2503	SOLITUDE OPAQUE	720	750	5	110580	104.16
				750	5	110580	104.16
	2513	IBM SUPERIOR OFFSET	700	740	4	62050	105.71
			700	760	4	97110	108.57
			700	780	1	5500	111.42
				753	9	164660	107.59
	2535	MANUAL OFFSET	700	730	2	47530	104.28
				730	2	47530	104.28
	2543	A.P& LIGHTWEIGHT	720	730	2	13870	101.38
			720	740	1	11150	102.77
			720	750	1	15650	104.16
			720	760	1	22220	105.55
				747	5	63890	103.80
	2545	A.P& LIGHTWEIGHT	720	720	2	17470	100.00
			720	750	1	3900	104.16
				725	3	21370	100.76
	7100	K WHITE OFFSET	700	750	5	124570	107.14
			700	760	5	125480	108.57
				755	10	250050	107.86
	7101	K WHITE OFFSET	670	700	5	177200	104.47
			670	730	1	3000	108.95
			670	740	3	80210	110.44
				713	9	260410	106.36
	7102	K WHITE OFFSET	630	680	4	73410	107.93
			630	700	13	171430	111.11
			630	710	5	120210	112.69
			630	730	5	33540	115.87
			630	750	6	61570	119.04
				708	33	460160	112.42
	7103	K WHITE OFFSET	590	650	4	66950	112.06
			580	670	1	31530	115.51
				656	5	99380	113.17
	7104	K WHITE OFFSET	550	600	1	42290	109.09
			550	610	2	12190	110.90
			550	620	3	33000	112.72
			550	650	3	39380	118.18
				622	9	126860	113.03
	7200	WAVERLY OPAQUE	700	720	5	57660	102.85

SA 065631

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				720	5	57660	102.85
	7201	RAVENSWOOD OPAQUE	670	700	2	6780	104.47
				700	2	6780	104.47
				707	161	2852000	107.30

SA 065632

MACH SPEED EFFICIE CY BY GRADE THRU WEEK 4 OF MO TH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	1300		4	22400	
					4	22400	
	809	LAUREL TEXT	950		2	72840	
					2	72840	
	853	[illegible] STEP - NON BLEED II	1700		2	17720	
					2	17720	
	859	ALLIED MATTE	1300		3	50960	
					3	50960	
	870	MASTERBASE TYPE V LTLW-S	375		4	25220	
					4	25220	
	874	TY E 3U4--	325		14	216330	
					14	216330	
	876	MASTERBASE TYPE IV DT	320		2	54900	
					2	54900	
					31	460370	

SA 065633

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1203	A.M. PRIDE	120	110	22	371540	91.66
				110	22	371540	91.66
	1206	SPEC A.M. PRIDE	122	105	2	26880	86.06
				105	2	26880	86.06
	1305	LIBERTY BIBLE	105	106	3	15340	100.95
			105	105	5	90540	100.00
				101	4	105880	100.14
	2204	IMPERIAL BIBLE	116	102	3	46060	92.72
				102	3	46060	92.72
	2210	IMPERIAL BIBLE EF DAT PUB	95	102	6	57100	106.25
				102	6	57100	106.25
	2223	NATO TEXT BIBLE	102	104	21	277520	105.88
			102	105	6	45930	102.94
				104	27	323450	105.46
	2236	WHITE IMPERIAL BIBLE	110	108	3	17090	98.18
				108	3	17090	98.18
	2407	SHAKESPEARE THIN	110	101	1	2400	91.81
				101	1	2400	91.81
	2420	SPEC. SHAKESPEARE THIN	110	110	2	14280	100.00
				110	2	14280	100.00
	2540	A P LIGHT WEIGHT	110	112	5	27370	101.81
				112	5	27370	101.81
	2541	A P LIGHTWEIGHT TY OPA	116	105	4	44050	90.51
				105	4	44050	90.51
	2542	A P LIGHT WEIGHT	105	111	6	20740	105.71
				111	6	20740	105.71
	6401	CIGARETTE TIPPING - CORK	114	109	6	13840	95.61
			114	97	12	28270	85.08
				101	18	42110	88.54
				107	107	1098950	97.77

SA 065634

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 2
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1205	A. M. PRIDE	145	135	3	24150	93.10
				135	3	24150	93.10
	1206	SPEC A.M. PRIDE	142	142	3	46790	100.00
			142	137	1	31860	96.47
			142	136	2	23080	95.77
				139	6	101730	97.93
	1207	A.M. PRIDE	142	140	8	322590	98.59
				140	8	322590	98.59
	1208	A.M. PRIDE	148	144	1	19520	97.29
			148	142	4	49020	95.94
			148	132	3	88090	89.18
				137	8	156630	92.31
	1210	GENERIC OFFSET	142	140	4	64720	98.59
				140	3	64720	98.59
	1815	ALLIED PRIDE	148	119	1	4600	80.40
				119	1	4600	80.40
	1833	SPECIAL PRIDE	145	140	3	37310	96.55
				140	3	37310	96.55
	1840	SPEC ALLIED PRIDE	140	139	15	381290	99.28
				139	15	381290	99.28
	2513	194 SUPERIOR OFFSET	140	146	2	53400	104.28
			140	142	1	21200	101.42
			140	133	1	9300	95.00
			140	132	2	38000	94.28
				143	6	87700	102.17
	2535	MANUAL OFFSET	140	140	2	46720	100.00
				140	2	46720	100.00
	3002	SUPERIOR OFFSET	142	146	1		102.81
					1		
	3830	WHITE BOOKLITE	135	146	4	39520	105.79
			138	140	9	92630	101.44
			138	121	10	157260	87.68
				130	17	289410	94.56
	5205	TABLET INTERCO	142	147	2	45590	103.52
			142	146	5	162360	102.81
			142	145	3	53680	102.11
			142	125	2	59440	88.02

SA 065635

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			142	121	4	103880	85.21
				137	17	424950	96.43
	8503	BL WH TRANSLUCENT PATTERN BASE	135	144	3	10570	106.66
			135	128	2	14900	94.81
			135	126	1	9700	93.33
				132	3	39170	97.64
	7100	K WHITE OFFSET	142	140	2	206570	98.59
				140	6	206570	98.59
	7101	K WHITE OFFSET	142	149	3	46700	104.92
			142	140	6	170930	98.59
			142	122	1	13120	85.91
				141	10	230750	99.15
	7102	K WHITE OFFSET	142	147	1	16560	103.52
			142	146	2	33010	102.81
			142	144	2	35780	101.40
			142	140	5	88660	98.59
			142	138	1	10320	97.18
			142	137	2	29600	96.47
			142	132	1	5640	92.95
				142	14	269570	100.16
	7104	K WHITE OFFSET	142	140	1	43480	98.59
			142	139	6	198400	97.88
				139	7	241880	98.01
	7200	RAVENSWOOD BLUE	140	142	4	121080	101.42
				142	4	121080	101.42
	7201	RAVENSWOOD BLUE	140	140	5	248240	100.00
				140	5	248240	100.00
				139	142	3299060	98.07

SA 865636

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1203	A.A. PRIDE	128	138	3	20560	107.81
				138	3	20560	107.81
	1208	A.A. PRIDE	136	138	1	7050	101.47
			136	135	2	36920	99.26
			136	124	2	38160	91.17
			136	121	1	4620	88.97
			136	110	2	22420	80.88
			136	105	1	4200	77.20
				125	9	113370	91.80
	1803	ALLIED PRIDE	136	123	1	23070	90.44
				123	1	23070	90.44
	2000	BRITE LITE THIN	132	122	3	46630	92.42
				122	3	46630	92.42
	2001	BRITE LITE THIN	132	126	2	6040	95.45
				126	2	6040	95.45
	2202	IMPERIAL BIBLE	134	115	2	39920	85.82
				115	2	39920	85.82
	2217	EXTRA WHITE IMPERIAL BIBLE	132	125	8	164090	94.69
				125	8	164090	94.69
	2221	EXTRA WH IMPERIAL BIBLE	132	117	3	22040	88.63
				117	3	22040	88.63
	2222	BIBLE TEXT 30 BIBLE	132	116	12	157330	87.87
				116	12	157330	87.87
	2503	SOLITUDE OPAQUE	134	132	1	11100	98.50
			134	126	6	122670	94.02
			134	125	1	26820	93.28
			134	124	4	109280	92.53
			134	123	2	21690	91.79
				125	14	291560	93.40
	2541	A P LIGHT WEIGHT	105	136	26	389670	128.57
			105	101	2	16990	96.19
				134	28	406660	127.22
	2542	A P LIGHT WEIGHT	133	134	2	16860	100.75
				134	2	16860	100.75
	3830	WHITE TOPLITE	134	135	2	41660	100.74
				135	2	41660	100.74

SA 865637

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUANTITIES	EFFICIENCY
	7100	K WHITE OFFSET	136	137	3	82500	100.73
			136	124	1	10070	91.17
			136	123	1	9070	90.44
				134	5	101640	98.86
	7101	K WHITE OFFSET	136	137	1	9540	100.73
				137	1	9540	100.73
	7102	K WHITE OFFSET	136	137	3	83980	100.73
			136	136	2	15280	100.00
			136	135	1	9100	99.26
			136	134	2	52560	98.52
			136	130	1	4750	95.58
			136	124	2	39460	91.17
			136	122	1	4900	89.70
			136	119	5	15447[illegible]	87.50
			136	110	2	48150	80.88
			136	104	2	7680	76.47
				125	22	420330	91.73
	7121	P.W. K OFFSET - ANTIQUE	136	125	4	137000	91.91
				125	4	137000	91.91
				127	121	2128300	99.71

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	203	LAUREL TEXT - PS	104	96	2	7610	92.30
				96	2	7610	92.30
	209	LAUREL TEXT R.S.	104	106	3	76640	101.92
				106	3	76640	101.92
	1000	O.P. OFF-T	114	105	6	194560	94.73
				105	6	194560	94.73
	1206	SPEC A.M. PRIDE	105	105	5	101950	100.00
				105	5	101950	100.00
	1208	A.M. PRIDE	106	102	1	22380	96.22
			106	98	3	62160	92.45
				99	4	84480	93.45
	1510	A.M. OFFSET MF STD	106	114	1	39480	107.54
				114	1	39480	107.54
	2104	BRITISH OPAQUE	110	114	2	41700	103.63
				114	2	41700	103.63
	2528	A M DICTIONARY	110	111	34	752470	100.90
				111	34	752470	100.90
	2535	MANUAL OFFSET	110	107	4	115710	97.27
			110	105	2	11280	95.45
				107	6	126990	97.11
	3001	SUPERIOR OFFSET	110	100	1	12520	90.90
				100	1	12520	90.90
	7100	K WHITE OFFSET	110	112	1	18360	101.81
				112	1	18360	101.81
	7101	K WHITE OFFSET	110	104	1	5700	94.54
				104	1	5700	94.54
	7102	K WHITE OFFSET	110	115	3	56300	104.54
			110	112	7	241710	101.81
			110	107	2	45480	97.27
			110	105	9	228530	95.45
			110	102	8	141960	92.72
			110	101	1	24990	91.81
			110	89	1	13610	80.90
				107	31	782580	97.66
	7103	K WHITE OFFSET	110	115	1	21950	104.54
				115	1	21950	104.54

SA 065539

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7107	K WHITE OFFSET	110	96	1	22680	87.27
				96	1	22680	87.27
	7110	K OFFSET ANT.	110	101	2	18960	91.81
				101	2	18960	91.81
	7121	B.W. OFFSET - ANTIQUE	110	110	10	356200	100.00
			110	102	1	9760	92.72
				110	11	365960	99.81
	7122	BW K OFFSET - ANTIQUE	110	113	2	22020	102.72
				113	2	22020	102.72
	7124	BW K OFFSET - ANTIQUE	110	105	3	39820	95.45
				105	3	39820	95.45
	9048	WHITE AP STICK PAPER	110	109	1	6810	99.09
				109	1	6810	99.09
				108	118	2743240	98.83

SA 065640

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	104	107	1	4380	102.88
			104	96	2	10910	92.30
				99	3	15290	95.33
	253	HWT - NON SLEED R.S.	104	115	2	13870	110.57
			104	113	1	14530	108.65
				114	3	23400	109.59
	258	ALLIED MITTE BASE	121	113	1	10370	85.12
			121	96	2	32940	79.33
				98	3	43910	80.78
	270	TYPE V LT BLADE BASE	104	114	1	18000	109.61
			104	85	2	8670	81.73
				105	3	26670	100.55
	274	TYPE 904-3 R.S.	110	117	5	112590	106.36
			110	113	5	132580	102.72
				115	10	245170	104.39
	276	TYPE IV E DT BLADE BASE	124	114	2	41390	91.93
				114	2	41390	91.93
	1000	O.P. OFFSET	114	116	1	11080	101.75
			114	114	5	124720	100.00
				114	6	135800	100.14
	1206	SPEC A.M. PRIDE	102	114	1	13400	111.76
				114	1	13400	111.76
	1210	GENERIC OFFSET	110	107	2	23520	97.27
				107	2	23520	97.27
	1503	J OFFSET	105	105	4	90870	100.00
				105	4	90870	100.00
	1528	BW J OFFSET	122	104	4	102100	85.24
				104	4	102100	85.24
	1805	ALLIED PRIDE	110	105	3	62040	95.45
				105	3	62040	95.45
	1810	BW PRIDE OPAQUE	110	105	4	36590	95.45
				105	4	36590	95.45
	2240	LAWYERS WHITE OFFSET	110	113	12	219110	102.72
			110	110	4	100410	100.00
				112	16	319520	101.86

SA 065641

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2503	SOLITUDE OPAQUE	110	116	5	110580	105.45
				116	5	110580	105.45
	2513	IBM SUPERIOR OFFSET	110	114	1	22860	103.63
			110	105	4	141800	95.45
				105	3	164660	96.59
	2535	PATRIOT OFFSET	110	105	2	47530	95.45
				105	2	47530	95.45
	2543	A.P. LIGHTWEIGHT	112	115	1	4160	102.67
			112	110	2	33370	98.21
			112	104	2	26360	92.85
				106	5	63890	96.29
	2545	A.P. LIGHTWEIGHT	110	105	3	21375	95.45
				105	4	21370	95.45
	7100	K WHITE OFFSET	110	116	3	93090	105.45
			110	107	5	125480	97.27
			110	102	2	31480	92.72
				110	10	250050	99.74
	7101	K WHITE OFFSET	110	114	1	3900	103.63
			110	113	4	137040	102.72
			110	105	4	120370	95.45
				109	9	260410	99.37
	7102	K WHITE OFFSET	110	116	3	24840	105.45
			110	114	3	80670	103.63
			110	113	1	17340	102.72
			110	112	1	3940	101.81
			110	107	3	15750	97.27
			110	106	2	55580	96.36
			110	105	9	119480	95.45
			110	102	5	79520	92.72
			110	96	1	16470	87.27
			110	93	1	3150	84.54
			110	90	4	40520	81.81
				105	33	496160	95.89
	7103	K WHITE OFFSET	110	105	2	41910	95.45
			110	104	1	7030	94.54
			110	100	2	49440	90.90
				102	5	98380	93.10
	7104	K WHITE OFFSET	110	115	1	42240	104.54
			110	114	2	12650	103.63
			110	113	2	3150	102.72

SA 065642

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 10
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	LBS	EFFICIENCY
			110	105	2	12190	95.45
			110	100	1	31230	90.90
			110	90	1	20310	81.81
				106	9	126860	96.46
	7200	RAVENSWOOD OPAQUE	110	116	2	17380	105.45
			110	115	1	12650	104.54
			110	105	2	27130	95.45
				111	5	57660	100.55
	7201	RAVENSWOOD OPAQUE	110	105	2	6780	95.45
				105	2	6780	95.45
				109	151	2852000	99.29

SA 065643

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	102	103	1	4160	100.98
			102	93	3	18240	91.17
				95	4	22400	92.99
	809	LAUREL TEXT	102	103	2	72840	100.98
				103	2	72840	100.98
	853	H [illegible] MASTER - NON BLEED II	102	112	1	4520	109.80
			102	110	1	13200	107.64
				111	2	17720	108.34
	859	ALLIED MATTE	102	100	1	11600	98.03
			102	93	2	39360	91.17
				95	3	50960	92.73
	870	MASTERBASE TYPE V LTLW-S	102	111	3	15600	108.82
			102	82	1	9620	80.39
				100	4	25220	97.98
	874	TYPE 904-B	102	114	13	216330	111.76
			102	110	1		107.84
				114	14	216330	111.76
	876	MASTERBASE TYPE IV OT	102	111	2	54900	108.82
				111	2	54900	108.82
				108	31	460370	105.80

SR 065644

PRODUCTION 1982.

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J4PS03A
J2010 F
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****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
****F  START  JOB 2010  J4PS03A4  KAL          ROOM     3.56.38 PM 30 NOV 82  R8.PR1   SYS P033
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SA 065645

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1203	A.M. PRIDE	600	520	1	5800	86.66
			600	550	7	131550	91.66
			600	570	12	189970	95.00
			600	580	2	44220	96.66
				563	22	371540	93.88
	1206	SPEC A.M. PRIDE	540	480	2	26880	88.88
				480	2	26880	88.88
	1805	ALLIED PRIDE	570		1		
			570	520	4	72640	91.22
			570	540	3	33240	94.73
				526	8	105880	92.32
	2204	IMPERIAL BIBLE	570	520	3	46060	91.22
				520	3	46060	91.22
	2210	IMPERIAL BIBLE EF NAT PUB	600	650	6	57100	108.33
				650	6	57100	108.33
	2223	NATO TEXT BIBLE 80	620		1		
			620	670	3	45620	108.06
			620	675	1	13940	108.87
			620	680	20	233830	109.67
			620	690	2	30060	111.29
				679	27	323450	109.56
	2236	WHITE IMPERIAL BIBLE	600	630	3	17090	105.00
				630	3	17090	105.00
	2407	SHAKESPEARE THIN	570	520	1	2400	91.22
				520	1	2400	91.22
	2420	SPEC. SHAKESPEARE THIN	620	680	1	11280	109.67
			620	690	1	3000	111.29
				682	2	14280	110.01
	2540	A P LIGHT WEIGHT	620	620	1	2860	100.00
			620	700	4	24510	112.90
				692	5	27370	111.55
	2541	A P LIGHTWEIGHT TY QPA	620	680	4	44050	109.67
				680	4	44050	109.67
	2542	A P LIGHT WEIGHT	620	670	1	7200	108.06
			620	680	2	8300	109.67
			620	700	3	5240	112.90
				682	6	20740	109.93

SA 065646

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	6400	CIGARETTE TIPPING - CORK	500		3		
			500	480	6	10090	96.00
			500	490	6	29360	98.00
			500	500	2		100.00
			500	680	1	2660	136.00
				500	18	42110	99.92
				605	107	1098950	100.85

SB 065647

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1205	A. M. PRIDE	750	760	1	10080	101.33
			750	780	2	14070	104.00
				772	3	24150	102.89
	1206	SPEC A.M. PRIDE	740	750	1	31860	101.35
			740	760	3	46790	102.70
			740	780	2	23080	105.40
				761	6	101730	102.89
	1207	A.M. PRIDE	720	780	8	322590	108.33
				780	8	322590	108.33
	1208	A.M. PRIDE	700	600	1	53360	85.71
			700	700	2	34730	100.00
			700	740	4	49020	105.71
			700	760	1	19520	108.57
				686	8	156630	97.99
	1210	GENERIC OFFSET	620	670	3	64720	108.06
				670	3	64720	108.06
	1815	ALLIED PRIDE	720	780	1	4600	108.33
				780	1	4600	108.33
	1833	BW SPECIAL PRIDE	750	780	3	37310	104.00
				780	3	37310	104.00
	1840	SPEC ALLIED PRIDE	750	780	15	381290	104.00
				780	15	381290	104.00
	2513	IBM SUPERIOR OFFSET	740	760	3	13100	102.70
			740	780	3	74600	105.40
				777	6	87700	105.00
	2535	MANUAL OFFSET	740	780	2	46720	105.40
				780	2	46720	105.40
	3002	SUPERIOR OFFSET	700		1		
					1		
	3830	WHITE BOOKLITE	750	700	1	4800	93.33
			750	780	16	284610	104.00
				779	17	289410	103.82
	5200	TABLET INTERCO	750		1		
			750	780	16	424950	104.00
				780	17	424950	104.00
	6503	BL WH TRANSLUCENT PATTERN BASE	750	780	6	39170	104.00

SD 865648

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				780	6	39170	104.00
	7100	K WHITE OFFSET	740	770	6	206570	104.05
				770	6	206570	104.05
	7101	K WHITE OFFSET	720	740	1	29940	102.77
			720	760	9	200810	105.55
				757	10	230750	105.19
	7102	K WHITE OFFSET	700		1		
			700	700	2	61960	100.00
			700	740	8	166190	105.71
			700	760	3	41420	108.57
				734	14	269570	104.84
	7104	K WHITE OFFSET	620	610	2	58360	98.38
			620	620	1	64320	100.00
			620	650	4	119200	104.83
				632	7	241880	101.99
	7200	RAVENSWOOD OPAQUE	740	740	3	116200	100.00
			740	750	1	4880	101.35
				740	4	121080	100.05
	7201	RAVENSWOOD OPAQUE	720	780	5	248240	108.33
				780	5	248240	108.33
				754	142	3299060	104.40

SA 065649

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 5
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1203	A.M.S PRIDE	750	780	3	20560	104.00
				780	3	20560	104.00
	1208	A.M.S PRIDE	580	630	9	113370	108.62
				630	9	113370	108.62
	1803	ALLIED PRIDE	750	780	1	23070	104.00
				780	1	23070	104.00
	2000	BRITE LITE THIN	670	750	3	46630	111.94
				750	3	46630	111.94
	2001	BRITE LITE THIN	670	750	2	6040	111.94
				750	2	6040	111.94
	2202	IMPERIAL BIBLE	750	780	2	39920	104.00
				780	2	39920	104.00
	2217	EXTRA WHITE IMPERIAL BIBLE	670	740	8	164090	110.44
				740	8	164090	110.44
	2221	EXTRA WH IMPERIAL BIBLE	670		1		
			670	730	1	12280	108.95
			670	750	1	9760	111.94
				739	3	22040	110.27
	2222	NATO TEXT 80 BIBLE	670	730	8	115240	108.95
			670	750	4	52090	111.94
				736	12	167330	109.88
	2503	SOLITUDE OPAQUE	750		1		
			750	760	6	127290	101.33
			750	780	7	164270	104.00
				771	14	291560	102.83
	2540	A P LIGHT WEIGHT	670		1		
			670	730	1	15480	108.95
			670	750	15	225360	111.94
			670	770	2	39680	114.92
			670	780	3	18920	116.41
			670	785	6	107220	117.16
				762	28	406660	113.70
	2542	A P LIGHT WEIGHT	670	785	2	16860	117.16
				785	2	16860	117.16
	3830	WHITE BOOKLITE	750	780	2	41660	104.00
				780	2	41660	104.00

SR 06550

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7100	K WHITE OFFSET	680		1		
			680	710	4	101640	104.41
				710	5	101640	104.41
	7101	K WHITE OFFSET	630	660	1	9540	104.76
				660	1	9540	104.76
	7102	K WHITE OFFSET	580		1		
			580	620	14	235230	106.89
			580	630	5	101120	108.62
			580	660	2	83980	113.79
				630	22	420330	108.68
	7121	B.W& K OFFSET - ANTIQUE	630	650	3	87350	103.17
			630	720	1	49650	114.28
				675	4	137000	107.20
				717	121	2028300	108.64

SH 8655651

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	203	LAUREL TEXT - RS	720	730	1	3960	101.38
			720	750	1	3650	104.16
				740	2	7610	102.71
	209	LAUREL TEXT R.S.	300	330	3	76640	110.00
				330	3	76640	110.00
	1000	Q.P. OFFSET	730	770	2	58900	105.47
			730	780	4	135660	106.84
				777	6	194560	106.43
	1206	SPEC A.M. PRIDE	720	780	5	101950	108.33
				780	5	101950	108.33
	1208	A.M. PRIDE	730	720	1	8200	98.63
			730	750	3	76280	102.73
				747	4	84480	102.33
	1510	B.W. OFFSET MF STD	730	770	1	39480	105.47
				770	1	39480	105.47
	2104	BRITISH OPAQUE	730	780	2	41700	106.84
				780	2	41700	106.84
	2528	A H DICTIONARY	730		1		
			730	740	2	39460	101.36
			730	750	4	55560	102.73
			730	760	18	440080	104.10
			730	770	9	217370	105.47
				761	34	752470	104.25
	2535	MANUAL OFFSET	720	780	6	126990	108.33
				780	6	126990	108.33
	3001	SUPERIOR OFFSET	730	780	1	12520	106.84
				780	1	12520	106.84
	7100	K WHITE OFFSET	720	730	1	18360	101.38
				730	1	18360	101.38
	7101	K WHITE OFFSET	730	760	1	5700	104.10
				760	1	5700	104.10
	7102	K WHITE OFFSET	730	700	4	73350	95.89
			730	720	3	87850	98.63
			730	730	5	152380	100.00
			730	740	7	173650	101.36
			730	750	12	295350	102.73
				736	31	782580	100.79

SA 065652

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7103	K WHITE OFFSET	650	740	1	21950	113.84
				740	1	21950	113.84
	7107	K WHITE OFFSET	400	450	1	22680	112.50
				450	1	22680	112.50
	7110	K OFFSET ANT.	550	620	2	18960	112.72
				620	2	18960	112.72
	7121	B.W. K OFFSET - ANTIQUE	730	740	3	89540	101.36
			730	760	8	276420	104.10
				755	11	365960	103.43
	7122	BW K OFFSET - ANTIQUE	730	750	2	22020	102.73
				750	2	22020	102.73
	7124	BW K OFFSET - ANTIQUE	590	650	3	39820	110.16
				650	3	39820	110.16
	9048	WHITE AP STICK PAPER	730	760	1	6810	104.10
				760	1	6810	104.10
				738	118	2743240	104.07

SP 06553

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 9
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	720	760	3	15290	105.55
				760	3	15290	105.55
	253	HWT - NON BLEED R.S.	600	620	3	28400	103.33
				620	3	28400	103.33
	259	ALLIED MATTE BASE	720	780	3	43910	108.33
				780	3	43910	108.33
	270	TYPE V LT BLADE BASE	470	580	3	26670	123.40
				580	3	26670	123.40
	274	TYPE 904-B R.S.	580	540	4	119710	93.10
			580	560	2	19850	96.55
			580	580	2	56240	100.00
			580	590	1	36500	101.72
			580	640	1	12870	110.34
				563	10	245170	97.15
	276	TYPE IV E DT BLADE BASE	500	560	2	41390	112.00
				560	2	41390	112.00
	1000	Q.P. OFFSET	670	700	6	135800	104.47
				700	6	135800	104.47
	1205	SPEC A.M. PRIDE	700	760	1	13400	108.57
				760	1	13400	108.57
	1210	GENERIC OFFSET	550	610	2	23520	110.90
				610	2	23520	110.90
	1503	J OFFSET	700	760	4	90870	108.57
				760	4	90870	108.57
	1528	BW J OFFSET	660	700	4	102100	106.06
				700	4	102100	106.06
	1805	ALLIED PRIDE	720	730	3	62040	101.38
				730	3	62040	101.38
	1810	BW PRIDE OPAQUE	700	730	2	16420	104.28
			700	740	2	20170	105.71
				736	4	36590	105.07
	2240	LAWYERS WHITE OFFSET	720		1		
			720	750	1	18850	104.16
			720	760	1	4940	105.55
			720	780	13	294730	108.33
				778	16	318520	108.04

SR 065654

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2503	SOLITUDE OPAQUE	720	750	5	110580	104.16
				750	5	110580	104.16
	2513	IBM SUPERIOR OFFSET	700	740	4	62050	105.71
			700	760	4	97110	108.57
			700	780	1	5500	111.42
				753	9	164660	107.59
	2535	MANUAL OFFSET	700	730	2	47530	104.28
				730	2	47530	104.28
	2543	A.P. LIGHTWEIGHT	720	730	2	13870	101.38
			720	740	1	11150	102.77
			720	750	1	16650	104.16
			720	760	1	22220	105.55
				747	5	63890	103.80
	2545	A.P. LIGHTWEIGHT	720	720	2	17470	100.00
			720	750	1	3900	104.16
				725	3	21370	100.76
	7100	K WHITE OFFSET	700	750	5	124570	107.14
			700	760	5	125480	108.57
				755	10	250050	107.86
	7101	K WHITE OFFSET	670	700	5	177200	104.47
			670	730	1	3000	108.95
			670	740	3	80210	110.44
				713	9	260410	106.36
	7102	K WHITE OFFSET	630	680	4	73410	107.93
			630	700	13	171430	111.11
			630	710	5	120210	112.69
			630	730	5	33540	115.87
			630	750	6	61570	119.04
				708	33	460160	112.42
	7103	K WHITE OFFSET	580	650	4	66850	112.06
			580	670	1	31530	115.51
				656	5	98380	113.17
	7104	K WHITE OFFSET	550	600	1	42290	109.09
			550	610	2	12190	110.90
			550	620	3	33000	112.72
			550	650	3	39380	118.18
				622	9	126860	113.03
	7200	RAVENSWOOD OPAQUE	700	720	5	57660	102.85

SH 065655

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				720	5	57660	102.85
	7201	RAVENSWOOD OPAQUE	670	700	2	6780	104.47
				700	2	6780	104.47
				707	161	2852000	107.30

SA 865656

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	1300		4	22400	
					4	22400	
	809	LAUREL TEXT	950		2	72840	
					2	72840	
	853	H W MASTER - NON BLEED II	1000		2	17720	
					2	17720	
	859	ALLIED MATTE	1300		3	50960	
					3	50960	
	870	MASTERBASE TYPE V LTLW-S	375		4	25220	
					4	25220	
	874	TYPE 904-B	325		14	216330	
					14	216330	
	876	MASTERBASE TYPE IV DT	320		2	54900	
					2	54900	
					31	460370	

SB 865657

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1203	A.M. PRIDE	120	110	22	371540	91.66
				110	22	371540	91.66
	1206	SPEC A.M. PRIDE	122	105	2	26880	86.06
				105	2	26880	86.06
	1805	ALLIED PRIDE	105	106	3	15340	100.95
			105	105	5	90540	100.00
				105	8	105880	100.14
	2204	IMPERIAL BIBLE	110	102	3	46060	92.72
				102	3	46060	92.72
	2210	IMPERIAL BIBLE EF NAT PUB	96	102	6	57100	106.25
				102	6	57100	106.25
	2223	NATO TEXT BIBLE 80	102	108	21	277520	105.88
			102	105	6	45930	102.94
				108	27	323450	105.46
	2236	WHITE IMPERIAL BIBLE	110	108	3	17090	98.18
				108	3	17090	98.18
	2407	SHAKESPEARE THIN	110	101	1	2400	91.81
				101	1	2400	91.81
	2420	SPEC. SHAKESPEARE THIN	110	110	2	14280	100.00
				110	2	14280	100.00
	2540	A P LIGHT WEIGHT	110	112	5	27370	101.81
				112	5	27370	101.81
	2541	A P LIGHTWEIGHT TY QPA	116	105	4	44050	90.51
				105	4	44050	90.51
	2542	A P LIGHT WEIGHT	105	111	6	20740	105.71
				111	6	20740	105.71
	6400	CIGARETTE TIPPING - CORK	114	109	6	13840	95.61
			114	97	12	28270	85.08
				101	18	42110	88.54
				107	107	1098950	97.77

SA 865638

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1205	A. M. PRIDE	145	135	3	24150	93.10
				135	3	24150	93.10
	1206	SPEC A.M. PRIDE	142	142	3	46790	100.00
			142	137	1	31860	96.47
			142	136	2	23080	95.77
				139	6	101730	97.93
	1207	A.M. PRIDE	142	140	8	322590	98.59
				140	8	322590	98.59
	1208	A.M. PRIDE	148	144	1	19520	97.29
			148	142	4	49020	95.94
			148	132	3	88090	89.18
				137	8	156630	92.31
	1210	GENERIC OFFSET	142	140	3	64720	98.59
				140	3	64720	98.59
	1815	ALLIED PRIDE	148	119	1	4600	80.40
				119	1	4600	80.40
	1833	BW SPECIAL PRIDE	145	140	3	37310	96.55
				140	3	37310	96.55
	1840	SPEC ALLIED PRIDE	140	139	15	381290	99.28
				139	15	381290	99.28
	2513	19M SUPERIOR OFFSET	140	146	2	53400	104.28
			140	142	1	21200	101.42
			140	133	1	9300	95.00
			140	132	2	3800	94.28
				143	6	87700	102.17
	2535	MANUAL OFFSET	140	140	2	46720	100.00
				140	2	46720	100.00
	3002	SUPERIOR OFFSET	142	146	1		102.81
					1		
	3830	WHITE HOOKLITE	138	146	4	39520	105.79
			138	140	3	92630	101.44
			138	121	10	157260	87.68
				130	17	289410	94.56
	5200	TABLET INTERCO	142	147	2	45590	103.52
			142	146	6	162360	102.81
			142	145	3	53680	102.11
			142	125	2	59440	88.02

SA 865659

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			142	121	4	103880	85.21
				137	17	424950	96.43
	6503	BL WH TRANSLUCENT PATTERN BASE	135	144	3	10570	106.66
			135	128	2	18900	94.81
			135	126	1	9700	93.33
				132	6	39170	97.64
	7100	K WHITE OFFSET	142	140	6	206570	98.59
				140	6	206570	98.59
	7101	K WHITE OFFSET	142	149	3	46700	104.92
			142	140	6	170930	98.59
			142	122	1	13120	85.91
				141	10	230750	99.15
	7102	K WHITE OFFSET	142	147	1	16560	103.52
			142	146	2	83010	102.81
			142	144	2	35780	101.40
			142	140	5	88660	98.59
			142	138	1	10320	97.18
			142	137	2	29600	96.47
			142	132	1	5640	92.95
				142	14	269570	100.16
	7104	K WHITE OFFSET	142	140	1	43480	98.59
			142	139	6	198400	97.88
				139	7	241880	98.01
	7200	RAVENSWOOD OPAQUE	140	142	4	121080	101.42
				142	4	121080	101.42
	7201	RAVENSWOOD OPAQUE	140	140	5	248240	100.00
				140	5	248240	100.00
				139	142	3299060	98.07

SA 065660

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1203	A.M. PRIDE	128	138	3	20560	107.81
				138	3	20560	107.81
	1208	A.M. PRIDE	136	138	1	7050	101.47
			136	135	2	36920	99.26
			136	124	2	38160	91.17
			136	121	1	4620	88.97
			136	119	2	22420	90.88
			136	105	1	4200	77.20
				125	9	113370	91.80
	1803	ALLIED PRIDE	136	123	1	23070	90.44
				123	1	23070	90.44
	2000	BRITE LITE THIN	132	122	3	46630	92.42
				122	3	46630	92.42
	2001	BRITE LITE THIN	132	126	2	6040	95.45
				126	2	6040	95.45
	2202	IMPERIAL BIBLE	134	115	2	39920	85.82
				115	2	39920	85.82
	2217	EXTRA WHITE IMPERIAL BIBLE	132	125	8	164090	94.69
				125	8	164090	94.69
	2221	EXTRA WH IMPERIAL BIBLE	132	117	3	22040	88.63
				117	3	22040	88.63
	2222	NATO TEXT 80 BIBLE	132	116	12	167330	87.87
				116	12	167330	87.87
	2503	SOLITUDE OPAQUE	134	132	1	11100	98.50
			134	126	6	122670	94.02
			134	125	1	26820	93.28
			134	124	4	109280	92.53
			134	123	2	21690	91.79
				125	14	291560	93.40
	2540	A P LIGHT WEIGHT	105	135	26	389670	128.57
			105	101	2	16990	96.19
				134	28	406660	127.22
	2542	A P LIGHT WEIGHT	133	134	2	16860	100.75
				134	2	16860	100.75
	3830	WHITE BOOKLITE	134	135	2	41660	100.74
				135	2	41660	100.74

SA 065661

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7100	K WHITE OFFSET	136	137	3	82500	100.73
			136	124	1	10070	91.17
			136	123	1	9070	90.44
				134	5	101640	98.86
	7101	K WHITE OFFSET	136	137	1	9540	100.73
				137	1	9540	100.73
	7102	K WHITE OFFSET	136	137	3	83980	100.73
			136	136	2	15280	100.00
			136	135	1	9100	99.26
			136	134	2	52560	98.52
			136	130	1	4750	95.58
			136	124	2	39460	91.17
			136	122	1	4900	89.70
			136	119	6	154470	87.50
			136	110	2	48150	80.88
			136	104	2	7680	76.47
				125	22	420330	91.73
	7121	B.W. K OFFSET - ANTIQUE	136	125	4	137000	91.91
				125	4	137000	91.91
				127	121	2028300	99.71

SA 065662

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	203	LAUREL TEXT - RS	104	96	2	7610	92.30
				96	2	7610	92.30
	209	LAUREL TEXT R.S.	104	106	3	76640	101.92
				106	3	76640	101.92
	1000	O.P. OFFSET	114	108	6	194560	94.73
				108	6	194560	94.73
	1206	SPEC A.M. PRIDE	105	105	5	101950	100.00
				105	5	101950	100.00
	1208	A.M. PRIDE	106	102	1	22380	96.22
			106	98	3	62100	92.45
				99	4	84480	93.45
	1510	H.W. OFFSET MF STD	106	114	1	39480	107.54
				114	1	39480	107.54
	2104	BRITISH OPAQUE	110	114	2	41700	103.63
				114	2	41700	103.63
	2528	A H DICTIONARY	110	111	34	752470	100.90
				111	34	752470	100.90
	2535	MANUAL OFFSET	110	107	4	115710	97.27
			110	105	2	11280	95.45
				107	6	126990	97.11
	3001	SUPERIOR OFFSET	110	100	1	12520	90.90
				100	1	12520	90.90
	7100	K WHITE OFFSET	110	112	1	18360	101.81
				112	1	18360	101.81
	7101	K WHITE OFFSET	110	104	1	5700	94.54
				104	1	5700	94.54
	7102	K WHITE OFFSET	110	115	3	86300	104.54
			110	112	7	241710	101.81
			110	107	2	45480	97.27
			110	105	9	228530	95.45
			110	102	8	141960	92.72
			110	101	1	24990	91.81
			110	89	1	13610	80.90
				107	31	782580	97.66
	7103	K WHITE OFFSET	110	115	1	21950	104.54
				115	1	21950	104.54

SH 865663

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7107	K WHITE OFFSET	110	96	1	22680	87.27
				96	1	22680	87.27
	7110	K OFFSET ANT.	110	101	2	18960	91.81
				101	2	18960	91.81
	7121	B.W. K OFFSET - ANTIQUE	110	110	10	356200	100.00
			110	102	1	9760	92.72
				110	11	365960	99.81
	7122	BW K OFFSET - ANTIQUE	110	113	2	22020	102.72
				113	2	22020	102.72
	7124	BW K OFFSET - ANTIQUE	110	105	3	39820	95.45
				105	3	39820	95.45
	9048	WHITE AP STICK PAPER	110	109	1	6810	99.09
				109	1	6810	99.09
				108	118	2743240	98.83

SA 065664

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	104	107	1	4380	102.88
			104	96	2	10910	92.30
				99	3	15290	95.33
	253	HWT - NON BLEED R.S.	104	115	2	13870	110.57
			104	113	1	14530	108.65
				114	3	28400	109.59
	259	ALLIED MATTE BASE	121	103	1	10970	85.12
			121	96	2	32940	79.33
				98	3	43910	80.78
	270	TYPE V LT BLADE BASE	104	114	1	18000	109.61
			104	85	2	8670	81.73
				105	3	26670	100.55
	274	TYPE 904-B R.S.	110	117	5	112590	106.36
			110	113	5	132580	102.72
				115	10	245170	104.39
	276	TYPE IV E DT BLADE BASE	124	114	2	41390	91.93
				114	2	41390	91.93
	1000	Q.P. OFFSET	114	116	1	11080	101.75
			114	114	5	124720	100.00
				114	6	135800	100.14
	1206	SPEC A.M. PRIDE	102	114	1	13400	111.76
				114	1	13400	111.76
	1210	GENERIC OFFSET	110	107	2	23520	97.27
				107	2	23520	97.27
	1503	J OFFSET	105	105	4	90870	100.00
				105	4	90870	100.00
	1528	BW J OFFSET	122	104	4	102100	85.24
				104	4	102100	85.24
	1805	ALLIED PRIDE	110	105	3	62040	95.45
				105	3	62040	95.45
	1810	BW PRIDE OPAQUE	110	105	4	36590	95.45
				105	4	36590	95.45
	2240	LAWYERS WHITE OFFSET	110	113	12	218110	102.72
			110	110	4	100410	100.00
				112	16	318520	101.86

SA 065665

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 9
RUN DATE: 11/30/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2503	SOLITUDE OPAQUE	110	116	5	110580	105.45
				116	5	110580	105.45
	2513	IBM SUPERIOR OFFSET	110	114	1	22860	103.63
			110	105	8	141800	95.45
				106	9	164660	96.59
	2535	MANUAL OFFSET	110	105	2	47530	95.45
				105	2	47530	95.45
	2543	A.P. LIGHTWEIGHT	112	115	1	4160	102.67
			112	110	2	33370	98.21
			112	104	2	26360	92.85
				108	5	63890	96.29
	2545	A.P. LIGHTWEIGHT	110	105	3	21370	95.45
				105	3	21370	95.45
	7100	K WHITE OFFSET	110	116	3	93090	105.45
			110	107	5	125480	97.27
			110	102	2	31480	92.72
				110	10	250050	99.74
	7101	K WHITE OFFSET	110	114	1	3000	103.63
			110	113	4	137040	102.72
			110	105	4	120370	95.45
				109	9	260410	99.37
	7102	K WHITE OFFSET	110	116	3	24840	105.45
			110	114	3	80670	103.63
			110	113	1	17340	102.72
			110	112	1	3840	101.81
			110	107	3	18750	97.27
			110	106	2	55580	96.36
			110	105	9	119480	95.45
			110	102	5	79520	92.72
			110	96	1	16470	87.27
			110	93	1	3150	84.54
			110	90	4	40520	81.81
				105	33	460160	95.89
	7103	K WHITE OFFSET	110	105	2	41910	95.45
			110	104	1	7030	94.54
			110	100	2	49440	90.90
				102	5	98380	93.10
	7104	K WHITE OFFSET	110	115	1	42290	104.54
			110	114	2	12690	103.63
			110	113	2	8150	102.72

SA 865666

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			110	105	2	12190	95.45
			110	100	1	31230	90.90
			110	90	1	20310	81.81
				106	9	126860	96.46
	7200	RAVENSWOOD OPAQUE	110	116	2	17880	105.45
			110	115	1	12650	104.54
			110	105	2	27130	95.45
				111	5	57660	100.55
	7201	RAVENSWOOD OPAQUE	110	105	2	6780	95.45
				105	2	6780	95.45
				109	161	2652000	98.29

SA 065667

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 11,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	102	103	1	4160	100.98
			102	93	3	18240	91.17
				95	4	22400	92.99
	809	LAUREL TEXT	102	103	2	72840	100.98
				103	2	72840	100.98
	853	H W MASTER - NON BLEED II	102	112	1	4520	109.80
			102	110	1	13200	107.84
				111	2	17720	108.34
	859	ALLIED MATTE	102	100	1	11600	98.03
			102	93	2	39360	91.17
				95	3	50960	92.73
	870	MASTERBASE TYPE V LTLW-S	102	111	3	15600	108.82
			102	82	1	9620	80.39
				100	4	25220	97.98
	874	TYPE 904-B	102	114	13	216330	111.76
			102	110	1		107.84
				114	14	216330	111.76
	876	MASTERBASE TYPE IV DT	102	111	2	54900	108.82
				111	2	54900	108.82
				108	31	460370	105.80

SA 865568

PROGRAM: N4PS7610 — S C M A L L I E D P A P E R I N C. — PAGE 1
RUN DATE: 11/03/82 — DAILY PRODUCTION SYSTEM
RUN TIME: 152329 — PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982 — OCTOBER. 1982.

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC
5	40.00	1200	SPEC A.M. PRIDE	12.7	10.2	87.62	32557	25000		25000	76.79
5	33.00	1803	ALLIED PRIDE	17.7	17.1	105.39	51709	44600		44600	86.25
5	40.00	1810	BW PRIDE OPAQUE	1.3	1.0	83.92	3617	3390		3390	93.72
5	22.00	2001	BRITE LITE THIN	8.3	6.7	88.06	12220	8190		8190	67.02
5	24.00	2002	BRITE LITE THIN	27.8	26.0	102.03	57281	59550	3120	56430	98.51
5	21.00	2006	BRITE LITE THIN	9.5	8.1	93.01	15052	15180		15180	100.85
5	35.00	2104	BRITISH OPAQUE	14.8	13.4	98.77	43076	40470		40470	93.95
5	40.00	2200	IMPERIAL BIBLE	21.3	20.3	103.97	48199	52020	1050	50970	105.75
5	40.00	2222	NATO TEXT 80 BIBLE	14.3	10.7	81.63	19920	5370	1050	4320	21.69
5	40.00	2223	NATO TEXT BIBLE 80	77.8	74.5	104.46	148041	153740	8730	145010	97.95
5	30.00	2240	LAWYERS WHITE OFFSET	76.8	72.7	103.27	217891	226000	1100	224900	103.22
5	35.00	2407	SHAKESPEARE THIN	10.9	10.5	105.09	29801	31110		31110	104.39
5	30.00	2503	SOLITUDE OPAQUE	15.3	14.8	105.53	42854	46820		46820	109.23
5	45.00	2506	SOLITUDE OPAQUE	36.0	33.4	101.21	111520	101940	1320	100620	90.23
5	40.00	2535	MANUAL OFFSET	14.2	13.5	103.71	43091	45260		45260	105.03
5	32.00	2542	A P LIGHT WEIGHT	51.8	46.1	97.09	92502	87010	2380	84630	91.49
5	38.00	3830	WHITE HOOKLITE	228.7	215.6	102.84	635231	664910	5800	659110	103.76
5	21.50	6400	CIGARETTE TIPPING -						7180	7180	
5	45.00	7101	K WHITE OFFSET	6.5	6.5	109.09	23150	18560		18560	80.17
5	45.00	7121	B.W. K OFFSET - ANTI	3.0	2.9	105.45	10420	9500		9500	91.17
	30.14		MACH TOTAL 1.09091	648.7	604.0	101.57	1638132	1638620	31730	1606890	98.09
6	40.00	1200	SPEC A.M. PRIDE	17.0	15.2	97.54	89175	91850	3700	88150	98.85
6	45.00	1207	A.M. PRIDE	5.4	4.3	86.87	26470	24600		24600	92.94
6	38.00	1208	A.M. PRIDE	110.7	106.7	105.15	714395	772730	1240	771490	107.99
6	40.00	1210	GENERIC OFFSET	5.7	5.0	95.69	36679	29320		29320	79.94
6	35.00	2435	SPEC. SHAKESPEARE TH	31.5	23.4	81.04	123807	130760	5700	125060	101.01
6	35.00	2504	SOLITUDE OPAQUE								
6	40.00	2513	IHM SUPERIOR OFFSET	23.5	19.8	91.91	115867	102970	1250	101720	87.79
6	40.00	2535	MANUAL OFFSET	37.5	35.4	102.98	204403	218850	1300	217550	106.43
6	50.00	2536	I B M MANUAL								
6	45.00	2970	GPO OFFSET (JCP) A60	77.8	72.1	101.10	462131	461040	6300	454740	98.40
6	60.00	3004	SUPERIOR OFFSET	2.9	2.0	75.24	14672	7020		7020	47.85
6	38.00	3040	SPECIAL SUPERIOR BOO								
6	40.00	7100	K WHITE OFFSET	20.4	19.6	104.81	116378	125620	2290	123330	105.97
6	45.00	7101	K WHITE OFFSET	48.6	44.1	98.99	264292	282770		282770	106.99
6	58.00	7102	K WHITE OFFSET	80.4	75.3	102.17	515816	558080	6320	551760	106.97
6	60.00	7104	K WHITE OFFSET	7.0	6.7	104.42	50204	55410		55410	110.37
6	68.00	7124	BW K OFFSET - ANTIQU	.5	.5	109.09	3615	2900		2900	80.22
6	50.00	7202	RAVENSWOOD OPAQUE	6.8	6.6	105.88	45644	45640	1060	44580	97.67
6	29.50	9001	DUPONT PAPER (BLUE)	164.0	139.3	92.66	515410	495860	3680	492180	95.49
	44.01		MACH TOTAL 1.09091	639.7	576.0	98.23	3298958	3405420	32840	3372580	102.23
	39.50		MILL C TOTAL	1288.4	1180.0	99.91	4937090	5044040	64570	4979470	100.86

SB 86569

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STO	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC
7	38.00	1100	E. B. NEW SHADE	28.2	23.2	89.75	101808	90900	30620	60280	59.21
7	30.00	1203	A.M. PRIDE	6.9	6.2	98.02	25855	25920		25920	100.25
7	30.00	1800	PRIDE OPAQUE	20.4	16.0	85.56	54441	55000	9390	45610	83.78
7	27.00	2006	BRITE LITE THIN								
7	31.00	2009	ROYAL LITE						1670	1670	
7	33.00	2013	BRITELITE THIN						1770	1770	
7	35.00	2104	BRITISH OPAQUE	30.6	27.8	99.11	122096	126350	2700	123650	101.27
7	30.00	2202	IMPERIAL BIBLE	12.6	11.8	102.16	43152	42680	3500	39180	90.80
7	35.00	2231	ALLIED SPECIAL BIBLE	151.7	144.7	104.06	656698	666380	1750	664630	101.21
7	30.00	2240	LAWYERS WHITE OFFSET	32.5	27.8	93.31	101663	96340	3180	93160	91.64
7	35.00	2260	ATLA OPAQUE	9.3	8.5	99.71	42620	45480		45480	106.71
7	35.00	2408	SHAKESPEARE THIN	21.0	19.5	101.30	78717	86770		86770	110.23
7	35.00	2407	SHAKESPEARE THIN	3.0	2.6	94.55	12180	10120		10120	83.09
7	32.00	2515	SOLITUDE OPAQUE - IY	31.8	30.5	104.63	124369	139470	4890	134580	108.21
7	35.00	2522	SPECIAL SOLITUDE OPA	7.7	7.2	102.01	33202	36920		36920	111.20
7	20.00	2540	A P LIGHT WEIGHT	36.9	30.3	89.58	76900	65100	4200	60900	79.19
7	38.00	2545	A.P. LIGHTWEIGHT	4.4	3.2	79.34	16162	15200		15200	94.05
7	24.00	2549	A.P. LIGHTWEIGHT	37.3	36.1	105.58	120139	129540		129540	107.83
7	40.00	2960	GPO LOT 16 OFFSET	48.0	46.2	105.00	235591	262490	5520	256970	109.07
7	33.00	3832	WHITE BOOK LITE	57.2	55.5	105.85	254940	274600	12420	262180	102.84
7	39.50	5200	TABLET INTERCO	64.8	61.4	103.37	274759	324550	6950	317600	115.59
7	40.00	7100	K WHITE OFFSET	32.5	29.3	98.35	146125	150750	1450	149300	102.17
7	45.00	7101	K WHITE OFFSET	4.4	3.7	91.74	20572	19640		19640	95.47
7	50.00	7102	K WHITE OFFSET	16.0	15.1	102.95	73585	80200		80200	108.99
7	45.00	7121	B.W. K OFFSET - ANTI	1.3	1.3	109.09	7020	8160		8160	116.24
	35.06		MACH TOTAL 1.09091	658.5	607.9	100.71	2622594	2752560	90010	2662550	101.52
8	45.00	1000	G.P. OFFSET	15.4	14.2	100.59	75111	81480		81480	108.48
8	60.00	1210	GENERIC OFFSET	8.4	8.0	103.90	42000	22410		22410	53.36
8	33.00	1803	ALLIED PRIDE	8.8	6.2	76.86	22766	20940		20940	91.98
8	30.00	2102	BRITISH OPAQUE	11.5	7.7	73.04	26560	21870		21870	82.34
8	35.00	2104	BRITISH OPAQUE	20.7	19.2	101.19	78796	83840		83840	106.40
8	35.00	2204	IMPERIAL BIBLE	66.6	64.1	105.00	228451	266730		266730	116.76
8	40.00	2513	IHM SUPERIOR OFFSET	14.8	13.9	102.46	59254	59830		59830	100.97
8	36.00	2514	INTERNATIONAL HARVES	13.0	11.6	97.34	43588	43020		43020	98.70
8	40.00	2535	MANUAL OFFSET	10.5	10.5	109.09	44760	49470		49470	110.52
8	33.00	2552	A.P. LIGHTWEIGHT VEL								
8	60.00	2804	PAPER BACK								
8	66.00	2904	DICKENS OFFSET	2.0	1.5	81.82	7406	6940		6940	93.71
8	90.00	2907	DICKENS OFFSET	3.8	3.5	100.48	16472	17760		17760	107.82
8	40.00	2960	GPO LOT 16 OFFSET	35.6	33.7	103.27	143662	156170	1300	154870	107.80
8	60.00	2982	OPACIFIED OFFSET JCP	7.9	7.1	98.04	37275	45120		45120	121.05
8	38.00	3830	WHITE BOOKLITE								
8	40.00	7100	K WHITE OFFSET								
8	45.00	7101	K WHITE OFFSET	85.5	81.5	103.99	382693	420160		420160	109.79
8	50.00	7102	K WHITE OFFSET	260.9	249.9	104.49	1380640	1378490	4920	1373570	99.49
8	55.00	7103	K WHITE OFFSET	18.1	15.2	91.61	81240	89340		89340	109.97

SP 865678

PROGRAM: N4PS7810 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 11/02/82 DAILY PRODUCTION SYSTEM
RUN TIME: 152329 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
8	60.00	7104	K WHITE OFFSET	20.5	19.9	105.90	108125	123640		123640	114.35
8	40.00	7120	B W K OFFSET - ANTIQ	3.0	2.7	98.18	12496	11320		11320	90.59
8	55.00	7122	BW K OFFSET - ANTIQU	18.0	16.0	96.97	90225	73330		73330	81.27
8	65.00	7130	BW K OFFSET - ANTIQU	12.3	11.3	100.22	58091	72150		72150	124.20
8	40.00	7200	RAVENSWOOD OPAQUE	6.7	4.6	74.90	19235	15500		15500	80.58
8	45.00	7201	RAVENSWOOD OPAQUE	7.2	6.8	103.03	33129	36810		36810	111.11
8	50.00	7202	RAVENSWOOD OPAQUE	2.4	2.2	100.00	11873	11820		11820	99.55
8	60.00	7204	RAVENSWOOD OPAQUE	7.8	7.1	99.30	36675	42590		42590	116.13
8	48.00	9048*	WHITE AP STICK PAPER	.6	.6	109.09	3230	3710		3710	114.86
	47.57		MACH SUBTOTAL	661.4	618.4	102.00	3040523	3150730	6220	3144510	103.42
	48.00		*MACH SUBTOTAL	.6	.6	109.09	3230	3710		3710	114.86
	47.57		MACH TOTAL 1.09091	662.0	619.0	102.01	3043753	3154440	6220	3148220	103.43
9	30.00	201	LAUREL TEXT R.S.	6.2	4.7	82.70	16859	19280		19280	114.36
9	40.00	203	LAUREL TEXT - RS	10.3	8.5	90.03	39372	21170		21170	53.77
9	60.00	213	TYPE IV E OT BLADE B	14.8	12.5	92.14	60070	67850		67850	112.95
9	55.00	214	TYPE 904-B R.S.	41.0	37.0	98.45	186767	185050	10180	174870	93.63
9	80.00	216	TYPE IV E OT BLADE B	82.6	78.9	104.20	392882	439180		439180	111.78
9	50.00	1208	A.M. PRIDE	17.7	15.9	98.00	76278	75770		75770	99.33
9	60.00	1210	GENERIC OFFSET	3.2	2.2	75.00	10252	11240		11240	109.64
9	48.00	1220	BW J OFFSET	18.2	17.4	104.30	81482	94680		94680	116.20
9	40.00	2535	MANUAL OFFSET	21.5	20.2	102.49	83564	89450		89450	107.04
9	35.00	2585	A.P. LIGHTWEIGHT	1.8	1.5	90.91	5553	4110		4110	74.01
9	40.00	2960	GPO LOT 16 OFFSET	58.0	53.6	100.82	208234	249780		249780	119.95
9	35.00	2990	HEAT SET WEB OFFSET	19.9	19.0	104.16	77109	80750		80750	104.72
9	48.00	3080	SUPERIOR OFFSET	3.8	3.0	86.12	12410	11790		11790	95.00
9	45.00	3501	SCHOOL COTE	18.1	15.9	95.83	70442	53900		53900	76.52
9	40.00	7000	CALENDAR PAD OFFSET	18.7	17.8	103.84	79949	83670		83670	104.65
9	40.00	7100	K WHITE OFFSET	1.9	1.4	80.38	6453	8720		8720	135.13
9	45.00	7101	K WHITE OFFSET	38.5	36.4	103.14	160598	175330	1450	173880	108.27
9	50.00	7102	K WHITE OFFSET	215.6	206.2	104.33	968212	1139250	3480	1135770	117.31
9	55.00	7103	K WHITE OFFSET	3.8	3.8	109.09	16758	18760		18760	111.95
9	60.00	7104	K WHITE OFFSET	12.7	12.5	107.37	60673	72000		72000	118.67
9	50.00	7136	BW K OFFSET M.F.	6.6	6.3	104.13	24441	25380		25380	103.84
9	45.00	7201	RAVENSWOOD OPAQUE	43.2	36.9	93.18	165051	153120		153120	92.77
	49.59		MACH TOTAL 1.09091	658.1	611.6	101.38	2803409	3080230	15110	3065120	109.34
	44.43		MILL D SUBTOTAL	1978.0	1837.9	101.36	8466526	8983520	111340	8872180	104.79
	48.00		*MILL D SUBTOTAL	.6	.6	109.09	3230	3710		3710	114.86
	44.43		MILL D TOTAL	1978.6	1838.5	101.37	8469756	8987230	111340	8875890	104.80
	42.66		BOOK MILL SUBTOT	3266.4	3017.9	100.79	13403616	14027560	175910	13851650	103.34
	48.00		*BOOK MILL SUBTOT	.6	.6	109.09	3230	3710		3710	114.86

PROGRAM: N4PS7610 S C M A L L I E D P A P E R I N C. PAGE 4
RUN DATE: 11/02/82 DAILY PRODUCTION SYSTEM
RUN TIME: 152329 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC
	42.66		BOOK MILL TOTAL	3267.0	3018.5	100.79	13406846	14031270	175910	13855360	103.35
17	48.00	801	LAUREL TEXT	4.0	2.2	60.69	16546	19310	1630	17680	106.85
17	50.00	803	LAUREL TEXT	6.3	3.0	52.55	28466	23580	2000	21580	75.81
17	33.00	863	SATIN SHEEN								
17	90.00	871*	MASTERBASE TYPE V LT	2.0	2.0	110.35	9266	4810		4810	51.91
17	92.00	873	MASTERBASE TYPE IV D	18.2	17.2	104.28	72509	76770	3420	73350	101.15
17	78.00	874*	TYPE 904-A	26.3	23.3	97.76	73933	62410	1430	60980	82.48
17	63.00	875*	SHORT RUN MASTER BAS						1200	1200	
17	87.50	876*	MASTERBASE TYPE IV D	151.7	142.8	103.87	578754	610370	10470	599900	103.65
17	87.50	877*	TYPE IV 1/2 LT HW								
	75.33		BLADE SUBTOTAL	28.5	22.4	86.73	117520	119660	7050	112610	95.82
	86.64		*BLADE SUBTOTAL	180.0	168.1	103.05	661953	677590	13100	664490	100.38
	84.95		BLADE COATER 1.10345	208.5	190.5	100.82	779473	797250	20150	777100	99.70
	42.93		GRAND SUBTOTAL	3294.9	3040.3	100.67	13521136	14147220	182960	13964260	103.28
	86.43		*GRAND SUBTOTAL	180.6	168.7	103.07	665183	681300	13100	668200	100.45
	44.93		GRAND TOTAL	3475.5	3209.0	100.79	14186319	14828520	196060	14632460	103.14

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PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 11/02/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1206	SPEC A.M. PRIDE	540	480	2	25000	88.88
				480	2	25000	88.88
	1803	ALLIED PRIDE	600	550	3	44600	91.66
				550	3	44600	91.66
	1810	BW PRIDE OPAQUE	540	530	1	3390	98.14
				530	1	3390	98.14
	2001	BRITE LITE THIN	620	670	1	3930	108.06
			620	700	1	4260	112.90
				686	2	8190	110.58
	2002	BRITE LITE THIN	600	660	3	41950	110.00
			600	700	1	17600	116.66
				672	4	59550	111.97
	2006	BRITE LITE THIN	620		1		
			620	600	1	1410	96.77
			620	700	1	13770	112.90
				691	3	15180	111.40
	2104	BRITISH OPAQUE	570	550	1	40470	96.49
				550	3	40470	96.49
	2200	IMPERIAL BIBLE	600	620	2	32410	103.33
			600	670	1	19610	111.66
				639	3	52020	106.47
	2222	NATO TEXT 80 BIBLE	620	700	3	5370	112.90
				700	3	5370	112.90
	2223	NATO TEXT BIBLE 80	620	620	3	32260	100.00
			620	690	7	103290	111.29
			620	700	2	18190	112.90
				676	12	153740	109.11
	2240	LAWYERS WHITE OFFSET	600	600	10	226000	100.00
				600	10	226000	100.00
	2407	SHAKESPEARE THIN	570	570	2	31110	100.00
				570	2	31110	100.00
	2503	SOLITUDE OPAQUE	600	600	3	46820	100.00
				600	3	46820	100.00
	2506	SOLITUDE OPAQUE	500		1		
			500	490	3	59640	98.00
			500	510	3	42300	102.00

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PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 2
RUN DATE: 11/02/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				498	7	101940	99.66
	2535	MANUAL OFFSET	540	520	3	45260	96.29
				520	3	45260	96.29
	2542	A P LIGHT WEIGHT	620		1		
			620	620	3	29830	100.00
			620	700	5	57180	112.90
				673	9	87010	108.48
	3830	WHITE BOOKLITE	600		1		
			600	600	31	664910	100.00
				600	32	664910	100.00
	7101	K WHITE OFFSET	500	490	1	18560	98.00
				490	1	18560	98.00
	7121	B.W. K OFFSET - ANTIQUE	500	480	2	9500	96.00
				480	2	9500	96.00
				601	105	1638620	101.49

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1206	SPEC A.M. PRIDE	740	770	1	30740	104.05
			740	780	1	26470	105.40
			740	790	1	34640	106.75
				780	3	91850	105.46
	1207	A.M. PRIDE	720	700	1	7490	97.22
			720	740	1	17110	102.77
				728	2	24600	101.08
	1208	A.M. PRIDE	700	730	1	11140	104.28
			700	740	5	98050	105.71
			700	750	1	54360	107.14
			700	760	15	609180	108.57
				756	22	772730	108.04
	1210	GENERIC OFFSET	620	640	2	10040	103.22
			620	660	2	19280	106.45
				653	4	29320	105.34
	2435	SPEC. SHAKESPEARE THIN	750	780	5	130760	104.00
				780	5	130760	104.00
	2513	IBM SUPERIOR OFFSET	740	780	6	102970	105.40
				780	6	102970	105.40
	2535	MANUAL OFFSET	740	780	9	218850	105.40
				780	9	218850	105.40
	2970	GPO OFFSET (JCP) A60	750	710	1	53920	94.66
			750	740	11	355080	98.66
			750	760	3	52040	101.33
				739	15	461040	98.49
	3004	SUPERIOR OFFSET	620	640	1	7020	103.22
				640	1	7020	103.22
	7100	K WHITE OFFSET	740	770	2	42700	104.05
			740	780	3	82920	105.40
				777	5	125620	104.94
	7101	K WHITE OFFSET	720	740	3	100960	102.77
			720	750	5	132170	104.16
			720	780	2	49640	108.33
				752	10	282770	104.40
	7102	K WHITE OFFSET	700	740	4	97510	105.71
			700	750	6	120830	107.14
			700	760	11	339740	108.57
				754	21	558080	107.76

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PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 4
RUN DATE: 11/02/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7104	K WHITE OFFSET	620	660	2	55410	106.45
				660	2	55410	106.45
	7124	BW K OFFSET - ANTIQUE	620	650	1	2900	104.83
				650	1	2900	104.83
	7202	RAVENSWOOD OPAQUE	700	740	3	45640	105.71
				740	3	45640	105.71
	9001	DUPONT PAPER (BLUE)	600	600	4	95490	100.00
			600	620	5	62940	103.33
			600	640	10	287460	106.66
			600	650	2	49970	108.33
				631	21	495860	105.12
				736	130	3405420	105.24

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1100	E. B. NEW SHADE	750	760	3	48100	101.33
			750	780	2	42800	104.00
				769	5	90900	102.59
	1203	A.M. PRIDE	750	780	3	25920	104.00
				780	3	25920	104.00
	1800	PRIDE OPAQUE	750	710	1	27080	94.66
			750	780	3	27920	104.00
				746	4	55000	99.40
	2104	BRITISH OPAQUE	740	740	4	123330	100.00
			740	780	1	3020	105.40
				741	5	126350	100.13
	2202	IMPERIAL BIBLE	750	780	2	42680	104.00
				780	2	42680	104.00
	2231	ALLIED SPECIAL BIBLE	740	740	6	159910	100.00
			740	750	8	249720	101.35
			740	770	4	146930	104.05
			740	780	2	77840	105.40
			740	790	1	31980	106.75
				757	21	666380	102.35
	2240	LAWYERS WHITE OFFSET	750	780	5	96340	104.00
				780	5	96340	104.00
	2260	ATLA OPAQUE	740	780	2	45480	105.40
				780	2	45480	105.40
	2406	SHAKESPEARE THIN	750	780	3	86770	104.00
				780	3	86770	104.00
	2407	SHAKESPEARE THIN	740	750	2	10120	101.35
				750	2	10120	101.35
	2515	SOLITUDE OPAQUE - TYNDALE	750	780	5	139470	104.00
				780	5	139470	104.00
	2522	SPECIAL SOLITUDE OPAQUE	740	780	2	36920	105.40
				780	2	36920	105.40
	2540	A P LIGHT WEIGHT	670	750	6	65100	111.94
			670	780	1		116.41
				750	7	65100	111.94
	2545	A.P. LIGHTWEIGHT	740	750	1	15200	101.35
				750	1	15200	101.35

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MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2549	A.P. LIGHTWEIGHT	710	780	5	129540	109.85
				780	5	129540	109.85
	2960	GPO LOT 16 OFFSET	680		2		
			680	700	4	114990	102.94
			680	710	1	43200	104.41
			680	720	5	98880	105.88
			680	740	1	5520	108.82
				710	13	262490	104.41
	3833	WHITE HOOK LITE	750	780	9	274600	104.00
				780	9	274600	104.00
	5200	TABLET INTERCO	680	740	8	243830	108.82
			680	760	2	42610	111.76
			680	780	1	38110	114.70
				747	11	324550	109.90
	7100	K WHITE OFFSET	680	700	3	84660	102.94
			680	720	3	66090	105.88
				709	6	150750	104.23
	7101	K WHITE OFFSET	630	650	2	19640	103.17
				650	2	19640	103.17
	7102	K WHITE OFFSET	580	620	2	44220	106.89
			580	650	3	35980	112.06
				633	5	80200	109.21
	7121	B.W. K OFFSET - ANTIQUE	630	650	1	8160	103.17
				650	1	8160	103.17
				751	119	2752560	104.66

SA 065678

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1000	U.P. OFFSET	730	750	3	81480	102.73
				750	3	81480	102.73
	1210	GENERIC OFFSET	590	650	2	22410	110.16
				650	2	22410	110.16
	1803	ALLIED PRIDE	730	780	2	20940	106.84
				780	2	20940	106.84
	2102	BRITISH OPAQUE	730	750	1		102.73
			730	780	2	21870	106.84
				780	3	21870	106.84
	2104	BRITISH OPAQUE	730	780	4	83840	106.84
				780	4	83840	106.84
	2204	IMPERIAL BIBLE	730		1		
			730	780	9	266730	106.84
				780	10	266730	106.84
	2513	IAM SUPERIOR OFFSET	720	760	2	30910	105.55
			720	780	3	28920	108.33
				770	5	59830	106.89
	2514	INTERNATIONAL HARVESTER OPAQUE	730	770	3	32230	105.47
			730	780	1	10790	106.84
				773	4	43020	105.81
	2535	MANUAL OFFSET	720	780	3	49470	108.33
				780	3	49470	108.33
	2904	DICKENS OFFSET	500	700	1	6940	140.00
				700	1	6940	140.00
	2907	DICKENS OFFSET	350	390	1	17760	111.42
				390	1	17760	111.42
	2960	GPO LOT 16 OFFSET	720	740	1	20120	102.77
			720	780	4	136050	108.33
				775	5	156170	107.61
	2982	OPACIFIED OFFSET JCPA80	590	650	2	45120	110.16
				650	2	45120	110.16
	7101	K WHITE OFFSET	730	750	4	42380	102.73
			730	760	5	186460	104.10
			730	780	9	191320	106.84
				768	17	420160	105.21

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PROGRAM: M4PS7210 S C M A L L I E D P A P E R I N C. PAGE 8
RUN DATE: 11/02/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7102	K WHITE OFFSET	730	710	4	85700	97.26
			730	720	4	145630	98.63
			730	730	9	245370	100.00
			730	740	9	185740	101.36
			730	750	36	701330	102.73
			730	760	1	14720	104.10
				740	63	1378490	101.30
	7103	K WHITE OFFSET	650	700	5	43450	107.69
			650	710	3	22560	109.23
			650	740	2	15080	113.84
			650	750	2	8250	115.38
				714	12	89340	109.83
	7104	K WHITE OFFSET	590	600	2	12080	101.69
			590	650	6	82010	110.16
			590	680	3	29550	115.25
				652	11	123640	110.55
	7120	B W K OFFSET - ANTIQUE	720	780	2	11320	108.33
				780	2	11320	108.33
	7122	BW K OFFSET - ANTIQUE	730	700	2	39720	95.89
			730	740	1	10440	101.36
			730	750	4	23170	102.73
				721	7	73330	98.63
	7130	BW K OFFSET - ANTIQUE	550	630	2	72150	114.54
				630	2	72150	114.54
	7200	RAVENSWOOD OPAQUE	720	780	3	15500	108.33
				780	3	15500	108.33
	7201	RAVENSWOOD OPAQUE	730	760	1	36810	104.10
				760	1	36810	104.10
	7202	RAVENSWOOD OPAQUE	730	750	1	11820	102.73
				750	1	11820	102.73
	7204	RAVENSWOOD OPAQUE	590	650	1	11670	110.16
			590	660	2	30920	111.86
				657	3	42590	111.39
	9048	WHITE AP STICK PAPER	730	780	1	3710	106.84
				780	1	3710	106.84
				741	168	3154440	104.56

SA 065680

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	201	LAUREL TEXT R.S.	720		1		
			720	760	1	19280	105.55
				760	2	19280	105.55
	203	LAUREL TEXT - RS	720	760	2	21170	105.55
				760	2	21170	105.55
	273	TYPE IV E DT BLADE BASE	430		1		
			430	480	4	67850	111.62
				480	5	67850	111.62
	274	TYPE 904-B R.S.	580	560	6	143150	96.55
			580	575	1	41900	99.13
				563	7	185050	97.13
	276	TYPE IV E DT BLADE BASE	500	550	5	193070	110.00
			500	560	5	141340	112.00
			500	570	2	91580	114.00
			500	710	1	3070	142.00
			500	750	1	10120	150.00
				563	14	439180	112.62
	1208	A.M. PRIDE	630	700	1	11280	111.11
			630	720	1	29560	114.28
			630	730	2	34930	115.87
				722	4	75770	114.54
	1210	GENERIC OFFSET	550	675	1	11240	122.72
				675	1	11240	122.72
	1528	HH J OFFSET	660	710	1	23720	107.57
			660	720	3	70960	109.09
				717	4	94680	108.71
	2535	MANUAL OFFSET	700	730	3	46670	104.28
			700	750	2	42780	107.14
				740	5	89450	105.65
	2545	A.P. LIGHTWEIGHT	720		1		
			720	760	1	4110	105.55
				760	2	4110	105.55
	2960	GPO LOT 16 OFFSET	670	740	1	17420	110.44
			670	750	11	232360	111.94
				749	12	249780	111.84
	2990	HEAT SET WEB OFFSET LOT 9	720	760	3	80750	105.55
				760	3	80750	105.55

SA 865681

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 10
RUN DATE: 11/02/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	3000	SUPERIOR OFFSET	700	740	2	11790	105.71
				740	2	11790	105.71
	3501	SCHOOL COTE	670		1		
			670	630	1	19670	94.02
			670	660	2	34230	98.50
				649	4	53900	96.87
	7000	CALENDAR PAD OFFSET	700	750	4	83670	107.14
				750	4	83670	107.14
	7100	K WHITE OFFSET	700	740	1	8720	105.71
				740	1	8720	105.71
	7101	K WHITE OFFSET	670	710	3	47240	105.97
			670	720	2	43290	107.46
			670	740	3	84800	110.44
				727	8	175330	108.50
	7102	K WHITE OFFSET	630	700	2	79110	111.11
			630	710	3	46620	112.69
			630	720	20	591180	114.28
			630	730	11	301480	115.87
			630	740	3	120860	117.46
				723	39	1139250	114.75
	7103	K WHITE OFFSET	580	650	1	18760	112.06
				650	1	18760	112.06
	7104	K WHITE OFFSET	550	600	3	72000	109.09
				600	3	72000	109.09
	7136	BW K OFFSET M.F.	720	760	2	25380	105.55
				760	2	25380	105.55
	7201	RAVENSWOOD OPAQUE	670		1		
			670	660	1	16520	98.50
			670	720	1	34570	107.46
			670	750	5	102030	111.94
				734	8	153120	109.48
				686	133	3080230	110.86

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	801	LAUREL TEXT	1300		1	19310	
					1	19310	
	803	LAUREL TEXT	1300		1	23580	
					1	23580	
	871	MASTERBASE TYPE V LTHW-S	350		1	4810	
					1	4810	
	873	MASTERBASE TYPE IV DTHW	320		5	76770	
					5	76770	
	874	TYPE 904-H	325		7	62410	
					7	62410	
	876	MASTERBASE TYPE IV DT	320		25	610370	
					25	610370	
					40	797250	

SD 865683

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 11/02/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1206	SPEC A.M. PRIDE	122	105	2	25000	86.06
				105	2	25000	86.06
	1803	ALLIED PRIDE	105	108	3	44600	102.85
				108	3	44600	102.85
	1810	BW PRIDE OPAQUE	122	119	1	3390	97.54
				119	1	3391	97.54
	2001	BRITE LITE THIN	110	95	2	8190	86.36
				95	2	8190	86.36
	2002	BRITE LITE THIN	110	108	4	59550	98.18
				108	4	59550	98.18
	2005	BRITE LITE THIN	110	101	3	15180	91.81
				101	3	15180	91.81
	2104	BRITISH OPAQUE	110	114	3	40470	103.63
				114	3	40470	103.63
	2200	IMPERIAL BIBLE	110	112	3	52020	101.81
				112	3	52020	101.81
	2222	NATO TEXT 80 BIBLE	102	107	3	5370	104.90
				107	3	5370	104.90
	2223	NATO TEXT BIBLE 80	102	108	12	153740	105.88
				108	12	153740	105.88
	2240	LAWYERS WHITE OFFSET	110	118	10	225000	107.27
				118	10	225000	107.27
	2407	SHAKESPEARE THIN	110	101	1	20060	91.81
			110	100	1	11030	90.90
				101	2	31110	91.49
	2503	SOLITUDE OPAQUE	110	114	3	46820	103.63
				114	3	46820	103.63
	2506	SOLITUDE OPAQUE	110	105	7	101940	95.45
				105	7	101940	95.45
	2535	MANUAL OFFSET	110	105	3	45260	95.45
				105	3	45260	95.45
	2542	A P LIGHT WEIGHT	105	111	4	41120	105.71
			105	100	5	45890	95.23
				105	9	87010	100.18

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MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	3830	WHITE BOOKLITE	102	116	32	664910	113.72
				116	32	664910	113.72
	7101	K WHITE OFFSET	110	112	1	18560	101.81
				112	1	18560	101.81
	7121	B.W. K OFFSET - ANTIQUE	110	113	2	9500	102.72
				113	2	9500	102.72
				112	105	1638620	106.51

SA 065685

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 11/02/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1206	SPEC A.M. PRIDE	142	142	2	61110	100.00
			142	137	1	30740	96.47
				140	3	91850	98.82
	1207	A.M. PRIDE	142	135	2	24600	95.07
				135	2	24600	95.07
	1208	A.M. PRIDE	148	142	3	60960	95.94
			148	140	5	117260	94.59
			148	135	9	461900	91.21
			148	133	1	14800	89.86
			148	132	2	97760	89.18
			148	125	2	20050	84.45
				136	22	772730	91.64
	1210	GENERIC OFFSET	142	140	4	29320	98.59
				140	4	29320	98.59
	2435	SPEC. SHAKESPEARE THIN	140	143	5	130760	102.14
				143	5	130760	102.14
	2513	IPM SUPERIOR OFFSET	140	140	5	102970	100.00
				140	5	102970	100.00
	2535	MANUAL OFFSET	140	140	6	152960	100.00
			140	136	2	42340	97.14
			140	131	1	23550	93.57
				138	9	218850	98.75
	2970	GPO OFFSET (JCP) A60	138	136	10	316740	98.55
			138	132	5	144300	95.65
				135	15	461040	97.64
	3004	SUPERIOR OFFSET	142	140	1	7020	98.59
				140	1	7020	98.59
	7100	K WHITE OFFSET	142	146	2	42700	102.81
			142	140	3	82920	98.59
				142	9	125620	100.02
	7101	K WHITE OFFSET	142	144	2	44640	101.40
			142	136	2	34280	95.77
			142	128	6	198850	90.14
				132	10	282770	92.80
	7102	K WHITE OFFSET	142	146	2	81930	102.81
			142	142	2	47320	100.00
			142	140	6	120830	96.59
			142	137	1	36950	96.47

SA 065686

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 4
RUN DATE: 11/02/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			142	136	8	255470	95.77
			142	132	1	5640	92.95
			142	131	1	9940	92.25
				139	21	558080	97.73
	7104	K WHITE OFFSET	142	143	2	55410	100.70
				143	2	55410	100.70
	7124	HW K OFFSET - ANTIQUE	142	138	1	2900	97.18
				138	1	2900	97.18
	7202	RAVENSWOOD OPAQUE	140	140	3	45640	100.00
				140	3	45640	100.00
	9001	DUPONT PAPER (BLUE)	148	148	21	495860	100.00
				148	21	495860	100.00
				139	139	3405420	96.74

SA 089687

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 5
RUN DATE: 11/02/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1100	E. B. NEW SHADE	138	138	5	90900	100.00
				138	5	90900	100.00
	1203	A.M. PRIDE	128	138	2	15920	107.81
			128	121	1	10000	94.53
				131	3	25920	102.29
	1900	PRIDE OPAQUE	135	107	4	55000	78.67
				107	4	55000	78.67
	2104	BRITISH OPAQUE	134	120	5	126350	89.55
				120	5	126350	89.55
	2202	IMPERIAL BIBLE	134	115	2	42680	85.82
				115	2	42680	85.82
	2231	ALLIED SPECIAL BIBLE	136	124	21	666380	91.17
				124	21	666380	91.17
	2240	LAWYERS WHITE OFFSET	136	115	5	96340	84.55
				115	5	96340	84.55
	2260	ATLA OPAQUE	136	137	2	45480	100.73
				137	2	45480	100.73
	2406	SHAKESPEARE THIN	132	116	3	86770	87.87
				116	3	86770	87.87
	2407	SHAKESPEARE THIN	132	128	2	10120	96.96
				128	2	10120	96.96
	2515	SOLITUDE OPAQUE - TYNDALE	110	121	3	90090	110.00
			110	120	2	49390	109.09
				121	5	139470	109.68
	2522	SPECIAL SOLITUDE OPAQUE	134	126	2	36920	94.02
				126	2	36920	94.02
	2540	A P LIGHT WEIGHT	105	135	7	65100	128.57
				135	7	65100	128.57
	2545	A.P. LIGHTWEIGHT	134	138	1	15200	102.98
				138	1	15200	102.98
	2549	A.P. LIGHTWEIGHT	134	128	5	129540	95.52
				128	5	129540	95.52
	2960	GPO LOT 16 OFFSET	134	139	2	50570	103.73
			134	134	3	100500	100.00

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MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			134	132	2	43200	98.50
			134	131	6	157770	97.76
				133	13	262490	99.13
	3H33	WHITE BOOK LITE	136	132	9	274600	97.05
				132	9	274600	97.05
	5209	TABLET INTERCO	132	125	3	80720	94.69
			132	117	3	82230	88.63
			132	116	5	161600	87.87
				118	11	324550	89.76
	7100	K WHITE OFFSET	136	139	1	23640	102.20
			136	129	5	127110	94.11
				130	6	150750	95.38
	7101	K WHITE OFFSET	136	139	2	19640	102.20
				139	2	19640	102.20
	7102	K WHITE OFFSET	136	125	1	10540	91.91
			136	120	2	44220	88.23
			136	116	2	25440	85.29
				119	5	80200	87.78
	7121	B.W. K OFFSET - ANTIQUE	136	135	1	8160	99.26
				135	1	8160	99.26
				125	119	2752560	94.55

SA 865689

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1000	Q.P. OFFSET	114	114	3	81480	100.00
				114	3	81480	100.00
	1210	GENERIC OFFSET	105	105	2	22410	100.00
				105	2	22410	100.00
	1803	ALLIED PRIDE	105	108	2	20940	102.85
				108	2	20940	102.85
	2102	BRITISH OPAQUE	110	112	3	21870	101.81
				112	3	21870	101.81
	2104	BRITISH OPAQUE	110	114	4	83840	103.63
				114	4	83840	103.63
	2204	IMPERIAL BIBLE	110	99	10	266730	90.00
				99	10	266730	90.00
	2513	IBM SUPERIOR OFFSET	110	105	5	59830	95.45
				105	5	59830	95.45
	2514	INTERNATIONAL HARVESTER OPAQUE	105	105	3	39300	100.00
			105	97	1	3720	92.38
				104	4	43020	99.34
	2535	MANUAL OFFSET	110	105	3	49470	95.45
				105	3	49470	95.45
	2904	DICKENS OFFSET	124	117	1	6940	94.35
				117	1	6940	94.35
	2907	DICKENS OFFSET	110	106	1	17760	96.36
				106	1	17760	96.36
	2960	GPO LOT 16 OFFSET	122	105	5	156170	86.06
				105	5	156170	86.06
	2982	OPACIFIED OFFSET JCPARO	110	105	2	45120	95.45
				105	2	45120	95.45
	7101	K WHITE OFFSET	110	114	2	28790	103.63
			110	113	2	10690	102.72
			110	112	1	34600	101.81
			110	105	1	6660	95.45
			110	104	1	6930	94.54
			110	100	5	205770	90.90
			110	96	4	126720	87.27
				101	17	420160	92.01

SA 065690

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7102	K WHITE OFFSET	110	117	3	72020	106.36
			110	116	9	236540	105.45
			110	115	1	11610	104.54
			110	114	2	30740	103.63
			110	113	3	29100	102.72
			110	112	2	42750	101.81
			110	111	1	15210	100.90
			110	108	1	36770	98.18
			110	105	21	459080	95.45
			110	104	6	179910	94.54
			110	103	5	146400	93.63
			110	102	4	47670	92.72
			110	101	2	35530	91.81
			110	99	2	25440	90.00
			110	96	1	9720	86.36
				108	63	1378490	97.81
	7103	K WHITE OFFSET	110	119	1	7500	108.18
			110	114	1	3930	103.63
			110	112	1	3560	101.81
			110	110	1	16490	100.00
			110	107	2	15900	97.27
			110	104	3	12640	94.54
			110	100	3	29320	90.90
				106	12	89340	96.67
	7104	K WHITE OFFSET	110	115	5	41980	104.54
			110	107	1	10710	97.27
			110	105	5	70950	95.45
				109	11	123640	98.69
	7120	B W K OFFSET - ANTIQUE	122	114	2	11320	93.44
				114	2	11320	93.44
	7122	BW K OFFSET - ANTIQUE	110	113	3	17770	102.72
			110	112	2	39720	101.81
			110	105	1	10440	95.45
			110	92	1	5400	83.63
				110	7	73330	99.79
	7130	BW K OFFSET - ANTIQUE	110	102	2	72150	92.72
				102	2	72150	92.72
	7200	RAVENSWOOD OPAQUE	110	103	3	15500	93.63
				103	3	15500	93.63
	7201	RAVENSWOOD OPAQUE	110	105	1	36810	95.45
				105	1	36810	95.45

SA 065691

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 9
RUN DATE: 11/02/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7202	RAVENSWOOD OPAQUE	110	105	1	11820	95.45
				105	1	11820	95.45
	7204	RAVENSWOOD OPAQUE	110	112	1	18200	101.81
			110	105	1	12720	95.45
			110	90	1	11670	81.81
				104	3	42590	94.43
	9048	WHITE AP STICK PAPER	110	109	1	3710	99.09
				109	1	3710	99.09
				106	168	3154440	95.79

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MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	201	LAUREL TEXT R.S.	104	118	2	19280	113.46
				118	2	19280	113.46
	203	LAUREL TEXT - PS	104	120	2	21170	115.38
				120	2	21170	115.38
	273	TYPE IV E DT BLADE BASE	104	118	2	28210	113.46
			104	116	2	18120	111.53
			104	111	1	21520	106.73
				115	5	67850	110.81
	274	TYPE 904-B R.S.	110	117	4	125810	106.36
			110	116	1	30050	105.45
			110	93	2	29190	84.54
				113	7	185050	102.77
	276	TYPE IV E DT BLADE BASE	124	118	14	439180	95.16
				118	14	439180	95.16
	1209	A.M. PRIDE	110	115	2	34930	104.54
			110	102	2	40840	92.72
				108	4	75770	98.17
	1210	GENERIC OFFSET	110	100	1	11240	90.90
				100	1	11240	90.90
	1528	BW J OFFSET	122	105	4	94680	86.06
				105	4	94680	86.06
	2535	MANUAL OFFSET	110	105	5	89450	95.45
				105	5	89450	95.45
	2545	A.P. LIGHTWEIGHT	110	104	2	4110	94.54
				104	2	4110	94.54
	2960	GPO LOT 16 OFFSET	110	113	1	22990	102.72
			110	105	6	88050	95.45
			110	100	5	138740	90.90
				103	12	249780	93.99
	2990	HEAT SET WEB OFFSET LOT 9	110	114	3	80750	103.63
				114	3	80750	103.63
	3000	SUPERIOR OFFSET	110	105	2	11790	95.45
				105	2	11790	95.45
	3501	SCHOOL COTE	105	104	4	53900	99.04
				104	4	53900	99.04

SP 065693

PROGRAM: N4PS7610 S C M A L L I E D P A P E R I N C. PAGE 11
RUN DATE: 11/02/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7000	CALENDAR PAD OFFSET	110	114	4	83670	103.63
				114	4	83670	103.63
	7100	K WHITE OFFSET	110	117	1	8720	106.36
				117	1	8720	106.36
	7101	K WHITE OFFSET	110	103	2	35990	98.18
			110	106	2	43290	96.36
			110	101	3	84800	91.81
			110	97	1	11250	88.18
				103	8	175330	94.01
	7102	K WHITE OFFSET	110	113	10	367870	102.72
			110	112	1	3390	101.81
			110	108	2	29280	98.18
			110	107	1	3550	97.27
			110	105	6	103900	95.45
			110	104	1	10980	94.54
			110	102	18	620280	92.72
				106	39	1139250	96.40
	7103	K WHITE OFFSET	110	98	1	18760	89.09
				98	1	18760	89.09
	7104	K WHITE OFFSET	110	105	1	12060	95.45
			110	104	2	59940	94.54
				104	3	72000	94.69
	7136	AW K OFFSET M.F.	112	106	2	25380	94.64
				106	2	25380	94.64
	7201	RAVENSWOOD OPAQUE	110	105	8	153120	95.45
				105	8	153120	95.45
				108	133	3080230	96.78

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 10.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	801	LAUREL TEXT	102	115	1	19310	112.74
				115	1	19310	112.74
	803	LAUREL TEXT	102	116	1	23580	113.72
				116	1	23580	113.72
	871	MASTERBASE TYPE V LTHW-S	102	117	1	4810	114.70
				117	1	4810	114.70
	873	MASTERBASE TYPE IV DTHW	102	116	2	30510	113.72
			102	114	1	20930	111.76
			102	111	2	25330	108.82
				114	5	76770	111.57
	874	TYPE 904-H	102	114	4	31330	111.76
			102	90	3	31080	88.23
				102	7	62410	100.04
	876	MASTERBASE TYPE IV DT	102	118	1	22800	115.68
			102	116	1	35670	113.72
			102	115	22	548780	112.74
			102	110	1	3120	107.84
				115	25	610370	112.38
				114	40	797250	111.78

SA 065695

PROGRAM: N4PS7610 SCM ALLIED PAPER INC. PAGE 1
RUN DATE: 10/08/82 DAILY PRODUCTION SYSTEM
RUN TIME: 043401 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982 SEPTEMBER, 1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
6	35.00	1401	BRITISH OPAQUE - SEB	26.8	22.3	93.87	53893	50070		50070	92.91
6	35.00	1404	ALLIED PRIDE	18.0	16.6	100.61	49191	45690		45690	92.96
6	35.00	2001	BRITE LITE THIN	83.8	68.1	100.46	157885	166150	2510	165640	104.91
6	35.00	2002	BRITE LITE THIN	127.0	110.9	100.42	257544	285140	3740	281400	109.26
6	18.00	2010	BRITE LITE THIN	7.8	7.1	99.30	11547	8120		8120	70.32
6	25.00	2102	BRITISH OPAQUE	11.1	10.2	100.25	26944	18600		18600	69.03
6	25.00	2200	IMPERIAL BIBLE	23.9	22.7	103.61	53898	54300		54300	100.75
6	31.00	2203	NATO TEXT BIBLE 40	139.2	131.8	103.29	259637	287060	7220	279840	107.78
6	40.00	2204	NATO TEXT 80	7.5	6.7	97.45	13940	17790		17790	127.62
6	21.00	4400	CIGARETTE TIPPING -	341.1	319.8	108.28	481821	439240	10510	428730	88.98
	22.57		MACH TOTAL 1.09091	795.4	742.2	101.79	1366260	1374160	23980	1350180	98.82
8	30.00	1100	E. B. NEW SHADE	97.9	86.6	96.50	380028	296240	18350	277890	73.12
8	35.00	1208	A.M. PRIDE	98.6	91.2	100.90	622994	642480	2550	639930	102.72
8	40.00	1210	GENERIC OFFSET	18.8	16.3	105.84	119878	125960		125960	105.34
8	30.00	2300	18M SUPERIOR OFFSET	8.6	8.3	105.29	49929	45910		45910	91.95
8	40.00	2301	SPECIAL SOLITUDE OPA	38.6	31.0	87.61	144519	132080	8580	124000	85.80
8	40.00	2305	MANUAL OFFSET	28.2	28.0	103.68	156831	162600		162600	103.68
8	30.00	2310	I B M MANUAL	3.3	3.0	93.51	20748	24960		24960	120.30
8	60.00	2902	GPO LOT 21	5.7	5.7	109.09	41815	43450		43450	103.91
8	70.00	2951	VELLUM FINISH BOOK A	18.6	14.2	83.28	92884	77660		77660	83.61
8	40.00	3000	SUPERIOR OFFSET	61.5	56.7	100.56	327064	344330	4450	339880	103.92
8	30.00	3001	SUPERIOR OFFSET	20.3	16.8	93.33	163835	149760		149760	89.97
8	35.00	3008	SUPERIOR OFFSET	3.8	2.8	84.85	19442	12020		12020	61.20
8	40.00	3009	SW SUPERIOR OFFSET -	5.3	4.7	96.74	26717	27440		27440	102.71
8	40.00	3040	SPECIAL SUPERIOR 800								
8	30.00	3010	WHITE BOOKLITE	.8	.6	81.82	2442	1600		1600	65.52
8	35.00	3012	WHITE BOOK LITE	17.1	15.1	96.33	73040	73810		73810	101.05
8	40.00	7100	KW WHITE OFFSET	1.3	1.0	83.92	6102	9680		9680	158.64
8	40.00	7101	KW WHITE OFFSET	139.1	132.4	103.84	868689	883460	20750	862710	99.31
8	40.00	7102	KW WHITE OFFSET	139.9	129.8	100.98	870429	964380		964380	110.79
8	40.00	7103	KW WHITE OFFSET	80.8	67.9	104.20	413388	428770		428770	103.98
8	40.00	7104	KW WHITE OFFSET	1.6	.8	40.91	3725	5280		5280	141.74
8	40.00	7134	KW K OFFSET - ANTIQU	1.0	.8	87.27	3784	4900		4900	84.72
8	40.00	7200	RAVENSWOOD OPAQUE	13.4	12.5	101.76	72284	75020		75020	103.79
8	50.00	7202	RAVENSWOOD OPAQUE	17.6	17.2	106.61	116977	123920		123920	105.94
8	60.00	7204	RAVENSWOOD OPAQUE	2.7	2.4	96.97	17857	19240		19240	107.74
	43.40		MACH TOTAL 1.09091	803.9	735.7	99.84	4816283	4671610	54680	4616930	100.01
	41.74		MILL C TOTAL	1899.3	1477.9	100.81	5982823	6045770	78660	5967110	99.74
7	30.00	1100	E. B. NEW SHADE	219.4	184.9	91.94	811402	735530	63560	671970	82.82
7	20.00	2000	BRITE LITE THIN	5.5	4.3	85.29	10185	11980		11980	117.62
7	21.00	2006	BRITE LITE THIN	31.7	25.4	87.41	67389	54070	1200	52870	78.45
7	21.00	2009	ROYAL LITE						13370	13370	

PROGRAM: N4PS7010 S C M A L L I E D P A P E R I N C. PAGE 2
RUN DATE: 10/09/82 DAILY PRODUCTION SYSTEM
RUN TIME: 083431 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
7	22.00	2012	BRITELITE TWIN	83.8	85.0	99.07	146973	122750	1050	121700	83.03
7	38.00	2104	BRITISH OPAQUE	6.9	4.0	63.24	19323	15900		15900	82.29
7	24.00	2212	IMPERIAL BIBLE	11.6	10.2	93.52	37301	42240		42240	113.24
7	24.00	2210	IMPERIAL BIBLE EF NA	54.4	51.5	103.28	158205	171840	1270	170570	107.82
7	20.00	2221	EXTRA WH IMPERIAL BI	13.5	12.0	96.97	30230	27750		27750	91.80
7	21.00	2223	NATO TEXT BIBLE 80	63.0	53.4	92.47	122187	119050	1390	117660	96.30
7	40.00	2237	BW SPEC. ALLIED BIBL	79.6	75.9	104.02	399291	392710	1820	390890	97.90
7	22.00	2500	SOLITUDE OPAQUE	106.9	92.0	93.89	235365	160850	21800	139050	59.08
7	20.00	2502	P LIGHT WEIGHT	17.7	17.1	105.39	44814	50030		50030	111.64
7	38.00	3830	WHITE BOOKLITE								
7	40.00	2600	TABLET INTAGLIO	106.1	101.1	103.95	507871	534380	2650	531730	104.70
7	40.00	7101	K WHITE OFFSET	17.0	15.3	98.18	83232	85200		85200	102.36
7	60.00	7104	K WHITE OFFSET	7.7	6.9	97.76	41477	43960		43960	105.99
	32.39		MACH TOTAL 1.09091	804.8	709.6	96.19	2714845	2568240	108110	2460130	90.62
8	38.00	1303	A.M. PRIDE	9.6	8.8	101.30	10417	11550	300	11550	62.71
8	38.00	1308	A. M. PRIDE	25.4	25.1	101.80	86745	88680		88680	102.23
8	40.00	1306	BW J OFFSET	7.8	7.3	108.19	37864	39540		39540	104.43
8	38.00	1800	PRIDE OPAQUE	22.1	20.2	99.71	67668	67280		67280	99.43
8	40.00	1810	BW PRIDE OPAQUE	3.0	1.7	61.82	7429	8260		8260	111.19
8	35.00	2204	IMPERIAL BIBLE	53.9	51.9	105.04	184970	208470		208470	112.70
8	38.00	2240	LAWYERS WHITE OFFSET	32.9	28.9	95.83	97912	105000		105000	107.24
8	35.00	2241	LAWYERS OFFSET	46.8	44.5	103.73	173014	181680	1160	180520	104.34
8	38.00	2284	EX. WHITE IMPERIAL B	7.9	6.9	93.81	18809	15960		15960	82.73
8	38.00	2502	SOLITUDE OPAQUE	3.3	3.3	109.09	11586	13300		13300	114.79
8	40.00	2504	HGH SUPERIOR OFFSET	8.4	8.4	108.33	38809	42210		42210	117.80
8	40.00	2506	MANUAL OFFSET	28.3	27.4	108.82	116864	125920		125920	107.80
8	38.00	2508	A.P. LIGHTWEIGHT	9.7	9.7	109.09	30472	33800		33800	110.92
8	35.00	2548	A.P. LIGHTWEIGHT	11.7	11.2	104.43	42336	44050		44050	104.05
8	40.00	2984	DICKENS OFFSET	3.5	2.5	77.92	12343	15540	1610	13930	112.86
8	40.00	3080	SUPERIOR OFFSET	26.1	25.4	106.17	108279	110610		110610	102.15
8	40.00	7100	K WHITE OFFSET	23.8	21.1	99.47	91030	107380		107380	117.96
8	40.00	7101	K WHITE OFFSET	10.8	10.1	98.89	86429	94240		94240	109.03
8	40.00	7102	K WHITE OFFSET	315.8	304.1	100.32	1667672	1701650	13670	1687980	101.22
8	40.00	7103	K WHITE OFFSET	10.6	10.1	100.99	61384	63060		63060	102.73
8	40.00	7104	K WHITE OFFSET	88.6	83.5	100.58	460465	498640	8400	490240	106.47
8	70.00	7105	K WHITE OFFSET	7.7	6.9	97.76	36131	40830		40630	113.01
8	80.00	7107	K WHITE OFFSET	1.6	1.6	109.09	7593	7920		7920	104.31
8	99.99	7109	BW K OFFSET	5.2	4.5	94.41	16901	17680		17680	104.61
8	40.00	7110	BW K OFFSET - ANTIQ	4.8	3.7	108.91	18085	12300		12300	68.24
8	38.00	7112	BW K OFFSET - ANTIQU	14.1	14.1	109.09	79576	76790		76790	96.50
8	80.00	7113	BW K OFFSET - ANTIQU	5.0	5.0	109.09	23436	26860		26560	113.33
8	70.00	7125	BW K OFFSET - ANTIQU	4.8	4.8	109.09	24659	27720		27720	112.41
8	60.00	7204	RAVENSWOOD OPAQUE	4.8	4.8	109.09	25200	20130		20130	79.88
	47.61		MACH TOTAL 1.09091	802.7	763.2	103.72	3648949	3806650	25140	3781510	103.63

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MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
9	30.00	203	LAUREL TEXT - BS	8.8	8.8	84.17	18084	19190		19190	106.23
9	43.00	211	TYPE IV BASE STOCK D	3.5	3.5	109.09	26796	22560		22560	84.19
9	42.00	214	TYPE 904-B R.S.	85.4	81.4	103.98	425879	387130		387130	90.90
9	42.00	218	SHORT RUN MASTER RAW	9.9	8.9	98.07	37810	37010		37010	97.88
9	60.00	218	TYPE IV E DT BLADE B	194.1	175.5	98.64	870661	933900	23415	910485	104.57
9	48.00	1000	O.P. OFFSET	100.1	95.0	103.53	461352	507310	14730	492580	106.77
9	50.00	1206	A.H. PRIDE	3.3	3.3	109.09	17117	18930		18930	110.59
9	60.00	1211	GENERIC OFFSET	23.9	21.9	99.96	116015	113950		113950	98.22
9	55.00	1500	B W J OFFSET	18.1	14.8	89.20	58796	71370		71370	121.39
9	44.00	1600	PRIDE OPAQUE	87.5	80.8	105.12	92644	94680	2370	92310	99.64
9	44.00	2001	BRITE LITE THIN	53.1	48.0	98.61	123473	121310	3470	117840	95.44
9	44.00	2002	IMPERIAL BIBLE EF NA	82.3	78.4	98.97	175804	189250		189250	107.65
9	30.00	2510	CELLUPAQUE								
9	28.00	2520	A H DICTIONARY	2.3	2.3	109.09	5902	2200		2200	37.28
9	40.00	2535	MANUAL OFFSET	8.2	8.0	104.35	36404	41400		41400	113.72
9	30.00	2543	A.P. LIGHTWEIGHT	18.4	15.7	93.08	54216	55070		55070	101.58
9	33.00	2593	A.P. LIGHTWEIGHT VEL	4.0	3.1	84.85	11773	8860		8860	75.26
9	50.00	2961	BW 9 OFFSET	37.1	36.9	105.84	175823	207870	3680	204190	116.13
9	45.00	3838	WHITE BOOK LITE	60.3	55.7	100.77	208204	218820		218820	105.10
9	38.50	5200	TABLET INTERCO	9.8	8.6	98.73	42777	43790	2360	41430	96.85
9	48.00	7100	K WHITE OFFSET	21.5	19.8	100.47	74889	83280	2660	80620	107.65
9	50.00	7102	K WHITE OFFSET	36.1	34.4	103.95	168221	177690	2920	174770	103.89
9	60.00	7104	K WHITE OFFSET	.8	.6	81.82	2935	4290		4290	146.17
	40.16		MACH TOTAL 1.09091	809.5	744.2	100.92	3205855	3359800	55605	3304255	103.08
	43.79		MILL D TOTAL	8417.0	2215.0	99.97	9869349	9734750	188855	9545895	99.75
	43.01		BOOK MILL TOTAL	4016.3	3692.9	100.31	15551872	15780520	267515	15513005	99.75
17	30.00	803	LAUREL TEXT	15.0	9.9	72.83	87409	81630		81630	93.39
17	55.00	853	H W MASTER - NON BLE								
17	75.00	870*	MASTERBASE TYPE V LT								
17	60.00	871*	MASTERBASE TYPE V LT	11.2	6.8	67.00	31505	10150	1800	8350	26.50
17	40.00	874*	TYPE 904-B	171.5	143.8	89.39	518954	549150	4420	544730	104.97
17	42.00	878*	SHORT RUN MASTER BAS	13.8	10.8	83.96	30876	27215		27215	88.14
17	87.50	876*	MASTERBASE TYPE IV D	299.3	274.9	101.35	1109348	1135280	26760	1108520	99.93
17	87.50	877*	TYPE IV 1/2 LT HW	6.2	4.9	87.21	21939	14500		14500	66.09
	50.00		BLADE SUBTOTAL	15.0	9.9	72.83	87409	81630		81630	93.39
	84.13		*BLADE SUBTOTAL	508.0	440.9	95.77	1712622	1736295	32980	1703315	99.46
	82.59		BLADE COATER 1.10345	523.0	480.8	95.11	1800031	1817925	32980	1784945	99.16
	43.04		GRAND SUBTOTAL	4031.3	3702.8	100.20	15639281	15862150	267515	15594635	99.71
	84.13		*GRAND SUBTOTAL	508.0	440.9	95.77	1712622	1736295	32980	1703315	99.46
	47.10		GRAND TOTAL	4539.3	4143.7	99.71	17351903	17598445	300495	17297950	99.69

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MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	102	114	2	21300	111.76
			102	109	1	20350	106.86
			102	108	1	19760	103.94
			102	97	1	17200	95.09
				108	5	81630	105.77
	871	MASTERBASE TYPE V LTHW-S	102	117	2	10150	114.70
				117	2	10150	114.70
	874	TYPE 904-S	102	117	2		114.70
			102	114	5	115830	111.76
			102	113	23	329560	110.78
			102	112	3	103760	109.80
				113	33	549150	110.80
	875	SHORT RUN MASTER BASE	102	116	1	6950	113.72
			102	104	1	20265	101.96
				107	2	27215	104.96
	876	MASTERBASE TYPE IV DT	102	116	5	68090	113.72
			102	115	39	979700	112.74
			102	112	1	13560	109.80
			102	111	2	28640	108.82
			102	107	3	45290	104.90
				115	50	1135280	112.35
	877	TYPE IV 1/2 LT HW	102	116	2	14800	113.72
				116	2	14800	113.72
				114	94	1817925	111.50

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	2939	MANUAL OFFSET	110	108	2	41400	98.45
				105	2	41400	95.45
	2943	A.P& LIGHTWEIGHT	112	115	2	11960	102.67
			112	114	2	39390	101.78
			112	106	1	3720	94.64
				114	5	55070	101.49
	2592	A.P& LIGHTWEIGHT VELLUM	102	115	1	4410	112.74
			102	113	1	4450	110.78
				114	2	8860	111.76
	2961	BW 8 OFFSET	110	110	6	207870	100.00
				110	6	207870	100.00
	3835	WHITE BOOK LITE	121	105	10	218820	86.77
				105	10	218820	86.77
	5200	TABLET INTERCO	142	119	2	43790	83.80
				119	2	43790	83.80
	7100	K WHITE OFFSET	110	96	4	83280	87.27
				96	4	83280	87.27
	7102	K WHITE OFFSET	110	113	3	98250	102.72
			110	107	3	79440	97.27
				110	6	177690	100.28
	7104	K WHITE OFFSET	110	105	1	4290	95.45
				105	1	4290	95.45
				112	151	3359860	97.25

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MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	104	117	2	19190	112.50
				117	2	19190	112.50
	271	TYPE IV BASE STOCK DRY TON	104	120	1	22560	115.38
				120	1	22560	115.38
	274	TYPE 904-B R.S.	110	117	5	110920	106.36
			110	116	9	276210	105.45
				116	14	387130	105.71
	275	SHORT RUN MASTER RAWSTOCK	124	119	2	12750	95.96
			124	107	2	24260	86.29
				111	4	37010	89.62
	276	TYPE IV E DT BLADE BASE	124	119	3	51360	95.96
			124	118	27	792520	95.16
			124	117	2	20960	94.35
			124	115	1	10280	92.74
			124	114	2	23620	91.93
			124	109	2	35160	87.90
				118	37	933900	94.80
	1000	O.P& OFFSET	114	114	17	507310	100.00
				114	17	507310	100.00
	1208	A.M& PRIDE	148	105	1	18930	70.94
				105	1	18930	70.94
	1210	GENERIC OFFSET	142	108	2	25940	76.05
			110	105	2	42920	95.45
			142	99	2	45090	69.71
				103	6	113950	80.85
	1949	B W J OFFSET	106	104	2	9630	98.11
			110	91	2	61740	82.72
				93	4	71370	84.80
	1800	PRIDE OPAQUE	110	115	4	94680	104.54
				115	4	94680	104.54
	2002	BRITE LITE THIN	110	109	7	121310	99.09
				109	7	121310	99.09
	2210	IMPERIAL BIBLE EF NAT PUB	96	111	2	19330	115.62
			96	102	12	169920	106.25
				103	14	189250	107.21
	2528	A H DICTIONARY	110	93	2	2200	84.54
				93	2	2200	84.54

SH 865701

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				106	2	40830	96.36
	7107	K WHITE OFFSET	110	105	1	7920	95.45
				105	1	7920	95.45
	7109	BW K OFFSET	110	89	1	17680	80.90
				89	1	17680	80.90
	7120	B W K OFFSET - ANTIQUE	122	120	2	12300	98.36
				120	2	12300	98.36
	7122	BW K OFFSET - ANTIQUE	110	120	1	10520	109.09
			110	118	1	13840	107.27
			110	112	1	18880	101.81
			110	105	2	10230	95.45
			110	100	1	23320	90.90
				110	6	76790	99.63
	7123	BW K OFFSET - ANTIQUE	110	93	1	26560	84.54
				93	1	26560	84.54
	7125	BW K OFFSET - ANTIQUE	110	104	2	27720	94.54
				104	2	27720	94.54
	7204	RAVENSWOOD OPAQUE	110	105	2	20130	95.45
				105	2	20130	95.45
				106	208	3806650	96.34

SA 065702

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7100	K WHITE OFFSET	110	105	3	46780	95.45
			110	102	4	60600	92.72
				103	7	107380	93.91
	7101	K WHITE OFFSET	110	118	2	17940	107.27
			110	112	1		101.81
			110	104	2	21130	94.54
			110	102	2	7890	92.72
			110	99	1	22160	90.00
			110	96	1	25120	87.27
				103	9	94240	93.81
	7102	K WHITE OFFSET	110	119	1	20250	108.18
			110	116	3	34510	105.45
			110	115	1	7740	104.54
			110	114	1	28140	103.63
			110	113	11	293010	102.72
			110	111	4	120780	100.90
			110	110	1	14850	100.00
			110	107	1	21840	97.27
			110	106	4	100670	96.36
			110	105	24	578090	95.45
			110	104	7	130650	94.54
			110	103	2	29780	93.63
			110	102	12	240700	92.72
			110	100	3	38930	90.90
			110	99	1	14370	90.00
			110	98	2	24020	89.09
			110	95	1	3320	86.36
				107	79	1701650	96.99
	7103	K WHITE OFFSET	110	115	1	3700	104.54
			110	110	2	35340	100.00
			110	108	1	7420	98.18
			110	103	1	10440	93.63
			110	97	1	6160	88.18
				108	6	63060	97.84
	7104	K WHITE OFFSET	110	116	4	89520	105.45
			110	115	4	70650	104.54
			110	114	3	53360	103.63
			110	111	6	80430	100.90
			110	107	2	11410	97.27
			110	106	1	11480	96.36
			110	105	12	181790	95.45
				110	32	498640	100.35
	7105	K WHITE OFFSET	110	106	2	40830	96.36

SA 065703

PROGRAM: N4PS7010 S C M A L L I E D P A P E R I N C. PAGE 6
RUN DATE: 10/06/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1203	A.M. PRIDE	120	115	3	11850	95.83
				115	3	11850	95.83
	1205	A. M. PRIDE	112	96	4	88680	85.71
				96	4	88680	85.71
	1528	BW J OFFSET	105	105	2	39540	100.00
				105	2	39540	100.00
	1800	PRIDE OPAQUE	110	110	3	39230	100.00
			110	107	2	28050	97.27
				109	5	67280	98.86
	1810	BW PRIDE OPAQUE	110	113	1	4260	102.72
			110	100	1	4000	90.90
				107	2	8260	97.00
	2204	IMPERIAL BIBLE	110	99	7	208470	90.00
				99	7	208470	90.00
	2240	LAWYERS WHITE OFFSET	116	110	5	105000	94.82
				110	5	105000	94.82
	2241	LAWYERS OFFSET	110	108	7	181680	98.18
				108	7	181680	98.18
	2254	EX. WHITE IMPERIAL BIBLE	110	95	2	15560	86.36
				95	2	15560	86.36
	2503	SOLITUDE OPAQUE	110	114	1	13300	103.63
				114	1	13300	103.63
	2513	IBM SUPERIOR OFFSET	110	105	2	42210	95.45
				105	2	42210	95.45
	2535	MANUAL OFFSET	110	105	7	125920	95.45
				105	7	125920	95.45
	2543	A.P. LIGHTWEIGHT	112	102	3	33800	91.07
				102	3	33800	91.07
	2545	A.P. LIGHTWEIGHT	110	105	2	44050	95.45
				105	2	44050	95.45
	2904	DICKENS OFFSET	124	117	1	15540	94.35
				117	1	15540	94.35
	3000	SUPERIOR OFFSET	110	105	5	110610	95.45
				105	5	110610	95.45

SH 065704

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				129	2	43960	94.85
				131	129	2568240	96.23

SA 865705

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1100	E. B. NEW SHADE	138	138	31	735530	100.00
				138	31	735530	100.00
	2000	BRITE LITE THIN	132	126	2	11980	95.45
				126	2	11980	95.45
	2006	BRITE LITE THIN	132	134	5	54070	101.51
				134	5	54070	101.51
	2013	BRITELITE THIN	132	133	2	10960	100.75
			132	119	9	111790	90.15
				120	11	122750	91.10
	2104	BRITISH OPAQUE	134	132	2	15900	98.50
				132	2	15900	98.50
	2202	IMPERIAL BIBLE	134	115	2	42240	85.82
				115	2	42240	85.82
	2210	IMPERIAL BIBLE EF NAT PUB	128	128	7	171840	100.00
				128	7	171840	100.00
	2221	EXTRA WH IMPERIAL BIBLE	132	134	3	27750	101.51
				134	3	27750	101.51
	2223	NATO TEXT BIBLE 80	132	130	3	16340	98.48
			132	114	10	86220	86.36
			132	112	2	16490	84.84
				116	15	119050	87.81
	2237	BW SPEC. ALLIED BIBLE	136	137	11	392710	100.73
				137	11	392710	100.73
	2500	SOLITUDE OPAQUE	133	123	15	160850	92.48
				123	15	160850	92.48
	2542	A P LIGHT WEIGHT	133	126	3	50030	94.73
				126	3	50030	94.73
	5200	TABLET INTERCO	132	133	4	124620	100.75
			142	125	7	235660	88.02
			142	124	3	89930	87.32
			142	120	3	84170	84.50
				126	17	534380	90.32
	7101	K WHITE OFFSET	136	136	3	85200	100.00
				136	3	85200	100.00
	7104	K WHITE OFFSET	136	129	2	43960	94.85

SA 065706

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	3830	WHITE BOOKLITE	138	128	1	1600	92.75
				128	1	1600	92.75
	3833	WHITE BOOK LITE	136	139	3	73810	102.20
				139	3	73810	102.20
	7100	K WHITE OFFSET	142	146	1	9680	102.81
				146	1	9680	102.81
	7101	K WHITE OFFSET	142	144	22	857060	101.40
			142	140	1	26400	98.59
				144	23	883460	101.32
	7102	K WHITE OFFSET	142	148	1	10440	104.22
			142	142	4	78030	100.00
			142	140	21	867950	98.59
			142	120	1	7960	84.50
				140	27	964380	98.65
	7104	K WHITE OFFSET	142	140	4	120720	98.59
			142	139	3	101760	97.88
			142	138	1	9440	97.18
			142	134	5	196850	94.36
				137	13	428770	96.45
	7109	K WHITE OFFSET	146	131	1	5280	89.72
				131	1	5280	89.72
	7124	BW K OFFSET - ANTIQUE	142	138	1	4900	97.18
				138	1	4900	97.18
	7200	RAVENSWOOD OPAQUE	140	145	1	9820	103.57
			140	137	2	65200	97.85
				138	3	75020	98.60
	7202	RAVENSWOOD OPAQUE	140	140	2	71560	100.00
			140	135	2	52360	96.42
				138	4	123920	98.49
	7204	RAVENSWOOD OPAQUE	140	142	1	19240	101.42
				142	1	19240	101.42
				140	166	4671610	98.24

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1100	E. B. NEW SHADE	138	138	14	296240	100.00
				138	14	296240	100.00
	1208	A.M. PRIDE	148	145	3	36190	97.97
			148	140	6	84690	94.59
			148	139	9	270910	93.91
			148	138	1	12720	93.24
			148	137	2	84760	92.56
			148	136	4	88160	91.89
			148	135	2	19530	91.21
			148	134	2	45520	90.54
				138	29	642480	93.44
	1210	GENERIC OFFSET	142	140	4	125960	98.59
				140	4	125960	98.59
	2513	IBM SUPERIOR OFFSET	140	146	1	5370	104.28
			140	145	1	19560	103.57
			140	142	1	20980	101.42
				144	3	45910	102.67
	2522	SPECIAL SOLITUDE OPAQUE	140	126	7	132580	90.00
				126	7	132580	90.00
	2535	MANUAL OFFSET	140	140	7	162600	100.00
				140	7	162600	100.00
	2536	I B M MANUAL	142	140	1	24960	98.59
				140	1	24960	98.59
	2962	GPO LOT 21	142	140	2	43450	98.59
				140	2	43450	98.59
	2967	VELLUM FINISH BOOK A90	142	138	4	77660	97.18
				138	4	77660	97.18
	3000	SUPERIOR OFFSET	142	138	8	344330	97.18
				138	8	344330	97.18
	3002	SUPERIOR OFFSET	142	149	3	65270	104.92
			142	146	2	80650	102.81
				147	5	145920	103.75
	3005	SUPERIOR OFFSET	142	148	1	12020	104.22
				148	1	12020	104.22
	3020	BW SUPERIOR OFFSET - ANTIQUE	142	136	3	27440	95.77
				136	3	27440	95.77

SB 865708

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 10/06/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1401	BRITISH OPAQUE - SERVICE OFFSE	116	114	4	50070	98.27
				114	4	50070	98.27
	1805	ALLIED PRIDE	105	105	5	45690	100.00
				105	5	45690	100.00
	2000	BRITE LITE THIN	110	103	14	168150	93.63
				103	14	168150	93.63
	2002	BRITE LITE THIN	110	108	17	285140	98.18
				108	17	285140	98.18
	2010	BRITE LITE THIN	110	107	2	8120	97.27
				107	2	8120	97.27
	2102	BRITISH OPAQUE	107	104	2	18600	97.19
				104	2	18600	97.19
	2200	IMPERIAL BIBLE	110	112	4	54300	101.81
				112	4	54300	101.81
	2223	NATO TEXT BIBLE 80	102	108	15	194580	105.88
			102	105	6	92480	102.94
				107	21	287060	104.93
	2224	NATO TEXT 80	110	102	2	17790	86.44
				102	2	17790	86.44
	6400	CIGARETTE TIPPING - CORK	114	101	4	33410	88.59
			114	100	21	165900	87.71
			114	99	11	113700	86.84
			114	98	6	65380	85.96
			114	97	7	60850	85.08
				99	49	439240	86.93
				104	120	1374160	95.47

SA 065709

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	1300		5	81630	
					5	81630	
	871	MASTERBASE TYPE V LTHW-S	350		2	10150	
					2	10150	
	874	TYPE 904-H	325		33	549150	
					33	549150	
	875	SHORT RUN MASTER BASE	340		2	27215	
					2	27215	
	876	MASTERBASE TYPE IV DT	320		50	1135280	
					50	1135280	
	877	TYPE IV 1/2 LT HW	350		2	14500	
					2	14500	
					94	1817925	

SH 865710

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				740	7	121310	105.71
	2210	IMPERIAL BIBLE EF NAT PUB	700	730	1	21900	104.28
			700	750	13	167350	107.14
				748	14	189250	106.81
	2528	A H DICTIONARY	700	750	2	2200	107.14
				750	2	2200	107.14
	2535	MANUAL OFFSET	700	750	2	41400	107.14
				750	2	41400	107.14
	2543	A.P. LIGHTWEIGHT	720	750	5	55070	104.16
				750	5	55070	104.16
	2552	A.P. LIGHTWEIGHT VELLUM	720	750	2	8860	104.16
				750	2	8860	104.16
	2961	BW 8 OFFSET	630		1		
			630	700	1	42280	111.11
			630	710	4	165590	112.69
				708	6	207870	112.37
	3835	WHITE BOOK LITE	720	760	10	218820	105.55
				760	10	218820	105.55
	5200	TABUET INTERCO	750	760	2	43790	101.33
				760	2	43790	101.33
	7100	K WHITE OFFSET	700	760	4	83280	108.57
				760	4	83280	108.57
	7102	K WHITE OFFSET	630	650	1	39490	103.17
			630	670	1	37470	106.34
			630	700	4	100730	111.11
				683	6	177690	108.34
	7104	K WHITE OFFSET	550	640	1	4290	116.36
				640	1	4290	116.36
				653	151	3359860	108.15

SB 865711

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	720		1		
			720	730	1	19190	101.38
				730	2	19190	101.38
	271	TYPE IV BASE STOCK DRY TON	450	510	1	22560	113.33
				510	1	22560	113.33
	274	TYPE 904-B R.S.	580	500	2	35780	86.20
			580	530	5	132370	91.37
			580	540	3	110560	93.10
			580	570	4	108420	98.27
				541	14	387130	93.32
	275	SHORT RUN MASTER RAWSTOCK	650	650	4	37010	100.00
				650	4	37010	100.00
	276	TYPE IV E DT BLADE BASE	500		1		
			500	500	3	81480	100.00
			500	510	1	24900	102.00
			500	530	1	22420	106.00
			500	540	1	45510	108.00
			500	550	8	197580	110.00
			500	560	9	206590	112.00
			500	570	7	248520	114.00
			500	580	5	89970	116.00
			500	670	1	16930	134.00
				556	37	933900	111.24
	1000	Q.P. OFFSET	670	710	1	22240	105.97
			670	720	4	142340	107.46
			670	730	8	268170	108.95
			670	740	4	74560	110.44
				728	17	507310	108.62
	1208	A.M. PRIDE	700	700	1	18930	100.00
				700	1	18930	100.00
	1210	GENERIC OFFSET	550	610	4	88010	110.90
			620	650	2	25940	104.83
				619	6	113950	109.52
	1549	B W J OFFSET	380	630	4	71370	165.78
				630	4	71370	165.78
	1800	PRIDE OPAQUE	720	730	1	29000	101.38
			720	750	3	65680	104.16
				744	4	94680	103.31
	2002	BRITE LITE THIN	700	740	7	121310	105.71

SA 865712

MACH SPEED EFFIGIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7122	BW K OFFSET - ANTIQUE	730	710	1	18880	97.26
			730	720	5	57910	98.63
				718	6	76790	98.29
	7123	BW K OFFSET - ANTIQUE	650	720	1	26560	110.76
				720	1	26560	110.76
	7125	BW K OFFSET - ANTIQUE	500	530	2	27720	106.00
				530	2	27720	106.00
	7204	RAVENSWOOD OPAQUE	598	640	2	20130	108.47
				640	2	20130	108.47
				725	208	3806650	103.61

SA 065713

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			720	770	3	75410	106.94
				784	5	110610	106.06
	7100	K WHITE OFFSET	720	750	3	46780	104.16
			720	780	4	60600	108.33
				767	7	107380	106.51
	7101	K WHITE OFFSET	730		1		
			730	710	1	17310	97.26
			730	780	7	76930	106.84
				767	9	94240	105.08
	7102	K WHITE OFFSET	730	700	1	3760	95.89
			730	710	3	41880	97.26
			730	720	23	536580	98.63
			730	730	28	651680	100.00
			730	740	6	80600	101.36
			730	760	17	386050	104.10
			730	790	1	1100	108.21
				734	79	1701650	100.49
	7103	K WHITE OFFSET	650	650	1	10440	100.00
			650	660	1	7420	101.53
			650	680	2	7230	104.61
			650	700	2	37970	107.69
				695	6	63060	105.34
	7104	K WHITE OFFSET	590		1		
			590	590	1	22650	100.00
			590	600	9	140760	101.69
			590	620	4	60110	105.08
			590	625	1	30150	105.93
			590	630	1	11820	106.77
			590	640	15	233150	108.47
				623	32	498040	105.57
	7105	K WHITE OFFSET	500		1		
			500	530	1	40830	106.00
				530	2	40830	106.00
	7107	K WHITE OFFSET	400	450	1	7920	112.50
				450	1	7920	112.50
	7109	BW K OFFSET	300	320	1	17680	106.66
				320	1	17680	106.66
	7120	B W K OFFSET - ANTIQUE	720	760	2	12300	105.55
				760	2	12300	105.55

SA 065714

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1203	A.M. PRIDE	730	780	3	11850	106.84
				780	3	11850	106.84
	1205	A. M. PRIDE	730	780	4	88680	106.84
				780	4	88680	106.84
	1528	BW J OFFSET	730	730	2	39540	100.00
				730	2	39540	100.00
	1800	PRIDE OPAQUE	730	780	5	67280	106.84
				780	5	67280	106.84
	1810	BW PRIDE OPAQUE	720	760	2	8260	105.55
				760	2	8260	105.55
	2204	IMPERIAL BIBLE	730	780	7	208470	106.84
				780	7	208470	106.84
	2240	LAWYERS WHITE OFFSET	730	780	5	105000	106.84
				780	5	105000	106.84
	2241	LAWYERS OFFSET	730	780	7	181680	106.84
				780	7	181680	106.84
	2254	EX. WHITE IMPERIAL BIBLE	730	760	1	4060	104.10
			730	780	1	11500	106.84
				775	2	15560	106.13
	2503	SOLITUDE OPAQUE	730	780	1	13300	106.84
				780	1	13300	106.84
	2513	IBM SUPERIOR OFFSET	720	780	2	42210	108.33
				780	2	42210	108.33
	2535	MANUAL OFFSET	720	750	1	20660	104.16
			720	760	1	23440	105.55
			720	780	5	81820	108.33
				771	7	125920	107.13
	2543	A.P. LIGHTWEIGHT	730	780	3	33800	106.84
				780	3	33800	106.84
	2545	A.P. LIGHTWEIGHT	730	780	2	44050	106.84
				780	2	44050	106.84
	2904	DICKENS OFFSET	500	620	1	15540	124.00
				620	1	15540	124.00
	3000	SUPERIOR OFFSET	720	750	2	35200	104.16

SB 865715

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				725	15	160850	108.27
	2542	A P LIGHT WEIGHT	670	740	3	50030	110.44
				740	3	50030	110.44
	5200	TABLET INTERCO	680	720	3	78810	105.88
			750	740	14	455570	98.66
				737	17	534380	99.72
	7101	K WHITE OFFSET	630	650	1	10400	103.17
			630	670	2	74800	106.34
				668	3	85200	105.95
	7104	K WHITE OFFSET	550	570	1	35440	103.63
			550	575	1	8520	104.54
				571	2	43960	103.81
				744	129	2568240	104.93

SH 865716

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1100	E. B. NEW SHADE	750	680	1	17650	90.66
			790	790	2	44580	100.00
			780	780	28	673300	104.00
				776	31	735530	103.44
	2000	BRITE LITE THIN	670	780	2	11980	116.41
				780	2	11980	116.41
	2006	BRITE LITE THIN	670	780	5	54070	116.41
				780	5	54070	116.41
	2013	BRITELITE THIN	680	730	3	17970	107.35
			680	740	2	9570	108.82
			680	780	5	71990	114.70
			680	840	1	23220	123.52
				781	11	122750	114.83
	2104	BRITISH OPAQUE	740	740	1	15900	100.00
			740	780	1		105.40
				740	2	15900	100.00
	2202	IMPERIAL BIBLE	750	780	2	42240	104.00
				780	2	42240	104.00
	2210	IMPERIAL BIBLE EF NAT PUB	710	740	1	20600	104.22
			710	779	2	50850	109.45
			710	775	1	24480	109.15
			710	780	3	75910	109.85
				772	7	171840	108.66
	2221	EXTRA WH IMPERIAL BIBLE	670		1		
			670	730	2	27750	108.95
				730	3	27750	108.95
	2223	NATO TEXT BIBLE 80	670		1		
			670	700	1	4500	104.47
			670	770	5	48830	114.92
			670	775	6	48980	115.67
			670	780	2	16740	116.41
				771	15	119050	115.04
	2237	BW SPEC. ALLIED BIBLE	680	700	11	392710	102.94
				700	11	392710	102.94
	2500	SOLITUDE OPAQUE	670	630	2	19060	94.02
			670	730	9	106310	108.95
			670	750	1	1400	111.94
			670	760	2	27780	113.43
			670	780	1	6300	116.41

SB 065717

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				773	3	27440	104.51
	3830	WHITE BOOKLITE	750	780	1	1600	104.00
				780	1	1600	104.00
	3833	WHITE BOOK LITE	750	780	3	73810	104.00
				780	3	73810	104.00
	7100	K WHITE OFFSET	740	780	1	9680	105.40
				780	1	9680	105.40
	7101	K WHITE OFFSET	720	730	8	292780	101.38
			720	750	11	464410	104.16
			720	760	3	79460	105.55
			720	780	1	46810	108.33
				746	23	883460	103.58
	7102	K WHITE OFFSET	700		1		
			700	680	3	30800	97.14
			700	720	3	65190	102.85
			700	730	13	574570	104.28
			700	740	7	293820	105.71
				731	27	964380	104.39
	7104	K WHITE OFFSET	620	620	3	101760	100.00
			620	630	2	37800	101.61
			620	640	7	279770	103.22
			620	650	1	9440	104.83
				635	13	428770	102.35
	7105	K WHITE OFFSET	480	680	1	5280	120.83
				580	1	5280	120.83
	7124	BW K OFFSET - ANTIQUE	620	650	1	4900	104.83
				650	1	4900	104.83
	7200	RAVENSWOOD OPAQUE	740	720	1	9820	97.29
			740	780	2	65200	105.40
				772	3	75020	104.34
	7202	RAVENSWOOD OPAQUE	700	650	1	27720	92.85
			700	680	1	24640	97.14
			700	730	2	71560	104.28
				702	4	123920	100.30
	7204	RAVENSWOOD OPAQUE	620	650	1	19240	104.83
				650	1	19240	104.83
				719	166	4671610	102.83

SA 86518

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

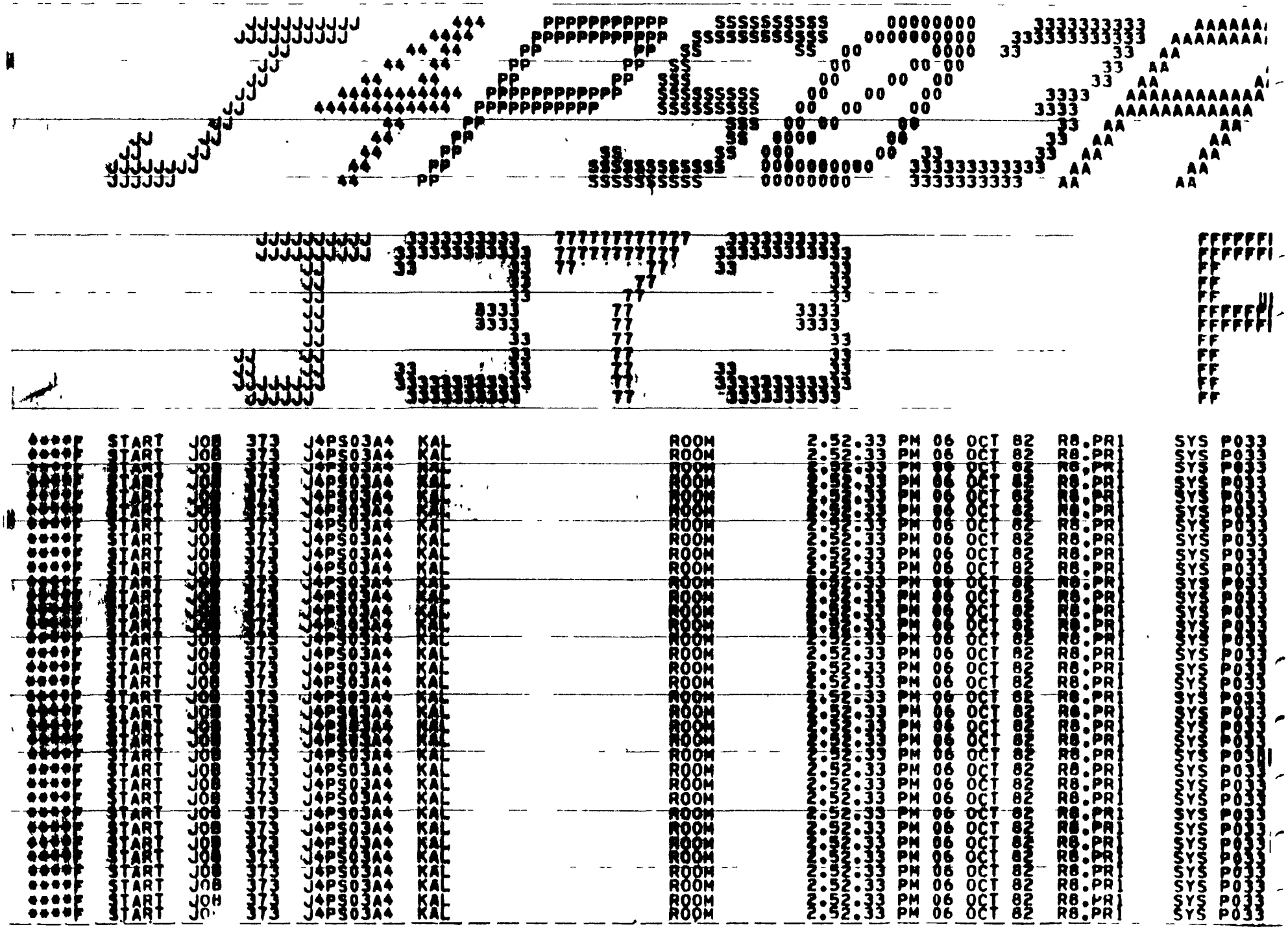
MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1100	E. B. NEW SHADE	750	700	14	296240	93.33
				700	14	296240	93.33
	1208	A.M. PRIDE	700		1		
			700	660	2	52990	94.28
			700	680	4	142010	97.14
			700	700	5	89490	100.00
			700	720	2	44320	102.85
			700	730	2	45520	104.28
			700	740	3	84160	105.71
			700	750	8	183490	107.14
				715	29	642480	102.19
	1210	GENERIC OFFSET	620	630	4	125960	101.61
				630	4	125960	101.61
	2513	IBM SUPERIOR OFFSET	740	770	2	24930	104.05
			740	780	1	20980	105.40
				775	3	45910	104.67
	2522	SPECIAL SOLITUDE OPAQUE	750	780	7	132580	104.00
				780	7	132580	104.00
	2535	MANUAL OFFSET	740	770	4	87880	104.05
			740	780	3	74720	105.40
				775	7	162600	104.67
	2536	I B M MANUAL	700	700	1	24960	100.00
				700	1	24960	100.00
	2962	GPO LOT 21	620	620	1	23410	100.00
			620	640	1	20040	103.22
				629	2	43450	101.49
	2967	VELLUM FINISH BOOK A90	480	520	4	77660	108.33
				520	4	77660	108.33
	3000	SUPERIOR OFFSET	740	770	8	344330	104.05
				770	8	344330	104.05
	3002	SUPERIOR OFFSET	700	680	3	65270	97.14
			700	740	2	80650	105.71
				713	5	145920	101.88
	3005	SUPERIOR OFFSET	480	580	1	12020	120.83
				580	1	12020	120.83
	3020	BW SUPERIOR OFFSET - ANTIQUE	740	740	1	4520	100.00
			740	780	2	22920	105.40

SA 865719

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 5 OF MONTH 09,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	1401	BRITISH OPAQUE - SERVICE OFFSE	600	620	1	9070	103.33
			600	630	1	10460	105.00
			600	640	1	19490	106.66
			600	700	1	11050	116.66
				648	4	50070	107.92
	1805	ALLIED PRIDE	570	540	5	45690	94.73
				540	5	45690	94.73
	2000	BRITE LITE THIN	620	700	14	168150	112.90
				700	14	168150	112.90
	2002	BRITE LITE THIN	600	600	2	35340	100.00
			600	650	1	7140	108.33
			600	700	14	242660	116.66
				686	17	285140	114.39
	2018	BRITE LITE THIN	600	700	2	8120	116.66
				700	2	8120	116.66
	2102	BRITISH OPAQUE	600	540	1	14580	90.00
			600	550	1	4020	91.66
				542	2	18600	90.36
	2200	IMPERIAL BIBLE	600	630	4	54300	105.00
				630	4	54300	105.00
	2223	NATO TEXT BIBLE 60	620	620	3	35080	100.00
			620	700	18	251980	112.90
				690	21	287060	111.32
	2224	NATO TEXT 60	600	620	1	5820	103.33
			600	700	1	11970	116.66
				674	2	17790	112.30
	6400	CIGARETTE TIPPING - CORK	500	500	28	247500	100.00
			500	520	11	99560	104.00
			500	550	10	92180	110.00
				515	49	439240	103.01
				624	120	1374160	108.33

SD 855720



SA 865721

PROGRAM: N4PS7610 — S C M A L L I E D P A P E R I N C. — PAGE 1
RUN DATE: 09/01/82 — DAILY PRODUCTION SYSTEM
RUN TIME: 171546 — PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
5	25.00	1401	BRITISH OPAQUE - SER								
5	30.00	1800	PRIDE OPAQUE								
5	21.00	2006	BRITE LITE THIN								
5	21.00	2009	ROYAL LITE	24.1	21.2	95.96	30815	32970		32970	106.99
5	18.00	2018	BRITE LITE THIN	40.2	36.0	97.69	58547	63280	3080	60200	102.82
5	30.00	2202	IMPERIAL BIBLE	5.4	4.2	84.85	11947	12720		12720	106.47
5	24.00	2210	IMPERIAL BIBLE EF NA								
5	24.00	2219	SPEC. IMP. BIBLE								
5	20.00	2222	NATO TEXT 80 BIBLE	58.0	55.0	103.45	102395	106200	1760	104440	102.00
5	21.00	2223	NATO TEXT BIBLE 80	209.5	199.5	103.88	396432	415580	17140	398440	100.51
5	25.00	2501	SOLITUDE OPAQUE						1250	1250	
5	20.00	2540	A-P-LIGHT WEIGHT	55.3	48.0	94.69	95351	87680	6400	81280	85.24
5	21.50	6400	CIGARETTE TIPPING -	202.8	185.8	99.95	279568	273620	10930	262690	93.96
	20.87		MACH TOTAL 1.09091	595.3	549.7	100.73	975055	992050	40560	951490	97.58
6	30.00	1100	E. B. NEW SHADE								
6	50.00	1208	A.M. PRIDE	25.1	23.5	102.14	159041	171560		171560	107.87
6	60.00	1210	GENERIC OFFSET	4.7	4.7	109.09	34232	39480		39480	115.33
6	48.00	1528	BW J OFFSET	9.4	8.7	100.97	57979	65920		65920	113.70
6	40.00	2506	SOLITUDE OPAQUE								
6	40.00	2513	IBM SUPERIOR OFFSET								
6	40.00	2535	MANUAL OFFSET	90.6	82.2	98.98	481026	522000		522000	108.52
6	30.00	2543	A.P. LIGHTWEIGHT								
6	60.00	2962	GPO LOT 21	18.6	17.8	104.40	130578	130520		130520	99.96
6	50.00	3002	SUPERIOR OFFSET	10.5	10.0	103.90	69160	81720		81720	118.16
6	70.00	3005	SUPERIOR OFFSET								
6	39.50	5200	TABLET INTERCO	13.2	12.1	100.00	63523	69750		69750	109.80
6	48.00	7100	K WHITE OFFSET	74.1	67.9	99.96	404517	407470	12340	395130	97.68
6	45.00	7101	K WHITE OFFSET	27.2	21.7	87.03	128753	138000	2820	135180	104.99
6	50.00	7102	K WHITE OFFSET	157.3	148.1	102.71	1008352	1101060		1101060	109.19
6	55.00	7103	K WHITE OFFSET	1.5	1.5	109.09	11466	11400		11400	99.42
6	60.00	7104	K WHITE OFFSET	23.7	22.1	101.73	162416	157600		157600	97.03
6	70.00	7105	K WHITE OFFSET	8.0	7.5	102.27	49129	55040	4720	50320	102.42
6	90.99	7109	BW K OFFSET								
6	56.00	7122	BW K OFFSET - ANTIQU	1.2	1.0	90.91	6718	4400		4400	65.50
6	40.00	7200	RAVENSWOOD OPAQUE	32.6	31.4	105.08	186341	202310		202310	108.57
6	45.00	7201	RAVENSWOOD OPAQUE	6.7	6.4	104.21	40857	44280		44280	108.38
6	29.50	9001	DUPONT PAPER (BLUE)	92.3	82.7	97.74	305990	300050	1900	298150	97.44
6	28.50	9010	BLUE GREEN DUPONT PA	41.7	40.7	106.47	150590	148340		148340	98.51
	45.11		MACH TOTAL 1.09091	638.4	590.0	100.82	3450668	3650900	21780	3629120	105.17
	39.93		MILL C TOTAL	1233.7	1139.7	100.78	4425723	4642950	62340	4580610	103.50
7	30.00	1100	E. B. NEW SHADE	204.6	167.0	89.04	732849	673630	52010	621620	84.82
7	20.00	2000	BRITE LITE THIN	68.0	58.8	94.33	149231	125000	9140	115860	77.64

SA 865722

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC
7	22.00	2001	BRITE LITE THIN	29.0	27.2	102.32	66212	71160		71160	107.47
7	21.00	2009	BRITE LITE THIN								
7	24.00	2009	ROYAL LITE	75.7	58.8	84.74	137376	98920	12160	86760	63.16
7	35.00	2200	IMPERIAL BIBLE						1270	1270	
7	30.00	2202	IMPERIAL BIBLE	31.7	23.6	81.22	94557	47720	4880	42840	45.31
7	24.00	2210	IMPERIAL BIBLE EF NA	66.2	63.7	104.97	195684	206780	12000	194780	99.54
7	21.00	2223	NATO TEXT BIBLE 80								
7	24.00	2224	NATO TEXT 80								
7	35.00	2231	ALLIED SPECIAL BIBLE	10.2	8.5	90.91	38575	41070		41070	106.47
7	24.00	2500	SOLITUDE OPAQUE	31.6	27.3	94.25	69843	49820		49820	71.33
7	25.00	2501	SOLITUDE OPAQUE	2.4	1.6	72.73	4200	4080		4080	97.14
7	30.00	2503	SOLITUDE OPAQUE	73.2	66.3	98.81	276189	251760		251760	91.15
7	35.00	2504	SOLITUDE OPAQUE								
7	40.00	2513	IBM SUPERIOR OFFSET	12.7	12.2	104.80	49219	55800		55800	113.37
7	40.00	2535	MANUAL OFFSET	9.8	9.8	109.09	39513	43860		43860	111.00
7	20.00	2540	A P LIGHT WEIGHT	9.2	7.2	85.38	15430	16170	1050	15120	97.99
7	35.00	2545	A.P. LIGHTWEIGHT	8.3	7.6	99.89	29206	21300		21300	72.93
7	50.00	7102	K WHITE OFFSET								
7	45.00	7201	RAVENSWOOD OPAQUE	7.8	7.5	104.90	35909	32720		32720	91.12
7	50.00	7202	RAVENSWOOD OPAQUE	5.0	4.8	104.73	20563	21990		21990	106.94
7	60.00	7204	RAVENSWOOD OPAQUE	5.8	5.5	103.45	30260	22890		22890	75.64
	29.10		MACH TOTAL 1.09091	651.2	557.4	93.38	1984816	1784670	92510	1692160	85.26
8	45.00	1000	O.P. OFFSET	42.6	42.1	107.81	222688	241610		241610	108.50
8	35.00	1205	A. M. PRIDE	6.9	6.6	104.35	24948	21795		21795	87.36
8	40.00	1206	SPEC A.M. PRIDE	20.5	19.3	102.71	83842	94410	11940	82470	98.36
8	45.00	1207	A.M. PRIDE	16.6	15.3	100.55	84479	71800	10460	61340	72.61
8	30.00	1800	PRIDE OPAQUE	19.4	13.8	77.60	45884	49235	1350	47885	104.36
8	33.00	1803	PRIDE OPAQUE	1.8	.9	54.55	3243	3680		3680	113.48
8	40.00	1819	BW PRIDE OPAQUE	9.4	8.6	99.81	40501	46090		46090	113.80
8	35.00	2241	LAWYERS OFFSET	82.3	71.2	94.38	281952	284940	1210	283730	100.63
8	43.00	2243	LAWYERS OFFSET	18.7	17.2	100.34	86240	93540		93540	108.46
8	30.00	2503	SOLITUDE OPAQUE	23.6	22.1	102.16	77595	72940		72940	94.00
8	35.00	2508	SOLITUDE OPAQUE								
8	40.00	2513	IBM SUPERIOR OFFSET	25.2	22.7	98.27	100427	97560		97560	97.15
8	39.00	2514	INTERNATIONAL HARVES	4.7	4.1	95.16	16383	17520		17520	106.94
8	40.00	2535	MANUAL OFFSET								
8	30.00	2543	A.P. LIGHTWEIGHT	2.7	2.2	88.89	6708	7770		7770	115.83
8	40.00	3008	SUPERIOR OFFSET	2.7	2.3	92.93	9999	11530		11530	115.31
8	70.00	3065	SUPERIOR OFFSET	3.2	3.0	102.27	16153	17120		17120	105.99
8	37.00	3037	C W SUPERIOR OFFSET								
8	40.00	7100	K WHITE OFFSET	50.9	48.3	103.52	209730	218990	3630	215360	102.68
8	45.00	7101	K WHITE OFFSET	60.7	48.2	86.63	231720	238770	1280	237490	102.49
8	50.00	7102	K WHITE OFFSET	99.1	87.5	96.32	492125	494190	10460	483730	98.29
8	55.00	7103	K WHITE OFFSET	2.4	2.3	104.55	12054	14070		14070	116.72
8	60.00	7104	K WHITE OFFSET	45.3	42.3	101.87	231215	241260		241260	104.34
8	70.00	7105	K WHITE OFFSET	2.2	1.9	94.21	10447	11940		11940	114.29

SA 065723

PROGRAM: N4PS7610 — S C M A L L I E D P A P E R I N C. — PAGE 3
RUN DATE: 09/01/82 — DAILY PRODUCTION SYSTEM
RUN TIME: 171540 — PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC
8	65.00	7120	K OFFSET-ANT.	7.2	7.0	106.06	39704	46200		46200	116.36
8	50.00	7122	BW K OFFSET - ANTIQU	18.0	15.9	96.36	89499	82540		82540	92.22
8	55.00	7123	BW K OFFSET - ANTIQU	3.0	1.0	36.36	5695	7470		7470	131.17
8	57.00	7126	B.W. K OFFSET	24.1	23.1	104.56	119375	96650		96650	80.96
8	40.00	7200	RAVENSWOOD OPAQUE	51.6	46.4	98.10	206034	225920		225920	108.60
	45.23		MACH TOTAL 1.09091	644.8	575.3	97.33	2750640	2809540	40330	2769210	100.68
9	38.00	203	LAUREL TEXT - RS	15.7	13.3	92.41	55689	55970	4120	51850	93.11
9	69.00	273	TYPE IV E DT BLADE B	13.6	12.6	101.07	61093	62970		62970	103.07
9	55.00	274	TYPE 904-B R.S.	168.9	155.6	100.50	795907	664380	4600	659780	82.90
9	60.00	276	TYPE IV E DT BLADE B	87.4	83.2	103.85	413989	430430	19060	411370	99.37
9	64.00	277	TYPE IV I/2 LT HW BA	7.0	5.7	88.83	30659	20700		20700	67.52
9	35.00	1205	A. M. PRIDE	17.3	15.4	97.11	45598	25100		25100	55.05
9	35.00	1806	ALLIED PRIDE	18.4	16.3	96.64	54909	49490		49490	90.13
9	40.00	1810	BW PRIDE OPAQUE	11.8	9.6	88.75	37824	40100	920	39180	103.59
9	60.00	1904	TENNYSON OFFSET	27.9	25.7	100.49	157854	142950		142950	90.56
9	24.00	2124	EXTRA WHITE BRITISH						3720	3720	
9	35.00	2504	SOLITUDE OPAQUE	7.7	6.8	96.34	27229	24160		24160	88.73
9	40.00	2513	IBM SUPERIOR OFFSET	21.6	18.1	91.41	78467	66690		66690	84.99
9	30.00	2516	CELLUPAQUE								
9	40.00	2535	MANUAL OFFSET	47.8	43.1	98.36	182504	192930		192930	105.71
9	50.00	2536	I B M MANUAL	5.7	4.5	86.12	19180	21720		21720	113.24
9	35.00	2546	A.P. LIGHTWEIGHT	7.1	5.9	90.65	22052	23250		23250	105.43
9	40.00	2940	GPO LOT 16 OFFSET	11.3	10.7	103.30	40041	45930	7230	38700	96.65
9	35.00	3535	RANKOTE II (SCHOOLCO								
9	30.00	3830	WHITE BOOKLITE								
9	40.00	7100	K WHITE OFFSET	69.3	67.6	106.41	290515	316440		316440	108.92
9	50.00	7102	K WHITE OFFSET	53.9	48.6	98.36	233118	247290	2600	244690	104.96
9	40.00	7200	RAVENSWOOD OPAQUE	25.3	18.6	80.20	85007	91160		91160	107.24
9	50.00	7202	RAVENSWOOD OPAQUE	19.8	16.8	92.56	78320	68190	3610	64580	82.46
	50.20		MACH TOTAL 1.09091	637.5	578.1	98.93	2709955	2589850	45860	2543990	93.88
	43.01		MILL D TOTAL	1933.5	1710.8	96.53	7445411	7184060	178700	7005360	94.09
	41.80		BOOK MILL TOTAL	3167.2	2850.5	98.18	11871134	11827010	241040	11585970	97.60
17	50.00	803	LAUREL TEXT								
17	48.00	821	CAMELIA MATTE								
17	92.00	873	MASTERBASE TYPE IV D	14.2	14.2	110.35	59612	70000		70000	117.43
17	78.00	874*	TYPE 904-B	269.3	230.0	94.24	806311	667400	1360	666040	82.60
17	87.50	876*	MASTERBASE TYPE IV D	159.1	146.3	101.47	592727	627190	9280	617910	104.25
	92.00		BLADE SUBTOTAL	14.2	14.2	110.35	59612	70000		70000	117.43
	82.60		*BLADE SUBTOTAL	428.4	376.3	96.93	1399038	1294590	10640	1283950	91.77
	83.08		BLADE COATER 1.10345	442.6	390.5	97.36	1458650	1364590	10640	1353950	92.82

SA 865724

PROGRAM: N4PS7610 S C M A L L I E D P A P E R I N C. PAGE 4
RUN DATE: 09/01/82 DAILY PRODUCTION SYSTEM
RUN TIME: 171546 PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-G	PRODUCTION ACT	PRODUCTION EFFIC
	42.10		GRAND SUBTOTAL	3181.4	2864.7	98.24	11930746	11897010	241040	11655970	97.70
	82.60		*GRAND SUBTOTAL	428.4	376.3	96.93	1399038	1294590	10640	1283950	91.77
	46.07		GRAND TOTAL	3609.8	3241.0	98.08	13329784	13191600	251680	12939920	97.08

SA 365725

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	873	MASTERBASE TYPE IV OTHW	102	114	2	32080	111.76
			102	113	2	37920	110.78
				113	4	70000	111.23
	874	TYPE 904-R	102	118	3	23970	115.68
			102	114	10	102440	111.76
			102	112	14	154720	109.80
			102	111	10	89730	108.82
			102	110	5	61470	107.84
			102	108	3	32530	105.88
			102	105	15	202540	102.94
				110	60	667400	107.73
	876	MASTERBASE TYPE IV DT	102	116	3	70130	113.72
			102	115	22	557060	112.74
				115	25	627190	112.65
				112	89	1364590	110.26

SH 865726

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			110	105	4	41500	95.45
				108	10	192930	97.96
	2536	I B M MANUAL	110	96	2	21720	87.27
				96	2	21720	87.27
	2545	A.P. LIGHTWEIGHT	110	105	4	23250	95.45
				105	4	23250	95.45
	2960	GPO LOT 16 OFFSET	110	99	2	45930	90.00
				99	2	45930	90.00
	7100	K WHITE OFFSET	110	113	1	31770	102.72
			110	110	8	226610	100.00
			110	104	2	58060	94.54
				109	11	316440	99.27
	7102	K WHITE OFFSET	110	115	2	34950	104.54
			110	113	2	45250	102.72
			110	107	3	46070	97.27
			110	105	5	105180	95.45
			110	104	1	15840	94.54
				108	13	247290	98.35
	7200	RAVENSWOOD OPAQUE	110	116	4	91160	105.45
				116	4	91160	105.45
	7202	RAVENSWOOD OPAQUE	110	105	6	68190	95.45
				105	6	68190	95.45
				112	136	2589850	98.35

SH 865727

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	104	112	4	33140	107.69
			104	108	1	11760	103.84
			104	100	2	11070	96.15
				109	7	55970	104.60
	273	TYPE IV E DT BLADE BASE	104	116	3	62970	111.53
				116	3	62970	111.53
	274	TYPE 904-B R.S.	110	120	2	23600	109.09
			110	117	4	90120	106.36
			110	116	2	42350	105.45
			110	115	11	259690	104.54
			110	114	6	91550	103.63
			110	108	7	157070	98.18
				114	32	664380	103.38
	276	TYPE IV E DT BLADE BASE	124	118	14	425320	95.16
			124	109	1	5110	87.90
				118	15	430430	95.07
	277	TYPE IV 1/2 LT HW BASE STOCK	144	119	2	20700	82.63
				119	2	20700	82.63
	1205	A. M. PRIDE	112	105	3	25100	93.75
				105	3	25100	93.75
	1805	ALLIED PRIDE	110	120	1	4440	109.09
			110	103	3	6770	93.63
			110	90	3	38280	81.81
				94	7	49490	85.87
	1810	BW PRIDE OPAQUE	110	100	2	40100	90.90
				100	2	40100	90.90
	1904	TENNYSON OFFSET	138	145	1	11560	105.07
			138	115	4	131390	83.33
				117	5	142950	85.09
	2504	SOLITUDE OPAQUE	110	113	2	20330	102.72
			110	108	1	3830	98.18
				112	1	24160	102.00
	2513	IBM SUPERIOR OFFSET	110	116	2	32890	105.45
			110	107	2	22500	97.27
			110	96	1	11300	87.27
				110	5	66690	99.61
	2535	MANUAL OFFSET	110	114	2	32710	103.63
			110	107	4	118720	97.27

SA 065728

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7122	BW K OFFSET - ANTIQUE	110	112	4	51890	101.81
			110	111	2	10770	100.90
			110	102	1	19880	92.72
				109	7	82540	99.50
	7123	BW K OFFSET - ANTIQUE	110	113	1	7470	102.72
				113	1	7470	102.72
	7126	B.W. K OFFSET	110	99	4	96650	90.00
				99	4	96650	90.00
	7200	RAVENSWOOD OPAQUE	110	115	4	89610	104.54
			110	112	1	20570	101.81
			110	107	3	93090	97.27
			110	106	2	22650	96.36
				111	10	225920	100.48
				109	168	2809540	99.09

SA 065729

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7100	K WHITE OFFSET	110	113	2	34950	102.72
			110	108	3	60980	98.18
			110	105	7	123060	95.45
				107	12	218990	97.37
	7101	K WHITE OFFSET	110	110	1	3960	100.00
			110	109	3	26140	99.09
			110	105	3	77380	95.45
			110	104	1	12280	94.54
			110	103	6	99190	93.63
			110	101	1	6980	91.81
			110	92	1	12840	83.63
				104	16	238770	94.38
	7102	K WHITE OFFSET	110	116	5	84460	105.45
			110	115	2	35970	104.54
			110	114	2	11450	103.63
			110	113	3	77880	102.72
			110	112	2	44880	101.81
			110	111	1	17360	100.90
			110	109	1	7980	99.09
			110	108	2	32300	98.18
			110	107	2	13370	97.27
			110	106	2	33180	96.36
			110	105	2	20040	95.45
			110	104	2	18910	94.54
			110	103	1	7350	93.63
			110	102	3	44000	92.72
			110	101	2	22980	91.81
			110	100	2	22080	90.90
				110	34	494190	99.59
	7103	K WHITE OFFSET	110	104	2	14070	94.54
				104	2	14070	94.54
	7104	K WHITE OFFSET	110	115	4	25810	104.54
			110	112	1	18300	101.81
			110	111	4	109100	100.90
			110	105	5	77600	95.45
			110	102	2	10450	92.72
				109	16	241260	99.25
	7105	K WHITE OFFSET	110	115	1	8100	104.54
			110	105	1	3840	95.45
				112	2	11940	101.67
	7110	K OFFSET ANT.	110	116	1	29160	105.45
			110	105	1	17040	95.45
				112	2	46200	101.76

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1000	G.P. OFFSET	114	114	7	241610	100.00
				114	7	241610	100.00
	1205	A. M. PRIDE	112	105	2	21795	93.75
				105	2	21795	93.75
	1206	SPEC A.M. PRIDE	105	107	3	94410	101.90
				107	3	94410	101.90
	1207	A.M. PRIDE	122	119	4	71800	97.54
				119	4	71800	97.54
	1800	PRIDE OPAQUE	110	111	1	12080	100.90
			110	107	3	37155	97.27
				108	4	49235	98.16
	1803	PRIDE OPAQUE	105	106	2	3680	100.95
				106	2	3680	100.95
	1810	BW PRIDE OPAQUE	110	116	2	46090	105.45
				116	2	46090	105.45
	2241	LAWYERS OFFSET	110	110	14	284940	100.00
				110	14	284940	100.00
	2243	LAWYERS OFFSET	110	115	4	93540	104.54
				115	4	93540	104.54
	2503	SOLITUDE OPAQUE	110	114	4	72940	103.63
				114	4	72940	103.63
	2513	IBM SUPERIOR OFFSET	110	112	4	41930	101.81
			110	107	4	48880	97.27
			110	106	2	6750	96.36
				109	10	97560	99.16
	2514	INTERNATIONAL HARVESTER OPAQUE	105	111	1	17520	105.71
				111	1	17520	105.71
	2543	A.P. LIGHTWEIGHT	112	99	1	7770	88.39
				99	1	7770	88.39
	3000	SUPERIOR OFFSET	110	111	1	3940	100.90
			110	105	1	7590	95.45
				107	2	11530	97.31
	3005	SUPERIOR OFFSET	110	109	2	17120	99.09
				109	2	17120	99.09

SA 865731

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 5
RUN DATE: 09/01/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7204	RAVENSWOOD OPAQUE	140	105	2	22890	75.00
				105	2	22890	75.00
				129	109	1784670	95.75

SD 065732

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1100	E. B. NEW SHADE	138	138	30	673630	100.00
				138	30	673630	100.00
	2000	BRITE LITE THIN	132	135	10	125000	102.27
				135	10	125000	102.27
	2001	BRITE LITE THIN	132	126	3	45120	95.45
			132	103	2	26040	78.03
				118	6	71160	89.08
	2009	ROYAL LITE	132	118	11	98920	89.39
				118	11	98920	89.39
	2202	IMPERIAL BIBLE	134	126	5	47720	94.02
				126	5	47720	94.02
	2210	IMPERIAL BIBLE EF NAT PUB	128	128	12	206780	100.00
				128	12	206780	100.00
	2231	ALLIED SPECIAL BIBLE	136	124	2	41070	91.17
				124	2	41070	91.17
	2500	SOLITUDE OPAQUE	133	123	5	49820	92.48
				123	5	49820	92.48
	2501	SOLITUDE OPAQUE	134	105	1	4080	78.35
				105	1	4080	78.35
	2503	SOLITUDE OPAQUE	134	131	11	251760	97.76
				131	11	251760	97.76
	2513	IBM SUPERIOR OFFSET	134	106	1	3900	79.10
			134	105	3	51900	78.35
				105	4	55800	78.40
	2535	MANUAL OFFSET	134	105	2	43860	78.35
				105	2	43860	78.35
	2540	A P LIGHT WEIGHT	105	114	2	16170	108.57
				114	2	16170	108.57
	2545	A.P. LIGHTWEIGHT	134	105	2	21300	78.35
				105	2	21300	78.35
	7201	RAVENSWOOD OPAQUE	140	105	3	32720	75.00
				105	3	32720	75.00
	7202	RAVENSWOOD OPAQUE	136	105	2	21990	77.20
				105	2	21990	77.20

SA 865733

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			142	113	2	42660	79.57
				138	41	1101060	97.30
	7103	K WHITE OFFSET	142	147	1	11400	103.52
				147	1	11400	103.52
	7104	K WHITE OFFSET	142	145	2	15380	102.11
			142	140	4	74790	98.59
			142	139	2	67430	97.88
				140	8	157600	98.63
	7105	K WHITE OFFSET	146	141	2	40360	96.57
			146	131	1	14680	89.72
				138	3	55040	94.74
	7122	BW K OFFSET - ANTIQUE	142	136	2	4400	95.77
				136	2	4400	95.77
	7200	RAVENSWOOD OPAQUE	140	142	5	197040	101.42
			140	141	1	5270	100.71
				142	6	202310	101.40
	7201	RAVENSWOOD OPAQUE	140	140	2	44280	100.00
				140	2	44280	100.00
	9001	DUPONT PAPER (BLUE)	148	148	12	300050	100.00
				148	12	300050	100.00
	9010	BLUE GREEN DUPONT PAPER	148	148	6	148340	100.00
				148	6	148340	100.00
				140	141	3650900	98.79

SB 065734

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1208	A.M. PRIDE	148	140	1	31160	94.59
			148	139	1	19280	93.91
			148	136	3	121120	91.89
				137	5	171560	92.61
	1210	GENERIC OFFSET	142	139	2	39480	97.88
				139	2	39480	97.88
	1528	BW J OFFSET	106	142	2	20750	133.96
			106	140	1	45170	132.07
				141	3	65920	132.66
	2535	MANUAL OFFSET	140	140	19	522000	100.00
				140	19	522000	100.00
	2962	GPO LOT 21	142	140	6	130520	98.59
				140	6	130520	98.59
	3002	SUPERIOR OFFSET	142	140	2	81720	98.59
				140	2	81720	98.59
	9200	TABLET INTERCO	142	133	1	5500	93.66
			142	125	2	64250	88.02
				126	3	69750	88.46
	7100	K WHITE OFFSET	142	146	4	130280	102.81
			142	145	4	54050	102.11
			142	140	5	201900	98.59
			142	137	1	21240	96.47
				142	14	407470	100.30
	7101	K WHITE OFFSET	142	146	2	47060	102.81
			142	140	1	10600	98.59
			142	121	3	80340	85.21
				131	6	138000	92.24
	7102	K WHITE OFFSET	142	148	1	33640	104.22
			142	146	2	69250	102.81
			142	145	2	22450	102.11
			142	143	3	76310	100.70
			142	142	1	22270	100.00
			142	141	2	43340	99.29
			142	140	16	429060	98.59
			142	139	3	56030	97.88
			142	138	2	79270	97.18
			142	137	2	54990	96.47
			142	134	1	43290	94.36
			142	133	1	18990	93.66
			142	129	3	109510	90.84

SA 865735

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 09/01/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	2009	ROYAL LITE	116	79	4	32970	68.10
				79	4	32970	68.10
	2018	BRITE LITE THIN	110	107	6	63280	97.27
				107	6	63280	97.27
	2202	IMPERIAL BIBLE	110	112	2	12720	101.81
				112	2	12720	101.81
	2222	NATO TEXT 80 BIBLE	102	107	9	106200	104.90
				107	9	106200	104.90
	2223	NATO TEXT BIBLE 80	102	108	30	415580	105.88
				108	30	415580	105.88
	2540	A P LIGHT WEIGHT	110	115	2	11620	104.54
			110	114	8	76060	103.63
				114	19	87680	103.75
	6400	CIGARETTE TIPPING - CORK	114	101	9	99360	88.59
			114	100	1	7080	87.71
			114	99	7	66640	86.84
			114	97	10	100540	85.08
				99	27	273620	86.85
				105	88	992050	98.48

SA 065736

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	873	MASTERBASE TYPE IV DTHW	320		4	70000	
					4	70000	
	874	TYPE 904-B	325		60	667400	
					60	667400	
	876	MASTERBASE TYPE IV DT	320		25	627190	
					25	627190	
					89	1364590	

SD 065737

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			700	760	1	25000	108.57
				743	10	192930	106.08
	2536	I B M MANUAL	630	650	2	21720	103.17
				650	2	21720	103.17
	2545	A.P. LIGHTWEIGHT	720	760	4	23250	105.55
				760	4	23250	105.55
	2960	GPO LOT 16 OFFSET	670	760	2	45930	113.43
				760	2	45930	113.43
	7100	K WHITE OFFSET	700	740	11	316440	105.71
				740	11	316440	105.71
	7102	K WHITE OFFSET	630	630	1	9100	100.00
			630	660	5	95580	104.76
			630	670	4	80200	106.34
			630	680	2	46570	107.93
			630	700	1	15840	111.11
				668	13	247290	106.10
	7200	RAVENSWOOD OPAQUE	700	730	2	24480	104.28
			700	740	2	66680	105.71
				737	4	91160	105.33
	7202	RAVENSWOOD OPAQUE	630	600	2	23770	95.23
			630	620	1	22340	98.41
			630	700	3	22080	111.11
				639	6	68190	101.41
				620	134	2589850	100.88

SA 065738

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	720	700	2	25090	97.22
			720	760	5	30880	105.55
				733	7	55970	101.82
	273	TYPE IV E DT BLADE BASE	430	450	1	26960	104.65
			430	470	2	36010	109.30
				461	3	62970	107.31
	274	TYPE 904-B R.S.	580	490	1	2610	84.48
			580	500	6	142810	86.20
			580	510	6	121120	87.93
			580	520	3	58860	89.65
			580	540	15	315230	93.10
			580	550	1	23750	94.82
				524	32	664380	90.40
	276	TYPE IV E DT BLADE BASE	500	500	4	125830	100.00
			500	520	5	155580	104.00
			500	540	5	140290	108.00
			500	550	1	8730	110.00
				521	15	430430	104.26
	277	TYPE IV 1/2 LT HW BASE STOCK	500	450	2	20700	90.00
				450	2	20700	90.00
	1205	A. M. PRIDE	570	740	3	25100	129.82
				740	3	25100	129.82
	1805	ALLIED PRIDE	720	750	5	45510	104.16
			720	760	2	3980	105.55
				751	7	49490	104.27
	1810	BW PRIDE OPAQUE	700	750	2	40100	107.14
				750	2	40100	107.14
	1904	TENNYSON OFFSET	620	580	4	137360	93.54
			620	740	1	5590	119.35
				586	5	142950	94.55
	2504	SOLITUDE OPAQUE	720	740	2	20330	102.77
			720	760	1	3830	105.55
				743	3	24160	103.21
	2513	IBM SUPERIOR OFFSET	700	690	3	44490	98.57
			700	710	1	10900	101.42
			700	750	1	11300	107.14
				703	5	66690	100.49
	2535	MANUAL OFFSET	700	740	9	167930	105.71

SA 065739

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				686	7	82540	93.99
	7123	BW K OFFSET - ANTIQUE	650	720	1	7470	110.76
				720	1	7470	110.76
	7126	B.W. K OFFSET	650	580	2	30460	89.23
			650	650	1	36360	100.00
			650	660	1	29830	101.53
				631	4	96650	97.08
	7200	RAVENSWOOD OPAQUE	720	740	1		102.77
			720	780	9	225920	108.33
				780	10	225920	108.33
				730	169	2809540	103.43

SA 065740

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				780	1	7770	106.84
	3000	SUPERIOR OFFSET	720	750	2	11530	104.16
				750	2	11530	104.16
	3005	SUPERIOR OFFSET	500	520	2	17120	104.00
				520	2	17120	104.00
	7100	K WHITE OFFSET	720	720	2	8100	100.00
			720	750	1	4170	104.16
			720	760	5	125970	105.55
			720	770	2	34950	106.94
			720	780	2	45800	108.33
				764	12	218990	106.12
	7101	K WHITE OFFSET	730	690	1	10280	94.52
			730	720	1	12280	98.63
			730	740	1	12840	101.36
			730	750	8	104230	102.73
			730	760	4	88020	104.10
			730	780	1	11120	106.84
				750	16	238770	102.79
	7102	K WHITE OFFSET	730	720	19	299390	98.63
			730	730	1	27820	100.00
			730	740	4	56000	101.36
			730	745	3	35690	102.05
			730	750	7	75290	102.73
				729	34	494190	99.89
	7103	K WHITE OFFSET	650	680	2	14070	104.61
				680	2	14070	104.61
	7104	K WHITE OFFSET	590	540	1	4000	91.52
			590	580	1	7370	98.30
			590	600	1	10540	101.69
			590	610	1	10980	103.38
			590	620	12	208370	105.08
				616	15	241260	104.42
	7105	K WHITE OFFSET	500	540	2	11940	108.00
				540	2	11940	108.00
	7110	K OFFSET ANT.	550	600	2	46200	109.09
				600	2	46200	109.09
	7122	BW K OFFSET - ANTIQUE	730	680	4	51890	93.15
			730	690	2	10770	94.52
			730	700	1	19880	95.89

SP 865741

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1000	Q.P. OFFSET	730	730	1	37770	100.00
			730	750	6	203840	102.73
				747	7	241610	102.30
	1205	A. M. PRIDE	730	750	2	21795	102.73
				750	2	21795	102.73
	1206	SPEC A.M. PRIDE	720	780	3	94410	108.33
				780	3	94410	108.33
	1207	A.M. PRIDE	730	720	2	58340	98.63
			730	730	1	1050	100.00
			730	750	1	12410	102.73
				725	4	71800	99.36
	1800	PRIDE OPAQUE	730	750	4	49235	102.73
				750	4	49235	102.73
	1803	PRIDE OPAQUE	730		1		
			730	750	1	3680	102.73
				750	2	3680	102.73
	1810	BW PRIDE OPAQUE	720	750	1	16400	104.16
			720	780	1	29690	108.33
				769	2	46090	106.85
	2241	LAWYERS OFFSET	730		1		
			730	770	8	186720	105.47
			730	780	5	98220	106.84
				773	14	284940	105.94
	2243	LAWYERS OFFSET	720	720	1	28110	100.00
			720	730	1	22950	101.38
			720	750	2	42480	104.16
				736	4	93540	102.23
	2503	SOLITUDE OPAQUE	730	750	3	43490	102.73
			730	780	1	29450	106.84
				762	4	72940	104.39
	2513	IBM SUPERIOR OFFSET	720	750	2	30480	104.16
			720	760	6	60330	105.55
			720	780	2	6750	108.33
				758	10	97560	105.31
	2514	INTERNATIONAL HARVESTER OPAQUE	730	780	1	17520	106.84
				780	1	17520	106.84
	2543	A.P. LIGHTWEIGHT	730	780	1	7770	106.84

SD 065742

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				709	2	16170	105.78
	2545	A.P& LIGHTWEIGHT	740	760	1	10910	102.70
			740	780	1	10390	105.40
				770	2	21300	104.02
	7201	RAVENSWOOD OPAQUE	72[illegible]	630	3	32720	87.50
				630	3	32720	87.50
	7202	RAVENSWOOD OPAQUE	580	600	2	21990	103.44
				600	2	21990	103.44
	7204	RAVENSWOOD OPAQUE	620	570	2	22890	91.93
				570	2	22890	91.93
				740	109	1784670	102.72

SA 065743

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1100	E. B. NEW SHADE	750	730	1		97.33
			750	740	6	111040	98.66
			750	750	8	216670	100.00
			750	760	7	151030	101.33
			750	770	5	123830	102.66
			750	780	3	71060	104.00
				757	30	673630	100.99
	2000	BRITE LITE THIN	670	670	2	12100	100.00
			670	720	3	42640	107.46
			670	730	5	70260	108.95
				721	10	125000	107.58
	2001	BRITE LITE THIN	670	720	5	71160	107.46
				720	5	71160	107.46
	2009	ROYAL LITE	670	720	5	65610	107.46
			670	730	6	33310	108.95
				723	11	98920	107.96
	2202	IMPERIAL BIBLE	750	760	3	28560	101.33
			750	780	2	19160	104.00
				768	5	47720	102.40
	2210	IMPERIAL BIBLE EF NAT PUB	710	720	12	206780	101.40
				720	12	206780	101.40
	2231	ALLIED SPECIAL BIBLE	740	740	2	41070	100.00
				740	2	41070	100.00
	2500	SOLITUDE OPAQUE	670	730	2	20640	108.95
			670	760	3	29180	113.43
				748	5	49820	111.57
	2501	SOLITUDE OPAQUE	710	760	1	4080	107.04
				760	1	4080	107.04
	2503	SOLITUDE OPAQUE	750	750	1	9660	100.00
			750	780	10	242100	104.00
				779	11	251760	103.85
	2513	IBM SUPERIOR OFFSET	680	700	4	55800	102.94
				700	4	55800	102.94
	2535	MANUAL OFFSET	680	700	2	43860	102.94
				700	2	43860	102.94
	2540	A P LIGHT WEIGHT	670	695	1	7280	103.73
			670	720	1	8890	107.46

SD 865744

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			620	780	1	2340	125.80
				647	8	157600	104.36
	7105	K WHITE OFFSET	480	530	2	40360	110.41
			480	780	1	14680	162.50
				597	3	55040	124.30
	7122	BW K OFFSET - ANTIQUE	700	720	1	1940	102.85
			700	740	1	2460	105.71
				731	2	4400	104.45
	7200	RAVENSWOOD OPAQUE	740	780	6	202310	105.40
				780	6	202310	105.40
	7201	RAVENSWOOD OPAQUE	720	770	2	44280	106.94
				770	2	44280	106.94
	9001	DUPONT PAPER (BLUE)	600	620	11	268040	103.33
			600	630	1	32010	105.00
				621	12	300050	103.51
	9010	BLUE GREEN DUPONT PAPER	600	620	2	26440	103.33
			600	630	4	121900	105.00
				628	6	148340	104.70
				730	141	3650900	105.64

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	1208	A.M. PRIDE	700	740	2	50440	105.71
			700	750	3	121120	107.14
				747	5	171560	106.72
	1210	GENERIC OFFSET	620	650	1	20490	104.83
			620	750	1	18990	120.96
				698	2	39480	112.59
	1528	AW J OFFSET	700	740	3	65920	105.71
				740	3	65920	105.71
	2535	MANUAL OFFSET	740	770	5	81850	104.05
			740	780	11	381830	105.40
			740	790	3	58320	106.75
				780	19	522000	105.34
	2962	GPO LOT 21	620	620	1	5620	100.00
			620	630	2	63010	101.61
			620	650	2	60560	104.83
			620	720	1	1330	116.12
				640	6	130520	103.18
	3002	SUPERIOR OFFSET	700	750	2	81720	107.14
				750	2	81720	107.14
	5200	TABLET INTERCO	750	780	3	69750	104.00
				780	3	69750	104.00
	7100	K WHITE OFFSET	740	720	1	10260	97.29
			740	780	13	397210	105.40
				778	14	407470	105.20
	7101	K WHITE OFFSET	720	760	3	70450	105.55
			720	770	1	20490	106.94
			720	780	2	47060	108.33
				768	6	138000	106.70
	7102	K WHITE OFFSET	700	720	2	79270	102.85
			700	730	17	417980	104.28
			700	740	3	97270	105.71
			700	750	19	506540	107.14
				739	41	1101060	105.62
	7103	K WHITE OFFSET	670	720	1	11400	107.46
				720	1	11400	107.46
	7104	K WHITE OFFSET	620	620	4	47290	100.00
			620	650	2	42880	104.83
			620	660	1	65090	106.45

SA 055746

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 08,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	2009	ROYAL LITE	620	700	4	32970	112.90
				700	4	32970	112.90
	2018	BRITE LITE THIN	600	700	6	63280	116.66
				700	6	63280	116.66
	2202	IMPERIAL BIBLE	600	610	2	12720	101.66
				610	2	12720	101.66
	2222	NATO TEXT 80 BIBLE	620	700	9	106200	112.90
				700	9	106200	112.90
	2223	NATO TEXT BIBLE 80	620		1	14460	
			620	620	1	14400	100.00
			620	650	1	7180	104.83
			620	700	27	379540	112.90
				672	30	415580	108.39
	2540	A P LIGHT WEIGHT	620		1		
			620	690	1	10220	111.29
			620	700	8	77460	112.90
				699	10	87680	112.71
	6400	CIGARETTE TIPPING - CORK	500	500	5	57700	100.00
			500	515	2	23340	103.00
			500	520	13	125800	104.00
			500	530	1	10260	106.00
			500	550	6	56520	110.00
				522	27	273620	104.39
				638	88	992050	108.74

SH 86747

PROGRAM: 44P,7610 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
5	33.00	1403	PRIDE - PAQUE	3.0	2.2	80.00	6529	8160		8160	124.98
5	35.00	1805	ALLIED PRIDE	30.8	30.8	109.09	82513	87830		87830	106.44
5	20.00	2000	BRITE LITE THIN	45.2	37.6	90.75	70961	56010	1860	54150	76.30
5	25.00	2200	IMPERIAL BIBLE	10.3	10.3	109.09	24485	23000		23000	94.00
5	30.00	2240	LAWYERS WHITE OFFSET	108.1	98.0	98.90	287190	283590		283590	98.74
5	22.00	2401	SHAKESPEARE THIN	67.6	62.8	101.51	114096	122810		122810	107.64
5	28.00	2404	SHAKESPEARE THIN	1.2	.8	72.73	1869	2510		2510	134.29
5	25.00	2501	SOLITUDE OPAQUE	7.8	6.5	90.91	14469	15700		15700	108.50
5	40.00	2535	MANUAL OFFSET	28.8	26.3	99.62	83948	75990		75990	90.52
5	20.00	2540	A P LIGHT WEIGHT	147.5	137.2	101.47	262888	268880	5630	263250	100.13
5	22.00	2542	A P LIGHT WEIGHT						5400	5400	
5	30.00	3830	WHITE HOOKLITE	7.7	6.9	97.76	19804	20500		20500	103.51
5	21.50	6400	CIGARETTE TIPPING -	213.8	196.3	100.16	289882	279360	7130	272230	93.91
5	40.00	7100	K WHITE OFFSET	14.0	14.0	109.09	42560	41400		41400	97.27
	25.98		MACH TOTAL 1.09091	685.8	629.8	100.18	1301158	1285740	20020	1265720	97.27
6	43.00	2243	LAWYERS OFFSET	18.9	15.7	90.62	100166	111000		111000	110.81
6	40.00	2513	IBM SUPERIOR OFFSET	22.9	22.3	106.23	134225	147510		147510	109.89
6	40.00	2535	MANUAL OFFSET	150.1	134.9	98.04	793329	841490		841490	106.07
6	50.00	2536	I B M MANUAL	1.5	1.3	94.55	8990	9560		9560	106.34
6	35.00	2545	A.P. LIGHTWEIGHT	8.6	7.8	98.84	40484	43850		43850	108.52
6	40.00	3000	SUPERIOR OFFSET	33.0	31.2	103.14	182581	201670		201670	110.12
6	45.00	3001	SUPERIOR OFFSET	3.4	3.2	102.67	20136	24080		24080	119.58
6	60.00	3004	SUPERIOR OFFSET	13.8	12.2	96.44	89497	96480	6380	90100	100.67
6	81.50	5181	GREENTINT LEDGER ANT	9.7	8.9	100.09	66847	63520		63520	95.02
6	39.50	5200	TABLET INTERCO	68.2	67.1	107.33	355512	406940		406940	114.46
6	40.00	7100	K WHITE OFFSET	45.6	41.9	100.24	250037	273430	6750	266680	106.65
6	45.00	7101	K WHITE OFFSET	13.4	12.9	105.02	83081	94150		94150	113.32
6	50.00	7102	K WHITE OFFSET	169.2	158.2	102.00	1102380	1231250	5160	1226090	111.22
6	60.00	7104	K WHITE OFFSET	20.3	19.1	102.64	138947	156100		156100	112.34
6	70.00	7105	K WHITE OFFSET	12.9	11.1	93.87	73706	85600		85600	116.13
6	80.00	7107	K WHITE OFFSET	2.9	2.6	97.81	19547	20340		20340	104.05
6	99.99	7109	BW K OFFSET	14.9	11.6	84.93	85050	92050	9920	82130	96.56
6	40.00	7200	RAVENSWOOD OPAQUE	73.2	68.1	101.49	398516	460810	21400	439410	110.26
6	50.00	7202	RAVENSWOOD OPAQUE	8.0	7.7	105.00	81251	58510		58510	114.16
	46.81		MACH TOTAL 1.09091	690.5	637.8	100.77	3994202	4417740	49610	4368130	109.36
7	30.00	1100	E. B. NEW SHADE	270.1	227.5	91.89	988344	944300	57590	886710	88.81
7	48.00	1528	BW J OFFSET	11.5	10.8	102.45	56589	55810		55810	98.62
7	24.00	2002	BRITE LITE THIN	8.0	7.3	99.55	21024	23960	1230	22730	108.11
7	26.00	2004	BRITE LITE THIN	3.2	2.8	95.45	8808	9780		9780	111.03
7	35.00	2104	BRITISH OPAQUE								
7	30.00	2202	IMPERIAL BIBLE	30.9	25.1	88.61	100569	81700	7780	73920	73.50
7	24.00	2210	IMPERIAL BIBLE EF NA	164.4	143.7	95.36	440797	424480	17830	406650	92.58
7	35.00	2231	ALLIED SPECIAL BIBLE	110.3	103.6	102.46	470170	485880	12180	473700	100.78
7	20.00	2420	SPEC. SHAKESPEARE TH						6620	6620	
7	35.00	2504	SOLITUDE OPAQUE	3.2	3.2	109.09	14185	15400		15400	108.56
7	30.00	2543	A.P. LIGHTWEIGHT	35.1	28.1	87.33	114375	104100	7880	96220	84.12

PROGRAM: N4PS7610 S C M A L L I E D P A P E R I N C. PAGE 2
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
7	35.00	2545	A.P. LIGHTWEIGHT	3.0	1.7	61.82	8586	6560	1640	4920	57.30
7	30.00	3830	WHITE BOOKLITE	12.6	4.9	42.42	19476	19800		19800	101.66
7	40.00	7100	K WHITE OFFSET	37.3	35.5	102.83	178876	206770	2920	203850	114.18
7	50.00	7102	K WHITE OFFSET	2.0	1.2	80.45	8878	8160		8160	138.89
	31.27		MACH TOTAL 1.09091	691.6	595.4	93.92	2437374	2387620	115870	2272850	93.23
8	60.00	1210	GENERIC OFFSET	14.8	14.8	109.09	78650	88110	5290	82820	105.30
8	40.00	1503	J OFFSET	6.0	5.8	105.45	27315	27200		27200	99.57
8	48.00	1528	BW J OFFSET	3.9	3.4	95.10	17961	19340		19340	107.67
8	40.00	2513	IBM SUPERIOR OFFSET	17.6	12.3	76.24	54815	54520		54520	99.46
8	40.00	2535	MANUAL OFFSET	70.9	68.8	96.62	267886	271160		271160	101.29
8	38.00	2543	A.P. LIGHTWEIGHT	110.2	105.8	101.96	314059	346080	1250	344600	109.78
8	35.00	2548	A.P. LIGHTWEIGHT	15.5	13.3	107.68	67913	67230	3960	63270	109.28
8	33.00	2552	A.P. LIGHTWEIGHT VEL	59.3	55.3	101.55	200814	199310	2800	196510	97.86
8	60.00	2804	PAPER BACK	11.8	11.0	101.70	58850	75900		75900	128.97
8	50.00	2902	DICKENS OFFSET	5.5	5.4	107.11	27756	22200		22200	79.98
8	45.00	3001	SUPERIOR OFFSET	.4	.4	109.09	1818	2490		2490	136.96
8	50.00	3002	SUPERIOR OFFSET	5.5	4.3	85.29	21217	15600		15600	73.52
8	35.00	3835	WHITE HOOK LITE	21.5	20.9	101.48	75680	62100	4080	58020	76.74
8	71.00	5180	WHITE LEDGER PAPER	9.5	7.7	88.42	43981	45680		45680	103.86
8	45.00	7101	K WHITE OFFSET	21.9	18.4	91.66	88294	93150	7800	85350	96.64
8	50.00	7102	K WHITE OFFSET	162.6	145.8	101.61	970209	913880	22240	891640	92.55
8	55.00	7103	K WHITE OFFSET	19.6	19.5	100.53	99284	101180		101180	101.90
8	60.00	7104	K WHITE OFFSET	38.6	36.1	102.03	194465	198660	3420	195240	100.39
8	70.00	7105	K WHITE OFFSET	4.5	4.3	104.24	22304	19980		19980	89.58
8	80.00	7107	K WHITE OFFSET								
8	65.00	7110	K OFFSET ANT.	4.8	4.0	90.91	23385	19720		19720	84.32
8	50.00	7122	BW K OFFSET - ANTIQU	.7	.5	77.92	2672	3660		3660	136.97
8	60.00	7124	BW K OFFSET - ANTIQU	9.5	8.5	97.61	49780	55290	7200	48090	96.64
8	45.00	7201	RAVENSWOOD OPAQUE	11.3	10.8	101.37	47744	50480		50480	105.73
8	50.00	7202	RAVENSWOOD OPAQUE	25.0	8.1	35.35	44129	42990	3240	39750	90.07
8	60.00	7204	RAVENSWOOD OPAQUE	9.0	8.7	105.45	45880	49410		49410	107.69
	46.59		MACH TOTAL 1.09091	689.0	618.7	97.96	2836551	2849640 1425	61280	2788360	98.30
9	38.00	203	LAUREL TEXT - RS	19.3	16.5	93.26	67779	58930		58930	86.94
9	48.00	253	HWT - NON BLEED R.S.	7.7	6.9	97.76	30436	30700		30700	100.86
9	69.00	273	TYPE IV E DT BLADE B	14.2	11.6	80.12	86245	67760		67760	120.47
9	55.00	274	TYPE 904-B R.S.	180.7	167.2	100.94	861883	761660		761660	88.40
9	60.00	276	TYPE IV E DT BLADE B	130.2	117.7	98.62	586816	603750		603750	102.88
9	30.00	289	CAMELIA MATTE BASE P	10.6	8.3	85.42	28006	25120		25120	89.69
9	48.00	1528	BW J OFFSET	40.5	36.5	98.32	176771	178660	3960	174700	98.82
9	33.00	1803	PRIDE OPAQUE	9.9	7.0	77.14	24548	24020		24020	97.84
9	40.00	1810	BW PRIDE OPAQUE	17.9	11.6	70.79	47988	58620		58620	122.15
9	40.00	1900	TENNYSON OFFSET	10.5	8.0	83.12	27987	35340		35340	126.36
9	24.00	2124	EXTRA WHITE BRITISH	15.7	13.9	96.58	32474	32350		32350	99.61
9	40.00	2535	MANUAL OFFSET	28.9	25.0	94.37	103422	98460	1260	97200	94.05
9	35.00	3535	RAMKOTE II (SCHOOLCO	75.7	65.1	93.82	223418	256140	6560	249580	111.70
9	40.00	7100	K WHITE OFFSET	14.2	14.1	108.32	59389	57880	3490	54390	91.58

PROGRAM: N4PS7610 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
PRODUCTION EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	BASIS WGHT	GRADE CODE	GRADE NAME	RUN TIME AVAIL	RUN TIME ACT	RUN TIME EFFIC	PRODUCTION STD	PRODUCTION WINDER	PRODUCTION OFF-Q	PRODUCTION ACT	PRODUCTION EFFIC
4	45.00	7101	K WHITE OFFSET	20.7	15.8	83.27	71991	72050	1100	70950	98.55
9	50.00	7102	K WHITE OFFSET	43.0	38.8	98.44	177518	191670		191670	107.97
9	60.00	7104	K WHITE OFFSET	21.3	19.3	98.85	92675	78500		78500	84.70
9	45.00	7201	RAVENSWOOD OPAQUE	3.0	2.7	98.18	12651	11920	1490	10430	82.44
9	50.00	7202	RAVENSWOOD OPAQUE	10.7	10.4	106.03	49335	36870	4020	32850	65.97
	50.85		MACH TOTAL 1.09091	474.7	396.4	96.43	2731032	2601100	21080	2580220	97.37
			MILL TOTAL	3431.6	3078.1	97.85	13300317	13621850	267860	13353980	100.40
17	40.00	801	LAUREL TEXT								
17	50.00	803	LAUREL TEXT	9.4	7.9	92.74	67132	74250		74250	110.60
17	55.00	853	H W MASTER - NON BLE	6.3	5.0	87.58	36330	28980		28980	79.76
17	74.00	870	MASTERBASE TYPE V LT	11.7	8.9	83.94	34265	20120		20120	58.71
17	92.00	873	MASTERBASE TYPE IV D	17.2	16.7	107.14	70118	76790		76790	109.51
17	78.00	874	TYPE 904-A	262.7	232.2	97.53	828938	745060	3960	741100	89.40
17	87.50	876	MASTERBASE TYPE IV D	109.6	102.2	102.89	411397	413170	3740	409430	99.52
17	40.00	880	CAMELIA MATTE BASE P	8.3	4.1	54.51	28959	24550	1630	22920	79.14
	78.90		MACH TOTAL 1.10345	425.2	377.0	97.84	1477139	1382920	9330	1373590	92.98

Acct. PRODUCTION JULY 82

J4PS03A4

J2311F

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****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
****F  START  JOB 2311  J4PS03A4  KAL          ROOM     8.49.57 AM 04 AUG 82  R8.PR1   SYS P03
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SA 0657751

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 1
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1403	PRIDE OPAQUE	600	610	1	8160	101.66
				610	1	8160	101.66
	1805	ALLIED PRIDE	570	580	4	87830	101.78
				580	4	87830	101.78
	2000	BRITE LITE THIN	620	700	10	56010	112.90
				700	10	56010	112.90
	2200	IMPERIAL BIBLE	600	650	2	23000	108.33
				650	2	23000	108.33
	2240	LAWYERS WHITE OFFSET	600	600	11	184170	100.00
			600	620	5	91240	103.33
			600	630	2	8180	105.00
				607	18	283590	101.22
	2401	SHAKESPEARE THIN	620	700	10	122810	112.90
				700	10	122810	112.90
	2404	SHAKESPEARE THIN	600	650	1	2510	108.33
				650	1	2510	108.33
	2501	SOLITUDE OPAQUE	600	600	1	12500	100.00
			600	620	1	3200	103.33
				604	2	15700	100.68
	2535	MANUAL OFFSET	540	500	2	22950	92.59
			540	520	1	4590	96.29
			540	540	4	48450	100.00
				527	7	75990	97.54
	2540	A P LIGHT WEIGHT	620	620	1	13270	100.00
			620	700	23	255610	112.90
				696	24	268880	112.26
	3630	WHITE BOOKLITE	600	580	1	19000	96.66
			600	610	1	1500	101.66
				582	2	20500	97.03
	6400	CIGARETTE TIPPING - COR*	500	500	2	19510	100.00
			500	530	27	259850	106.00
				528	29	279360	105.58
	7100	K WHITE OFFSET	540	540	3	41400	100.00
				540	3	41400	100.00
				613	113	1285740	105.95

SD 86752

PROGRAM: M4PS7210 S C M A L L I E D P A P E R I N C. PAGE 2
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	2243	LAWYERS OFFSET	725	780	4	111000	107.58
				780	4	111000	107.58
	2513	IBM SUPERIOR OFFSET	740	780	5	147510	105.40
				780	5	147510	105.40
	2535	MANUAL OFFSET	740	780	26	752400	105.40
			740	790	2	89090	106.75
				781	28	841490	105.54
	2536	I B M MANUAL	700	740	1	9560	105.71
				740	1	9560	105.71
	2545	A.P. LIGHTWEIGHT	750	780	2	43850	104.00
				780	2	43850	104.00
	3000	SUPERIOR OFFSET	740	780	1	53280	105.40
			740	790	4	147790	106.75
				787	5	201070	106.39
	3001	SUPERIOR OFFSET	720	780	1	10490	108.33
			720	790	1	5590	109.72
				782	2	24080	108.65
	3004	SUPERIOR OFFSET	620	650	4	77760	104.83
			620	680	1	18720	109.67
				656	5	96480	105.77
	5101	GREENTINT LEDGER ANTIQUE	450	420	1	24240	93.33
			450	450	1	39280	100.00
				439	2	63520	97.45
	5200	TABLET INTERCO	750	790	10	406940	105.33
				790	10	406940	105.33
	7100	K WHITE OFFSET	740	780	9	273430	105.40
				780	9	273430	105.40
	7101	K WHITE OFFSET	720	770	5	94150	106.94
				770	5	94150	106.94
	7102	K WHITE OFFSET	700		1		
			700	720	2	53920	102.85
			700	730	2	57470	104.28
			700	740	24	736110	105.71
			700	750	12	383750	107.14
				742	41	1231250	106.96
	7104	K WHITE OFFSET	620	630	2	23960	101.61

SA 05525

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			620	650	2	99440	104.83
			620	660	1	32700	106.45
				649	5	156100	104.68
	7105	K WHITE OFFSET	480	580	4	85600	120.83
				580	4	85600	120.83
	7107	K WHITE OFFSET	450	500	2	20340	111.11
				500	2	20340	111.11
	7109	64 K OFFSET	400	410	2	84010	102.50
			400	420	1	8040	105.00
				411	3	92050	102.72
	7200	RAVENSWOOD OPAQUE	740	780	12	402290	105.40
			740	790	2	58520	106.75
				781	14	460810	105.57
	7202	RAVENSWOOD OPAQUE	700	750	2	58510	107.14
				750	2	58510	107.14
				745	149	4417740	105.89

SD 355754

PROGRAM: MAPS7210 , C M A L L I E D P A P E R I N C. PAGE 4
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1100	E. B. NEW SHADE	750	750	3	76360	100.00
			750	760	5	155330	101.33
			750	770	7	177670	102.66
			750	780	21	534940	104.00
				772	36	944300	102.99
	1528	BW J OFFSET	630	650	2	55810	103.17
				650	2	55810	103.17
	2002	BRITE LITE THIN	710	770	2	23960	108.45
				770	2	23960	108.45
	2004	BRITE LITE THIN	710	770	1	9780	108.45
				770	1	9780	108.45
	2202	IMPERIAL BIBLE	750	770	4	47660	102.66
			750	790	2	34040	105.33
				778	6	81700	103.77
	2210	IMPERIAL BIBLE EF NAT PUB	710		1		
			710	720	11	174990	101.40
			710	750	6	66340	105.63
			710	770	7	119200	108.45
			710	780	4	64870	109.85
				748	29	425400	105.32
	2231	ALLIED SPECIAL BIBLE	740	740	5	184770	100.00
			740	750	7	196090	101.35
			740	760	3	105020	102.70
				748	15	485880	101.13
	2504	SOLITUDE OPAQUE	740	750	2	15400	101.35
				750	2	15400	101.35
	2543	A.P. LIGHTWEIGHT	750	750	3	83720	100.00
			750	770	2	20380	102.66
				754	5	104100	100.52
	2545	A.P. LIGHTWEIGHT	740	750	1	6560	101.35
				750	1	6560	101.35
	3830	WHITE BOOKLITE	750		1		
			750	750	1	4800	100.00
			750	780	2	15000	104.00
				773	4	19800	103.03
	7100	K WHITE OFFSET	680	720	1	20840	105.88
			680	740	6	185930	108.82
				738	7	206770	108.52

SA 065755

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7102	K	WHITE OFFSET	560	670	1	8160	115.51
				670	1	8160	115.51
				756	111	2387620	103.53

SA 865756

PROGRAM: M4PS7210 S C M A L L I E D P A P E R I N C. PAGE 6
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
4	1210	GENERIC OFFSET	590	620	1	3920	105.08
			590	650	4	84190	110.16
				649	5	88110	109.93
	1503	J OFFSET	720	780	2	27200	108.33
				780	2	27200	108.33
	1528	HW J OFFSET	730	750	2	19340	102.73
				750	2	19340	102.73
	2513	[illegible] SUPERIOR OFFSET	720	750	1	21680	104.16
			720	780	3	32840	108.33
				768	4	54520	106.67
	2535	MANUAL OFFSET	720	740	4	52860	102.77
			720	750	2	22750	104.16
			720	780	7	195550	108.33
				770	13	271160	106.90
	2543	A.P. LIGHTWEIGHT	730	780	15	346050	106.84
				780	15	346050	106.84
	2545	A.P. LIGHTWEIGHT	730	780	2	52230	106.84
			730	790	1	15000	108.21
				782	3	67230	107.15
	2552	A.P. LIGHTWEIGHT VELLUM	730	780	9	199310	106.84
				780	9	199310	106.84
	2804	PAPER BACK	590	660	2	75900	111.86
				660	2	75900	111.86
	2902	DICKENS OFFSET	730	730	2	22200	100.00
				730	2	22200	100.00
	3001	SUPERIOR OFFSET	730	780	1	2490	106.84
				780	1	2490	106.84
	3002	SUPERIOR OFFSET	730	750	2	15600	102.73
				750	2	15600	102.73
	3635	WHITE BOOK LITE	730	730	1	19080	100.00
			730	780	3	43020	106.84
				765	4	62100	104.74
	5180	WHITE LEDGER PAPER	480	500	2	45680	104.16
				500	2	45680	104.16
	7101	K WHITE OFFSET	730	750	3	68840	102.73

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

M	MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
				730	780	2	24290	106.84
					758	5	93130	103.80
		7102	K WHITE OFFSET	730	650	1	500	89.04
				730	680	2	51410	93.15
				730	700	10	145360	95.89
				730	710	7	151390	97.26
				730	720	12	226180	98.63
				730	730	7	115180	100.00
				730	740	2	11890	101.36
				730	750	13	216310	102.73
					721	54	918250	98.83
		7103	K WHITE OFFSET	650	650	3	62320	100.00
				650	700	5	38460	107.69
					669	8	101180	102.95
		7104	K WHITE OFFSET	590	600	6	76040	101.69
				590	620	3	16170	105.08
				590	630	4	34790	106.77
				590	640	3	45800	108.47
				590	650	1	12270	110.16
				590	660	2	19540	111.86
				590	780	1	3000	132.20
					625	20	198660	105.94
		7105	K WHITE OFFSET	500	550	1	18730	110.00
				500	580	1	1250	116.00
					552	2	19980	110.38
U		7110	K OFFSET ANT.	550	600	1	19720	109.09
					600	1	19720	109.09
		7122	BW K OFFSET - ANTIQUE	730	760	1	3660	104.10
					760	1	3660	104.10
		7124	BW K OFFSET - ANTIQUE	590		1		
				590	600	1	7950	101.69
				590	640	1	26500	108.47
				590	650	1	6000	110.16
				590	660	1	14840	111.86
					641	5	55290	108.59
		7201	RAVENSWOOD OPAQUE	730	750	2	50480	102.73
					750	2	50480	102.73
		7202	RAVENSWOOD OPAQUE	730		2		
				730	720	1	3240	98.63
				730	740	1	7650	101.36

SR 85758

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			730	750	3	32100	102.73
				746	7	42990	102.18
M	7204	RAVENSWOOD OPAQUE	590	650	4	49410	110.16
				650	4	49410	110.16
				723	175	2849640	104.01

M

M

SH 865759

PROGRAM: N4PS7210 S C M A L L I E D P A P E R I N C. PAGE 9
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07.1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
4	203	LAUREL TEXT - RS	720	740	5	58930	102.77
			720	760	1		105.55
				740	6	68930	102.77
	253	HWT - NON BLEED R.S.	600	630	2	30700	105.00
				630	2	30700	105.00
	273	TYPE IV E DT BLADE BASE	430	520	3	67760	120.93
				520	3	67760	120.93
	274	TYPE 904-4 R.S.	560		1		
			580	540	7	177160	93.10
			580	550	15	435650	94.82
			580	560	1	4950	96.55
			580	570	4	143900	98.27
				552	28	761660	95.08
	276	TYPE IV E DT BLADE BASE	500	540	1	6210	108.00
			500	550	21	561280	110.00
			500	560	1	36260	112.00
				550	23	603750	110.10
	280	CAMELIA MATTE BASE PLATE	720	740	1	4000	102.77
			720	800	2	21120	111.11
				790	3	25120	109.78
	1528	BW J OFFSET	660	700	6	131890	106.06
			660	730	4	46770	110.60
				708	10	178660	107.25
	1803	PRIDE OPAQUE	720	780	2	24020	108.33
				780	2	24020	108.33
	1819	9# PRIDE OPAQUE	700		1		
			700	750	1	16890	107.14
			700	760	2	41730	108.57
				757	4	58620	108.16
	1900	TENNYSON OFFSET	540		1		
			540	740	2	35340	137.03
				740	3	35340	137.03
	2124	EXTRA WHITE BRITISH OPAQUE	700	730	3	32350	104.28
				730	3	32350	104.28
	2535	MANUAL OFFSET	700	750	7	99460	107.14
				750	7	99460	107.14
	3535	RAMPOTE II (SCHOOLCOTE)	670	750	1	19070	111.94

SA 865760

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			670	780	2	52120	116.41
			670	800	7	184950	119.40
				792	10	256140	118.24
	7100	K WHITE OFFSET	700	740	5	57880	105.71
				740	5	57880	105.71
	7101	K WHITE OFFSET	670	700	3	45880	104.47
			670	740	2	26170	110.44
				715	5	72050	106.64
	7102	K WHITE OFFSET	630	690	1	16320	109.52
			630	700	8	124040	111.11
			630	725	1	30610	115.07
			630	730	2	20708	115.87
				706	12	191670	112.12
	7104	K WHITE OFFSET	550	550	1	20970	100.00
			550	580	1	20590	105.45
			550	600	2	20650	109.09
			550	620	2	16290	112.72
				586	6	78500	106.46
	7201	RAVENSWOOD OPAQUE	670	730	1	7450	108.95
			670	750	1	4470	111.94
				738	2	11920	110.07
	7202	RAVENSWOOD OPAQUE	630	700	5	36570	111.11
				700	5	36570	111.11
				633	139	2681100	106.45

SH 0055761

MACH SPEED EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD SPEED	ACTUAL SPEED	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	803	LAUREL TEXT	1300		3	74250	
					3	74250	
	853	H W MASTER - NON BLEED II	1000		2	28980	
					2	28980	
	870	MASTERBASE TYPE V LTLW-S	375		4	20120	
					4	20120	
	873	MASTERBASE TYPE IV DTHW	320		4	76790	
					4	76790	
	874	TYPE 904-B	325		46	745060	
					46	745060	
	875	MASTERBASE TYPE IV DT	320		16	413170	
					16	413170	
	880	CAMELIA MATTE BASE PLATE	1300		2	24550	
					2	24550	
					77	1382920	

SA 065762

PROGRAM: S4P57410 S C H A L L E O P A P E R I N C. PAGE 1
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
5	1203	PRIDE OPAQUE	105	106	1	8160	100.95
				106	1	8160	100.95
	1805	ALLIED PRIDE	105	95	4	87830	90.47
				95	4	87830	90.47
	2000	WRITE LITE THIN	110	113	4	21000	102.72
			110	106	4	31990	96.36
			110	101	2	3020	91.81
				108	10	56010	98.50
	2200	IMPERIAL BIBLE	110	112	2	23000	101.81
				112	2	23000	101.81
	2240	LAWYERS WHITE OFFSET	110	118	13	215640	107.27
			110	108	5	67950	98.18
				116	18	283590	105.09
	2401	SHAKESPEARE THIN	110	96	3	30030	87.27
			110	94	7	92780	85.45
				94	10	122810	85.90
	2404	SHAKESPEARE THIN	102	99	1	2510	97.05
				99	1	2510	97.05
	2501	SOLITUDE OPAQUE	105	105	2	15700	100.00
				105	2	15700	100.00
	2535	MANUAL OFFSET	110	105	7	75990	95.45
				105	7	75990	95.45
	2540	A P LIGHT WEIGHT	110	115	1	4250	104.54
			110	114	11	136670	103.63
			110	112	7	93000	101.81
			110	108	1	3800	98.18
			110	92	4	31160	83.63
				111	24	268880	100.62
	3630	WHITE BOOKLITE	102	113	2	20500	110.78
				113	2	20500	110.78
	5400	CIGARETTE TIPPING - CORK	114	100	2	14720	87.71
			114	97	27	264640	85.08
				97	29	279360	85.22
	7100	K WHITE OFFSET	110	100	3	41400	90.90
				100	3	41400	90.90
				105	113	1285740	95.62

SA 065763

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 3
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
6	2243	LAWYERS OFFSET	142	145	4	111000	102.11
				145	4	111000	102.11
	2513	IBM SUPERIOR OFFSET	140	144	5	147510	102.85
				144	5	147510	102.85
	2535	MANUAL OFFSET	140	142	7	292330	101.42
			140	140	21	549160	100.00
				141	28	841490	100.49
	2536	I B M MANUAL	142	140	1	9560	98.59
				140	1	9560	98.59
	2545	A.B. LIGHTWEIGHT	140	140	2	43850	100.00
				140	2	43850	100.00
	3000	SUPERIOR OFFSET	142	140	5	201070	98.59
				140	5	201070	98.59
	3001	SUPERIOR OFFSET	142	138	2	24080	97.18
				138	2	24080	97.18
	3004	SUPERIOR OFFSET	142	140	5	96480	98.59
				140	5	96480	98.59
	5191	GREENTINT LEDGER ANTIQUE	148	145	2	63520	97.97
				145	2	63520	97.97
	5200	TABLET INTERCO	142	133	3	92580	93.66
			142	125	7	314360	88.02
				127	10	406940	89.30
	7100	K WHITE OFFSET	142	146	4	124720	102.81
			142	140	5	148710	98.59
				143	9	273430	100.51
	7101	K WHITE OFFSET	142	148	1	26240	104.22
			142	140	3	63350	98.59
			142	128	1	4560	90.14
				142	5	94150	99.75
	7102	K WHITE OFFSET	142	146	7	293540	102.81
			142	144	4	101960	101.40
			142	140	23	675600	98.59
			142	136	2	37320	95.77
			142	135	3	83960	95.07
			142	134	1	33900	94.36
			142	131	1	4950	92.25
				141	41	1231250	99.36

SA 065764

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 4
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
	7104	F WHITE OFFSET	142	139	3	132140	97.88
			142	138	2	23960	97.13
				139	5	156100	97.77
	7105	K WHITE OFFSET	146	141	2	41160	96.57
			146	140	1	26680	95.89
			146	138	1	17760	94.52
				140	4	85600	95.93
	7107	F WHITE OFFSET	142	148	2	20340	104.22
				148	2	20340	104.22
	7109	HW K OFFSET	148	130	3	92050	87.83
				130	3	92050	87.83
	7200	RAVENSWOOD OPAQUE	140	140	14	460810	100.00
				140	14	460810	100.00
	7202	RAVENSWOOD OPAQUE	140	135	1	53540	96.42
			140	130	1	4970	92.85
				135	2	58510	96.12
				139	149	4417740	98.52

SA 065765

PROGRAM: M4PS7410 S C M A L L I E D P A P E R I N C. PAGE 5
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07.1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
7	1100	E. B. NEW SHADE	138	138	36	944300	100.00
				138	36	944300	100.00
	1528	BW J OFFSET	132	123	2	55810	93.18
				123	2	55810	93.18
	2002	WHITE LITE THIN	132	120	2	23960	90.90
				120	2	23960	90.90
	2004	WHITE LITE THIN	132	121	1	9780	91.66
				121	1	9780	91.66
	2202	IMPERIAL BIBLE	134	126	6	81700	94.02
				126	6	81700	94.02
	2210	IMPERIAL BIBLE EF NAT PUB	128	128	28	420930	100.00
			128	109	1	4470	85.15
				128	29	425400	99.84
	2231	ALLIED SPECIAL BIBLE	136	124	15	485880	91.17
				124	15	485880	91.17
	2504	SOLITUDE OPAQUE	134	129	1	11480	96.26
			134	108	1	4000	80.59
				124	2	15400	92.19
	2543	A.P. LIGHTWEIGHT	136	128	5	104100	92.75
				128	5	104100	92.75
	2545	A.P. LIGHTWEIGHT	134	138	1	6560	102.98
				138	1	6560	102.98
	3330	WHITE MOOR LITE	134	125	4	19800	93.28
				125	4	19800	93.28
	7100	K WHITE OFFSET	136	131	7	206770	96.32
				131	7	206770	96.32
	7102	K WHITE OFFSET	136	120	1	8160	88.23
				120	1	8160	88.23
				131	111	2387620	96.91

SA 065766

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
8	1210	GENERIC OFFSET	105	110	3	55950	104.76
			105	100	2	32160	95.23
				106	5	88110	101.28
	1503	J OFFSET	105	116	2	27200	110.47
				116	2	27200	110.47
	1528	HW J OFFSET	105	108	1	11840	102.85
			105	105	1	7500	100.00
				107	2	19340	101.74
	2513	I-M SUPERIOR OFFSET	110	118	2	16600	107.27
			110	107	2	37920	97.27
				110	4	54520	100.31
	2535	MANUAL OFFSET	110	107	9	218300	97.27
			110	105	3	41000	95.45
			110	102	1	11860	92.72
				106	13	271160	96.80
	2543	A.P. LIGHTWEIGHT	112	99	15	346050	88.39
				99	15	346050	88.39
	2545	A.P. LIGHTWEIGHT	110	109	1	15000	99.09
			110	104	2	52230	94.54
				105	3	67230	95.56
	2552	A.P. LIGHTWEIGHT VELLUM	102	107	9	199310	104.90
				107	9	199310	104.90
	2804	PAPER BACK	110	107	2	75900	97.27
				107	2	75900	97.27
	2902	DICKENS OFFSET	110	100	2	22200	90.90
				100	2	22200	90.90
	3001	SUPERIOR OFFSET	110	98	1	2490	89.09
				98	1	2490	89.09
	3002	SUPERIOR OFFSET	110	96	2	15600	87.27
				96	2	15600	87.27
	3835	WHITE BOOK LITE	105	105	4	62100	100.00
				105	4	62100	100.00
	5180	WHITE LEDGER PAPER	142	119	2	45680	83.80
				119	2	45680	83.80
	7101	* WHITE OFFSET	110	109	1	27550	99.09

SR 865767

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			110	104	2	24290	94.54
			110	100	2	41290	90.90
				104	5	93130	94.27
	7102	K WHITE OFFSET	110	118	2	17000	107.27
			110	115	3	44610	104.54
			110	114	1	34950	103.63
			110	113	2	45750	102.72
			110	112	2	11890	101.81
			110	110	3	62940	100.00
			110	108	3	24720	98.18
			110	107	3	14220	97.27
			110	106	1	21240	96.36
			110	105	18	288450	95.45
			110	102	6	133270	92.72
			110	101	7	192820	91.81
			110	96	1	3640	87.27
			110	92	1	13480	83.63
			110	90	1	9270	81.81
				105	54	918250	95.80
	7103	K WHITE OFFSET	110	117	1	3400	106.36
			110	110	1	5650	100.00
			110	105	2	9700	95.45
			110	104	1	13020	94.54
			110	101	1	12740	91.81
			110	98	2	56670	89.09
				101	8	101160	91.93
	7104	K WHITE OFFSET	110	120	2	22100	109.09
			110	110	2	29300	100.00
			110	109	2	15680	99.09
			110	108	1	12400	98.18
			110	105	7	93020	95.45
			110	104	2	10590	94.54
			110	100	2	12240	90.90
			110	95	2	3330	86.36
				107	20	198660	97.61
	71[illegible]	K WHITE OFFSET	110	105	2	19980	95.45
				105	2	19980	95.45
	711[illegible]	K OFFSET CUT.	110	116	1	19720	105.45
				116	1	19720	105.45
	7122	BW K OFFSET - ANTIQUE	110	104	1	3660	94.54
				104	1	3660	94.54
	7124	BW K OFFSET - ANTIQUE	110	118	3	40450	107.27

SA 065768

PROGRAM: MAPS7410 S C H A L L I E D P A P E R I N C. PAGE 8
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			110	114	2	14840	103.63
				117	5	55290	106.29
	7201	RAVENSWOOD OPAQUE	110	96	2	50480	89.09
				98	2	50480	89.09
	7202	RAVENSWOOD OPAQUE	110	114	1	7650	103.63
			110	105	6	35340	95.45
				107	7	42990	96.91
	7204	RAVENSWOOD OPAQUE	110	106	2	25380	96.36
			110	105	2	24030	95.45
				106	4	49410	95.92
				105	175	2849640	96.01

SA 065769

PROGRAM: N4PS7410 S C M A L L I E D P A P E R I N C. PAGE 9
RUN DATE: 08/03/82 DAILY PRODUCTION SYSTEM
MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
9	203	LAUREL TEXT - RS	104	108	2	42620	103.84
			104	104	4	16310	100.00
				107	6	58930	102.78
	253	HWT - NON BLEED R.S.	104	111	1	5380	106.73
			104	108	1	25320	103.84
				109	2	30700	104.35
	273	TYPE IV E OT BLADE BASE	104	116	3	67760	111.53
				116	3	67760	111.53
	274	TYPE 904-B R.S.	110	117	7	211210	106.36
			110	116	10	276340	105.45
			110	113	4	113980	102.72
			110	110	7	160130	100.00
				115	28	761660	104.15
	276	TYPE IV E OT BLADE BASE	124	119	3	77130	95.96
			124	118	20	526620	95.16
				118	23	603750	95.26
	280	CAMELIA MATTE BASE PLATE	104	111	3	25120	106.73
				111	3	25120	106.73
	1028	HW J OFFSET	122	114	3	70090	93.44
			122	108	1	22390	88.52
			122	105	6	86180	86.06
				109	10	178660	89.26
	1803	PRIDE OPAQUE	121	105	2	24020	86.77
				105	2	24020	86.77
	1810	HW PRIDE OPAQUE	110	105	4	58620	95.45
				105	4	58620	95.45
	1900	TENNYSON OFFSET	110	115	3	35340	104.54
				115	3	35340	104.54
	2124	EXTRA WHITE BRITISH OPAQUE	105	99	3	32350	94.28
				99	3	32350	94.28
	2535	MANUAL OFFSET	110	105	7	99460	95.45
				105	7	99460	95.45
	3535	RAMKOTE II (SCHOOLCOTE)	110	104	10	256140	94.54
				104	10	256140	94.54
	7100	K WHITE OFFSET	110	115	2	12750	104.54
			110	111	1	13650	100.90

SR 065720

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
			110	102	2	31480	92.72
				107	5	57680	97.25
	7101	K WHITE OFFSET	110	112	3	45880	101.81
			110	105	1	12520	95.45
			110	93	1	13650	84.54
				107	5	72050	97.43
	7102	K WHITE OFFSET	110	105	4	67630	95.45
			110	103	2	53930	93.63
			110	102	3	29500	92.72
			110	101	2	28700	91.81
			110	99	1	11910	90.00
				103	12	191670	93.63
	7104	K WHITE OFFSET	110	105	3	41620	95.45
			110	101	2	16290	91.81
			110	100	1	20590	90.90
				103	6	78500	93.50
	7201	RAVENSWOOD OPAQUE	110	110	2	11920	100.00
				110	2	11920	100.00
	7202	RAVENSWOOD OPAQUE	110	113	2	13020	102.72
			110	105	3	23550	95.45
				108	5	36570	96.04
				111	139	2681100	98.14

SD 865771

MACH TRIM EFFICIENCY BY GRADE THRU WEEK 4 OF MONTH 07,1982

MACH	GRADE	GRADE NAME	STANDARD TRIM	ACTUAL TRIM	NO OF OCCURRENCE	QUAN LBS	EFFICIENCY
17	863	LAUREL TEXT	102	105	1	51270	102.94
			102	101	2	22980	99.01
				104	3	74250	101.72
	853	H W MASTER - NON BLEED II	102	105	2	28980	102.94
				105	2	28980	102.94
	870	MASTERBASE TYPE V LTLW-S	102	110	4	20120	107.84
				110	4	20120	107.84
	873	MASTERBASE TYPE IV OTHW	102	114	2	46060	111.76
			102	113	1	21590	110.78
			102	111	1	9140	108.82
				113	4	76790	111.13
	874	TYPE 904-F	102	115	1		112.74
			102	114	13	215570	111.76
			102	113	20	338120	110.78
			102	110	3	46330	107.84
			102	107	9	145040	104.90
				112	46	745060	109.74
	875	MASTERBASE TYPE IV DT	102	116	2	28820	113.72
			102	115	13	353620	112.74
			102	105	1	30730	102.94
				114	16	413170	112.08
	880	CAMELIA MATTE BASE PLATE	102	108	2	24550	105.88
				108	2	24550	105.88
				112	77	1382920	109.85

SA 065772

Kalamazoo Gazette
April, 1956

Allied to Close Mill At Otsego

Bardeen Plant Ends Operations May 1.

The Bardeen mill of Allied Paper Mills in Otsego will be closed May 1 as an economy measure, it was announced today by the four-man executive management committee of Allied. The mill in Otsego is a coating operation employing 225 persons.

All employes were to receive letters today from the committee informing them of the closing.

"During recent years it has become more and more apparent that the coating operation in Otsego is fundamentally uneconomical," the letter declared. "This is true in spite of the best efforts of the supervision and the employes of the Bardeen Mill."

TOO HEAVY A BURDEN

"The distance of the Otsego mill from the papermaking operation in Kalamazoo, plus the high power cost of the mill, are too great a burden for the mill to carry."

A company spokesman explained that the Otsego mill is a coating operation only, with paper stock trucked back and forth between the Kalamazoo mills and Otsego.

Most of the coating operation already is performed in the King and Monarch mills in Kalamazoo and that now being done in Otsego will be absorbed at the Kalamazoo mills by adding a sixth day to coating operations here.

Everything possible to help Otsego employes in the transition will be done, the committee informed employes. Wherever possible, employes will be transferred to King and Monarch mills. Notices relative to job openings and the change are to be posted on the company bulletin boards.

[illegible] is general superintendent of the mill in Otsego.

TO MOVE SOME MACHINERY

A small amount of the machinery will be brought to Kalamazoo, but present high-speed machinery in the King and Monarch mills will be able to handle most of the coating work.

Plans for disposition of the plant building are uncertain, but it probably will be put up for sale, the spokesman declared. If not sold, it may be used for storage.

The Bardeen mill is one of the oldest in the valley, being founded in 1887 by George E. Bardeen. It became a division of the Allied Paper Mills when that organization was founded in 1922. Bardeen started his paper career with the Kalamazoo Paper Company and was its secretary at the time he founded the Otsego mill. Noah Bryant and John F. King, also papermaking pioneers here, were associated with him in the Otsego mill.

Allied recently was purchased by the Thor Corp., Chicago, and now is a Thor subsidiary.

Kalamazoo Gazette
July 6, 1956

ALLIED PAPER MILLS WELCOMES THOR CORPORATION OFFICIALS TO KALAMAZOO WITH DINNER
Left to Right: H. C. Bernick, Thor Secretary; H. B. Johnston; Arnold H. Maremont, Thor Chairman; C. F. Chaplin; E. J. Gilman and W. A. Kirkpatrick —Gazette photo

BY LEASING ST. REGIS

Allied 8th In Fine Printing Papers

The Allied Paper Mills Division of the Thor Corporation has become the eighth largest fine printing paper manufacturer in the United States since its recent leasing of the Bryant mill of the St. Regis Paper Company.

Current plans for the near future indicate further expansion of the properties to become an even greater factor in the paper business, it was revealed last night by Arnold H. Maremont, Thor chairman.

WELCOMED AT DINNER

Maremont and H. C. Bernick, secretary of the corporation, were guests of honor last night at a dinner at the Park Club. Welcoming the executives to Kalamazoo were about 40 Kalamazoo leaders in civic, banking, educational and industrial fields, including particularly men who lead the paper industry.

"We have even more ambitious plans for the two paper mills in Kalamazoo," Maremont said. "Paper has become our main business and we are looking toward further acquisitions in this field as well as expanding the properties we have bought and leased in Kalamazoo."

Thor purchased the Allied Paper Mills last December. Only last week, it completed negotiations for leasing the Bryant fine paper mill of the St. Regis Paper Company, with an option to buy the mill later.

With last week's acquisition, Allied now is operating 11 paper machines, most of them large as paper machines go, and 23 coating machines, it was revealed at the dinner.

MAJOR INTERESTS HERE

"We like Kalamazoo very much," the industrialist declared, "and have staked most of the corporation's resources here," Maremont said. He referred to the recent purchases and lease whereby Thor has converted most of its appliance manufacturing facilities to the more stable and growing paper industry.

"We have enjoyed greatly our associations with the Kalamazoo community and particularly those with the very capable Allied management team. They know the paper business and so we are leaving the operation of the paper mills up to those four men."

The management team consists of four Allied vice presidents—W. A. Kirkpatrick, technical director, H. B. Johnston, chief engineer, E. J. Gilman, production manager, and C. F. Chaplin, sales manager.

Kalamazoo Gazette

Littlefield On Allied's Top 'Team'

Comptroller Given Management Post.

George A. Littlefield, comptroller of the Allied Paper Mills Division of the Thor Corp., has been named as the fifth member of Allied's management team, it was announced by the division today.

"We consider Littlefield a very substantial addition to our executive group," other members of the team declared today. "Allied already has benefited greatly from his ability, and we find particularly valuable his experience with the St. Regis Paper Co.

Previously, he had spent six years with the St. Regis Paper Co., of which five were as division comptroller in its Kalamazoo mills. Another year he spent on special projects for top management throughout St. Regis plants in the United States.

Littlefield is a native of Farmington, Maine, and a graduate of Bryant College. He recently purchased a home at 1808 Hazel Ave where he has moved with his wife and two children.

Other members of the management group are: E. J. Gilman, production manager; H. B. Johnston, chief engineer; W. A. Kirkpatrick, technical director, and C. F. Chaplin, sales manager.

Littlefield came with the division March 21 this year from the Pomeroy Co., New York City, where he was secretary and comptroller.

SA 045881

SA00045881

ATURAL RESOURCES
COMMISSION
LARRY DEVUYST
IL EISELE
ES P. HILL
D SILWANI MYERS
JOEY M. SIANO
JORDAN B. TATTER

STATE OF MICHIGAN

JOHN ENGLER, Governor

DEPARTMENT OF NATURAL RESOURCES

Steven T. Mason Building P.O. Box 030 Lansing, MI 48909

ROLAND HARMES Director

February 16, 1993

Mr. Michael Gallenberger
Portage Papers
2030 Portage Street
Kalamazoo, Michigan

Dear Mr. Gallenberger:

Subject: February 5, 1993, Site Inspection for Demolition of Buildings at Portage Paper Company

The purpose of this letter is to follow-up the site inspection conducted by myself and Mr. Mark Ducharme of our Plainwell District Office on February 5, 1993. This site inspection was prompted by a telephone call I received from a citizen concerned about the demolition of several buildings on the Portage Paper Company property adjacent to Alcott Street.

As we discussed during our conversation, the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund site (the site) encompasses all of the former Allied Paper Company property. The Michigan Department of Natural Resources (MDNR) and the U.S. Environmental Protection Agency (EPA) consider all former properties of the Allied Paper Company to be potentially contaminated with PCBs until after the properties have been adequately investigated and determined to be otherwise. The Remedial Investigation to determine the nature and extent of contamination at this site is scheduled to commence in the spring of 1993.

Because the mill property is within the site, any activity that results in changes to the Portage Paper mill property, such as demolition of buildings or the shipping of demolition waste off-site, are of interest to the MDNR. These activities need to be coordinated with the Superfund Section of the MDNR so that they can be evaluated from a Superfund perspective prior to the activities taking place. In order to accomplish this, the MDNR is requesting that the Portage Paper Company work closely with the Allied Paper Company's representative Mr. Jon DeWitt and myself to better communicate and coordinate activities that could potentially effect the Superfund process. By doing so the MDNR hopes to avoid a reoccurrence of situations like this in the future.

The MDNR conducted a site inspection and reviewed the available history of the buildings being demolished. From these activities it has been determined that

the basement of building number three, referred to as the vault structure located at the far west end of the property must be properly tested for PCB contamination prior to any further demolition of this structure. It was agreed during the inspection, that Portage Paper Company will be responsible for the contracting of a consulting firm to develop a work plan to collect and analyze samples from the vault structure to determine if the vault is contaminated. This sampling plan should be submitted to both myself and Mr. Mark Ducharme at the Plainwell District Office for review.

The vault structure is internally subdivided into compartments. The sampling plan must include plans to collect one sample of paper residuals from both the floor and the ceiling of each compartment and analyze it for PCBs using the EPA Method 8080. Also one sample of the grout must be collected and analyzed from the inside south wall of each compartment. This sample should be collected from the lower one-third of the wall.

The MDNR has also concluded from its review that the demolition and proper disposal of the demolition waste may continue for the buildings east of the vault structure and west of the large three story building on Alcott as you described to me during the inspection.

If you have any questions, please contact me.

Sincerely,

Scott Cornelius
Superfund Section
Environmental Response Division
517-373-7367

cc: Ms. Kathy Robb, Hunton & Williams
Mr. Jon DeWitt, Varnum, Riddering, Schmidt & Howlett
Dr. Mark Brown, Blasland & Bouck Engineers
Ms. Kathy Cavanaugh, MDAG
Mr. Mark Ducharme, MDNR
File G1

NATURAL RESOURCES COMMISSION
JERRY C. BARTNIK
LARRY DEVUYST
PAUL EISELE
JAMES P. HILL
DAVID HOLLI
JOEY M. SPANO
JORDAN B. TATTER

STATE OF MICHIGAN

JOHN ENGLER, Governor

DEPARTMENT OF NATURAL RESOURCES

Stevens T. Mason Building, P.O. Box 30028, Lansing, MI 48909

ROLAND HARMES, Director

December 9, 1993

Mr. Mark S. Kieser
Kieser & Associates
1909 Holiday Lane
Kalamazoo, Michigan 49008

Dear Mr. Kieser:

SUBJECT: Building 2 Tile Vault Demolition
Portage Paper Company, Inc., Kalamazoo Michigan

The Michigan Department of Natural Resources (MDNR) has completed a review of the data provided by Kieser & Associates on behalf of the Portage Paper Company on July 16, 1993 and September 2, 1993. This data indicates that the PCB contamination that was present in this tile vault was contained in the historical paper residuals. These paper residuals have now been completely removed from the vault. This was verified by two visual inspections conducted by the MDNR on November 3, 1993 and December 8, 1993.

Based upon these data and inspections, the MDNR approves the demolition in place of the existing Building 2 Tile Vault. Compliance with all Federal, State and local laws and ordinances is the responsibility of the Portage Paper Company.

If you have any questions, please contact me.

Sincerely,

Scott Cornelius
Superfund Section
Environmental Response Division
517-373-7367

cc: Ms. Keeley Taylor, City of Kalamazoo
Mr. Mark Ducharme, MDNR
Mr. Tom Leep, MDNR
Mr. Scott Hanshue, MDNR
file A

DEC 20 1993

PCB - See folder

WOODSON-TENENT Laboratories

ANALYTICAL AND CONSULTING CHEMISTS

345 Adams Ave. P.O. Box 2535
Memphis, Tennessee 38101
Telephone
Area Code 901/525-6333

Official Chemists For:
National Cottonseed Products Association • National Soybean Processors Association

Laboratory Locations:
Clarksdale, Miss. • Des Moines, Iowa • Little Rock, Ark.
Memphis, Tenn. • Wilson, Ark. • Gainesville, Ga.

Referee Chemists:
American Oil Chemists' Society

Allied Paper Corp.
Kalama Zoo, Mich.

11/18/71

Sample of Paper

Marked Gum Wrap Trial, 45# Blue White,
06-0529-Nov.1971

Officially Sampled By

C.C.

PCB ..... 0.78 ppm

Laboratory No. 3100

Respectfully Submitted,
Woodson-Tenent Laboratories

Methods of Association of Official Agricultural Chemists and Official Methods of American Oil Chemists Society Employed in This Analysis.

Ontario Research Foundation

SHERIDAN PARK, ONTARIO, CANADA

(416) 822-4111
279-9771

March 14, 1972.

Crestbrook Pulp & Paper Ltd.,
P.O. Box 1000,
Skookumchuck, B.C.,
Canada.

Attention: Mr. John P. Morgan

Dear Mr. Morgan:

Your letter of February 18, 1972 addressed to Dr. L. Reynolds has been passed on to me.

This report covers the polychlorobiphenyl (PCB) analysis of the pulp sample which you submitted to ORF (received 29/2/72).

Crestbrook Sample #	ORF Lab #	PCB (ppm)
1	G76	<0.1

Dr. Reynolds informs me that the mercury results should be available in the near future.

Our invoice for $35.00 to cover the PCB analysis is enclosed.

Yours truly,

G.H.S. Thomas.
Senior Research Scientist.

GHST:am
Encl.

THIS REPORT RELATES ONLY TO THE PARTICULAR INSTRUMENT, MATERIAL, OR OTHER SUBJECT REFERRED TO IN IT. NO REPRESENTATION IS MADE THAT SIMILAR ARTICLES WILL BE OF LIKE QUALITY. WITHOUT THE PRIOR WRITTEN CONSENT OF THE ONTARIO RESEARCH FOUNDATION, NO PUBLICATION IN WHOLE OR IN PART OF THE TEXT OR SUBSTANCE OF THIS REPORT SHALL BE MADE, NOR SHALL THE NAME OF THE ONTARIO RESEARCH FOUNDATION BE USED IN ANY WAY IN CONNECTION WITH THE SALE, OFFERING OR ADVERTISING OF ANY ARTICLE OR PRODUCT. ANY TESTING, INSPECTION OR INVESTIGATION OF THE INSTRUMENTS, MATERIALS OR OTHER SUBJECTS PERFORMED BY ONTARIO RESEARCH FOUNDATION WILL BE CONDUCTED IN ACCORDANCE WITH THE BEST TECHNICAL STANDARDS BY THE ONTARIO RESEARCH FOUNDATION BUT NEITHER IT NOR ITS EMPLOYEES SHALL BE RESPONSIBLE FOR ANY LOSS OR DAMAGE RESULTING DIRECTLY OR INDIRECTLY FROM ANY DEFAULT, ERROR OR OMISSION.

Ontario Research Foundation

SHERIDAN PARK, ONTARIO, CANADA

TELEPHONE 822-4111
AREA CODE 416

March 23, 1972

RECEIVED
MAR 27 1972

Crestbrook Pulp & Paper Limited
P.O. Box 1000
Skookumchuck, B.C.
Canada

Attention: Mr. John P. Morgan

Dear Mr. Morgan:

This report covers the mercury analysis of the pulp sample which you submitted to ORF for mercury and PCB analysis (ref. your letter of Feb. 18, 1972).

The sample contained <0.01 ppm of total mercury as determined by flameless atomic absorption spectrophotometry.

Our invoice for $32.50 to cover the mercury analysis is enclosed.

The PCB result was reported earlier by Dr. Thomas (letter of March 14,1972).

Yours very truly,

L.H. Reynolds

LMR:J
Enc.

L.H. Reynolds
Senior Research Scientist

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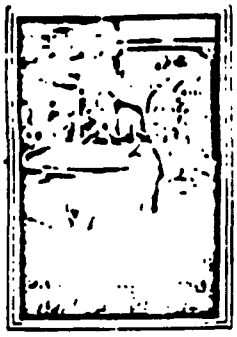
SA 035944

SA00035944



THE INSTITUTE OF PAPER CHEMISTRY
Post Office Box 1048
Appleton, Wisconsin 54911
Phone 414/734 9251

April 9, 1976

Report to

PRINCE ALBERT PULP COMPANY LTD.
Prince Albert, Saskatchewan

(Sample received on March 3, 1976)

POLYCHLORINATED BIPHENYL ANALYSIS

INSTITUTE FILE NO.:	76-71020
CODE NO.:	Prince Albert Pulp Sample

Polychlorinated biphenyl, ppm

Interpreted as Aroclor 1242	Less than 0.1[a]

Note: The above value represents a single determination.

Basis of report: As received.
Method: Gas chromatography using electron-capture detector.

[a] A trace of PCB might be present, but the amount would be too small to report with assurance.

SA 035938

RECEIVED
APR 22 1976
U.G. STOEFFLER

THE KAR LABORATORY
[redacted] 1711 Merrill St.
KALAMAZOO MICHIGAN 49008
Telephone 381-9666

ANALYTICAL REPORT

Date: April 21, 1976

P.O. Number: 15057
4073-K-4-ALL

To: Mr. U. G. Stoeffler
Allied Paper Company
P.O. Box 2528
Kalamazoo, Michigan 49003

Re: Two (2) paper samples submitted on March 30, 1976 for Polychlorinated Biphenyls analysis.

Method: AOAC, 12th Ed., 1975, Art. 29.029ff.

Results:

	Polychlorinated Biphenyls
White Paper	9.3 ppm
Yellow Paper	3.5 ppm

Respectfully submitted,

THE KAR LABORATORY

John N. Karnemaat
Director

JNK:mrc

WOODSON-TENENT Laboratories

ANALYTICAL AND CONSULTING CHEMISTS

345 Adams Ave. P. O. Box 2135
Memphis, Tennessee 38101

Telephone
Area Code 901/525-6333

Official Chemists For:
National Cottonseed Products Association • National Soybean Processors Association

Laboratory Locations:
Clarksdale, Miss. • Des Moines, Iowa • Little Rock, Ark.
Memphis, Tenn. • Wilson, Ark. • Gainesville, Ga.

Referee Chemists:
American Oil Chemists' Society

RECEIVED
MAY 13 1976
U.G. STOEFFLER

Allied Paper, Inc.
Kalamazoo, Mich.

5/11/76

White Tipping

Sample of.....

10-0642

Marked.....

.....

.....

Officially Sampled By.....

C.C......

5-5-(3??

PCB	0.07 ppm
Repeat	0.08 ppm

Laboratory No. 4316

Respectfully Submitted,

Woodson Tenent Laboratories

Methods of Association of Official Agricultural Chemists and Official Methods of American Oil Chemists Society Employed in This Analysis.

SA 044173

WOODSON-TENENT Laboratories
ANALYTICAL AND CONSULTING CHEMISTS
145 Adams Ave P O Box 2135
Memphis Tennessee 38101
Telephone
Area Code 901/525 6333

Official Chemists For
National Cottonseed Products Association • National Soybean Processors Association
Laboratory Locations
Clarksdale Miss • Des Moines Iowa • Little Rock Ark
Memphis, Tenn • Wilson Ark • Gainesville, Ga
Referee Chemists
American Oil Chemists' Society

RECEIVED
MAY 13 1976
U.G. STOEFFLER

Allied Paper, Inc.
Kalamazoo, Mich. 5/11/76

Sample of Cork Tipping

Marked 11-0729

Officially Sampled By

C C

PCB	0.03 ppm

Laboratory No 4318

Respectfully Submitted,
Woodson Tenent Laboratories

Methods of Association of Official Agricultural Chemists and Official Methods of American Oil Chemists Society Employed in This Analysis.

[redacted]

SA 044174

WOODSON-TENENT Laboratories

ANALYTICAL AND CONSULTING CHEMISTS

345 Adams Ave. P. O. Box 2135
Memphis, Tennessee 38101

Telephone
Area Code 901/525-6333

Official Chemists For:
National Cottonseed Products Association • National Soybean Processors Association

Laboratory Locations:
Clarksdale, Miss. • Des Moines, Iowa • Little Rock, Ark.
Memphis, Tenn. • Wilson, Ark. • Gainesville, Ga.

Referee Chemists:
American Oil Chemists' Society

RECEIVED
MAY 13 1976
U.G.STOEFFLER

Allied Paper, Inc.
Kalamazoo, Mich. 5/11/76

Sample of Cork Tipping

Marked 10-0726

Officially Sampled By

C.C.

PCB	0.01 ppm
Repeat	0.09 ppm

Laboratory No. 4317

Respectfully Submitted,
Woodson Tenent Laboratories

Methods of Association of Official Agricultural Chemists and Official Methods of American Oil Chemists Society Employed in This Analysis.

SA 044175

SA00044175

Crestbrook Pulp and Paper Ltd.

P O Box 1000, Skookumchuck,
[redacted] B.C., Canada
(604) 422-3261

May 17th, 1976

RECEIVED
MAY 24 1976
U.G. STOEFFLER

Mr. U. G. Stoeffler
Process Development Manager
Allied Paper Inc.
2030 Portage Street
Kalamazoo, Michigan, U. S. A.
49001

Dear Mr. Stoeffler:

Thank you for the time you spent with Bill Weidenfiller and myself on our mill visit.

As you requested, I am enclosing reports from the Ontario Research Foundation who did PCB and mercury analyses on a sample of our pulp a few years ago. Nothing has changed in our raw material supply so the results should still be valid.

The lower detection limit of the techniques they used were 0.01 ppm on mercury and 0.1 ppm on PCB. Therefore <0.01 and <0.1 ppm mean that they were not able to detect either of these compounds in our pulp.

I trust this is the information that you requested.

Yours very truly,

CRESTBROOK PULP AND PAPER LTD.

T. M. HANER,
Technical Superintendent

TMH/jb

cc: W. Weidenfeller - Gottesman and Company
K. Hall - Crestbrook Pulp and Paper

bcc: H. Horrocks
M. Smith

SCM ALLIED PAPER INCORPORATED
SUBSIDIARY OF SCM CORPORATION

INTER-OFFICE MEMO

TO: J. Curtis

FROM: U. G. Stoeffler

OFFICE:

OFFICE:

SUBJECT: ✓ PCB CONTENT OF ALLIED PAPERS

DATE: July 9, 1973

Some time ago, you requested that we determine the PCB level in our White and Cork Tipping papers (as per request by R.J.R. Archer), and in a Foil Laminating paper made at Jackson, Ala. We sent the Tipping paper samples to two laboratories for analyses. When the results came back, there was enough difference between the two laboratories that we had both labs repeat the tests. All PCB content were within the 10 ppm level. The repeat results from Woodson-Tenent Laboratories were very close to their original results, so we are confident of the levels here reported. We have not as yet received the repeat test results from the second laboratory.

Listed below are the PCB levels on the samples submitted:

11-0729	Cork Tipping	- 0.03 ppm
11-0726	Cork Tipping	- 0.05 ppm
10-0638	White Tipping	- 0.09 ppm
10-0642	White Tipping	- 0.075 ppm
12-5261	Foil Mounting	- 0.20 ppm

One White Tipping sample sent was made with calcium carbonate and the other with Fybex.

UGS:mr

cc: F. Harrison
E. J. Gilman
File

SA00042696

THE KAR LABORATORY
1444 SOUTH WESTNEDGE
KALAMAZOO, MICHIGAN 49008
Telephone 381-9666

MAR 15 1974
U.G. STOEFFLER

ANALYTICAL REPORT

Date: March 14, 1974 3375-K-5-ALL

To : Allied Paper Company
P.O. Box 2528
Kalamazoo, Michigan 49003
Attention: Mr. U.G. Stoeffler

Re : PCB analyses. Samples submitted on October 8, 1973.

Method: Gas Chromatography - Electron Capture.

Results:

Sample Description	Polychlorinated Biphenyls
A	32 ppb
B	38 ppb
C	34 ppb
D	61 ppb

Respectfully submitted,
THE KAR LABORATORY

John H. Karnemaat
Director

JHK

SCM CONFIDENTIA

SCM ALLIED PAPER INCORPORATED
SUBSIDIARY OF SCM CORPORATION

PAPER MILLS DIVISION KALAMAZOO, MICHIGAN 49003 (616) 345-7131

May 11, 1976

Mr. Chester Harvey
Basin Engineer
Department of Natural Resources
Water Resources Commission
4056 Plainfield Avenue, N. E.
Grand Rapids, Michigan 49505

Dear Chet:

We have received the PCB test results on the water samples we took from Portage Creek at Reed Street during the lowering of Bryant Pond.

We began lowering the pond (really raising the gate) on March 8, 1976, and on April 8, 1976 had only the Portage Creek channel left in the pond area. The creek turned quite grey-black on April 2, 1976 and became less and less black starting April 27.

The results are as follows:

Sample Date	PCB Content
March 9, 1976	92.7 ppb
March 23, 1976	292 ppb
March 30, 1976	106 ppb
April 6, 1976	150 ppb
April 13, 1976	132 ppb
April 20, 1976	120 ppb

As you can see, the PCB content went up to March 23 and then have leveled off. The last reading is still several times higher than our last test sample taken two years ago at the pond.

After Portage Creek clears up from the pond lowering, we will take additional samples in the creek for PCB analyses.

We would appreciate receiving your test results on duplicate samples of March 23, April 6, and April 20 sent to your laboratory for analysis.

0011132

THE KAR LABORATORY
1711 Merrill St.
KALAMAZOO MICHIGAN 49008
Telephone 381 9666

RECEIVED
U.G. STOEFFLER

ANALYTICAL REPORT

Date: April 5, 1976 P.O. Number: 14901

To: Mr. U. G. Stoeffler
Allied Paper Company
P.O. Box 2528
Kalamazoo, Michigan 49003

Re: Two (2) samples submitted on March 9, & 23, 1976 for PCB analysis. (Samples from Portage Creek, during lowering of Alcott Street dam.)

Methods: Gas Chromatography - Electron capture

Results:

Date sample submitted	Laboratory No.	Polychlorinated Biphenyls
March 9, 1976	W-292	92.7 ppb
March 23, 1976	W-305	292.0 ppb

Respectfully submitted,

THE KAR LABORATORY

John N. Karnemaat
John N. Karnemaat
Director

JNK:mrc

000502

THE KAR LABORATORY
1711 Merrill St.
KALAMAZOO MICHIGAN 49008
Telephone 381 9666

RECEIVED
MAY - 4 1976
U.G. STOEFFLER

ANALYTICAL REPORT

Date: May 3, 1976 P.O. Number: 14901

To: Allied Paper Company
P. O. Box 2528
Kalamazoo, Michigan 49003

Re: Four (4) water samples submitted on March 30, 1976 and April 6, 13, & 20, 1976 for PCB analysis. (Samples from Portage Creek, During lowering of Alcott Street dam.)

Methods: Gas Chromatography - Electron capture

Results:

Date sample submitted	Laboratory number	Polychlorinated Biphenyls
March 30, 1976	W-309	106 ppb
April 6, 1976	W-315	150 ppb
April 13, 1976	W-319	132 ppb
April 20, 1976	W-327	120 ppb

Respectfully submitted,

THE KAR LABORATORY

John N. Karnemaat
Director

JNK:mrc

000573

SCM ALLIED PAPER INCORPORATED
SUBSIDIARY OF SCM CORPORATION

PAPER MILLS DIVISION KALAMAZOO, MICHIGAN 49003 (616) 345-7131

August 6, 1976

Mr. Roger Przybysz
Water Quality Investigator
Water Resources Commission
4056 Plainfield Avenue, N. E.
Grand Rapids, Michigan 49505

Dear Mr. Przybysz:

We are in receipt of your letter of July 23 relative to our filter backwash water.

On the July 3 weekend, we installed a water meter on the backwash water line. We accumulated data on flow, flow rate, and backwash cycle times during the next three weeks. All this data has been presented to our Engineering Department for study. They will make recommendations for introducing this backwash water into our Bryant clarifier.

You will be pleased to hear that the results of the Portage Creek sample taken on June 3, 1976 for PCB by us showed 4.22 ppb of Aroclor's 1254 and 1242. This value is very close to your test result of 3.0 ppb as Aroclor 1242; <1 ppb as Aroclor 1254; and <1 ppb as Aroclor 1260.

Very truly yours,

ALLIED PAPER INCORPORATED

U. G. Stoeffler, Manager
Process Development

UGS:mr

cc: E. J. Gilman
Karl Zollner (WRC-Lansing)

June 4, 1976

Woodson-Tenent Laboratories
345 Adams Avenue
Memphis, Tennessee 38102

Dear Sirs:

Under separate cover, via United Parcel Service, we are sending a 2 liter sample of Portage Creek water taken June 3, 1976, on which a PCB analysis is requested.

The cost of this analysis should be applied to our Purchase Order No. 15189, the same purchase order number assigned to work you did for us in April '76.

Very truly yours,

U. G. Stoeffler, Manager
Process Development

/deo

bcc: F. Harrison
E. J. Gilman
M. Smith

6/24/76

Repeats | White ~~Cork~~ 10 0642 - .08 ppm

10 0638 - 0.15 ppm

10-726 .09 ppm

June 4

Water - 4.22 ppb

all arclors 1254 + 1242

000640

[redacted] ANN ARBOR, MICHIGAN 48104

SAMPLES RECVD BY : 04-13-81
CLIENT P.O. : 33381
REPORT DATE : 05-29-81
REPORT NO. : 209

[redacted]

RESIDUAL SAMPLES WILL BE HELD TWO WEEKS

FOR [redacted]

REFER TECHNICAL QUESTIONS TO : J. WILSON

CLIENT ID	PARAMETER & MATRIX	RESULT	UNIT	ERG SAMPLE NUMBER
	DIELDRIN	ND		
	ENDOSULFAN I	ND		
	ENDOSULFAN II	ND		
	ENDOSULFAN SULFATE	ND		
	ENDRIN	ND		
	ENDRIN ALDEHYDE	ND		
	HEPTACHLOR	<0.10	ug/L	
	HEPTACHLOR EPOXIDE	ND		
	TOXAPHENE	ND		
	PCB 1016	ND		
	PCB 1221	ND		
	PCB 1232	ND		
	PCB 1242	ND		
	PCB 1248	ND		
	PCB 1254	ND		
	PCB 1260	ND		
	COMMENTS: a-BHC HEPTA DET. LIMIT IS 0.10			
4-13-81	BOD5 IN IND. EFFLUENT	28	mg/L	
4-13-81	CARBON, TOTAL ORGANIC, IN IND EFFLUENT	35	mg/L	
4-13-81	SOLIDS, SUSPENDED IN IND. EFFLUENT	38	mg/L	

ND = NOT DETECTED SD = SAMPLE DAMAGED
NA = NOT APPLICABLE TO TEST REQUESTED
FR = SEE FIELD REPORT FOR RESULT

CONTINUED

Document Predesignate for Stoeffler

SA 038861

SCM ALLIED PAPER INCORPORATED
SUBSIDIARY OF SCM CORPORATION

PAPER MILLS DIVISION .. KALAMAZOO, MICHIGAN 49003 (616) 345 7131

November 15, 1982

Dept. of Natural Resources
ATTN: Mr. Roger Przybysz
Water Quality Specialist
State Office Building
350 Ottowa, N. W.
Grand Rapids, Michigan 49503

Dear Mr. Przybysz:

Your letter of September 9, 1982 reporting on the March 1 -2, 1982 survey of Allied Paper's discharge to Portage Creek noted a concentration of 60 micrograms/liter of Pentachlorophenol (PCP) in our 390006 outfall. This was contrasted to a reported result of 0.58 micrograms/liter of PCP in the sample taken in the 1981 survey. Upon discussing this apparent difference in the strength of this parameter you agreed that the previous survey result of 0.58 micrograms/liter was in error and should have been 58 micrograms/liter. This then showed a very little difference in the strength of this parameter in our discharge from one survey to the next.

Since none of our raw materials contain PCP, we were at a loss to explain even this small amount of PCP in our clarifier effluent. Therefore, we had Western Michigan Environmental Services of Holland, Michigan, sample and analyze three water points for PCP, namely Portage Creek (before our discharge), Monarch clarifier effluent, and a spring water near Monarch clarifier pump house. We are pleased to report that a "not detectable" concentration level in all three sample points. The detectable limit being 5 micrograms per liter. A copy of the ESI report is attached.

We trust that these results and the clarification of the 1981 survey results on PCP will negate any recommendation for short-term monitoring of this PCP parameter as a special condition of our current NPDES permit reissurance.

Very truly yours,

U. G. Stoeffler
Manager Process Development

UGS/kj
CC: T. E. Flanagan, Allied Vice President
Galen Kilmer, Permit Section, Water Quality Division
Jim Forney, Office of Toxic Materials Control, Environmental Services Div.
John Bohunsky, WQD Files, Lansing
Scott Ross, Compliance Section, Water Quality Division
Jean Eldred, Kalamazoo Wastewater Treatment Plant

Enclosure

000297

SA 034338

Document Predesignated for Stoeffler

146 SOUTH RIVER AVENUE
HOLLAND MICHIGAN 494
PHONE 616 396 12

TO: Allied Paper, Inc.
Paper Mill Division
P.O. Box 2528
Kalamazoo, Michigan 49003

Attn: Les Stoeffler

DATE: November 10, 1982

ANALYSIS of water samples by GC/MS

CERTIFIED BY William H Bouma (DB)
William H Bouma, Ph.D., Director of Laboratories

SAMPLING DATE: Received from client November 2 1982

RESULTS Expressed as micrograms per liter of sample (ppb)

ESI #	SAMPLE I.D.	PARAMETER	CONCENTRATION
821102-1	Portage Creek	Pentachlorophenol (PCP)	Not Detected*
-2	Effluent	Pentachlorophenol (PCP)	Not Detected*
-3	Spring	Pentachlorophenol (PCP)	Not Detected*

*The limit of detection was 5 micrograms/liter.

esi
ENVIRONMENTAL SERVICES, INC.
148 SOUTH RIVER AVENUE
HOLLAND MICHIGAN 49423
PHONE 616-395-1209

TO: Wilkins & Wheaton Testing Laboratory
169-171 Portage Street
Kalamazoo, Michigan 49007
Re: Allied Paper, Project #8013
Attn: Bill French

DATE: July 8, 1983

ANALYSIS: of paper waste material.

CERTIFIED BY: Dennis J. Bush/William G. Rauch

SAMPLING DATE: Received from client on June 17, 1983.

RESULTS: As noted.

ESI #	SAMPLE I D.	PARAMETER	CONCENTRATION
830654-1	Paper Waste Material from Allied Paper (Sample A)	ASTM Distilled Water Leachate	See Attached Table 1
		EP Toxicity	See Attached Table 2
		Gross Analysis	See Attached Table 3
-2	Paper Waste Material from Allied Paper (Sample B)	ASTM Distilled Water Leachate	See Attached Table 1
		EP Toxicity	See Attached Table 2
		Gross Analysis	See Attached Table 3

000621

Table 3

Analysis of Paper Waste Material from Allied Paper
Wilkins & Wheaton Project #8013
Results expressed as milligrams per kilogram (mg/kg)
of sample except where noted.

Parameter	Sample A	Sample B
pH (s.u.)	6.5	6 8
Specific Conductance (µmhos/cm)	N.A.	N.A.
Total Solids (% of sample)	16.37	29 29
Total Dissolved Solids	N.A.	N.A.
Total Volatile Solids (% of sample)	5.17	7.55
Bicarbonate	N.A.	N.A.
Chloride	279	266
COD	N A.	N.A.
TOC	N.A.	N.A.
Grease & Oil	1,000	2,030
Ammonia, Nitrogen	<0.6	23.6
Nitrate-Nitrite, Nitrogen	<1.1	23.0
Organic, Nitrogen	290	326
Phenol, Total	0.12	0.13
Sulfate	169	92
Calcium	380	9200
Iron	140	490
Magnesium	80	300
Sodium	35	32
PCB [redacted]	<0.5	<0.5
PCB [redacted]	<0.5	<0.5
PCB [redacted]	<0.5	<0.5

(Continued on Page 2)

Table 3

Analysis of Paper Waste Material from Allied Paper
Wilkins & Wheaton Project #8013
Results expressed as milligrams per kilogram (mg/kg)
of sample except where noted.

Parameter	Sample A	Sample B
Arsenic	0.92	1.75
Barium	6.6	95
Cadmium	<0.05	0.21
Chromium, Total	1.7	3.6
Copper	5.4	10.0
Cyanide	5.7	6.8
Lead	1.7	5.1
Mercury	<0.022	<0.026
Nickel	0.71	1.8
Selenium	<0.026	<0.024
Silver	<0.05	<0.07
Zinc	3.6	12 0
ESI #870654	-1	-2

N.A. - Test parameter not applicable.

Indy

SCM ALLIED PAPER INCORPORATED
SUBSIDIARY OF SCM CORPORATION

PAPER MILLS DIVISION KALAMAZOO, MICHIGAN 49003 (616) 345 7131

March 27, 1984

Mr. James T. Isley
Purchasing Agent
R. J. R. ARCHER, INC.
Winston Salem, North Carolina 27102

Dear Jim,

Your letter of March 6, 1984 to Robert Head requested assurance that the tipping papers you purchase from Allied "contains no more than minimum, unavoidable quantities of PCB".

Bob sent the letter to me for action. While we felt sure that our tipping did not contain 10 ppm PCB we sent samples of a recent run (February, 1984) of cork tipping to a certified laboratory in Kalamazoo for PCB analysis. Their analysis shows < 0.5 ppm of PCB and the copy of their analytical report is attached for your assurance.

Thank you for giving us the opportunity to provide this assurance.

Best personal regards.

Sincerely,

U. G. Stoeffler
Manager Process Development

/kmj

000690

KA05800582

KAR Laboratories, Inc.
219 Peckstok Road
Kalamazoo, Michigan 49001
Telephone (616) 381-9666

ANALYTICAL REPORT

Date: March 23, 1984 Laboratory code: 84177

To: Allied Paper, Inc.
P.O. Box 2528
Kalamazoo, MI 49003
Attn: Mr. Les Stoeffler

Re: One (1) sample of paper received March 12, 1984 from Cork Tipping for PCB determination.

Method:

AOAC (1980) 29.037

Results:

Sample Identification	PCB
CT-22384	<0.5 parts per million

Respectfully submitted,
KAR Laboratories, Inc.

John N. Karnemaat
Special Projects Director

JNK/mcm

IN RE: ENVIRONMENTAL DECLARATORY JUDGMENT ACTIONS
DOCKET NO. UNN L 8573-89

H. M. HOLDINGS, INC., THE GLIDDEN COMPANY & SMITH CORONA CORPORATION, Plaintiffs, vs. LUMBERMENS MUTUAL CASUALTY COMPANY, et al., Defendants.	SUPERIOR COURT OF NEW JERSEY LAW DIVISION: UNION COUNTY DOCKET NO. L-96187-87 Civil Action

The Deposition of CECIL CROOK, taken before Michele A. Lantis, CSR-0120, RPR-CM, Certified Shorthand Reporter and Notary Public, at Gerger-Moretti Reporting, 520 Comerica Building, Kalamazoo, Michigan on May 28, 1992, commencing at or about 9:00 a.m., pursuant to notice.

GERGER-MORETTI REPORTING
Kalamazoo - Grand Rapids, Michigan
(616) 343-0118 - (800) 536-0804

APPEARANCES:

MR. BENNET G. KELLEY
Howrey & Simon
1730 Pennsylvania Avenue, N.W.
Washington, D.C. 20006-4793

Appearing on Behalf of the Plaintiffs.

MR. JAMES A. PINDERSKI
Tressler, Soderstrom, Maloney & Priess
200 West Adams, Suite 3000
Chicago, Illinois 60606

Appearing on Behalf of Defendants Lumbermens Mutual Casualty Co. and American Motorists Insurance Co.

MR. MICHAEL S. OLSAN
Connell, Foley & Geiser
85 Livingston Avenue
Roseland, New Jersey 07068

Appearing on Behalf of Defendant Continental Casualty Co.

MR. MICHAEL H. COHEN
Morgan, Melhuish, Monaghan, Arvidson, Abrutyn & Lisowski
651 West Mount Pleasant Avenue
Livingston, New Jersey 07039

Appearing on Behalf of Defendant Home Insurance Company.

MS. CATHERINE COLINVAUX
Zelle & Larson
95 Sawyer Road - Suite 500
Waltham, Massachusetts 02154

GERGER-MORETTI REPORTING
Kalamazoo - Grand Rapids, Michigan
(616) 343-0118 - (800) 536-0804

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GERGER-MORETTI REPORTING
Kalamazoo - Grand Rapids, Michigan
(616) 343-0118 - (800) 536-0804

Q I'm sorry?
A Fiber barrels.
Q Fiber barrels?
A Yes.
Q How large were they?
A 50 gallons.
Q When you say fiber, does that mean they were not steel or metal barrels?
A Yes.
Q What did you do with the barrels? What -- strike that. What was done with the barrels, to your knowledge, after the wet strength was emptied from them?
A They were taken to a landfill.
Q Do you know what landfill?
A I think they had two different landfills. One over by Coloma.
Q Do you ever recall having seen any of these barrels being speared with a mule or forklift?
A No.
Q Do you have any knowledge about what chemicals were in wet strength?
A No, I don't.
Q Do you know whether or not wet strength was actually a trade name or was it just a name that people called

it?

A It's a trade name, yes.

Q So it's a quote, wet strength?

A Yes.

Q Sometimes this was shipped in bulk on trains?

A Tanker truck.

Q Tanker trucks. And do you recall who -- were there any markings on the side of the tanker trucks?

A That come from an outfit down on Lake Street there, that chemical company there. They delivered that stuff.

Q This is Lake Street in Kalamazoo?

A Yeah, Miller Road out here. What's the name of that chemical company on Miller Road? That's the company. It's still there.

Q Okay. It's your recollection then that they started using wet strength about 1980?

MR. KELLEY: I think he said he stopped around '80 to '86

Q Was it it your testimony they stopped using wet strength or making wet-strength paper around 1980?

A No, around '87 I think, I'm guessing

Q Did they make wet-strength paper when you first began working at Mill D?

A I believe they did.

Q Okay. Do you know what purpose the wet-strength paper served? Who would use it? Strike that. Let me ask one question at a time. Do you know what wet-strength paper was used for?
A Some of it I know was used for photography paper, you know. When you drop it in the water it would still maintain its strength.
Q I see. Now, to get back to what I started to ask you earlier, if wet-strength paper was manufactured in a manner which was not suitable for sale to the Allied Paper customers, would that paper be introduced -- reintroduced to the hydropulper to be repulped?
A In the last few years they had a system that they cooked it in the hydropulper. They had to cook it for hours. Sometimes it wasn't even worth it, they just dump it, sell it job lot.
Q They cooked it in the hydropulper?
A They had one, yes.
Q Was there a hydropulper that cooked the chemicals out of the paper?
A Yes.
Q Was that one particular hydropulper or did all hydropulpers do that?
A One at each mill, C and D.
Q And was that hydropulper always in place -- strike

that. Was that hydropulper in place at Mill D when you first began working there?

A Yes.

Q Do you remember what -- was there a number assigned to that machine, paper machine?

A I just called it the little pulper. Mill C they used the same pulper for that that they pulped their stock with on number five.

Q Now, were there times to your recollection either intentionally or by accident when wet-strength paper was introduced to the hydropulpers?

A Yes.

Q And as a result of them being introduced to the hydropulpers did this cause at any point the hydropulpers to clog?

A Yes.

Q And that was as a result of the introduction of the wet-strength chemical into the mix?

MR KELLEY: Objection, to the best of your knowledge.

A We knew when we made wet strength that we knew what we had and we didn't -- we never got it loose. But when the salvage company would bring stock into it, this would have a handful of wet strength in it, maybe a half a bushel in a big bale.

Q So wet-strength paper was something they also looked for to exclude from the paper they were introducing to the hydropulper?
A Yes.
Q All right. But sometimes nevertheless it got into the system?
A Yes.
Q All right. Was that also true of paper with latex coatings on it?
A From my knowledge latex would pulp up except it would glob up. It wouldn't plug nothing. Latex will not plug. It wouldn't run right. It would be a ball of wax like when it hit the machines.
Q When the hydropulper did clog as a result of the introduction of wet strength, what did the people working in the mill have to do?
A Well, on a couple of them they would cook it just like they were running wet strength, recycling it, and they would cook it and if they couldn't get it to cook out they would pump it out.
Q Where would they pump it to?
A Clarifier.
Q Did they pump it directly to the clarifier?
A No, through the grating system.
Q Okay. So it was pumped down into the basement?

A Sewers you'd call it, yes.
Q But it went down into the basement troughs, correct?
A Yes. And then the basement utility would clean up and bring the stuff that wouldn't go through the clarifier pump, they would take it into -- take it to a landfill.
Q Did the clarifier pump, when you say the clarifier -- when you say the clarifier pump are you referring to the pump that was in the basement?
A Yes.
Q Did the clarifier pump, your term, ever clog as a result of the wet-strength paper or the wet-strength substance?
A I don't know. No, I think the grating kept it from getting to it.
Q Getting to the pump?
A Yes.
Q There was grating surrounding the pump?
A Just like we was talking about the sewer grating, you know, in the sewer system.
Q Okay. Sir, can I ask you if you would, to the best of your ability, make a diagram, and we will mark this as an exhibit, of the layout of the basement in Mill D. And by that what I'm asking you to do in the first instance is to show me the location of the

Q Did you ever see chemicals spilled at any time during the years you were at the Monarch Mill?
A I never seen it, no.
Q Did you hear about it?
MR. KELLEY: Objection.
A Not officially.
Q Unofficially?
MR. KELLEY: Same objection.
A No.
Q Did you ever hear anyone say that they had seen chemicals spilled?
MR. KELLEY: Objection.
A A fellow told me that he got nauseated from something from a tank car, but that was just -- that was not official, that was just a fellow employee told me. I think this was chlorine.
Q Do you recall anything about the circumstances of that event?
MR. KELLEY: Same objection, Counselor It's totally hearsay.
A I think it was switching a little tank of chlorine and it leaked momentarily.
Q This is while you were at the Monarch Mill?
A Yes.
Q Is this the only occasion that you ever heard of

chemicals being spilled during the years you were at the Monarch Mill?

A Yes.

Q I believe you testified when Mr. Cohen was asking you questions that wet-strength paper was a type of paper that was excluded from salvage loads. What were the salvage loads you were referring to?

A We would buy -- the company would buy scrap paper from a salvage company.

Q Do you know that salvage company was?

A Redmond Brothers.

Q Redmond?

A Yes.

Q Do you know where they're located?

A Factory Street they were. I think they've gone out of business.

Q In Kalamazoo?

A Yeah.

Q Do you know what years the company bought scrap paper from Redmond Brothers?

A Probably the last five, six years they run.

Q So we're talking about the 1980's?

A Late '80's, yes.

Q Do you know what the paper was used for?

A It was used to mix -- general use. You know, it's

broke, recycled paper that they reused.
Q Was it paper that required de-inking?
A No; no.
Q So, when the salvage paper came into the mill what was done with it?
A It was just put in the hydropulper and recycled or repulped.
Q And this was something that you had responsibility for?
A I have, yes.
Q Were there other kinds of paper that would be excluded from this salvage paper?
A Not much, no.
Q Any other types you can think of offhand?
A I don't understand the question.
Q Well, I believe perhaps I misheard. I believe you had said that when this salvage paper came in you would take out the wet-strength paper?
A We did not sort it We didn't have time. You couldn't tell it anyway, unless you used a chemical to test it. But you would know it when you dropped one if you had wet strength, you knew it.
Q So, you didn't sort through the paper and take out particular types of paper before you used it?
A No.

Q Were there ever any other types of paper that would come in this scrap paper that could be a problem in the hydropulper?
A No.
Q Do you know whether Allied Paper used salvage paper before 1980 in this process, in the hydropulper?
A Yes, I think they've always used a certain amount.
Q And this is paper again that would not go through the de-inking process, but would be put directly into the hydropulper in the beater rooms of the mills?
A Yes.
Q And you believe that this is a practice that Allied Paper always followed?
A Yes.
Q Is this a practice that was always followed during the years that you worked in the beating room?
A Yes.
Q Do you have personal knowledge that it was used before the years that you were in the beating room?
A I think before I went to the beater room and Mill A was still running everything went through Mill A. They would sort it out if there was anything in there, they could throw it on a belt and sort it.
Q Do you know whether or not during the years that Mill A was running some salvage paper that did not require

de-inking would be used, would be introduced directly into the hydropulpers in the beating room without having gone through the de-inking process?

MR. KELLEY: Can you read back the question, please?

(Court reporter read back the question)

A No.

Q You don't know?

A I could explain it.

Q Please do.

A They had -- like I said, they had pulpers over there that if they seen quality paper that didn't have to be sorted or de-inked, they would pulp it over there and pump it over to those tanks we got between Mill C and Mill D, everything.

Q I believe you stated that there was a basement utility man in Mill D who would take out material that could not be run through the clarifier, do you know the names of any of the people who held that position?

A The man that done it for years and years died just before the mill went down.

Q What was his name?

A Richard Montz.

Q The one time that you recall seeing the Portage Creek

looking milky white, was that during the years you were working at the Monarch Mill?

A Yes.

Q Do you recall whether that was towards the beginning of the time you worked at the Monarch Mill or towards the end, or do you know what year that was?

A No, I don't.

Q Do you know if that would have been before or after 1950?

A After.

Q Do you know if it would have been before or after 1955?

A I would say close to '55.

Q You testified that the gate in Mill D was welded shut after the occasion on which you opened it. Did you actually see it welded shut?

MR. KELLEY: Are you asking if he saw the process of being welded shut?

Q Did you see the welders in there welding it shut?

A No.

Q What led you to believe it had been welded shut?

A I looked at it. It was welded shut and sandbagged

Q Did you attempt to open it on that occasion?

A No.

Q How could you tell that it had been welded shut?

A By looking at it.

MS. COLINVAUX: I don't have any other questions.

FURTHER EXAMINATION

BY MR. PINDERSKI:

Q I just have couple of questions for you, Mr. Crook. A large part of the deposition we've spent talking about the gate that would have led to the creek. Okay. Was there another term for that gate or that passage to the creek? Was it sometimes referred to as a bypass, that you're aware of?

A I'm not aware of it, no.

Q Are you aware of any other name that that gate would have had or that passageway would have had?

A No.

Q It was just called the gate?

A Uh-huh.

Q All right. You said that when you went from Mill E to Mill A it was because you were either told to go on vacation or go to work at Mill A. Was that a circumstance surrounding your involvement with the union or how did that work? Why was it that type of an option?

A When we run out of orders and we don't have enough to keep the operation going, they would shut down a

H. M. HOLDINGS, INC., THE GLIDDEN COMPANY & SMITH CORONA CORPORATION,	)	SUPERIOR COURT OF NEW JERSEY LAW DIVISION: UNION COUNTY DOCKET NO. L-96187-87
Plaintiff,	)	
vs.	)	Civil Action
LUMBERMENS MUTUAL CASUALTY COMPANY, et al.	)	
Defendants.	)	

DEPOSITION of MALCOLM J. RENDELL, taken pursuant to Notice, at the Holiday Inn, 375 Main Street, Waterville, Maine, beginning at 9:00 a.m., November 16, 1992, before Rebecca M. Pearson, a Notary Public in and for the State of Maine.

APPEARANCES:

For the Plaintiff:	BENNET G. KELLEY, ESQ.
For Home Insurance Co.:	MICHAEL H. COHEN, ESQ.
For Continental Casualty:	EDWARD DeLESKY, ESQ.
For Lumbermens Mutual Casualty and American Motorists Insurance Company:	JAMES A. PINDERSKI, ESQ.
For Hartford Accident & Indemnity:	RANDOLPH L. CHRISMON, ESQ.

BROWN KEENE & HALTEMAN
Court Reporters
P.O. Box 1538
Bangor, Maine 04402-1538

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No.	Description	Marked
1	May 25, 1959 memorandum from U. G. Stoeffler to R. M. Levy and R. A. Larson, stamped SA 028993 through 029000	74
2	October 27, 1961 Allied Paper memorandum from U. G. Stoeffler to R. M. Levy, stamped SA 027740 and SA 027741	93
3	November 7, 1961 Allied memorandum from P. H. Germann to U. G. Stoeffler	98

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4	Document captioned Allied Paper Corporation, Research And Development Department, Progress Report Number 1, dated August 24th, 1964, authored by U. G. Stoeffler, R. J. Willie and R. Randall, stamped SA 027717 through 027726	99
5	Water Resources Commission memorandum dated October 18, 1966, from R. J. Courchaine to C. Harvey, stamped SA 011402	114
6	November 22nd, 1966 Department Of Conservation letter from Robert Courchaine to E. J. Gilman, stamped SA 029146	116
7	July 22nd, 1966 letter from the sales manager of the Industrial Starch Section of General Mills, addressed to Ray Willie of Allied Paper	127
8	November 23, 1966 letter from E. J. Gilman to Robert Courchaine, stamped SA 029145	130
9	Series of documents beginning with stamp SA 029255 and ending with SA 029262, with an August 15th, 1967 cover letter from Chester Harvey to E. J. Gilman	134
10	August 18, 1967 letter from Loring F. Oeming to Harold Mattson, stamped SA 011385	138
11	August 17, 1967 memorandum from Ralph Purdy to R. J. Courchaine, stamped SA 011386	142
12	December 13, 1967 letter from Robert Courchaine to E. J. Gilman, stamped SA 011382 through 384	145

Q Was Mr. Stoeffler your immediate superior at all times you were working at Allied Paper?
A No.
Q Who else might have been your immediate superior?
A Ken Sweet.
Q And would that have been later on in time?
A Mm-hmm.
Q Do you recall about how many years Mr. Stoeffler had been your immediate superior beginning in 1966?
A Well, I started in '66. I would say maybe in '70, '71. I think five years or so.
Q All right. And thereafter Mr. Sweet?
A Yeah.
Q And did Mr. Sweet become your supervisor because he assumed Mr. Stoeffler's position, or did you assume a new position?
A I assumed a new position.
Q All right. Your position in 1966 with Allied Paper would have been what?
A I think it was the assistant manager up there in the technical department.
Q Okay. Mr. Stoeffler's position at that time?
A Would be manager of the department.
Q Did that department also get called the process department?

A It's possible. It's the same type.
Q And was that connected with the R & D Department; do you know?
A R & D was somewhat separate, but they both reported to Dr. Levy.
Q So this was actually a separate division?
A Yeah.
Q All right. When you began working for Mr. -- directly under Mr. Sweet in about 1971, what was your new position at that time?
A I believe I was a technical assistant to the production manager.
Q All right. And the production manager would have been Mr. Sweet?
A Mm-hmm.
Q And did you have any other positions other than those two between '66 and '71?
A Somewhere about '74 or so I became superintendent of the Mill C.
Q In '74, that was after?
A Yeah, somewhere in that. Still reported to Sweet.
Q But were there any positions that you held between '66 and '60 -- and '71, excuse me, other than the two positions that you've already told us about?
A No.

Q All right. And were there any other persons other than Mr. Stoeffler and Mr. Sweet that you had reported, to the best of your recollection?
A That would be the two that I actually reported to.
Q Okay. What year did you leave the employment of Allied Paper?
A '78, I believe.
Q All right. And you said 1974 you took -- you gained the position of superintendent of Mill C?
A Yeah, I believe so. Somewhere in that vicinity.
Q And Mill C's operation involved what?
A They had two paper machines there.
Q So a straight papermaking?
A Yeah.
Q There was no other type of pulp operation?
A No.
Q All right. Did -- was the paper manufactured in Mill C in 1974 manufactured solely from virgin fibers?

MR. KELLEY: Excuse me, could you read that question back?

(The Reporter read back the pending question.)

A No.
BY MR. COHEN:
Q All right. So other than virgin fibers, what other

type of fibers would have been used?

A I believe they would call it post consumer waste.

Q Post consumer you said?

A Yes. In other words, it going to maybe -- try to give you an example. We made, quote, fine paper, which is different from newsprint which is different from tissue. And sometimes because of the -- we would -- when they make envelopes for argument sake, the clippings, that would be waste paper, and we take their clippings and repulp it.

Q This would not have been paper, though, that was inked?

A Not normally, no.

Q What was the source of that -- strike that.

Was that paper pulped in Kalamazoo?

A It would be repulped in the mill, yes.

Q All right And do you recall which mill that was repulped in?

A Probably Mill C.

Q All right. So there was your, for lack of a better phrase, run-of-the-mill hydrapulper in Mill C?

A Yeah.

Q And this waste paper was introduced to those hydrapulpers --

A Mm-hmm.

Q -- stock was created and you used that to make paper?
A Yeah.
Q You say not -- normally that paper would not be inked; is that correct?
A No, normally it would not be.
Q Because this was -- well, I just want to understand what the source of that waste paper would have been. You say it's called post consumer waste paper?
A Well, that's another -- because our envelope stock was sent to you, you made envelopes out of it --
Q An so when I trimmed it --
A -- and the waste paper we took it back or you sold it back to us.
Q So the seller of that waste stock would have been companies that Allied was selling finished product to?
A Not necessarily.
Q All right.
A Because you would have what they call waste paper manufacturers or sellers, and they may go to a bunch of small printing shops and take this paper back and then sell it to various mills.
Q Were there waste papers sellers in Kalamazoo?
A I don't know.
Q Do you recall the names of any of the companies?
MR. KELLEY: He said he doesn't know if

there were, so --

MR. COHEN: Well, that wouldn't mean he doesn't -- just because he doesn't know the location, doesn't necessarily mean he doesn't know the company.

A Normally they were out of Chicago, and they dealt with our purchasing department.

BY MR. COHEN:

Q Okay. But as mill superintendent -- Mill C superintendent, you didn't have to involve yourself in that?

A No.

Q All right. I'll bring you back to -- you said normally this would not be inked paper. In other words, it was Allied's expectation that this waste paper was not used in the sense that it had already been printed on.

A It would be what we call plain paper.

Q Now, was there any sorting process performed at Mill C to insure that the paper that was going into those pulpers was, in fact, what you described as post consumer waste paper?

A At times we did inspect this, yes.

Q At times you did? Was there -- okay.

A They'd come in bales. You'd have to break the bales down sometimes as you put it in the pulper, so you'd

automatically inspect it while you were doing that.
Q Okay. Do you recall what individuals while you were mill superintendent beginning in '74 had as one of their job responsibilities the inspection of these bales of waste paper?
A (Shaking head negatively)
Q I'm going to test your memory today, you know that.
A I'll say you're going to test my memory.
MR. KELLEY: That's a no for the record.
THE WITNESS: That's a no.
BY MR. COHEN:
Q In addition -- well, let me take you back to the orientation process that you described a little while ago or mentioned a little while ago. What, to the best of your recollection, did that orientation process involve when you first came to Allied?
A Basically how to get to the three mills, who was in charge.
Q Okay.
A Pulp -- grades of paper we made.
Q So you actually visited each of the three mills at that time?
A At one time or another, yes.
Q All right. Now, you began working out of Bryant, correct?

A Mm-hmm.
Q Where your job responsibilities at that time in 1966 limited to the Bryant Mill?
A Basically.
Q All right. And what were your original job responsibilities when you were employed by Allied?
Well, first of all, what was the name of your position at that time? I know you already told me.
A Assistant process manager.
Q Okay.
A What we'd be mainly concerned about was production problems, how to make the machines a bit more efficient, checking out some machine clothing we call it, pulp furnishes, retention, that sort of thing.
Q By retention are you referring to retention in a paper machine or retention --
A Retention on the paper machine as far as fiber is concerned, as far as filler is concerned.
Q Okay. The other use of the word retention that I'm a little familiar with is in terms of the de-inking operation at Bryant.
Were you also involved with the production -- strike that.
Were you also -- were your job responsibilities also concerned with production quotas and things of

this like with regard to Mill A?
A No.
Q All right. So was that, to your recollection, a responsibility of the process department?
A To my recollection I don't think so.
Q All right. Do you have any recollection as to who was responsible for the efficient running of Mill A?
A Yeah, the mill manager, but I can't remember his name.
Q All right. Did the process department also, in addition to concerning themselves with paper manufacturing, also concern themselves with the manufacture of pulp?
A That's almost the same question.
Q It kind of is and I'm not trying to trick you. I'm just actually trying to refresh your recollection better.
A I guess what I'm saying, Mike, I wasn't involved in Mill A that much, so I don't really know who -- how much Stoeffler and his group did over there.
Q All right. You say Stoeffler and his group. Was there -- did Mr. Stoeffler have a group apart from yourself?
A Well, he had his own group over in the King Division at that point in time --
Q All right.

SUPERIOR COURT OF NEW JERSEY
LAW DIVISION: UNION COUNTY

H.M. HOLDINGS, INC., THE GLIDDEN COMPANY & SMITH CORONA CORPORATION,

Plaintiffs,

-v- Docket No.: L-96187-87

LUMBERMEN'S MUTUAL CASUALTY COMPANY, et al.,

Defendants.
_____/

The deposition of MARION SHEEN taken before Sheryl Bussinger, (CSR - 1441), Certified Shorthand Reporter and Notary Public, at Gerger-Moretti Reporting, 520 Comerica Building, Kalamazoo, Michigan, on May 7, 1992, commencing at 9:00 a.m., pursuant to notice.

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For the Defendant Employers Insurance of Wausau:

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Q Do you remember doing clean-ups before the clarifier?
A Yes.
Q And before the clarifier, they would hose things down like we just talked about?
A Yes, sir.
Q And would they do it the same way after the clarifier?
A Yes, sir.
Q Would the amount of water generated during this clean-up process ever cause the alarms to go off in the pump station?
A Yes, sir. Excuse me a second.
Q Sure. So during the clarifier, the amount of water in the pump house would increase -- strike that. During the clean-up, the amount of water in the pump house would increase, is that correct?
A Sometimes, yes, sometimes no.
Q What would determine it?
A If the machine, all of the machines hadn't dropped their water off the tanks, that could be a possibility they'd get too much.
Q Would all of the machines drop their water at the same time?
A No, sir, they would stagger them so it wouldn't all go in at the same time.

Q That was to prevent the water --
A Yes, sir.
Q -- from getting to such a great level?
A Yes, sir.
Q But at times the water would be at such a level that it would overflow, is that correct --
A Yes, sir.
Q -- into the creek, is that correct?
MR. KELLEY: Objection, calls for speculation.
A Well, I couldn't see it going into the creek. All I would know, I would hear the horn blowing and I knew the level was high. Whether it went into the creek or not, I do not know.
Q But it went into the overflow pipe that you saw?
A It would go into the pipe and the horn would blow. That's all I know.
Q Now you said that after working at Mill A you moved to Mill D, is that correct?
A Oh, yes.
Q Why did you move to Mill D?
A Because Mill A shut down.
Q Did you receive a promotion when you went to Mill D or were you at the same --
A Well, you might say so. I took a cut in wages.

Q And you started out as a broke beater?

MR. KELLEY: I'm going to have to object to all lines of questions about Mill D because it's after Mill A shut down and there was no PCB involved, no de-inking so it's entirely beyond the scope of this litigation.

Q You said you were a broke beater at Mill D?

A Yes, sir.

Q What does a broke beater do?

A Make broke.

Q What is broke?

A Broke is used paper.

Q How was this used paper generated?

A You mean how was broke made?

Q Yes.

A Broke is made on the paper machine, if the machine had a break and it hayed out.

Q What do you mean when you said it hayed out?

A Well, when they had a separation of fibers and it went round and round and round on the dryer.

Q Would the paper go out onto the floor?

A Yes, sir.

Q And then you would place that in the broke beater or someone would?

A Someone would place it in a shoot and it would come

down to the broke beater where I would put it into a broke beater and beat it up.

Q How would you beat it up?

A In a beater.

Q Would you have to add water?

A Yes, sir.

Q And chemicals?

A No chemicals, just water.

Q Just plain water. Would you apply heat to this material?

A No, sir.

Q What would happen to the material in the broke beater?

A As it got beat up fine enough, it would be pumped into a broke tank.

Q And what happened in the broke tank?

A Then as the machine needed broke, it would be drawed out of the broke tank so many marks, so many feet per order, depending on the order.

Q What is the difference between the stock contained in the broke tank and virgin stock?

A Virgin stock is paper that's made out of trees.

Q Is the fiber contained in the broke beater, wasn't that originally virgin stock?

A Yes, it was, but when it went through the Jordans, it

broke the fibers down so, therefore, it wasn't virgin stock anymore.

Q Does that mean it wasn't as good as virgin stock?

A Yes, sir.

Q But they would use this in the manufacturing process?

A Yes, sir.

Q What would determine how much broke stock they needed?

A Now that I don't know because that was the beater engineer's job.

Q Is there a difference between broke stock and de-inked stock?

A Yes, sir.

Q What's the difference?

A The difference is D-I stock is stock that's been made out of used paper. Now the broke is stock that's been made out of the recycled sulfide so to speak.

Q Is the only difference that the broke stock never had ink on it or is there another difference?

A Well, it didn't have ink on it. What it is it's used stock that come off of the paper machine, waste fiber so to speak.

Q When you worked at the broke beater, where in Mill D was that located?

A The broke beater was located right next to the creek.

That would be on the west side of the building.
Q Didn't the creek run right next to the building?
A The creek run underneath the building.
Q Why did they build the mill right on top of the creek?
MR. KELLEY: Objection. No foundation that he was there has been established.
A I don't know. I wasn't there.
Q But it was always like that when you were there?
A Yes, sir.
Q Did the broke beater ever overflow?
A Yes, sir.
Q What would cause that to happen?
A Then again, it got too full.
Q Would that be because of the negligence of --
A Yes, sir.
Q -- of the operator?
A Yes, sir.
MR. KELLEY: Objection. That's your characterization, not the witness'.
Q Where would the material go?
A On the floor.
Q And which floor did you say this was on?
A This was in the basement.
Q The beater was actually in the basement, too?

A Yes, sir.
Q What else was in the basement of Mill D?
A A lot of things.
Q Did they have hydropulpers?
A No, the hydropulpers were on the other end of the mill.
Q Did they have tanks in the basement?
A Yes, sir.
Q Used for various purposes?
A Yes, sir.
Q Did they have trenches in the floor of the basement?
A Yes, sir.
Q What were those trenches used for?
MR. KELLEY: Objection, no foundation.
A That I don't know. I can't remember now.
Q Did you ever see those trenches?
A Oh, sure.
Q And just to be clear, you worked in Mill D during the last approximately 20 years of your career?
A Yes, sir.
Q What material was contained in these trenches?
A Usually paper stock.
Q Where did the paper stock come from?
A Wherever it ran over from.
Q So if your broke beater overflowed, it would end up

in the trenches?

A Yes, sir, eventually.

Q Did they have pits like the ones in Mill A?

A Yes, sir, similar.

Q And would this overflow material accumulate in the pits?

A Yes, sir.

Q Can you describe the pits for us?

A Well, like a square hole five by five and ten foot deep.

Q How many of those pits did they have?

A That I cannot --

Q Were there more than ten?

A No.

Q Did they have pumps hooked up to these pits?

A No, sir.

Q What happened to the material after it entered the pits?

A It would be cleaned out on a wash-up.

Q How would they go about cleaning it out?

A With a hose.

Q Was there a drain in the bottom of the pit?

A No, sir.

Q How would material get out of the pit?

A We would wash it out.

SUPERIOR COURT OF NEW JERSEY
LAW DIVISION: UNION COUNTY

H.M. HOLDINGS, INC.,
THE GLIDDEN COMPANY & SMITH
CORONA CORPORATION,

Plaintiffs,

-v- Docket No.: L-96187-87

LUMBERMEN'S MUTUAL CASUALTY
COMPANY, et al.,

Defendants.

The deposition of FRANCIS SELLON taken before Sheryl Bussinger (CSR - 1441), Certified Shorthand Reporter and Notary Public, at Gerger-Moretti Reporting, 520 Comerica Building, Kalamazoo, Michigan, on July 23, 1992, commencing at 9:00 a.m., pursuant to notice.

KA05600048

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A How long is the questioning going to last?

(Brief recess)

Q When you worked at the testing station, you said that what you were testing was finished product. Was that finished paper that had come off the paper machine or was it finished stock that came off the de-inking --

A No, it was the paper. Well, we did take -- no, that was not paper that was on the machine. Go ahead.

Q When you worked on the experimental hydropulper that was in the basement --

A No, it wasn't in the basement. It was on the main floor.

Q It was on the main floor, I'm sorry. When you worked on that experimental hydropulper, do you know how long that hydropulper had been operating before you started to work on it?

A Well, it hadn't been operated on. I mean, it hadn't been in operation.

Q So you were the first operator of that hydropulper?

A Yes.

Q Were you also the last operator of that hydropulper, if you know?

A One of the last, yeah. There was three of us working on it, different shifts.

Q After you stopped working on that hydropulper, did it

continue to operate?

A No, no, it went down.

Q Do you know whether any wet strength paper was used on that experimental hydropulper?

A Well, we did run wet strength, but I don't remember which hydropulper it was on.

Q What types of wet strength did you run?

A We broke up wet strength. We didn't run. You know what I mean?

Q No, I don't.

A Well, like if they run wet strength on the paper machine and they want to use it over, we put it in the hydropulper and it has to beat, I'd say, roughly three to five hours with Alum in there to break it up.

Q And this wet strength that you're talking about was wet strength that had been produced in the King Mill itself?

A Well, not necessarily. There was a spell there where we got some wet strength in. We didn't run too much in, not too long a period that we beat it up.

Q This was wet strength that you received as wastepaper?

A It was wastepaper, yeah.

Q What did that wet strength look like?

A Well, it was -- it looked like ledger is what it looked like. I don't remember whether it was coated or not. You know what wet strength is, don't you? It's like a matte paper and it runs it -- through the ordinary process by itself it won't beat up and as far as what it looked like, it's clear white paper, most of it, but there's no de-inking that I can remember to it. It's just breaking it up is the main thing.

Q Do you remember what period of time you ran this wet strength?

A I have no idea.

Q Was it something that you did the entire time that you worked as a hydropulper operator?

A It was put on -- it was put on overtime mostly because, like I say, if you take that time to run a batch of it out, you couldn't keep up with the paper machines.

Q But during all the years that you worked as a hydropulper operator, whether for the experimental hydropulper or for the nonexperimental hydropulper, did you at various times run wastepaper that was wet strength paper?

A I can't remember when we run it, but we did run it off and on but I can't remember. I really can't.

Q Do you know who ran the experimental hydropulper on the other shifts?

A No, I don't. I've forgot. Now I call it an experimental hydropulper. I don't -- because, like I say, it was after a new grade of paper so I don't know. I am just using that word experimental because it was experimenting to an extent. You know what I mean? To see if they could use -- make money on that particular grade of paper, you know. I call this they made it for the pocketbook magazines, you know, like that which is a cheaper grade of paper.

Q You said that both of the hydropulpers that you worked on you believed were five ton hydropulpers?

A It is around five ton I'd say.

Q Could you estimate the dimensions of those hydropulpers for me?

A I really wouldn't want to go into that because I'm very poor at estimating distances and dimensions.

Q Okay. Do you know what a de-foamer is?

A A de-foamer is a product to cut foam.

Q Did you ever use de-foamers in any of your work at Allied Paper?

A Only in the photograph we used a little alcohol to cut the foam.

Q This was when you were a coater operator and coater

helper?

A Photograph, yes.

Q Do you know the name or names of de-foamers that you used?

A The butane alcohol.

Q Did you ever use de-foamers in any of your other positions at the King Mill?

A Not in any of my positions, no.

Q Did you ever see any type of blue stain on the walls or floors or equipment anywhere in the King Mill?

A No.

Q Do you recall what year you bought your house on Cork Street?

A '49.

Q You mentioned that there was a safety committee that was appointed once a year at the King Mill?

A I believe it was once a year.

Q What did that safety committee do?

A I was never on it. I don't know. Talked about safety, I guess.

Q How did you know that it existed?

A Well, you know, every now -- I think -- there again, I am speculating, but I believe they went through the mill and inspected different things.

Q Do you know anyone who was on that committee?

SUPERIOR COURT OF NEW JERSEY
LAW DIVISION: UNION COUNTY

H.M. HOLDINGS, INC.,
THE GLIDDEN COMPANY & SMITH
CORONA CORPORATION,

Plaintiffs,

-v- Docket No.: L-96187-87

LUMBERMEN'S MUTUAL CASUALTY
COMPANY, et al.,

Defendants.
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The deposition of MARION SHEEN taken before Sheryl Bussinger, (CSR - 1441), Certified Shorthand Reporter and Notary Public, at Gerger-Moretti Reporting, 520 Comerica Building, Kalamazoo, Michigan, on May 7, 1992, commencing at 9:00 a.m., pursuant to notice.

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Q Do you remember doing clean-ups before the clarifier?
A Yes.
Q And before the clarifier, they would hose things down like we just talked about?
A Yes, sir.
Q And would they do it the same way after the clarifier?
A Yes, sir.
Q Would the amount of water generated during this clean-up process ever cause the alarms to go off in the pump station?
A Yes, sir. Excuse me a second.
Q Sure. So during the clarifier, the amount of water in the pump house would increase -- strike that. During the clean-up, the amount of water in the pump house would increase, is that correct?
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Q -- from getting to such a great level?
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Q But at times the water would be at such a level that it would overflow, is that correct --
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Q -- into the creek, is that correct?
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Q Why did you move to Mill D?
A Because Mill A shut down.
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A Well, you might say so. I took a cut in wages.

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Q What does a broke beater do?

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Q What is broke?

A Broke is used paper.

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A Broke is made on the paper machine, if the machine had a break and it hayed out.

Q What do you mean when you said it hayed out?

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Q And chemicals?

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Q -- of the operator?
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Q Where would the material go?
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Q And which floor did you say this was on?
A This was in the basement.
Q The beater was actually in the basement, too?

A Yes, sir.
Q What else was in the basement of Mill D?
A A lot of things.
Q Did they have hydropulpers?
A No, the hydropulpers were on the other end of the mill.
Q Did they have tanks in the basement?
A Yes, sir.
Q Used for various purposes?
A Yes, sir.
Q Did they have trenches in the floor of the basement?
A Yes, sir.
Q What were those trenches used for?
MR. KELLEY: Objection, no foundation.
A That I don't know. I can't remember now.
Q Did you ever see those trenches?
A Oh, sure.
Q And just to be clear, you worked in Mill D during the last approximately 20 years of your career?
A Yes, sir.
Q What material was contained in these trenches?
A Usually paper stock.
Q Where did the paper stock come from?
A Wherever it ran over from.
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in the trenches?
A Yes, sir, eventually.
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A Yes, sir, similar.
Q And would this overflow material accumulate in the pits?
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Q Did they have pumps hooked up to these pits?
A No, sir.
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A It would be cleaned out on a wash-up.
Q How would they go about cleaning it out?
A With a hose.
Q Was there a drain in the bottom of the pit?
A No, sir.
Q How would material get out of the pit?
A We would wash it out.

SUPERIOR COURT OF NEW JERSEY
LAW DIVISION: UNION COUNTY

H.M. HOLDINGS, INC.,
THE GLIDDEN COMPANY & SMITH
CORONA CORPORATION,

Plaintiffs,

-v- Docket No.: L-96187-87

LUMBERMEN'S MUTUAL CASUALTY
COMPANY, et al.,

Defendants.
_____/

The deposition of RUDY WOLCHINA taken before Sheryl Bussinger, (CSR - 1441), Certified Shorthand Reporter and Notary Public, at Gerger-Moretti Reporting, 520 Comerica Building, Kalamazoo, Michigan, on March 2, 1992, commencing at 1:00 p.m., pursuant to notice.

GERGER-MORETTI REPORTING
Kalamazoo & Grand Rapids, MI
(616) 343-0118 & (800) 536-0804

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EXHIBITS PAGE

Exhibit 1 - Map 18

A No.
Q Did you obtain any postgraduate training, take any classes?
A Nothing formal.
Q So nothing related to, let's say, a university?
A No.
Q And would the informal training that you speak of been in things that you would have undertaken at Allied Paper?
A Yes.
Q Could you tell me what the first job you had was after you graduated from college, sir?
A Well, I was working at the mill when I was in college.
Q Okay.
A I worked the night shift so I could go to school days and that was in the finishing room.
Q Then do you recall the period of time you worked there what years you would have worked there while you were going to school?
A Well, I started in '56 so I graduated in '57 so it was a year or so.
Q After you graduated from K College, you went to work for Allied Paper?
A I stayed there, yes.
Q When you began working for Allied Paper, were you also

working in the finishing room as you had when you were --

A Oh, yeah, yeah.

Q What did you do in the finishing room?

A Loaded cutters.

Q And what does that job entail exactly?

A You bring rolls of paper up to a cutter, that's where they sheet a roll of paper and put it in, numerous rolls in, depending on the order, and they sheet it to whatever size the customer wants.

Q And you did this when you were still in college?

A Yes.

Q And this is a job you did after you graduated?

A Right.

Q How long did you work in the finishing room?

A Things get a little sketchy back that far. I really don't know what year where I made a break from one job and went to another, but it was all at the King Mill for a good ten years or so.

Q You say a good ten years or so you spent at the King Mill?

A Yeah. The mill went down in '72, I think.

Q Would you say you spent five years at the finishing room in the King Mill?

A I couldn't be specific, but it was a while.

Q A number of years then?
A Yes.
Q Where was the finishing room located at the King Mill?
A The paper machines were on Lake Street. They were close to each other. There were two machines coming in from each end and we had an east wing and west wing and the finishing room was kind of right down the middle going from the paper machine room towards the north.
Q What was in the east wing?
A That was all the equipment that took care of the number one and two paper machines, the hydropulper and stuff for that.
Q When you say equipment that took care of the paper machines, are you talking about equipment that would have fed the paper machines?
A Yes, the Georgian that chewed stock up to the right length for whatever order they were running.
Q And you mentioned there would have been a hydropulper in that room as well?
A Yeah.
Q Was there more than one hydropulper?
A There were a number of them depending on what the -- where the paper was coming from.
Q Would there have been more than one hydropulper feeding each paper machine?

A No, because the hydropulper -- well, we had broke pulpers that the finishing room put things in and then that was dispersed to other areas of the mill, other tanks, holding tanks.
Q What is a broke pulper exactly?
A Normally it was a smaller pulper than the big ones for the paper machine because it took less quantity of broke.
Q What is broke?
A Wastepaper off the paper, the process, shavings, when you tear down a roll to get rid of dirt, imperfections that went into the broke pulper.
Q Where did this broke go once it had been pulped in the finishing room?
A Probably to holding chests that we used later on in the process again.
Q So within the broke pulper -- was the broke liquefied --
A Yeah.
Q -- in some way?
A Yeah. You add water to it and break it up again so it's fibers once more.
Q Would you add anything else outside of water?
A No.
Q What type of training did you undergo to work in the finishing room?

A No training, other than what they gave you on the job that this is your job, this is how you do it.
Q Okay. So there were no handbooks or manuals?
A No.
Q How big was the finishing room?
A Maybe 50 feet by 150 -- well, wait, that would only be the cutter area. The finishing room was -- it was a large, large facility because we had trimmers in there. There was room for sorters. We had some extraneous equipment, sealing machines and stuff so it was a big, big area.
Q And you mentioned trimmers. What exactly do trimmers do?
A After the paper comes out of the cutter, they pile it up onto a skid and then the trimmer cuts it with a nice smooth cut on all four sides so the -- it would be the exact size that the printer wanted.
Q When you say printer, does that mean a customer of Allied Paper?
A Yes.
Q And what does a sorter do?
A If they find imperfections someplace in the operation where it's already in sheets, the sorter would go through the whole skid and take out whatever imperfections they were talking about.

Q When you say take out imperfections, would that mean they would take out part of a roll, a finished roll?
A No, the sorter works on sheets, only sheets. They would go through the skid sheet by sheet and remove the sheet of paper that has the imperfections in it.
Q Okay. And where would that sheet go? Would that go to the broke pulper?
A That would go back to the broke.
Q What other activities were going on in the finishing room outside of the ones we've mentioned here?
A We had sealing machines that they cut eight-and-a-half by eleven sheets, reams of paper, and it went through the sealing machine and they would individually wrap each ream of paper. That was in the finishing area.
Q Anything else?
A Well, they wrapped skids there, the finished skid before it went to the customer. It was wrapped in the same area.
Q Did you have to wear any protective gear, safety goggles, anything along those lines during your job?
A No.
Q Did you have to fill out any reports in connection with your job, production reports, anything along those lines?
A Not in finishing, no.

Abbey Paper Stock Company
1300 Pine Street
Camden, New Jersey 08103

Acme Waste Products, Inc. 4801 Chaincraft Rd. Cleveland, Ohio 44125	Frank Tavens
Aetna Waste Paper Co. 4301 Southwestern Blvd. Chicago, Illinois 60609	Al Fox
Albany Paper Grading Co. 1011 So. California Ave. Chicago, Illinois 60612	Jerry Golden
American Paper Stock Co. 320 West Michigan St. Indianapolis, Indiana	Richard Weisenflu
Ash Trading Corp. PO Box 908 Albany, New York 12201	Al Kirsch
Atlanta Intercel 1240 Stewart Ave. S/W Atlanta, Georgia 30310	Harold Vander Kley
Austell Box Board PO Box 157 Austell, Georgia 30001	Bob Prillaman

KA05800161

Wien
EXHIBIT NO. 3
7-7-92
P MORETTI

B & J Services, Inc.
3535 E. 14th St.
Los Angeles, California

Art Kazarian

Buffalo Paper Stock Co., Inc.
25 Hardwood Place
Buffalo, New York 14210

Haskell Stovroff

Butler Paper Co.
1238 Windsor Rd.
Suffolk, Virginia

Mr. Butler

KA05800162

KA05800162

Capitol Waste Paper Co. — Hyman Lipsitz
1962 Trombly Ave.
Detroit, Michigan 48211

Cassone Paper Stock Co. — Anthony Cassone
236 Wolcott St.
Brooklyn, New York 11231

Castle & Overton, Inc.
630 Fifth Avenue
New York 20, New York

Central Iron & Metal Co. — Joe Winekoff
2455 Elston Avenue
Chicago, Illinois

Champlain Paper & Iron Co.
PO Box 2601
Station "B"
Toledo 6, Ohio

Clark's Disposal Service
603 South 12th St.
Mt. Vernon, Illinois

Cleveland Paper Packing Co.
2670 East 51st St.
Cleveland 4, Ohio

Columbus Waste - Attn: Maurice Schnecter
(See Urbana Paper)

Consolidated Fibres — Richard Stovroff
1800 Peralta St.
Oakland, California 94623

Continental Paper Grading Co. — Sam Epstein
1623 Lumber St.
Chicago, Illinois 60616

KA05800163

KA05800163

Dayton Waste Material Co. — Al Kaplan
319 E. Mound Ave.
Miamisburg, Ohio 45342

David M. Dickson Co.
6801 Wissinoming St.
Philadelphia, Pa. 19135

District Paper Stock Co., Inc. — Murray Kay
2115 Bryant St. N/E
Washington, D. C. 20018

[redacted]

Donnelley & Sons, Co.
2223 South Parkway
Chicago 16, Illinois

Dreyfuss Paper Stock Co. — Don Hofacker
847 E. Crosstown Parkway
Kalamazoo, Michigan 49006

KA05800164

KA05800164

Elam Paper Converters, Inc.
Allegan, Michigan

Empire Trading Corporation Don Silverstein
49 Summit Ave.
Summit, New Jersey 07901

[redacted]

KA05800165

KA05800165

BO

Federal Paper Stock Co. 4810 McKissock Ave. St. Louis, Missouri 63147	Gene Cherak
Fibres, Incorporated 1200 Harger Rd. Oak Brook, Illinois 60521	Bob Kennedy
Fisher-Graff Iron & Metal Co. 516 East North St. Kalamazoo, Michigan	Herman Fisher
James Flett Organization, Inc. 20 North Wacker Drive Chicago, Illinois 60606	
Fort Wayne Waste Paper Co. 2700 Dwenger Avenue Fort Wayne 2, Indiana	Jack Winter
Friedland Iron & Metal Co. 302 East Maple St. Lansing, Michigan 48905	Bernard Friedland

KA05800166

KA05800166

Gaby Iron & Metal Co. 26th St. & East End Avenue Chicago Heights, Ill.	Lou Gaby
General Mill Supply Co. 189 Vinewood Ave. Detroit, Michigan 48216	Milton Rotenberg
General Paper Stock Co. Seventh Carr Street St. Louis, Missouri 63101	Harold Tourville
J. Golpher & Co. 425 S. Bound St. PO Box 771 Appleton, Wisconsin	
S. Gordon & Sons, Inc. 1727 S. Stewart Ave. Chicago 16, Illinois	Ben Gordon
Great Lakes Paper Fibres Inc. PO Box 663 Buffalo, New York 14240	Owen Murray
Greenspon Paper Stock Co. 608 E. 40th St. Chicago, Illinois	
Grossman & Sons, Inc. 1960 South Fourth St. Columbus, Ohio	

KA05800167

KA05800167

Huron Paper Stock
2534 Fulton St.
Chicago 12, Illinois

[redacted]

KA05800168

KA05800168

International Cellulose, Inc.
520 North Michigan Ave.
Chicago, Illinois 60611

Gerard Moran

KA05800169

Perry H. Koplik & Sons, Inc.
654 Madison Ave.
New York, N. Y.

Krell Paper Stock Co. Robert Krell
580 Burton St. S/W
PO Box 7013
Grand Rapids, Michigan 49507

KA05800170

KA05800170

From the desk of
L. R. SCOTT

Lansky Sons & Metz
1100 N. Main St.
Ann Arbor, Mich

KA05800171

KA05800171

Levine Waste Paper Company 1000 Stephenson Bldg. Detroit, Michigan 48202	
Liberty Scrap Material Inc. 1258 Knowlton St. Cincinnati, Ohio	Ted Liebowitz
S. Lisner & Sons 417 W. Liberty Cincinnati, Ohio	Stanley W. Lisner
Lissner Paper Grading Co. 1050 N. North Branch St. Chicago, Illinois 60622	Myer Lissner

KA05800172

KA05800172

Martin Brothers
289-299 Hinkley Street
Benton Harbor, Michigan

Mead Pulp Sales, Inc.
200 Park Ave.
New York 17, N. Y.

Melrose Paper Company, Inc.
16th & Wood Sts.
Philadelphia 2, Penna.

Meredith Printing
Box 1394
Des Moines, Iowa 50308

Mervis Iron & Metal Co.
329 East Harrison St.
Danville, Illinois

Michigan Paper Stock — Herb Zimmerman
29350 Southfield Rd.
Southfield, Michigan 48075

Monroe Scrap Material Co.
1204 E. 3rd St.
Monroe, Michigan

[redacted]

KA05800173

KA05800173

Niles Waste Paper Co.
853 North Front St.
Niles, Michigan 49120

Bernard Berman

North American Paper Co.
PO Box 7812 - Station G
Columbus, Ohio 43207

North Shore Waste Paper Co., Inc.
53 Jefferson Ave.
Salem, Massachusetts

KA05800174

KA05800174

The Oco Waste Paper Co.
311 Prospect Ave.
Cleveland 15, Ohio

C. H. Oscarson & Co.
466 Center Avenue
Northfield, Illinois 60094

Fred Oscarson

KA05800175

KA05800175

Penn Paper & Stock Co.
1112 Washington Ave.
Philadelphia 47, Penna.

Pennsylvania Paper Stock Co.
2737 Penn Ave.
Pittsburgh 22, Penna.

Peoples Iron & Metal Co. — Harold Dray
5831 South Loomis Blvd.
Chicago, Illinois 60636

Pioneer Paper Stock Co. — Ray Frainey
900 N. Ogden Ave.
Chicago, Illinois 60690

Pioneer Paper Stock Div. — Charles Kupferschmidt
Container Corporation of America
333 Lycaste
Detroit, Michigan 48214

Pioneer Paper Stock Co. — Harry Lisk
419 East Frank St.
Kalamazoo, Michigan 49007—
(Lima - send to Kzoo)

KA05800176

KA05800176

Riverside Industrial Materials Co. Geo. Silver
214 South 35th St.
PO Box 771
Bettendorf, Iowa 52722

[redacted]

Rothenberg Brothers & Co., Inc.
9525 Woodland Ave.
Cleveland, Ohio 44104

Royal Paper Stock Co. Jack Bauer
700 Bryden Rd.
Columbus 15, Ohio

KA05800177

KA05800177

Sabco International Corporation
2330 Westwood Blvd.
Suite 205
Los Angeles 64, Calif.

Sanders Paper Stock Co.
814 S. 14th St.
Louisville 10, Kentucky

✓ Sangamon Paper Grading Co., Inc. Abe Cohen
2600 W. Roosevelt Rd.
Chicago, Illinois 60608

The Shamrock Co. Wm. Firestone
No. 1 Convent St.
St. Louis, Missouri 63104

✓ J. Solotken & Co., Inc. Harry Katz
101 South Harding St.
Indianapolis 6, Indiana

✓ Southeastern Paper Stock Co. James Gleeson
1575 Line St.
Decatur, Georgia 30032

Standard Paper Grading Co.
6229 South Hoyne Ave.
Chicago, Illinois 60636

✓ Stern Waste Paper & Iron Co. George Stern
Post Office Box 43
Racine, Wisconsin

The I. V. Sutphin Co. James Johnston
2015 Union Central Building
Cincinnati, Ohio 45202

✓ [illegible] Co. Cassidy
[illegible]
[illegible], Alabama 34233

KA05800178

KA05800178

Tension Envelope Corporation
19th & Campbell Street
Kansas City, Missouri 64108

Thomas Paper Company — George Brown
100 E. Ohio St.
Chicago, Illinois 60611

Thomas Paper Stock Co.
351 Helen St.
Otsego, Michigan (Send to Chicago)

The Toledo Paper Stock Co.
1309-19 LaGrange St.
Toledo, Ohio 43608

Tower Transit, Inc.
1455 South Newberry
Chicago, Illinois 60608

KA05800179

KA05800179

U. S. Paper Supply Company
600 South Michigan Ave.
Chicago, Illinois 60605

Urbana Paper Stock Co.)
322 West Court St.)
Urbana, Ohio 43078)

Maurice Schnecter

SEE NORTH AMERICAN

Send All Correspondence to:
Urbana Paper Stock Company
Box 4336, Station "G"
Columbus 7, Ohio

[redacted]

KA05800180

KA05800180

Victor Mill Supply Company
6 North Michigan Ave.
Chicago, Illinois 60602

Jerry Berensweig

Von Hoffmann Press, Inc.
1000 Camera Avenue
St. Louis, Missouri 63126

KA05800181

KA05800181

Waste Paper Utilization Council
122 East 42nd St.
New York, New York

Weisman Brothers Co. — Max Weisman
1811 Lake Street
Kalamazoo, Michigan

West Coast Paper Stock, Inc. — Sidney Michelson
2211 East Washington Blvd.
Los Angeles 21, Calif.

West Pullman Iron & Metal Co.
11954 South Peoria St.
Chicago 43, Illinois

Winter Paper Stock Co. — Ken Winter
3800 St. Clair Avenue
Cleveland 14, Ohio

KA05800182

KA05800182

M. P. Zaransky & Sons
5807 South State St.
Chicago 21, Illinois

Howard Zuker Associates
166 East Superior Street
Chicago, Illinois 60611

Frank Vantreporte

[redacted]

KA05800183

KA05800183

SUPERIOR COURT OF NEW JERSEY
LAW DIVISION: UNION COUNTY

H.M. HOLDINGS, INC.,
THE GLIDDEN COMPANY & SMITH
CORONA CORPORATION,

Plaintiffs,

-v- Docket No.: L-96187-87
VOLUME II

LUMBERMEN'S MUTUAL CASUALTY
COMPANY, et al.,

Defendants.
_____/

The continued deposition of ULYSSES STOEFFLER taken before Sheryl Bussinger, (CSR - 1441), Certified Shorthand Reporter and Notary Public, at 2615 Bronson Boulevard, Kalamazoo, Michigan, on March 10, 1992, commencing at 1:00 a.m., pursuant to notice.

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Washington, D.C. 2006-4793

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EXHIBITS PAGE

Exhibit 1 - 3-4-92 Fax from James Pinderski to Wendy Anderson 82

Q And what was your function at de-inking in the King Mill at that time?
A Well, I was -- I was the head of the de-inking mill at one time. I can't remember exactly when this came about, but --
Q By head, do you mean supervisor?
A Yes, ma'am.
Q Okay.
A I was the top man in the de-inking mill.
Q For how many years did you hold that position at King?
A I was afraid that you would ask that. I really don't know. I really don't know.
Q Okay.
A I would say that it was a few years. I can't recall exactly how long.
Q To whom did you answer when you were supervisor of de-inking at King Mill?
A Well, first and foremost, I answered to the general superintendent of the mill, which is Joe Dennany -- not Joe Dennany, no, Bud Horrocks. Harry Horrocks is his real name.
Q As supervisor of the de-inking mill at King, what were your duties?
A Well, they were kind of many fold. I would take care of -- first I had personnel. I had personnel working

under me I can't recall how many, maybe ten or more. And I had to supervise them and then as the time would come, why, I would see about some quality control as far as the incoming paper stock was concerned.

Q And as you supervised quality control for incoming paper stock, was there anything different about what you were looking for than what you described for us the first time that you were at King and you were involved with some quality control?

A Oh, yes, it always changed because these rascals, I mean, that send you the paper, the stock, you know, they can change -- they can change contaminants. They had God awful, I mean, means of changing the paper stock for plastics and non-, oh, I'd say chrome coated. That was typical of that, I mean, some materials in it that would not break up in the de-inking process.

Q Do you know, sir, when you received this wastepaper so that it could be de-inked, do you know how that procurement was done of that paper?

A Our purchasing department.

Q Did that involve you?

A Sometimes, yes. I mean, if there would be something in the paper stock that was objectionable, they would bring it to me and I would reject it. Well, we might reject a whole car load sometimes.

Q Did you have -- did you, I mean Allied, have a description of the type of paper, wastepaper stock that you wanted that you gave to the suppliers and they were supposed to conform to that?
A Yes, we did.
Q How did you describe what you wanted?
A Well, we had -- we'd have a list. Of course, we'd have to keep that up-to-date all the time because it would change, I mean. These guys would change, I mean, the raw materials that they would bring in and so we'd have a list that would be for Bolton, you know, and --
Q Well, other than -- I'm sorry.
A And we listed that.
Q Other than having a list of things that you would not find acceptable, did you also have a list or description for what you did consider acceptable for wastepaper stock?
A No, no, you don't do that really.
Q It's just whatever paper they send to you minus the unacceptable list?
A Yeah, we got paper stock from Chicago and Detroit and some other places in the Midwest that were our principal sources and I made -- I made trips to all of these suppliers, not all of them but, I mean, I'd say maybe once or twice a year I'd make a trip to the suppliers

and give them hell for what they were sending us, tell them what they couldn't send to us because, you know, those guys are crafty.

Q Did you have carbon paper on your list of paper not to be sent?

A You mean carbon paper, you're talking about the one time carbon or are you talking about the carbonless?

Q Right now I am talking about the carbon paper meaning one time.

A That you put in office supply?

Q Yes. Was that a problem paper for de-inking?

A Yes.

Q And what were the other problem papers generally?

A Oh, heavens, I can't enumerate them all, but they were some glossy inks were not -- were no good and, oh, heavens, ma'am, I'm sorry, but I can't enumerate them all right now, but principally it was -- it was the stuff that you all see in your magazines, you know. Magazines have changed and they put in plastic and they put in every kind of material in the pages and that's no good so we'd have to tell them -- we'd update our list whenever we'd go to our suppliers. We'd go there for some specific reason sometimes.

Q When did you first become aware of a product called no carbon required paper or the National Cash Register

carbonless paper, that product?
A I can't recall. But for a long time, I mean, when I was in the de-inking mill, yes, you could tell it by the smell.
Q At the time you were in the de-inking mill at King, was that no carbon required paper one of the papers on the verboten list?
A Yes, ma'am. You have got to be specific. You mean the National Cash Register are you talking about?
Q Yes. Is that what you were talking about?
A Yes, NCR.
Q Yes. Okay. And what were the problems with the de-inking operation that were caused if you went ahead and used the NCR paper for de-inking?
A Well, I could say that we never used it, but it would just show as a contaminant and when you would pulp it up, why, I mean, into a hand sheet, that's what we call a hand sheet, which is something that you just made -- pulped up the paper and then you put it into a filter and just got the carbon mat -- I mean got the paper mat and you could easily tell it by putting it up to a light or sometimes you could just look and tell there were specials in there that were from some kind of contaminant.
Q When you were the supervisor of the King de-inking

operation, how were the instructions given to the paper sorters in terms of what paper they should pull out as unacceptable or verboten paper?

A Well, I'll tell you one time we had about four women on the line that would -- we had -- we had paper -- paper would come up where they'd dump it onto this traveling belt and at that point they would look through it, page through it and they could -- they would take out the contaminant and we'd tell them ahead of time or if something came up that they didn't know about, they would ask us.

Q So they were trained by the company?

A Of course.

Q Who was their -- I'm sorry.

A By the way, I mean, aside, well, we got a lot of stamps that were not canceled and I kept our family in stamps for quite a while.

Q All right. Who was the or what position was the immediate supervisor over the sorters?

A Well, we had one supervisor that was in the sorting room and we had three of those. One was -- I can't remember all of them right now, but they were responsible to me, but they would take care of -- I mean, see about the women or would update our, I mean, the contaminant paper that would he verboten or so forth and we had one on

each tower. I mean, I have to explain tower means shift.

Q From time to time, you added types of paper to the verboten list?

A Oh, yes.

Q As you learned about additional problems?

A Surely.

Q Did you ever take paper that was on the verboten list that was known to be unacceptable to you and change your mind about it and decide it was acceptable?

A Well, you have to understand how we would determine this. It depends upon what it is, if it is, I mean, glossy inks and so forth like that, if it wasn't a very -- a particular grade.

Q With regard to the NCR paper that was on the unacceptable or verboten list, did your opinion of that ever change so that it became an acceptable paper for de-inking?

A No, ma'am, not to my knowledge.

Q In addition to the de-inking operation at King, did you supervise any of the other operations during that second assignment there?

A Not really, no. I was -- I was in charge and responsible for the de-inking operation. That went from the raw stock to incoming paper all the way down to the

finished product of the DI stock. That went through screens and cleaning and screening and everything else like that.

Q By the time that you returned to the King Mill for this second assignment there, had the clarifier been placed in operation?

A Oh, yes.

Q And during that period at King Mill, the second time you were assigned there, did the waste water and waste liquids and effluent from the King Mill, did that all flow to the clarifier?

A Yes, ma'am.

Q And was the system --

A I mean, not directly, of course, but, I mean, ultimately, yes, sure.

Q So it was piped to a central location and then piped into the clarifier --

A Yes, ma'am.

Q -- everything from the King, all right.

A It is cold up there. It's cold as hell up there on those clarifiers in the wintertime. Man, oh, man, you think it's cold here, you ought to stand on top of a 110-foot clarifier and have the wind blow because usually that's up high. You were up 15 foot high at least.

Q Where was the sludge from the King clarifier pumped to? Were there sludge beds somewhere?
A Yes, ma'am.
Q Where were they?
A They were, I mean, adjacent and to the -- well, sometimes they were a little distance away, but, I mean, you know, when we needed more room for sludge beds, why we'd have to make some new ones. And they went all the way out to -- oh, I can't recall exactly the street, but it went quite a ways, you know. Lake Street curves around there and there were sludge beds there, too.
Q Now you described for us yesterday how the clarifier worked that was situated at the Monarch Mill. Can you tell us, sir, whether the clarifier at the King Mill worked in the same manner?
A Yes, ma'am, they were all what we called Dorr clarifiers, Dorr thickeners or Dorr clarifiers, D-O-R-R.
Q Dorr being the manufacturer?
A Yes, ma'am.
Q Was the effluent monitored at the King clarifier by use of a weir for flow?
A Oh, yes.
Q Was it also monitored for quality by testing between the point where the weir was located and the clarifier?
A You mean influent or effluent?

R. M[illegible]evy

W. D. Harrison

1958 & 1959												
12/29	100,100	6,050	120,900		6.90						226.3	69.7
12/30	96,500	5,900	97,500	26,200	6.50						224.9	70.3
1											183.9	71.8
											186.3	70.2
											164.4	67.2
			MILL DOWN									
	98,300	6,005	109,200	26,200	6.70						197.1	69.8

NOTE: King tank drain valve open every day except Monday.

29	92,100	5,960	63,400		5.84	21,400	0		--		138.7	71.2
12/30	97,800	6,650	58,300	18,630	5.59	18,650	0	11,390	--	--	128.0	69.8
12/31					8.55						123.9	65.1
1/1					~~8.55~~						147.6	67.1
1/2					6.00						172.6	66.4
1/3			MILL DOWN									
	94,950	6,305	60,850	18,630	5.19	20,025	0	11,390			142.2	68.0

SCM CONFIDENTIAL

5A 035108

R. M[illegible] vy

W. D. Harrison

SCM CONFIDENTIAL

1958								
12/22	71.500	6,500	127,800	6.50			221.3	70.6
12/23				6.50			254.6	64.0
		DOWN		--			53.6	69.8
		DOWN		--			--	--
				6.92			195.1	69.8
				6.84			228.7	71.2
	71.500	6,500	127,800	6.69			190.6	69.1
2	89,800	10,900	78,800	5.56	18,500	0	144.3	68.1
12/23				5.75			149.4	71.7
12/24		DOWN		--			--	--
12/25		DOWN		--			--	--
12/26				5.50			165.8	69.4
12/27				5.53			99.4	73.8
	89,800	10,900	78,800	5.58	18,500	0	139.7	70.8

85163

R. M[illegible]vy

W. D. Harrison

**

1958										
12/15	98,000	7,300	111,000		7.00	173,500	18,100			211.
[illegible]	109,700	7,880	122,500	40,500	7.00	121,300	14,880	53,800		226.
	113,000	11,280	127,000	44,800	6.92	88,100	5,180	37,800		231.
	108,500	9,190	139,200		6.68					247.
	82,200	7,850	135,500		6.50					213.
					6.50					153
	102,300	8,700	127,040	42,650	6.77	127,600	12,720	45,800		214

** spot samples--at King poor waste treatment operations cause the exceptionally high results.

5	105,800	6,770	87,400		5.24	28,000	328		153.3	71.3
12/16	99,100	9,125	85,000	40,800	6.00	29,000	1,000	24,600	182.4	71.8
12/17	94,000	10,150	59,400	33,000	5.94	19,800	618	19,050	172.0	73.8
12/18	89,000	9,450	72,400		5.80	7,740	0		178.0	71.4
12/19	100,500	8,910	73,100		5.48				154.2	69.2
12/20					4.69				50.1	73.2
	97,680	8,880	75,460	36,900	5.52	21,140	486	21,825	146.8	72.3

SCM CONFIDENTIAL

SH 035118

1959												
12/8	98,600	9,860	116,000		6.16	60,300	0		38.0			
12/9	[illegible]	[illegible]	107,200	[illegible]	[illegible]	55,500	0	[illegible]	[illegible]	0.3		
5	[illegible]	[illegible]	138,500	[illegible]	[illegible]	18,800	0	26,800	[illegible]	[illegible]		
1					[illegible]							
2					[illegible]							
13					[illegible]							
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		

Note: Bypassing at both mills. Effluent samples are spot samples.

8	118,000	8,950	70,800		5.66	13,500	0		43.3		182.5	[illegible]
12/9	120,500	[illegible]	100,000	25,000	[illegible]	16,500	1,250	[illegible]	81.7	12.8	180.1	[illegible]
12/10	[illegible]	[illegible]	82,500	25,050	[illegible]	[illegible]	0	[illegible]	88.3	[illegible]	[illegible]	[illegible]
12/11	109,300	10,200	79,500		5.96						[illegible]	[illegible]
12/12					5.96						[illegible]	72.
12/13					5.95						[illegible]	[illegible]
	114,500	[illegible]	83,220	[illegible]	5.92	24,670	417	19,050	[illegible]	23.7	175.9	74.

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1958												
12/					--							
					--							
					5.12							
	114,500	7,650	120,800	48,000	7.65	62,400	0	26,700	45.5	42.5		
	100,900	6,950	129,900		7.07	52,500	0		47.9			
					7.07							
	107,700	7,280	125,850	48,000	6.72	57,450	0	26,700	46.7	42.5		

Note: Mill waste bypassing at each waste tank.

1	112,500	13,450	75,700		5.67						151.6	74.9
12/2	124,200	8,010	82,400	40,600	5.82	11,650	0	26,100	90.6	65.6	166.8	74.0
12/3	131,200	11,270	98,500	54,000	6.21	14,000	779	30,000	66.6	11.8	175.9	72.2
12/4	107,300	10,420	83,400	38,400	6.25	25,950	1,820	18,100	66.6	52.7	173.9	72.2
12/5	108,900	6,860	109,000		6.22						174.1	75.3
12/6					6.28						196.0	74.3
	116,820	10,005	89,800	57,670	6.08	30,530	866	24,730	74.6	53.4	173.0	73.5

EX 035112

SCM CONFIDENTIAL

1958											
11/24	66,500	7,630	58,700		4.69	13,300	0		79.8	79.7	12
11/25			58,100		4.65	26,000	0	18,450		54.0	1.
					4.69					--	18
					4.69						2
					4.49						1
					4.49						2
	66,500	7,630	58,400		4.62	19,650	0	18,450	79.8	66.8	174.3 69.7
			Note: Bypassing as usual!								
	141,100	14,820	94,800		7.11	31,950	0		77.3		181.0 75.2
11/25	82,300	6,910	50,970	23,900	5.10						181.2 72.3
11/26					5.80						162.1 72.7
11/27					5.80						182.9 75.3
11/28					5.56						163.6 71.2
11/29					5.56						162.4 75.6
	111,700	10,865	72,885	23,900	5.82	31,950	0		77.3		172.2 73.7

SH 855113

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1958												
11/17	115,300	10,600	103,500		7.7+	31,350	0		67.5		47.6	
					5.05						52.7	
	71,500	6,660	70,+00	24,000	+.83	29,000	0	11,650	59.4	39.2	6.7	
	58,900	5,230	76,700	22,350	4.49	20,950	0	11,790	61.4	4+.0	79.7	
	107,600	6,075	51,+00		+.50							
					+.36							
	78,+20	7,141	77,000	2+,180	5.27	27,100	0	13,220	6+.8	+1.1	+6.7	

Bypassing - King - A lot continually
Bryant - ~~Occasionally~~

.7	106,200	9,910	76,500		5.40						189.6	73.6
11/18	11+,600	9,040	118,700	33,750	6.19	3+,000	0	28,800	70.2	14.6	163.1	73.1
11/19	112,000	7,760	94,900	28,250	6.00	46,100	1,500	25,900	59.0	8.3	184.1	72.5
11/20	103,200	9,210	98,+00	34,300	5.90	42,300	1,965	23,500	59.2	31.5	176.1	75.0
11/21	127,100	9,830	103,000		5.89	36,300	1,225				190.3	75.7
11/22					6.00						226.9	71.1
	112,650	9,150	98,300	32,100	5.90	39,700	1,172	26,070	62.8	18.1	188.1	71.0

1958													
11/10					6.61						48.3	173.3	70.4
	130,000	12,800	119,000	34,000	7.15						65.2	183.0	70.5
	108,700	12,680	88,400	25,950	7.07	17,200	0	20,700	57.1	20.2	47.1	125.6	68.8
	121,800	11,770	75,300		7.23	62,600	0		48.5		50.1	155.5	68.8
	119,200	16,580	120,800		7.23	45,700	0		61.7		29.6	186.1	70.3
					--								
	119,900	13,460	100,900	29,980	7.06	51,800	0	20,700	55.8	20.2	48.1	164.7	69.8
11/10	85,000	7,490	67,600		5.80	19,800	0		76.7			167.6	71.1
11/11	105,200	9,020	91,000	30,750	6.25	18,750	0	20,500	82.2	33.3		164.6	73.6
11/12			77,200		6.86	33,200	572	21,200				178.3	74.0
11/13	167,000	14,250	74,500		6.63	47,500	1,935		71.3			177.5	71.4
11/14	101,500	10,000	89,300		6.69	37,900	1,950		62.8			177.4	68.9
11/15					6.60							198.3	73.3
	114,680	10,495	79,920	30,750	6.47	31,430	891	20,850	73.2	33.3		177.3	72.0

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SH 035115

1958													
11/3	82,400	6,500	107,000		6.76	58,700	0		28.8		12.5	179.1	67.8
11/4			123,300		7.40	22,200	0	33,600			47.3	179.3	70.0
					0.90						29.1	198.9	69.2
	85,000	10,700	76,800		5.58	22,350	0	16,100	73.9	35.6	--	161.2	66.6
					5.88						--	216.4	70.0
					--						--		
	84,000	8,600	102,400		5.30	34,420	0	24,850	51.4	35.6	29.6	187.0	68.7
	125,000	12,610	88,600		6.44	16,100	0		87.1			161.9	77.8
11/4	118,500	6,820	86,600	34,400	6.28	18,850	0	24,500	84.1	29.5		177.6	77.8
11/5	127,500	11,400	85,600	39,000	6.22	49,750	1,555	24,400	61.0	37.4		176.3	78.2
11/6	135,500	8,820	88,300	40,200	6.61	50,200	1,925	27,400	62.9	31.8		169.6	71.9
11/7												166.6	73.8
11/8					--							62.2	74.0
	126,000	9,910	87,300	37,900	6.37	33,700	8700	25,400	73.8	32.9		152.1	76.0

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SH 835118

1958													
10/27	102,700	8,830	114,200		6.23	21,800	0		78.8		10.0	151.4	72.3
10/28	85,300	9,180	77,600	27,300	5.17	16,800	0	20,700	80.3	24.0	0	177.8	74.3
9			100,000		6.16	30,800	0	23,350			15.4	201.4	74.3
0	78,000	4,880	90,800	29,200	5.31	19,490	0	23,900	75.0	18.2	0	208.7	71.6
1					6.84						0	212.1	75.3
					--								
	88,700	7,630	95,650	28,250	5.94	22,150	0	22,650	78.0	21.1	--	190.3	73.6
27	108,900	9,340	86,300		5.74							178.0	71.9
10/28	100,000	5,930	63,880	27,400	6.05	22,200	0	20,700	77.8	24.5		165.4	74.6
10/29	94,600	8,650	81,500	33,250	6.11	26,500	1,018	21,900	72.0	34.0		146.0	74.1
10/30	107,900	9,420	89,000	32,000	6.10	22,900	763	29,400	78.2	9.5		166.7	74.6
10/31												162.6	62.7
11/1					--								
	102,850	8,335	80,150	30,880	[illegible]	23,870	594	24,000	76.0	22.7		163.7	[illegible]

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5H 035117

[illegible]	30,000	[illegible]	7,800		.57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]			89,[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	257	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]			
[illegible]					.58					[illegible]
[illegible]	105,000	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]			[illegible]
10/[illegible]										
	121,100	[illegible]	[illegible]150	35,150	[illegible]	[illegible]	678	[illegible]	[illegible]	[illegible]

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[illegible]												
[illegible]					5.05						1.6	[illegible]
[illegible]		[illegible]	128,020	[illegible]	[illegible]						[illegible]	[illegible]
[illegible]												
6	[illegible]	12,[illegible]	[illegible]	[illegible]	4.50						[illegible]	
					[illegible]						[illegible]	
[illegible]					--						[illegible]	

* Drain valve [illegible] higher influent [illegible]

[illegible]			[illegible]		6.18	[illegible]	0				[illegible]	[illegible]
[illegible]		8,850	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]		[illegible]	[illegible]
[illegible]												
10/16	[illegible]	[illegible]	[illegible]	28,200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21.8	169.[illegible]	[illegible]
10/17					--						15[illegible].1	69.
10/1[illegible]											155.0	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	79.6	[illegible]	[illegible]	[illegible]

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1958										
10/5	[illegible]	[illegible]	[illegible]		[illegible]					
[illegible]										
[illegible]										
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]					
[illegible]										
[illegible]										
[illegible]			[illegible]	[illegible]	[illegible]					
[illegible]										
[illegible]/6			[illegible]		[illegible]	[illegible]				
10/7			[illegible]		[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
10/9	106,300	5.920	[illegible]	[illegible]	6.[illegible]				[illegible]	[illegible]
10/10	[illegible]	[illegible]	81,000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10/11					[illegible]					
	102,030	[illegible]	[illegible]	[illegible]	6.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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1958

9/29	10[illegible],500	13,600	120,500		7.40	37,000	0		64.6		23.7	185.8	66.8
9/30	142,000	16,050	142,000		7.40	48,700	0		65.8		37.9	205.4	67.[illegible]
	113,000	13,850	83,600		6.92	37,750	0	26,000	68.4		27.2	196.8	66.8
2	122,000	13,400	93,100	35,200	6.99						24.8	170.6	66.1
3	92,000	11,200	89,100		6.89						9.1	148.9	68.1
4					6.89						9.4	160.5	65.7
	114,700	13,620	105,660	35,200	7.08	41,150	0	26,000	66.3				
											25.2	178.0	66.9
										10/5	41.5		
29					6.23	27,550	0					171.4	67.3
9/30			90,000		6.00	15,500	0					176.2	67.7
10/1			70,300	39,500	6.75	48,400	2,735	25,100		36.3		160.3	65.5
10/2			84,00		6.73	46,000	1,405	26,750				151.6	69.1
10/3			73,700		6.31	30,000	1,050					144.9	67.2
10/4					6.32							152.1	68.8
			79,500	39,50[illegible]	6.[illegible]1	[illegible]	1,040	25,925		36.3		159.6	67.7

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5A 035121

SCM CONFIDENTIAL

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02512

...ARY — WASTE TANK TESTS

To: [illegible] Nelson — cc: C. A. Littlefield, O. A. Towne, [illegible]field, R. Bell, V. [illegible]
From: Wayne Kendrick — [illegible] [illegible], [illegible] [illegible], [illegible] [illegible], [illegible] Bruenger, D. Halvey
[illegible] [illegible]

Date 1958	Influent (gpd)			Flow (gpm)	Gas		Removal % Efficiency		Waste Denver Tons	Paper Ingr... Kappa	...
		Fiber	Solids				Solids	BOD			
9/22			91,300	7.32	22,600	0			25.8	152.1	71.
9/23			74,200	4.57	19,400	0			57.0	167.5	70.
9/24	151,000	14,600	92,400	7.15	31,000	0	76.4		40.3	165.9	71.
9/25	145,300	24,750	118,000	7.07	46,500	0	66.7		34.0	181.9	65.
9/26			108,000	7.20	27,600	0			10.9	142.9	78.
9/27				6.99					--	189.1	66.
	157,150	19,680	95,580	6.72	29,420	0	71.5		35.6	166.6	70.
9/22	103,800	8,680	86,900	5.95	38,200	1,190	66.4			182.1	79.
9/23			66,720	6.67	31,200	835				164.5	71.
7/24	111,300	9,910	102,000	6.11	56,150	1,020	67.5			154.1	73.
9/25	0--	8,350	76,900	6.16	50,300	2,440				159.3	66.
9/26	...,300	6,840	110,200	6.30	42,500	2,630	47.9			167.3	67.
9/27				6.39						96.3	67
	107,600	8,845	88,540	6.26	39,670	1,683	60.6			155.9	71
ABC Order					[illegible]						

[illegible]

[illegible] WASTE TANK TESTS

To: Harley Nelson
From: Wayne Kendrick

cc: G. A. Littlefield, H. E. Johnston, J. H. McClure, C. A. Towne, J. J. Gilman, A. M. Mulder, H. Field, [illegible], S. Stein, R. Bell, B. Buenger, D. Salvay, V. [illegible]

KING DIVISION

Date 1958	INFLUENT (#/day) Sus. [illegible]	Fiber	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. [illegible]	Fiber	[illegible]	Removal % Efficiency Solids	BOD	Waste Paper Input Denver Tons	Laguna Tons	% [illegible]
9/15	150,000	12,400	110,800		6.99	50,900	0		[illegible]		45.2	170.0	81
[illegible]	[illegible]	[illegible]	101,500		[illegible]	[illegible]	0		[illegible]		[illegible]	[illegible]	[illegible]
	[illegible]	10,[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]
[illegible]			115,700		6.61	[illegible]	0				[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	75,100		6.09	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	70
					[illegible]								
	[illegible]	[illegible]	[illegible]		[illegible]				[illegible]		[illegible]	[illegible]	[illegible]
								[illegible]					
15	206,[illegible]	16,800	105,500		6.0[illegible]	[illegible]	0		96.[illegible]			[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]										
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]				[illegible]			[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	120,500		[illegible]	[illegible]	[illegible]		[illegible]			[illegible]	[illegible]
9/19	150,000	[illegible]	105,000		6.15	-	[illegible]					147.1	78.
9/20					6.30							[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	100,100		6.24	[illegible]	[illegible]		[illegible]			[illegible]	77.
[illegible]						[illegible]		11,[illegible]					

200 Mesh

SCM CONFIDENTIAL

CONFIDENTIAL SCM

To: Buck Nelson — Littlefield — Lucas — Reid — R Bell — V

From: Wayne Kendrick — Johnston — Williams — Pennington — B Buenger — D Harvey

Road Mix Stop

Date 1958	Weight of Mixes				Pressure				Percent Compaction		Water Content, lbs.		
											Uncured	Cured	
9/8	90,900	8,950	99,200		6.61	25,700	0		73.0		48.0	138.4	68.5
9/9			70,100		6.02	18,520	0	13,850			47.7	90.8	69.5
					5.72						43.2	101.5	76.0
					5.95						65.1	122.0	81.0
2	116,500	15,050	106,700		6.75	33,050	0		71.1		68.0	162.0	81.8
3					6.69						43.1	161.7	83.2
	103,650	11,000	93,000		6.29	25,090	0	13,850	72.5		52.5	129.4	77.2
8	126,000	14,520	70,600		6.52	23,900	0		81.4			158.0	71.0
9/9	112,000	7,180	88,400	25,800	5.30	30,550	0	11,680	72.8	59.1		191.2	77.2
9/10					5.33							197.1	78.8
9/11	126,000	10,090	108,200	39,000	6.04	53,800	3,020	26,500	57.8	32.0		178.2	80.3
9/12			95,600		5.87	52,500	2,080						
9/13					6.00							109.6	72.8
	122,700	10,600	90,700	37,400	5.84	40,190	1,275	20,590	70.7	45.5		167.5	76.6
WRC Order						76,500		11,100					

Road Mix

SH 035124

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							Waste Paper Input Tons*	Waste Paper Input % Book **
9/1				-- Mill Down--			--	--
9/2				-- Tank Down--			150.0	67.5
				--Tank Down--			182.2	69.6
				--Tank Down--			241.1	68.6
				--Tank Down--			206.0	71.3
				--Tank Down--			180.7	69.2
							192.0	69.2

*Including Denver

**of regular deinked system.

1				--Mill Down--				
9/2	101,000	8,850	75,800	6.07	24,300	0	171.4	70.1
9/3	127,000	10,070	103,200	6.19	20,100	0	186.8	69.2
9/4	113,500	11,500	89,100	6.27	22,700	785	193.6	70.2
9/5	92,700	9,030	86,600	5.70	26,600	595	196.0	69.3
9/6			75,000	6.30	23,000	0	139.2	74.1
	109,800	9,860	85,940	6.11	23,340	276	177.4	70.6

SCM 031525

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									Waste Paper Input	
									Tons	% Book
8/25	83,100	15,400	72,000		6.16	22,100	0		144.7	66.3
8/26	122,800	17,400	107,500	28,950	6.79	75,400	0	23,300	117.3	70.1
27	147,000	15,150	104,700	36,100	6.61	67,700	0	31,600	188.6	69.1
28	112,800	15,850	106,100		6.79	43,500	0		165.3	68.5
29					6.50	55,200	0		133.8	65.2
30									161.9	68.4
	116,400	15,950	97,570	32,520	6.53	56,780	0	27,450	156.9	68.0

Does not include Denve

8/25			73,600		5.19	22,950	0		182.8	69.3
8/26	98,400	8,150	76,500	27,600	6.12	37,150	1,148	14,750	175.3	69.1
8/27	65,000	5,280	70,400	21,950	6.04	36,200	1,510	16,080	161.9	69.6
8/28	84,500	11,700	63,750		6.38	18,600	1,328		129.3	70.6
8/29	131,500	13,200	--		6.34	35,400	0		162.4	69.8
8/30									179.2	70.3
	94,850	9,580	71,060	24,750	6.01	30,060	797	15,420	165.2	69.8

EH 035139

SCM CONFIDENTIAL

35

13,360

SH 855122

									Waste Paper input tons Total	% Book
8-11					5.84				219.2	58.4
8-12			43,500		[illegible]	[illegible],000	0	[illegible]	188.5	[illegible]
[illegible]	83,600	9,750	102,000	32,800	5.10	32,700	0	17,000	136.4	76.4
[illegible]					5.65	[illegible]	0	16,100	169.7	63.3
[illegible]	89,200	13,220	80,200	22,600	[illegible]	[illegible]	0	13,100	180.2	[illegible]
[illegible]					[illegible]	[illegible]	0		107.1	[illegible]
	86,300	11,485	75,200	27,800	[illegible]	[illegible]	0	12,870	166.9	69.0
8-11	111,500	14,600	83,700		6.48	29,700	0		179.0	68.9
8-12	109,700	9,310	94,100	33,800	6.10	15,250	0	20,000	191.5	69.3
8-13	96,300	11,600	65,500	40,600	6.49	14,050	0	[illegible]	172.6	[illegible]
8-14	82,100	14,400		75,150	6.10	17,050	1,055	11,350	165.8	71.0
8-15			64,800		6.56	40,500	1,912	20,700	108.4	70.5
8-16					6.40	18,100	0		109.1	70.5
	99,900	12,480	82,280	33,180	6.40	22,440	495	18,180	155.4	69.9

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									Waste Paper Input Tons	Waste Paper Input % Book
8/4	76,800	8,790	106,500		6.39	27,650	0		107.5	55.5
8/5	79,800	6,720		36,700	6.16	21,500	0	25,000	187.9	67.8
5					6/16				178.1	64.7
7	85,100	5,760	107,500	29,400	6.02	17,010	0	18,630	175.9	57.8
8	108,200	7,450	98,000	25,700	5.87	30,400	0	18,170	133.7	74.0
9			97,000		5.18	20,700	0		126.3	71.3
	87,500	7,180	102,250	30,600	6.01	28,250	0	20,600	151.6	65.2
/4	111,300	11,850	75,100		6.24	23,900	0		163.8	71.9
8/5	111,000	8,500		43,800	6.34	22,200	0	29,700	188.2	70.0
8/6			94,500		6.30	31,500	1,310		172.2	70.2
8/7					6.57	31,800	1,320	19,500	173.4	71.6
8/8	110,000	12,450	93,500	40,200	6.23				179.5	70.7
8/9			98,600		6.40	22,400	0			
	110,800	10,930	90,500	42,000	6.35	26,360	526	24,600	165.00	70.9

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										Deinked Stock Input XXXXXXX	
										Tons	% Book
7/28	94,500	8,790	123,300		6.30	30,400	0			185.4	66.2
7/29	102,500	7,830			6.16	30,700	0			214.7	65.7
/30	92,000	8,280		31,800	5.91	23,250	0	20,250		191.8	65.6
/31	85,200	7,070	101,500	34,800	5.80	22,250	0	21,200		178.2	69.5
/1	57,800	4,370	59,000		5.51	16,050	0			124.5	70.0
/2			107,500		5.72	17,100	0			181.2	72.4
	80,400	7,260	97,670	33,300	5.90	22,020	0	20,720		179.3	68.2
7/28			96,500		6.25	24,000	0			169	7 75.3
7/29	95,000	9,150	86,400		6.10	37,600	0			185	72.8
7/30	111,300	8,880		38,700	6.16	35,000	1,885	19,100		177	70.1
7/31	115,200	8,430	133,200	46,300	6.52	57,500	2,170	35,100		170	70.1
8/1	122,000	8,030	101,200		6.40	40,700	1,870				
8/2					6.40	42,200	1,200			191.5	71.0
	111,100	8,620	104,300	42,500	6.36	39,500	1,187	27,100		177	72.0

SH 831538

[illegible] Nelson
[illegible] Wayne F. Kendrick

cc. G A Littlefield, H B Johnston, J F McClure, G A Towne, E J Gilman, A M Mulder, H Hold, D Meredon, S [illegible], R Bell, B Buenger, D Falvey, V [illegible]

[illegible]NG DIVISION

Date	INFLUENT (#/day) Flow (MGD)	Sus Solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus Solids	Fiber*	Soluble	BOD	REMARKS
7/14						4.49					Lack of data due to
15		42,100	20,600	61,900		4.13					maintenance of samp-
16		65,200	8,590	85,600		5.72					ling and tank equipment
17						6.09					
18						6.36					
19				85,100		6.02	19,000	0			
		53,650	14,595	77,530		5.47	19,000	0			
[illegible]											
[illegible] DIVISION											
/14		81,500	11,500	54,300		5.01	24,600	418			Same as above
7/15						6.11	21,950	762			
7/16		76,600	12,100	71,800		5.38	31,100	673			
7/17						4.38					
7/18						6.72					
7/19						6.46					
[illegible]		79,050	11,800	63,050		5.68	76,880	614			
[illegible] Order							76,500			11,100	

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7/7									DOWN
7/8									"
9									"
10									"
11									"
/12									"
7/6	113,200	10,490	82,000		6.14	25,100	0		
7/8	132,000	15,200	101,000	28,450	6.06	26,800	757	21,500	
7/9	109,200	9,820	110,600	27,250	6.04	48,800	3,280	23,800	
7/10	83,200	9,830	98,000	33,500	6/20	32,550	1,290	25,300	
7/11	97,700	10,080	93,000	30,300	6.20	42,400	774	20,500	
7/12	104,000	9,360	96,000		6.60	25,800	825		
	106,550	10,800	97,130	29,900	6.21	33,570	1,385	22,780	
						76,500		11,100	

6/30	67,700	16,520	93,600	6.61	21,500	0	Lack of samples due to sampling difficulties
7/1				6.40			
				6.22	21,250	0	
3				3.84			
4							DOWN
5							"
	67,700	16,520	93,600	6.44	21,385	0	
/30							DOWN
7/1							"
7/2							"
7/3							"
7/4							"
7/5							"

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SH 035133

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6/23		53,800	6,700	81,000		5.72	23,350	0	
6/24						5.87	14,200	0	10,230
25		67,000	6,750	96,600	28,800	5.76	10,120	0	13,800
26		73,700	9,410	86,600	30,200	5.78	6,750	0	13,400
27		66,500	6,350	101,500		6.09	6,350	0	
28		71,700	8,690	106,500		5.80	9,190	0	
		66,540	7,580	94,440	29,500	5.84	11,660	0	12,410
6/23		127,000	10,550	108,200		6.48	25,400	1,080	
6/24		98,000	10,700	96,400	33,100	6.42	26,200	1,070	19,400
6/25		111,000	13,500	97,500	38,400	6.50	24,350	1,625	24,150
6/26		83,600	10,250	97,100	35,100	6.47	22,200	1,620	19,130
6/27		121,000	12,680	107,700		7.60	24,700	728	
6/28		59,250	11,450	44,700		5.98	12,450	249	
		98,510	11,520	91,930	35,530	6.57	22,550	1,062	20,890

SH 835134

SCM CONFIDENTIAL

SD 025153

WEEKLY SUMM[illegible]Y - WASTE TANK TESTS

To: H[illegible], Nelson
From: Wayne E. Kendrick

cc: G. A. Littlefield, G. A. Towne, H. Field, R. Bell, V. Weave, H. B. Johnston, E. J. Gilman, D. Mendon, B. Buenger, J. H. McClure, A. M. Mulder, S. Stetz, D. Falvey

KING DIVISION

Date 1958	INFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	Soluble	BOD	REMARKS
[illegible]6/16		86,800	96,170	93,800		5.92	22,700	0			
[illegible]6/17		75,800	--	96,800	22,600	5.80	19,350	0			
[illegible]/18		65,800	5,250	90,900	18,400	5.72					
[illegible]/19		64,100	7,180	89,500	22,800	5.65	17,900	0		13,150	
[illegible]/20		80,000	6,760	83,800		5.56	22,800	0			
6/21						5.65					
Avg.		74,500	6,340	90,960	21,270	5.69	20,690	0		13,150	
WRC Order							23,700			16,300	

BRYANT DIVISION

[illegible]6/16		105,000	12,450	82,300		6.36	29,700	0			Lower flows at Bryant
[illegible]6/17		118,200	9,680	99,500	35,400	6.63	42,000	1,380		19,500	due to diversion of soi
[illegible]6/18		103,200	9,130	94,200	26,700	6.45	45,200	2,420		21,650	thin waste waters dire
[illegible]6/19		104,500	8,450	104,300	38,400	6.76	37,100	1,550		25,600	ly to stream.
[illegible]6/20		117,000	10,100	87,400		6.56	31,700	trace		--	
[illegible]6/21											
Avg		109,600	9,960	93,540	33,500	6.55	37,140	1,070		22,250	
WRC Order							76,500			11,100	

* 200 Mesh

WEEKLY SUMMARY - WASTE TANK TESTS

To: Harvey Nelson
From: Wayne E. Kendrick

cc: G. A. Littlefield, G. A. Towne, H. Field, R. Bell, V. Weaver, H. B. Johnston, E. J. Gilman, D. Mendon, B. Buenger, J. H. McClure, A. M. Mulder, S. Stetz, D. Falvey

KING DIVISION

Date 1958	INFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	Soluble	BOD	REMARKS
6/9				73,600		5.92	21,100	0		13,700	
10		86,600	8,380	93,800	28,100	5.92	30,600	0		16,800	
1		68,700	7,010	82,250	25,500	5.80	18,400	0		15,400	
2		58,600	7,680	53,600		5.58	10,250	0			
3		73,100	8,870	81,500		5.92	13,800	0			
4						6.09					
6		71,750	7,980	76,950	26,600	5.87	18,830	0		15,300	
WRC Order							23,700			16,300	

RYANT DIVISION

9		99,500	13,650	91,200	32,600	7.28	31,500	0		12,250	
6/10		104,800	10,620	100,000	38,400	7.49	19,990	1,250		19,600	
6/11		112,500	10,500	37,100	40,800	7.41	65,400	6,800		29,100	
6/12		140,300	9,180	85,700		7.35	29,400	2,450			
6/13		106,300	13,550	111,000		7.41	34,600	1,850			
6/14											
Avg.		112,680	11,500	85,000	37,270	7.39	36,180	2,470		20,320	
WRC Order							76,500			11,100	

* 200 Mesh

SCM CONFIDENTIAL

WEEKLY SUMMARY - WASTE TANK TESTS

To: H[illegible], Nelson
From: Wayne E. Kendrick

cc: G. A. Littlefield, H. B. Johnston, J. H. McClure, G. A. Towne, E. J. Gilman, A. M. Mulder, H. Field, D. Mendon, S. Stetz, R. Bell, B. Buenger, D. Falvey, V. Weaver

KING DIVISION

Date 1958	INFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	Soluble	BOD	REMARKS
6/2		77,700	10,260	86,600	23,300	6.31	52,000	0		19,560	
6/3				68,300		6.31	59,900	0		20,500	
		67,200	6,170	108,500	24,300	5.92	52,500	0		16,400	
		80,000	6,400	83,800	27,300	5.92	71,000	0		22,000	
		75,400	8,380	97,800		5.58	54,500	0			
7						5.51					
Avg.		75,080	7,800	89,000	24,970	5.92	49,980	0		19,740	
WRC Order							53,700			16,300	

RYANT DIVISION

2		97,300	18,550	78,900	28,700	7.29					
6/3		100,000	10,200	74,200	23,100	7.42					
6/4		92,500	10,450	107,700	32,800	7.59					
6/5		101,300	12,000	69,400	32,850	7.58					
6/6		117,200	10,620	109,500		6.90	57,500	4,030			
6/7											
Avg.		101,660	12,360	87,940	29,360	7.36	57,500	4,030			
WRC Order							76,500			11,100	

* 200 Mesh

SCM CONFIDENTIAL

WEEKLY SUMMARY - WASTE TANK TESTS

To: Harry Nelson
From: Wayne E. Kendrick

cc: G. A. Littlefield, G. A. Towne, H. Field, R. Bell, V. Weaver, H. B. Johnston, E. J Gilman, D. Mendon, B. Buenger, J. H. McClure, A. M. Mulder, S. Stetz, D Falvey

SCM CONFIDENTIAL

ING DIVISION

Date 1958	INFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	Soluble	BOD	REMARKS
5/26		86,000	12,000	75,600	30,500	0.26	24,000	0		16,820	
5/27		85,200	7,790	83,200	26,500	0.23	37,400	0		20,500	
28				70,200		0.02	60,180	0			
29		77,400	0,880	99,200		5.60	37,200	0			
30						5.72					
31											
[illegible]		82,870	3,890	82,050	26,500	6.01	39,690	0		18,660	
ARC Order							53,700			[illegible]	

BRYANT DIVISION

5/26		97,000	9,440	92,600	31,200	7.66	53,000	3,190		21,000	
5/27		108,200	8,500	126,000	36,500	7.56	68,600	3,780		30,900	
5/28		109,800	0,790	67,900		7.40					
5/29		94,600	7,010	108,500		7.66	42,800	957			
5/30											
5/31											
[illegible]		102,400	7,940	98,750	33,800	7.57	54,800	2,642		25,950	
ARC Order							76,500			11,100	

*200 Mesh

HS 3X1S3

SCM CONFIDENTIAL

WEEKLY SUMMARY - WASTE TANK TESTS

To: H. Nelson
From: Wayne E. Kendrick

cc: C. A. Littlefield, G. A. Towne, H. Field, R. Bell, V. Weaver, H. B. Johnston, E. J. Gilman, D. Mendon, B. Buenger, J. H. McClure, A. M. Mulder, S. Stetz, D. Falvey

RING DIVISION

Date 1953	INFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	Soluble	BOD	REMARKS
5/19		76,300	11,400	82,200		6.36	18,550	0			
5/20		82,000	6,940	92,600	17,420	5.94	14,350	0		14,260	
21		78,400	6,320	91,600	18,600	5.94	22,800	0		17,600	
22		71,500	5,650	82,300	17,700	5.65	16,000	0		16,850	
23		67,500	7,050	70,500	15,800	5.65	22,100	0		15,800	
24				88,400		5.73	18,150	0			
25		75,220	7,470	84,430	17,380	5.88	18,660	0		16,130	
ARC Order											

RYANT DIVISION

19		98,100	11,200	91,700		7.26	26,600	0			
5/20		116,000	6,320	111,000	24,500	7.41	33,500	0		15,700	
5/21		96,800	8,550	112,100	25,600	7.08	31,900	737		24,200	
5/22		96,700	11,900	104,000	18,350	7.33	37,900	1,540		15,800	
5/23		106,700	8,200	119,500	16,100	7.57	21,400	5,370		17,200	
5/29											
Avg.		102,860	9,230	105,860	21,140	7.33	42,260	1,530		18,220	
ARC Order							76,500			11,100	

* 200 Mesh

SH 835139

SCM CONFIDENTIAL

WEEKLY SUMMARY - WASTE TANK TESTS

To: H[redacted], Nelson
From: Wayne E. Kendrick

cc: G. A. Littlefield, G. A. Towne, H. Field, R. Bell, V. Weaver, H. B. Johnston, E. J. Gilman, D. Mendon, B. Buenger, J. H. McClure, A. M. Mulder, S. Stetz, D. Falvey

KING DIVISION

Date 1958	INFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	Soluble	BOD	REMARKS
5/12											King flow is low due to
5/13											pump operation. Flow
14		85,800	12,490	91,000		6.23	11,450	0			recorded is the amount
15		65,800	11,080	60,340		6.03	17,100	0			through tank only and
16		72,000	8,960	82,300		5.80	21,300	0			not total mill effluent.
17						5.65	16,950	0			
Avg		74,500	10,840	77,800		5.92	16,700	0			
WRC Order							53,700			16,500	

RYANT DIVISION

5/12		71,750	7,800			6.24					
5/13		105,800	13,250			7.21					
5/14		105,900	11,550	103,500		7.25					
5/15		94,200	12,170	101,000		7.29					
5/16						7.12					
5/17						7.25					
Avg.		94,400	11,190	102,500		7.06					
WRC Order							76,500			11,100	

* 200 Mesh

851148 SH

W. E. Kendrick

SCM CONFIDENTIAL

1958														
1/6							96,100	21,300	91,600		24,300	8,460	60,700	
		87,400	10,650	95,400			115,100	20,900	104,800		48,600	6,240	73,600	
		96,000	7,630	95,500			109,000	17,100	107,900				68,500	
		85,800	10,650	94,600			95,600	16,100	92,700		56,500	5,040	59,000	
10		101,300	11,700	98,600							60,500	8,530	41,600	
11		92,620	10,160	96,020			104,000	18,850	99,200		47,480	7,070	60,680	
6	7.59					7.85	30,100	0			5.20	2,090	0	
7	6.36	141,500	15,650			7.39					5.35	12,050	0	
1/8	7.63	27,600	11,600			7.19	31,750	0			5.30	4,860	0	
1/9	7.10	29,000	444			6.55					5.25	12,700	0	
1/10	7.39	30,200	108			6.39	30,350	0			5.00	17,100	0	
1/11	7.52	98,400	10,050											
	7.25	--	--		--	7.10	30,730	0			5.20	9,760	0	
		76,500			11,100		53,700			16,300		31,900		10,100

*All Bryant effluent samples are spot samples!

SR 035141

T. _____

FROM W. E. Kendrick

WEEKLY SUMMARY - WASTE TANK TESTS

(1958) not complete

INFLUENT	BRYANT (#/day)					KING (#/day)					MONARCH (#/day)				
Date 1958	Flow (MGD)	Sus Solids	Fiber*	Soluble	BOD	Flow (MGD)	Sus Solids	Fiber*	Soluble	BOD	Flow (MGD)	Sus Solids	Fiber*	Soluble	BOD
12/30		89,600	8,320	52,400								41,700	5,580	61,100	
31		83,000	5,050	93,400											
		95,400	5,040	74,700											
		113,700	2,440	46,700			100,200	23,150	113,000			49,600	8,550	73,000	
		73,000	6,540	51,000			74,700	14,290	61,700			41,200	13,130	58,400	
		155,500	12,450	46,500				down					down		
		101,700	6,640	60,780			87,450	16,720	97,350			44,170	9,090	64,170	
EFFLUENT															
/30	7.17	41,900	3,010			--					5.05	8,840	0		
/31	7.65	70,300	2,520			7.46					3.95				
1/1	7.65					7.45					4.00				
1/2	7.40					7.12	13,680	0			5.00	12,900	0		
1/3	7.19					7.00	29,700	0			5.00				
1/4	7.50							down					down		
[illegible]	7.43	56,100	2,760			7.26	21,690	0			4.60	10,870	0		
WRC Order		76,500			11,100		53,700			16,300		31,900			10,100

*250 Mesh Wire

SCM CONFIDENTIAL

W. E. Kendrick

1958										
3/3		92,800	15,550	84,900		81,800	10,300	90,300		down
4		117,500	13,520	99,400	31,800	101,000	12,000	110,500	29,800	
5		133,300	9,910	115,000		84,900	9,260	109,000		
6		160,100	16,770	108,700		79,750	7,740	110,300		
7										
8										
		125,900	13,940	102,000	31,800	86,860	9,820	105,020	29,800	
/3	7.84					6.67	19,170	0		down
/4	7.46	85,100	7,620		24,850	6.62	30,400	0	13,380	
3/5	7.66					6.54	21,250	0		
3/6	7.46					7.15	23,250	0		
3/7						7.15				
3/8										
	7.60	85,100	7,620		24,850	6.83	23,520	0	13,380	
		76,500			11,100		53,700		16,300	

SCM CONFIDENTIAL

3H 83513

2/24		115,800	8,680	95,900							
2/25				106,500			74,100	9,480	99,200		
2/26							83,100	11,910	102,500		
2/27		107,500	9,510	115,700	31,300				109,500		
2/28		102,200	9,660	113,500	38,000		102,000	16,050	97,400	34,000	
3/1									118,000		
		108,500	9,280	107,900	34,650		86,400	12,450	105,300	34,000	
.4	7.19										down
25	7.50	97,500	5,690								
26	7.61	134,000	9,020			7.24	15,680	0			
27	7.12	67,100	3,120		26,750	6.92	17,310	o		15,800	
28	8.01	78,100	4,170		25,500	7.07	25,350	0		15,400	
/1	7.74					7.07	13,550	0			
	7.53	94,200	5,500		26,130	7.08	17,970	0		15,600	
		76,500			11,100		53,700			16,300	
	7.53	84,000	5,780		22,700	7.00					
		76,500			11,100		53,700			16,300	

SCM CONFIDENTIAL

SR 035144

W. E. Kendrick

1958

2/3		107,100	10,000	80,000			112,800	20,550	97,300		down
/4		88,200	6,790	101,000	28,550		138,900	21,050	135,000	40,300	
/5									118,900		
/6		105,600	10,280	120,100			100,700	20,200	112,000		
/7		102,800	8,320	110,000			88,000	20,000	128,500		
2/8		85,500	9,510	111,000							
		97,850	8,980	104,450	28,550		110,100	20,450	118,360	40,300	
2/3	7.38					7.79					down
2/4	7.56	78,100	3,620		27,700	7.71	43,600	0	22,300		
2/5	7.60	66,800	4.120		29,350	7.71	46,800	0	17,870		
2/6	7.58					7.07					
2/7	7.52					7.71					
2/8	7.60					7.39					
	7.54	72,450	3,870		28,520	7.56	45,200	0	20,080		
		76,500			11,100		53,700		16,300		

SCM CONFIDENTIAL

EH 8251345

SCM CONFIDENTIAL

W. E. Kendrick

1958											
1/27		91,500	12,850	80,400			119,000	22,950	107,000		down
/28		97,600	9,660	108,000	30,100		121,300	23,300	109,300	29,700	
/29		104,000	8,030	107,000	25,700		113,700	26,700	118,800		
/30		111,300	15,500	98,000	33,500		125,000	26,700	115,700		
1/31		98,900	7,720	113,500	37,700		146,200	21,400	125,000		
2/1		113,800	10,300	114,000			113,000	19,000	103,800		
		102,850	10,680	103,500	31,750		123,000	23,840	113,270	29,700	
		42.8% Sus. Sol. Removal									
1/27	7.42	28,500	3,250			8.02	25,450	0			down
1/28	7.61	48,200	6,180		25,850						
1/29	7.55	73,000	8,030		23,950						
1/30	7.59	69,500	6,480		26,200						
1/31	7.56	74,400	4,260		31,500						
2/1	7.61					6.38					
	7.56	58,720	5,640		26,900	7.20	25,450	0			
		76,500			11,100		53,700			16,300	

SH 0351 46

W. E. Kendrick

1958		BRYANT (#/day)					KING (#/day)					MONARCH (#/day)				
		[illegible]	[illegible]	Soluble	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	Soluble	[illegible]
1/20		98,600	11,200	69,500			61,200	14,550	68,200				down			
21		91,200	7,190	93,700	21,600		114,100	23,200	105,000	34,900						
22		83,000	9,900	99,400	21,800		115,100	24,450	108,000	32,600						
23		64,000	7,640	81,300			112,100	18,700	106,000							
/24		100,800	11,650	86,100			131,200	20,700	104,300							
/25		92,500	10,610	85,500			123,500	23,400	88,400							
"		88,350	9,700	85,920	21,700		109,500	20,830	96,650	33,750						
		25.4% Sus. Solids Removal					67.1% Sus. Solids Removal									
/20	7.59	43,000	3,790			4.96	12,400	0					down			
/21	7.50	67,400	5,150		19,500	7.87	31,500	0		17,900						
1/22	7.44	68,200	6,200		22,750	7.63	39,400	0		18,670						
1/23	5.73	54,400	5,620			7.47	44,800	0								
1/24	7.65	75,300	6,860			7.15	45,300	0								
1/25	7.60	87,400	7,290			7.07	43,600	0								
"	7.25	65,950	5,820		21,120	7.04	36,170	0		18,285						
[illegible]		76,500			11,100		53,700			16,300						

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TO: _____

WEEKLY SUMMARY - WASTE TANK TESTS

FROM: W. E. Kendrick

		BRYANT (#/day)				KING (#/day)					MARCH (#/day)				
INFLUENT															
Date 1957	Flow (M.G.D)	Sus. Solids	Fiber*	Soluble	B.O.D	Flow (M.G.D)	Sus. Solids	Fiber*	Soluble	B.O.D	Flow (M.G.D)	Sus. Solids	Fiber*	Soluble	B.O.D
W 1/13		160,000	26,200	93,600			70,750	25,800	79,700			137,100	25,100	75,800	
14				92,400			109,700	18,980	105,000	24,100		75,200	12,170	55,500	15,080
15				115,800			96,000	17,500	93,000	25,800		46,800	9,960	73,800	18,380
16		128,900	15,850	68,300	33,600		111,500	14,380	62,000	27,050		44,750	10,420	39,800	
/17		147,000	18,370	143,300			125,500	20,200	99,500				down		
/18		71,000	9,030	96,500			100,000	16,900	102,700				down		
Av.		126,470	17,360	101,620	33,600		102,240	18,960	90,320	25,650		75,960	14,410	61,220	16,730
EFFLUENT															
/13	7.49					6.84	20,500	0			5.05	17,700	0		
1/14	7.64	80,200	6,050		17,690	7.00	15,180	0		18,750	4.75	15,850	0		
W 1/15	7.51	88,900	7,830		24,600	6.76	19,170	0		17,450	5.20	17,350	0		
T 1/16	7.45	67,200	5,910		20,650	6.76	28,150	0		15,930	4.55				
F 1/17	7.47	81,000	7,770			7.23	26,500	0			0.55		down		
S 1/18	7.47					7.24	18,700	0					down		
Avg.	7.50	79,320	6,890		20,980	6.97	21,370	0		17,370	4.89	16,970	0		
Max. order		76,500			11,100		53,700			16,300		31,900			10,100

*200 Mesh Wire

SH 331548

[illegible] - WASTE TANK TESTS

[illegible] W. E. Kendrick

[illegible]	BRYANT (#/day)					[illegible] (#/day)					MONARCH (#/day)				
Date 1958	[illegible]	Sus Solids	Fiber*	Soluble	BOD	[illegible]	Sus Solids	Fiber*	Soluble	BOD	[illegible]	Sus Solids	Fiber*	Soluble	[illegible]
1/6							96,100	21,300	91,600			24,300	8,460	60,700	
/7		87,400	10,650	95,400			115,100	20,900	104,800			48,600	6,240	73,600	
[illegible]		96,000	7,630	95,500			109,000	17,100	107,900					68,500	
/9		85,800	10,650	94,600	19,780		95,600	16,100	92,700	[illegible]		56,500	5,040	59,000	12,[illegible]
1/10		101,300	11,700	98,600	17,440							60,500	8,530	41,600	11,[illegible]
1/11															
Avg		92,620	10,160	96,020	18,885		104,000	18,850	99,200	[illegible]		47,480	7,070	60,680	[illegible]
[illegible]															
1/6	7.59					7.85	30,100	0			5.20	2,090	0		
1/7	6.36	*141,500	15,650			7.39					5.35	12,050	0		
1/8	7.63	27,600	11,600			7.19	31,750	0			5.30	4,860	0		
1/9	7.10	29,000	444		19,700	6.55				14,500	5.25	12,700	0		11,71[illegible]
1/10	7.39	30,200	108		8,720	6.39	30,350	0		14,440	5.00	17,100	0		10,50[illegible]
1/11	7.52	98,400	10,050												
Avg	7.25	--	--		--	7.10	30,730	0		14,745	5.20	9,760	0		11,10[illegible]
WBC Order		76,500			11,100		53,700			16,300		31,900			10,10[illegible]

*[illegible] Mesh Wire

*All Bryant effluent samples are spot samples!

SCM CONFIDENTIAL

SA 035149

SCM CONFIDENTIAL

WEEKLY SUMMARY - WASTE TANK TESTS

FROM W. M. Kendrick

1958 not complete

INFLUENT		BRYANT (#/day)				KING (#/day)					MONARCH (#/day)				
Date 1958	Flow (MGD)	Sus Solids	Fiber*	Soluble	BOD	Flow (MGD)	Sus Solids	Fiber*	Soluble	BOD	Flow (MGD)	Sus Solids	Fiber*	Soluble	BOD
12/30		89,600	8,320	52,400								41,700	5,580	61,100	
31		83,000	5,050	93,400											
		95,400	5,040	74,700											
		113,700	2,440	46,700			100,200	23,150	113,000			49,600	8,550	73,000	
3		73,000	6,540	51,000			74,700	14,290	81,700			41,200	13,130	58,400	
4		155,500	12,450	46,500				down					down		
		101,700	6,640	60,780			87,450	18,720	97,350			44,170	9,090	64,170	
EFFLUENT															
/30	7.17	41,900	3,010			--					5.05	8,840	0		
12/31	7.65	70,300	2,520			7.46					3.95				
1/1	7.65					7.45					4.00				
1/2	7.40					7.12	13,680	0			5.00	12,900	0		
1/3	7.19					7.00	29,700	0			5.00				
1/4	7.50							down					down		
Avg.	7.43	56,100	2,760			7.26	21,690	0			4.60	10,870	0		
KMC Order		76,500			11,100		53,700			16,300		31,900			10,100

*200 Mesh Wire

To: [illegible] Larson

From: R.J.Willie

cc: W.D.Harrison, R.M.Levy, H.B.Johnston, G.H.Baldauf, [illegible] Owen, L.J.Gilman, L.Gayou, V.Weaver, S.Stetz, U.G.Stoeffler, C.Mason, B.Buenger, D.Falvey, M.Carl

1959 [illegible] DIVISION

	INFLUENT (#/day)				EFFLUENT (#/day)				Removal % Efficiency		Waste Paper Regular	
	Sus. Solids	Fibers	Soluble	BOD	Flow (MGD)	Sus. Solids	Fibers	BOD	Solids	BOD	Tons	% Bo[illegible]
2/1	132,000	23,600	96,000	-	6.77	6,760	0	-	94.0	-	173.8	63.6
2/2	99,200	16,600	90,000	-	6.77	93,000 **	11,200 **	-	6.15	-	189.7	65.6
/3	116,000	18,800	107,000	-	6.77	89,000 **	8,400 **	-	23.3	-	234.2	65.0
/8	105,000	14,800	108,800	41,200	6.87	57,200 **	0	38,400 **	45.5	6.8	241.5	67.0
/9	141,200	22,800	117,800	-	7.19	9,000 **	0	-	93.5	-	201.4	66.6
/10	No	Samples		-	6.87	37,900 **	0	-	-	-	241.6	71.9
/15	110,800	18,000	107,800	-	7.19	79,000 **	9,000	-	29.7	-	226.8	65.1
/16	86,700	12,600	86,000	-	6.87	28,600 **	2,800	-	67.1	-	228.2	67.6
/17	134,500	20,000	78,700	37,000	7.28	38,700 **	0	22,400	71.3	39.5	203.3	66.1
/22	No	Samples		-	7.00	No	Samples	-	-	-	234.2	65.6
/23	No	Samples		-	7.00	No	Samples	-	-	-	202.4	63.6
2/24	Mill	Down	-	-	-	Mill	Down	-	-	-	-	-
2/29	No	Samples		-	6.79	39,500	0	-	-	-	212.6	60.2
2/30	No	Samples		-	7.00	42,000	0	-	-	-	226.2	69.9
/31	No	Samples		-	7.00	No	Samples	-	-	-	171.3	70.[illegible]
	115,600	18,400	99,000	39,100	6.95	47,300	7,850	30,400	53.8	23.1	213.4	66.3
Order						53,700		16,300				

SCM CONFIDENTIAL

SA 035151

1959

MONTHLY SUMMARY - [illegible] TANK TESTS

To: [illegible] Parson cc: W. D. Harrison, R. H. Levy, H. B. Johnston, G. H. Baldauf, L. L. Owen, [illegible] J. Gilman, ~~[illegible]~~, ~~[illegible]~~, L. Gayou, S. Stetz, U. G. Stoeffler, ~~[illegible]~~, B. Buenger, D. Falvey, V. Weaver, W. Garrity, C. Mason

From: R. J. Willie

1959

[illegible]ING DIVISION

Date	Influent (#/day) Sus. Solids	Fiber*	Soluble	BOD	Effluent (#/day) Flow (MGD)	Sus. Solids	Fiber*	BOD	% Efficiency Solids	BOD	Waste Lap In Regula[illegible] Tons	[illegible]
T 11/3	** TANK DOWN		–	–	*** 6.50	TANK DOWN			–	–	242.2	66.6
1/4	"	"	"	"	6.50	"	"	"	–	–	234.9	66.[illegible]
1/5	"	"	"	"	6.50	"	"	"	–	–	247.4	62.[illegible]
1/10	– No	Samples	–	–	7.36	No Samples		–	–	–	233.4	67.[illegible]
11/11	– No	Samples	–	–	7.36	No Samples		–	–	–	155.5	69.[illegible]
11/12	88,500	12,600	110,000	–	7.37	28,200	0	–	68.1	–	179.1	64.[illegible]
11/17	150,000	28,100	152000	46,700	7.02	103,000	0	40,000	31.3	14.3	221.6	69.7
11/18	137,000	18,900	114,000	–	6.23	31,200	0	–	77.2	–	263.2	64.[illegible]
11/19	– No	Samples	–	–	7.02	No Samples		–	–	–	214.0	60.[illegible]
11/24	154,500	23,100	70,200	–	7.02	67,800	0	–	56.1	–	243.2	64.[illegible]
W 11/25	– DOWN		–	–	– DOWN		–	–	–	–	–	–
T 11/26	"	"	"	"	"	"	"	" "	"	"	"	"
T												
W												
T												
Ave	132,500	20,670	111,550	46,700	6.89	57,550	0	40,000	58.2	14.3	223.4	65.[illegible]
WRC Order						53,700		16,300				

[illegible] ** MOTOR STILL OUT. ***ESTIMATED FLOW

SCM CONFIDENTIAL

SA 035152

MONTHLY SUMMARY - WASTE TANK TESTS

To: R. A. Larson

From: R. J. Willie

cc: W. D. Harrison, R. M. Levy, H. B. Johnston, G. H. Baldauf, L. B. Owen, E. J. Gilman, A. L. Mulder, ~~D. Mendham~~, S. Stetz, U. G. Stoeffler, R. Bell, B. Buenger, D. Falvey, V. Weaver, W. Garrity

Flow Division	Influent (#/day)				Effluent (#/day)				% Efficiency		Waste Lap In Regular	
1959 ? Day	Sus. Solids	Fiber#	Soluble	BOD	Flow (MGD)	Sus. Solids	Fiber#	BOD	Solids	BOD	Tons	[illegible]
[illegible]												
[illegible]												
[illegible]												
[illegible]												
[illegible]												
[illegible]												
[illegible]												
[illegible]												
[illegible]												
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[illegible]												
[illegible]												
Ave	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		
WRC Order						53,700		16,300				

#200 m[illegible] [illegible] Estimated Flow [illegible] Burned out [illegible] on big pump to [illegible]

SCM CONFIDENTIAL

SCM CONFIDENTIAL

835154 SH

MONTHLY SUMMARY – WASTE TANK TESTS

To: R. A. Carson

cc: W. D. Harrison, R. M. Levy, H. B. Johnston, G. H. Balduf, L. D. Owen, E. J. Gilman, A. M. Mulder, D. Mendham, S. Stetz, U. G. Stooffler, R. Bell, B. Buenger, D. Falvey, V. Weaver

From: R. J. Willie

…ING DIVISION

Date	INFLUENT (#/day)				EFFLUENT (#/day)				Removal % Efficiency		Waste Paper Input Regular	
	Sus. Solids	Fiber	Soluble	BOD	Flow (MGD)	Sus Solids	Fiber	BOD	Solids	BOD	Tons	% Book
Ave.												
RC Order						53,700		16,300				

To Mea…

SCM CONFIDENTIAL

SH 855155

[illegible] R [illegible]arson

cc: W. D. Harrison, R. M. Levy, H. b. Johnston, G. H. Baldauf, L. B[illegible]en, E. J. Climan, A. M. Mulder, D. Mendham, S Stetz, U. G. Stoeffler, R. Bell, B. Buenger, D. Falvey, V. Weaver, W. J. Garrity

From: R J. Willie

[illegible] DIVISION

1959	INFLUENT (#/day)				EFFLUENT (#/day)				Removal % Effiency		Waste Paper Input Regular	
	Sus. Solids	Fiber*	Soluble	BOD	Flow (MGD)	Sus. Solids	Fiber*	BOD	Solids	BOD	Tons	% Book
-9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
-10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
-11	[illegible]	[illegible]	95,320	--	[illegible]	17,[illegible]	[illegible]	[illegible]	[illegible]	--	151.2	68.3
-12	[illegible]	[illegible]	[illegible],000	--	[illegible]	2[illegible]	0	--	71.0	--	218.8	70.7
13	[illegible]	[illegible]	[illegible],000	--	6.39	2[illegible]	0	--	[illegible]	--	217.2	64.[illegible]
-[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	[illegible]	[illegible]	[illegible]	[illegible]
-[illegible]	111,[illegible]	[illegible]	[illegible],000	32,300	6.59	31,900	0	20,300	71.[illegible]	[illegible].4	164.0	61.[illegible]
-[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].30	[illegible]	[illegible]	[illegible]	--	[illegible]	155.6	75.[illegible]
-25	102,[illegible]	[illegible]	114,000	51,[illegible]00	6.[illegible]	44,[illegible]	0	31,350	72.[illegible]	[illegible].2	206.6	61.1
-26	[illegible]	[illegible]	[illegible],000	--	6.[illegible]	[illegible],400	0	--	71.3		200.9	60.1
-27	[illegible]	[illegible]	79,500	--	6.63	22,[illegible]50	0	--	77.6		251.[illegible]	[illegible].0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	105,770	16,[illegible]40	89,900	43,500	6.47	33,350	0	26,050	68.3	39.1	197.8	66.9
RC Order						53,700		16,300				

[illegible] Mgd

1469

[illegible]

To [illegible] cc: W. D. Harrison, R. M. Levy, H. B. Johnston, G. H. Faldauf, [illegible], F. J. Gilman, A. [illegible] Mulder, D. Mendham, S. Steiz, U. C. Stoeffler, R. Bell, I. Buenger, [illegible], V. Weaver

From R. J. [illegible]

[illegible] DIVISION

1959	INFLUENT (#/day)				EFFLUENT (#/day)				Removal % Efficiency		Waste Paper Input Regular	
[illegible]	Sus. Solids	Fiber*	Soluble	BOD	Flow (MGD)	Sus. Solids	Fiber*	BOD	Solids	BOD	Tons	% Bu[illegible]
[illegible]												
[illegible]	[illegible]		[illegible]									
[illegible]												
[illegible]	[illegible]		[illegible]									
[illegible]			[illegible]									
[illegible]			[illegible]									
[illegible]												
[illegible]			[illegible]									
[illegible]												
[illegible]												
[illegible]			[illegible]									
[illegible]			[illegible]									
[illegible]												
[illegible]												
[illegible]												
[illegible]	[illegible]		12,800	33,000								
[illegible]						53,700		16,300				

SCM CONFIDENTIAL

SA 035156

1464

To: [illegible] arson

From R. J. Willie

cc: W. D. Harrison, R. M. Levy, H. B. Johnston, G. H. Baldauf, L. B[illegible]en, E. J. Gilman, A. M. Mulder, D. Mendham, S. Stets, U. C. Stoeffler, R. Beli, B. Buenger, D. Falvey, V. Weaver

KINC DIVISION

1959	INFLUENT (#/day)				EFFLUENT (#/day)				Removal % Efficiency		Waste Paper Input Regular	
Date	Sus. Solids	Fiber*	Soluble	BOD	Flow (MGD)	Sus. Solids	Fiber*	BOD	Solids	BOD	Tons	% Book
[illegible]												
[illegible]	110,000	[illegible]	114,500	---	[illegible]	[illegible]	[illegible]	---	[illegible]		[illegible]	
	---	---	---	---	[illegible]	[illegible]					[illegible]	
7	110,000	[illegible]	134,500	---	[illegible]	[illegible]		---			[illegible]	
8	[illegible]	[illegible]	123,500	33,700	[illegible]							
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
15	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]		[illegible]				
16	130,000	[illegible]	123,000	[illegible]	[illegible]	[illegible]						
21	125,000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]			
T-22	107,000	[illegible]	88,600	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]			
T-23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
T-28												
T-29	D O [illegible]	[illegible]	[illegible]	[illegible]								
T-30												
Ave	114,100	[illegible]	112,800	33,000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
* RC Order						53,700		16,300				

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5A 035157

R + D

R M Levy

C H Baldauf

DIVISION

Date	INFLUENT (#/day) Sus. Solids	Fibers*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fibers*	BOD	Removal % (Lbs.) Solids	BOD	Waste Paper Regular Tons	Regular % Dry
7/2	158,500	17,000	125,000	--	6.23	[illegible]	0	--	99.2	--	266.7	73.6
[illegible]	---no samples---				6.35	---no samples---					252.5	73.0
1	116,000	16,200	98,500	37,510	6.23	12,000	0	32,770	89.7	10.6	216.7	74.0
[illegible]	[illegible]	[illegible]	[illegible]	--	6.23	59,200	0	--	55.6	--	236.6	67.4
[illegible]	[illegible]	16,900	91,500	38,150	6.47	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	135,000	15,000	120,000	--	[illegible]	[illegible]	0	--	[illegible]	--	231.6	69.1
12	---no samples---				[illegible]	[illegible]	[illegible]	--	[illegible]	--	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	[illegible]	[illegible]
14	134,000	27,000	133,000	--	6.71	[illegible]	0	--	[illegible]	--	[illegible]	[illegible]
15	136,000	11,800	120,000		6.61	[illegible]	[illegible]	--	[illegible]	--	250.6	[illegible]
[illegible]	---no samples---				[illegible]	[illegible]	[illegible]	--		--	[illegible]	[illegible]
7/25	135,000	19,700	123,000	--	7.02	[illegible]	[illegible]	--	[illegible]	--	233.0	[illegible]
[illegible]	---no samples---				6.31	---no samples---					185.1	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]					53,700		18,[illegible]				

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SCM 035158

[illegible] endham [illegible] Waeger

Date	INFLUENT (#/day)				Flow	EFFLUENT (#/day)			Removal		Water [illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	9,700	97,[illegible]		6.00	19,100	0		92.05		173.7	68.7
5/6	110,000	6,250	1[illegible]3,000		6.16	37,000	0		65.3[illegible]		263.[illegible]	70.[illegible]
[illegible]7	112,000	9,200	109,[illegible]		[illegible]	49,800	0		[illegible]		265.1	67.[illegible]
[illegible]	NO SAMPLES				[illegible]	NO SAMPLES					240.4	69.3
5/13	124,000	9,400	[illegible]	33,870	6.23	[illegible],200	0	25,540	73.1[illegible]	21.5	23[illegible].8	6[illegible]
[illegible]	NO SAMPLES				[illegible]	NO SAMPLES					[illegible]	[illegible]
[illegible]	[illegible],000	[illegible]			[illegible]	27,[illegible]	0		[illegible]		[illegible]6	66
[illegible]	NO SAMPLES				[illegible]	NO SAMPLES					[illegible]	[illegible]
5/[illegible]	[illegible]8,000	25,500	[illegible]		[illegible].55	31,600	0		74.5		2[illegible]	66.[illegible]
5/[illegible]	136,000	19,400	1[illegible],000		6.5[illegible]	35,000	0		74.3		2[illegible]7.6	69.6
5/[illegible]	110,000	10,400	[illegible]	[illegible],000	[illegible]	[illegible]	0	[illegible]	50.2	21.0	[illegible]	[illegible]
[illegible]	[illegible],000	9,5[illegible]			[illegible]	61,000	0		2[illegible]		[illegible]	[illegible]
	122,440	13,500	108,200	35,085	6.36	40,480	0	27,220	66.5	22.7	238.6	67.5

(6) 5.6

105,560 12,730 99,750 34,700 5.93 34,422

SCM CONFIDENTIAL

SH 035153

To: R. [illegible] Larson ✓

From: R J Willis

cc: W. D. Harrison, R. M. [illegible], H. B. Johnston, C. H. Baldaul, [illegible] B. Owen, E. J. Grimm, A. M. Mulder, D. Kendham, S. Stetz, L. G. Stoeffler, R. Bell, B. Buenger, D. [illegible], V. Weiser

KING DIVISION

1959	INFLUENT (#/day)				EFFLUENT (#/day)				Removal		Waste Paper Input	
	Solids	Fibers	Soluble	BOD	Flow (MGD)	Solids	Fibers	BOD	Solids	BOD	Regular Lot	Regular %
3/30	no sample				6.50	24,000	0				210.0	68.3
	no sample				6.95	no sample	0				1[illegible].4	6[illegible]
	98,500	11,100	104,000		6.9[illegible]	19,6[illegible]	0				[illegible]	6[illegible]
	86,[illegible]	[illegible]	112,500		6.[illegible]	[illegible]	0				[illegible]	65.8
	92,700	5,500	113,500		6.7[illegible]	[illegible]	0				279.7	67.4
	no sample				6.50	no sample	0				[illegible]	[illegible]
	92,400	9,165	110,000		6.59	[illegible]	0				202.9	[illegible]
[illegible] Order												
[illegible] DIVISION												
3/30	85,500	10,900	81,300		6.[illegible]	[illegible],200	0				[illegible]	[illegible]
3/31	no sample				6.50	no sample	0				1[illegible].8	69.7
4/1	121,000	15,100	87,500		6.55	101,000	0				173.3	70.0
4/2	87,000	6,300	1[illegible],000		6.50	[illegible]7,000	0				173.9	[illegible].8
4/3	no sample				6.50	no sample	0				159.2	70.2
4/4	no sample				6.50	no sample	0				170.2	71.5
[illegible]	97,833	10,766	95,933		6.51	71,733	0				170.9	70.0
[illegible] Order						76,500		11,100				

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/23	19,500	8,450	94,000	6.63	30,400	0	170.3	67.7
	103,000	11,900	81,000	6.16	29,000	0	217.3	66.2
	74,000	9,900	77,000	5.76	[illegible]	0	201.9	67.0
	115,200	15,250	[illegible],000	5.6[illegible]	[illegible]	0	235.8	67.3
	----no sample----------			5.[illegible]	[illegible]	0	249.2	67.7
[illegible]	[illegible]	13,700	[illegible]	[illegible]	no sample	0	275.1	67.4
	[illegible]	11,760	[illegible]	[illegible]	[illegible]	0	221.6	67.2
3	134,000	16,400	124,000	7.80	[illegible],200	0	173.[illegible]	69.5
/24	84,500	8,800	75,800	6.50	60,500	0	176.9	67.2
/25	93,200	12,100	86,500	6.50	22,700	0	177.0	62.0
/26	94,300	20,700	54,100	6.50	20,500	0	154.0	62.1
/27	95,500	11,700	65,000	6.50	30,400	0	163.2	69.4
/28	----no sample----------			6.50	no sample	0	141.9	71.2
	100,300	13,940	81,080	6.71	33,060	0	164.9	66.9

SCM CONFIDENTIAL

SA 035161

[illegible] TANK TESTS

To: R. [illegible]arson

From: R. J. Willie

cc: W. D. Harrison, R. M. Levy, H. B. Johnston, G. H. Baldauf, [illegible] B. Owen, E. J. Gilman, A. M. Mulder, D. Mendham, S. Stetz, U. C. Stoeffler, R. Bell, B. Buenger, D. F[illegible]ey, V. Weaver

KING DIVISION

Date 1959	INFLUENT (#/day) Sus. Solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	BOD	Removal % Efficiency Solids	BOD	Waste Paper Input Regular Tons	% Book
3/16	--------no samples**----------				6.50	----no sample**----					232.3	73.5
3/17	94,500	10,100	130,000		6.50	22,700	0				224	
18	88,200	9,850	71,700		6.16	10,250	0				210	
19	133,000	15,300	66,700		5.70	44,700	0				238	
20	98,700	11,400	115,000		5.75	33,500	0				236	
21	101,000	12,900	104,000		5.93	no sample	0				247	
[illegible]	103,080	11,910	97,480		6.09	27,787	0				231	
[illegible] Order						53,700		16,300				

RYANT DIVISION

16	78,500	9,400	75,500		8.25	17,900	0				162.2	66.8
3/17	130,500	16,200	130,900		8.36	30,500	0				154.4	67.5
3/18	113,000	13,700	62,700		8.37	4,000	0				148.1	64.5
3/19	116,000	12,800	91,000		8.43	47,300	0				128.8	60.5
3/20	142,000	13,200	145,000		8.73	111,000	0				165.3	62.4
3/21	146,000	19,000	131,000		8.75	no sample	0				184.0	63.8
[illegible]	121,000	14,050	106,017		8.48	42,140	0				157.1	64.2
[illegible] Order						76,500		11,100				

[illegible] Mesh **bar grates plugged - bypassing settling t[illegible]

SCM CONFIDENTIAL

5A 035162

L. B. Owen
C. H. Baldauf

W. Vastrick

U. G. Stoeffler

1959

1959			Solubls						
3/9	100,400	11,750	97,500	6.50	19,500	0			20
10	61,300	5,500	136,200	6.55	10,900	0			17
11	100,100	9,950	100,900	6.23	32,100	0			19
12	130,200	24,500	100,700	6.39	36,000	0			2
13	---no sample**			6.31	no sample**	0			2
14	---no sample**			6.50	no sample**	0			2
	99,000	12,925	108,825	6.41	24,625	0			2
3/9	95,000	13,300	54,200	5.89	6,900	0		149.1	74.0
3/10	87,500	10,500	81,000	5.70	16,100	0		190.8	75.6
3/11	100,700	17,700	100,350	8.27	24,800	0		143.7	70.4
3/12	130,200	14,900	110,900	8.43	28,000	0		176.1	67.6
3/13	120,700	10,300	98,000	8.40	143,000	0		160.1	67.2
3/14	100,400	13,350	143,000	9.06	no sample	0		117.9	70.3
	105,750	13,340	97,908	7.62	43,760	0		156.3	70.9

SCM CONFIDENTIAL

SD 035183

SCM CONFIDENTIAL

WEEKLY SUMMARY - WASTE TANK TESTS

To: Harvey Nelson ✓ cc: W. D. Harrison, R. M. Levy, H. B. Johnston, G. H. Baldauf, L. B. Owen, G. A. Towne, E. J. Gilman, A. M. Mulder, W. Vastrick, H. L. Field, D. Mondham, S. Stotz, U. G. Stoeffler, R. Bell, B. Buenger, D. Falvey, V. Weaver

From R. J. Willie

KING DIVISION

1959 Date	INFLUENT (#/day) Sus. Solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	BOD	Removal % Efficiency Solids	BOD	Waste Paper Input Regular Tons	% Bool
M 3/2	126,000	9,600	98,200		6.55	25,000	0				180.1	69.1
T 3	----no	sample----	----------	-------	6.50	21,700	0				21	
W 4	375,000**	81,800**	104,000		6.25	8,300	0				22	
T 5	100,500	12,000	111,600		6.31	20,000	0				21	
F 6	100,900	10,700	130,200		6.37	15,900	0				20	
S 7	114,000	13,000	100,000		6.35	no sample	0				7	
Avg	159,440	25,420	108,800		6.39	18,180	0				4	
WRC Order						53,700		16,300				
BRYANT DIVISION												
M 3/2	63,300	13,500	39,000		5.20	8,650	0				130.2	
T 3/3	46,800	6,100	55,300		5.12	14,500	0				137.1	75.2
W 3/4	54,700	7,550	56,700		5.13	11,900	0				151.6	69.2
T 3/5	100,600	11,450	81,500		6.91	18,700	0				130.8	74.5
F 3/6	130,000	15,200	100,450		7.20	24,400	0				142.3	76.1
S 3/7	100,250	12,000	73,500		6.80	no sample	0				137.3	77.5
Avg.	82,603	10,980	67,742		6.06	15,630	0				142.7	74.4
WRC Order						76,500		11,100				

SH 835164

WEEKLY SUMMARY - WASTE TANK TESTS

Earley Nelson

[illegible] Willie

W. D. Harrison	C. A. Towne	H. I. Field	R. Bell
R. M. Levy	[illegible] J. Gilman	D. Mendham	B. Buenger
H. B. Johnston	A. M. Muller	S. Stetz	D. Talvey
G. H. Baldauf	W. Vastrick	U. G. Stoeffler	V. Weaver

[illegible]

1959	[illegible]	[illegible]	Soluble	BOD	Flow (MGD)	Sus Solids	Fiber*	BOD	Removal % Efficiency Solids	Removal % Efficiency BOD	[illegible] Tons	[illegible]
2/23	----------	[illegible]	----------		6.79	91,700	0				172.4	66.4
24	93,000	6,650	[illegible],200		6.47	112,000	0				213.8	68.1
25	[illegible],500	7,650	99,500	35,800	6.63	50,800	0	35,200**			195.1	69.2
[illegible]	[illegible]	[illegible]	[illegible]		6.31	31,600	0				196.0	67.7
[illegible]	----------	[illegible]	----------		6.16	23,600	0				195.0	69.0
[illegible]23	82,000	6,000	101,500		6.80	no sample	0				220.5	66.4
	86,500	7,[illegible]	93,[illegible]	35,800	6.41	61,940	0	35,200**			198.8	67.8
						5[illegible],[illegible]00		16,[illegible]00				
[illegible]												
2/23	43,400	7,400	62,500		5.00	16,700	0				150.0	71.1
2/24	76,700	6,600	88,100		5.56	18,600	0				180.2	74.2
2/25	96,500	10,450	88,700	27,800	5.62	20,300	-	[illegible]00**			168.0	71.8
2/26	82,500	8,250	55,800		5.15	11,200	0				171.7	70.8
[illegible]/27	79,500	9,100	51,500		5.62	11,200	0				159.2	68.0
[illegible]/28	52,300	6,500	77,000		5.13	nosample	0				88.6	77.4
[illegible]	[illegible],[illegible]	8,000	70,600	27,800	5.35	15,600	0	19,400**			152.9	72.2
[illegible]	[illegible]der					76,500		11,100				

SCM CONFIDENTIAL

WEEKLY SUMMARY - WASTE TANK TESTS

To: Harley Nelson

From: R. J. Willie

cc: W. D. Harrison, R. M. Levy, H. B. Johnston, G. H. Baldauf, G. A. Towne, E. J. Gilman, A. M. Mulder, W. Vastrick, H. L. Field, D Mendham, S Stetz, U. C. Stoeffler, R. Bell, B. Buenger, D Falvey, V Weaver

KING DIVISION

Date 1959	INFLUENT (#/day) Sus Solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus Solids	Fiber*	BOD	Removal % Efficiency Solids	BOD	Waste Paper Inp Regular Tons	%Bo
M 2/9	93,500	9,800	105,000		7.00	24,500	0				20[illegible],6	66.[illegible]
T 2/10	97,200	7,750	98,200		[illegible]	24,000	0				178.2	68.[illegible]
W 2/11	98,5[illegible]	[illegible]	99,500		[illegible]	23,[illegible]	0				[illegible],2	67.4
T 2/12	87,300	7,700	110,300		[illegible]	[illegible]	0				[illegible]	[illegible]
F 2/13	[illegible]	[illegible]	92,[illegible]		[illegible]	[illegible]	0				1[illegible],7	[illegible]
S 2/14	12[illegible],000	[illegible],750	[illegible]		[illegible]	no sample	[illegible]				[illegible]	67.0
Avg	98,[illegible]	[illegible],273	105,[illegible]		[illegible]	[illegible]	0				[illegible]	[illegible]
WRC Order						53.700		16,300				

BRYANT DIVISION

Date 1959	Sus Solids	Fiber*	Soluble	BOD	Flow (MGD)	Sus Solids	Fiber*	BOD	Removal Solids	BOD	Regular Tons	%Bo
M 2/9	54,200	5,750	56,400		5.00	15,800	0				15[illegible]	[illegible]
T 2/10	46.000	4.700	62,500		5.00	20,000	0				1[illegible],9	[illegible]
W 2/11	80,000	7,250	73,500		5.50	40,400	0				[illegible]7.0	64
T 2/12	6[illegible],600	[illegible],300	64,800		5.55	14,900	0				162.0	6[illegible]
F 2/13	54,100	5,150	78,000		5.50	13,750	0				1[illegible].3	71.
S 2/14	Mill [illegible] at 7:00 a.m. today.										[illegible]	68[illegible]
Avg.	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	0				[illegible]	[illegible]
WRC Order						76,500		11,100				

SCM CONFIDENTIAL

SA 035166

WEEKLY SUMMARY - WASTE TANK TESTS

To: Harley Nelson

From: R. J. Willie

cc: W. D. Harrison, R. M. Levy, H. B. Johnston, G. H. Baldauf, W. Vastrick, G. A. Towne, E. J. Gilman, A. M. Mulder, U. G. Stoeffler, H. L. Field, D. Mendham, S. Stetz, R. Larson, R. Bell, B. Buenger, D. Falvey, V. Weaver

KING DIVISION

1959 Date	INFLUENT (#/day) Sus. Solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	BOD	Removal % Efficiency Solids	BOD	Waste Paper Input Regular Tons	% Bo[illegible]
2/M2	86,000	5,600	71,700		6.60	0	0				168.1	64.7
[illegible]	74,500	6,700	98,500		6.30	0	0				163.7	67.7
[illegible]	88,500	11,150	112,000		7.59	0	0				181.8	65.2
5	no sample	no sample	no sample		6.87	68,660**	0				209.1	66.0
6	99,500	8,450	109,000		6.87	0	0				160.3	67.9
[illegible]	--MILL DOWN--											
Avg.	87,125	7,975	97,800		6.85	68,660**	0				176.6	66.3
WRC Order						53,700		16,300				

BRYANT DIVISION

2/M2	42,800	3,900	37,800		5.03	0	0				148.1	61.0
2/T3	54,700	6,300	49,750		4.97	0	0				128.9	51.7
2/W4	67,500	7,200	63,700		5.47	0	0				145.5	58.[illegible]
2/T5	50,000	5,950	53,000		4.23	0	0				134.5	56.6
2/F6	53,700	4,200	39,900		3.19	0	0				136.8	57.[illegible]
2/S7	36,800	3,500	23,700		2.57	0	0				78.1	67.[illegible]
Avg.	50,917	5,175	44,642		4.24	0	0				128.6	58.[illegible]
WRC Order						76,500		11,100				

SCM CONFIDENTIAL

SA 035167

WEEKLY SUMMARY - WASTE TANK TESTS

To: Harley Nelson

From R. J. Willie

cc W. D. Harrison, R. M. Levy, H. B. Johnston, G. Baldauf, C. A. Towne, E. J. Gilman, A. M. Mulder, H. L. Field, D. Merdham, S. Stetz, R. Bell, B. Buenger, D. Talvey, V. Weaver

KING DIVISION

Date	INFLUENT (#/day) Sus Solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus Solids	Fiber*	BOD	Removal % Efficiency Solids	BOD	Waste Flow Input Regular Tons	[illegible]
M 1/26	157,000	22,800	97,500		6.50	13,000	0				138.8	71.4
[illegible]	70,500	6,950	108,500		6.50	7,600	0				191.4	70.8
[illegible]	87,700	6,150	119,500	27,950	6.50	30,300	0	15,000			189.9	68.6
[illegible]	111,200	11,000	108,500	30,300	6.50	13,000	0	16,750			203.9	84.2
[illegible]	99,600	7,500	101,500		6.40	6,400	0				185.2	65.6
[illegible]	110,600	11,300	131,000		6.55	0	0				221.9	64.9
[illegible]	105,934	10,950	111,084	29,125	6.49	14,060	0	15,875			188.[illegible]	70.[illegible]
WRC Order						53,700		16,300				

BRYANT DIVISION

Date	Sus Solids	Fiber*	Soluble	BOD	Flow (MGD)	Sus Solids	Fiber*	BOD	Removal % Efficiency Solids	BOD	Waste Flow Input Regular Tons	[illegible]
M 1/26	59,000	6,450	48,000		5.22	14,800	0				150.4	65.0
T 1/27	67,800	7,900	51,700		5.67	13,200	0				162.3	63.8
W 1/28	72,300	7,300	43,200	16,800	5.77	17,300	0	15,900			135.8	69.2
T 1/29	67,600	7,350	59,420	10,900	5.94	63,400	0	4,500			111.7	66.4
F 1/30	41,000	4,600	26,500		5.30	7,100	0				142.4	66.5
S 1/31	41,200	5,600	40,300		5.38	0	0				44.2	83.8
Avg	58,017	6,534	44,854	13,850	5.55	23,160	0	[illegible]			[illegible]	[illegible]
WRC Order						76,500		11,100				

SCM CONFIDENTIAL

WEEKLY SUMMARY - WASTE TANK TESTS

To: Harley Nelson

cc: W. D. Harrison, R. M. Levy, H. B. Johnston, G. Baldauf, G. A. Towne, E. J. Gilman, A. M. Mulder, H. L. Field, D. Meadham, S. Stets, R. Bell, B. Buenger, D. Falvey, V. Weaver

From: R. J. Willie

KING DIVISION

Date 1959	INFLUENT (#/day) Sus. Solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	BOD	Removal % Efficiency Solids	BOD	Waste Paper Input Regular Tons	%Book
M 1/19			115,200		6.00	16,000	0				12[illegible].1	69.2
0	78,000	6,600	108,500		6.50		0				190.7	75.5
1	Cleaning settling tank and bar grate.				6.00		0				204.3	72.0
2					6.00		0				183.5	73.5
3					6.50		0				214.1	74.5
24		MILL	DOWN									
Avg.	78,000	6,600	81,850		6.20	16,000	0				183.3	72.9
WRC Order						53,700		16,300				

BRYANT DIVISION

M 1/19	38,800	4,500	57,400		5.74	12,400	0				142.4	66.5
T 1/20	55,900	5,800	40,500		5.89	0	0				150.8	64.2
W 1/21	53,500	6,500	49,000		5.89	0	0				118.2	63.8
T 1/22	50,000	7,000	34,400		5.89	0	0				98.5	63.5
F 1/23	64,700	8,250	54,000		5.89	12,750	0				169.2	68.2
S 1/24	59,500	4,900	48,200		5.77	0	0				100.3	67.7
Avg.	53,733	6,158	47,250		5.84	12,575	0				129.7	65.6
WRC Order						76,500		11,100				

SCM CONFIDENTIAL

SH 851689

R. J. Willis

W. D. Harrison

1959

1959									
1/6	[illegible]	[illegible]	109,[illegible]		[illegible]			[illegible]	[illegible]
1/6	79,0[illegible]	[illegible]	115,[illegible]		[illegible]			196.	
	91,[illegible]	[illegible]	115,[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	
	[illegible]	[illegible]	[illegible]		[illegible]			[illegible]	
	[illegible]							[illegible]	
								[illegible]	
	[illegible]	[illegible]	[illegible]		[illegible]			[illegible]	
					[illegible]			[illegible]	
1/6	101,675	[illegible]	62,[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
/7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
/8	[illegible]	8,390	[illegible]		5.[illegible]	[illegible]		122.[illegible]	[illegible]
/9	75,88[illegible]	[illegible]	53,[illegible]		6.34			105.[illegible]	[illegible]
/10			[illegible]						
	87,849	11,705	52,429	16,400	5.5[illegible]	30,[illegible]	19,900	146.5	67.[illegible]

SCM CONFIDENTIAL

SA 035170

From: R.J. Willie

R.M.Levy
G.H.Baldauf

E.J.Gilman
L.Gayou
V.Weaver

U.G.Stoefflor
C.Mason

M.Carl
B.Buenger

KING DIVISION

Dec. Date	INFLUENT (#/day) Sus. Solids	Fiber#	Soluble	BOD	EFFLUENT (#/day) ** Flow (MGD)	Sus. Solids	Fiber#	BOD	Removal % Efficiency Solids	BOD	Waste Paper Inv Regular Tons	%Book
T 1960												
W												
T 12/1	188,400	58,300	120,000	-	7,190	188,400	24,000	-	0.0	-	258.5	67.3
12/6	356,600	37,000	127,700	-	7,654	123,800	7,650	-	65.3	-	276.8	67.7
12/7	197,000	15,000	125,500	-	7,521	214,500	20,080	-	0.0	-	268.1	61.0
12/8	No Sample		125,500	-	7,521	107,900	10,040	-	-	-	224.6	57.2
12/13	No Sample		-	-	7,313	No Sample		-	-	-	257.9	65.0
12/14	No Sample		-	-	7.313	No Sample		-	-	-	272.4	68.2
12/15	No Sample		-	-	7.313	No Sample		-	-	-	260.4	67.1
12/20	235,200	37,800	115,800	-	7.313	131,700	12,200	-	44.0	-	202.1	68.6
12/21	213,200	18,900	121,900	51,100	7.313	190,200	21,900	48,900	10.8	4.3	267.9	69.5
T 12/22	No Sample		-	-	7.313	No Sample		-	-	-	250.6	72.1
T 12/27	No Sample		-	-	7.313	No Sample		-	-	-	249.9	69.3
W 12/28	No Sample		-	-	7.313	No Sample		-	-	-	289.5	69.1
T 12/29	No Sample		-	-	7.313	No Sample		-	-	-	224.5	65.4
Ave.	238,100	33,400	122,700	51,100	7.362	159,400	15,980	48,900	30.0	4.3	254.1	66.7
WRC Order						53,700		16,300				

200 Mesh ** The flow is estimated from the 13th to the 29th.

SCM CONFIDENTIAL

SR 035171

1960

To: R.A.Larson

cc: W.D.Harrison, R.M.Levy, G.H.Baldauf, L.B.Owen, E.J.Gilman, L. Gayou, V.Weaver, S.Stetz, U.G.Stoeffler, C.Mason, B.Buenger, D.Falvey, M.Carl

From: R.J.Willie, R. Kremer

1960

KING DIVISION

Date	INFLUENT (#/day)				EFFLUENT (#/day)				Removal % Effiency		Waste Paper Inp Regular	
	Sus solids	Fibers	Soluble	BOD	Flow (MGD)	Sus. Solids	Fibers	BOD	Solids	BOD	Tons	% Boo
1/1	268,000	51,300	126,600	79,300	6.61	143,000	11,200	34,200	46.6	56.9	261.8	70.5
/2	138,000	5,400	97,300	-	6.49	100,600	2,160	-	27.1	-	244.2	73.2
/3	163,400	13,000	146,000	-	6.49	121,000	6,490	-	25.9	-	240.6	73.6
/8	184,500	11,900	132,000	-	7.52	146,000	10,000	-	20.9	-	239.8	72.8
/9	227,500	12,400	131,000	43,600	7.46	173,000	12,400	43,600	23.9	0.0	259.8	73.7
/10	156,000	11,300	132,000	-	7.52	79,000	2,510	-	49.4	-	226.4	78.2
/15	219,000	23,300	122,500	-	7.33	86,000	2,450	-	60.7	-	261.0	68.4
1/16	174,400	14,300	124,400	-	7.46	92,300	2,490	-	47.1	-	250.0	64.8
1/17	162.000	10,600	124,400	34,300	7.46	166,600	10,600	36,000	0.0	0.0	273.8	56.9
/22	181,200	14,300	119,000	41,600	7.12	95,200	4,750	23,200	47.5	44.2	265.2	59.7
/23	NO	SAMPLE		-	7.19	NO	SAMPLE	-	-	-	219.3	67.4
1/24	NO	SAMPLE		-	-	NO	SAMPLE	-	-	-	-	-
/29	158,400	12,000	120,000	-	7.19	145,400	12,000	-	8.2	-	312.6	65.0
1/30	169,200	13,800	96,000	38,400	7.19	145,000	9,600	33,000	14.3	14.1	226.1	68.7
e.	183,500	16,100	122,600	47,400	7.16	124,400	7,220	34,000	31.0	23.0	252.4	68.7
C Order						53,700		16,300				

CONFIDENTIAL SCM

SH 85172

1960

& R. Kremer

XXXXXXXXXX

XXXXXXXX

Oct

10/4	161,000	18,600	96,500	-	7.79	119,500	12,800	-	25.7	-	213.9	62.0
/5	179,000	17,900	104,000	-	7.72	110,800	7,800	-	38.1	-	260.5	65.1
/6	NO	SAMPLE		-	7.85	NO	SAMPLE	-	-	-	234.1	63.4
0/11	211,000	19,350	106,000	47,800	7.45	69,800	-	36,600	66.9	23.4	220.4	58.9
0/12	158,800	16,200	124,600	-	7.47	82,400	7,500	-	48.1	-	268.1	59.2
0/13	135,500	10,680	138,000	-	7.52	80,300	-	-	40.7	-	216.5	61.2
.0/18	139,000	16,950	108,800	-	7.26	36,300	4,850	-	73.9	-	216.1	65.4
.0/19	142,000	15,800	110,800	42,560	6.99	56,000	6,990	24,480	60.6	42.5	232.0	58.3
.0/20	140,000	14,550	116,600	-	6.99	91,000	4,660	-	35.0	-	275.6	66.9
10/25	227,000	25,300	112,600	-	6.74	41,800	20,300	-	81.1	-	262.4	74.3
10/26	168,500	12,000	108,800	-	6.87	90,400	4,570	-	46.3	-	255.7	73.2
14/27	147,400	11,660	111,300	38,190	6.36	106,000	10,600	29,700	28.1	22.2	237.5	74.6
	164,470	16,270	112,550	42,850	7.25	80,390	8,900	30,260	49.5	29.4	241.0	65.2

SCM CONFIDENTIAL

SA 035173

MONTHLY SUMMARY - WASTE TANK TESTS

To: R. A. Larson

From: R. J. Willie

cc: W. D. Harrison, R. M. Levy, H. B. Johnston, G. H. Baldauf, L. B. Owen, E. J. Gilman, A. M. Mulder, ~~D. Mendham~~, S. Stetz, U. G. Stoeffler, R. Bell, B. Buenger, D. Falvey, V. Weaver, W. Garrity, C. Mason

KING DIVISION

Date	Influent (#/day) Sus. Solids	Fiber*	Soluble	BOD	Effluent (#/day) Flow (MGD)	Sus. Solids	Fiber*	BOD	% Efficency Solids	BOD	Waste Pap Input Regular Tons	%Book
T 10/1	127.500	28.600	103.500		6.55	51.200	0		59.8		231.5	63.2
10/6	129.000	25.100	97.200	32.000	6.87	33.000	0	21.700	74.4	32.2		
10/7	126.000	20.200	117.000		6.39	90.500	0		28.2			
10/8	TANK DOWN **				6.50***	TANK DOWN						
10/1[illegible]	" "	**			6.50***	"						
10/1[illegible]	"	**			6.50***	"						
10/1[illegible]	"	**			6.50***	"						
10/2[illegible]	"				6.50	"						
10/2[illegible]	"				6.50	"						
10/2[illegible]	"				6.50	"						
W 10/2[illegible]	"				6.50	"					205.7	69.[illegible]
T 10/2[illegible]	"				6.50	"					237.3	64.[illegible]
T 10/2[illegible]	TANK DOWN				6.50	TANK DOWN					235.8	62.3
W												
T												
Ave	127.500	24.630	105.660	32.000	6.52	58.230	0	21.700	54.1	32.2	221.9	63.3
WRC Order						53,700		16,300				

*200 mesh ***Estimated Flow ** Burned out motor on big pump to settling tank

SCM CONFIDENTIAL

To: R.A.Larson

From: R.J.Willie

cc: W.D.Harrison, R.M.Levy, G.H.Baldauf, XXXXXXXXXXXX, L.B.Owen, XXXXXXX, E.J.Gilman, L.Gayou, V.Weaver, S.Stetz, U.G.Stoeffler, C.Mason, B.Buenger, D.Falvey, M.Carl

KING DIVISION

Sept. Date	INFLUENT (#/day) Sus. solids	Fiber#	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber#	BOD	Removal % Effiency Solids	BOD	Waste Paper Inp Regular Tons	% Book
	103,000	13,400	93,600	-	7.02	85,400	0	31,200	17.1	-	203.6	67.1
	75,300	17,800	91,000	-	7.26	21,800	0	15,100	71.0	-	174.6	66.7
	70,700	10,900	106,800	20,100	6.74	9,000	0	16,300	87.3	18.8	188.6	67.0
	79,700	11,700	90,800	-	6.80	4,700	0	14,700	94.1	-	176.1	67.1
13	95,300	18,200	130,100	-	7.14	8,300	0	18,300	91.2	-	212.7	62.1
14	85,000	12,000	101,800	36,800	7.19	7,200	0	29,100	91.4	20.9	161.5	68.2
15	93,600	13,100	91,400	-	6.87	37,700	0	26,900	59.6	-	224.2	65.3
T 9/20	DOWN		-	-	6.90	DOWN	-	-	-	-	184.2	64.3
W 9/21	DOWN		-	-	6.90	DOWN	-	-	-	-	231.9	64.8
T 9/22	134,400	14,800	110,500	-	7.39	73,900	9,800	-	44.8	-	240.2	64.7
T 9/27	128,200	9,500	117,800	30,200	7.85	173,000	20,900	36,000	-	-	230.9	63.4
W 9/28	NO	SAMPLE		-	8.55	85,500	8,500		-	-	227.8	65.8
9/29	166,800	18,900	128,200	-	8.55	115,200	14,200	14,200		30.9	242.1	61.7
Ave.	103,200	14,000	106,200	29,000	7.32	56,500	4,800	23,400	65.2	19.8	203.7	65.2
WRC Order						53,700		16,300				

SCM CONFIDENTIAL

SD 8X5175

To: R.A.Larson

From: R.J.Willie

cc: W.D.Harrison, R.M.Levy, G.H.Baldauf, L.B.Owen, E.J.Gilman, L. Gayou, V.Weaver, S.Stetz, U.G.Stoeffler, C.Mason, B.Buenger, [illegible]Falvey, [illegible]Carl

KING DIVISION

August 1960

Date	INFLUENT (#/day) Sus solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	BOD	Removal % Effiency Solids	BOD	Waste Paper Input Regular Tons	Boo
T 8/2	- DOWN **		-	-	-	DOWN	-	-	-	-	215.5	64.1
3	" "		"	-	-	-	-	-	-	-	213.8	65.3
4	" "		"	-	-	-	-	-	-	-	166.3	64.7
9	" "		"	-	-	-	-	-	-	-	188.2	61.2
10	" "		"	-	-	-	-	-	-	-	221.3	64.7
11	" "		"	-	-	-	-	-	-	-	226.7	60.0
16	163,000	27,900	109,000	-	5.93	14,800	0	-	91.1	-	236.9	65.5
17	NO SAMPLES			-	6.79	NO SAMPLES		-	-	-	205.0	65.7
18	NO SAMPLES			-	6.87	12,600	0	-	-	-	218.7	64.4
T 8/23	NO SAMPLES			-	6.50	NO SAMPLES		-	-	-	213.3	69.8
W 8/24	103,000	11,500	126,000	36,700	6.79	3,400	0	16,900	95.7	53.9	208.7	66.9
T 8/25	108,300	13,600	107,500	-	6.79	113,000	9,000	-	-	-	209.1	70.7
T 8/30	103,800	17,800	98,000	-	6.91	78,400	0	29,700	24.5	-	198.3	64.8
W 8/31	101,000	18,000	104,500	26,700	6.97	87,200	0	29,700	13.7	-	170.4	68.8
T												
Ave.	115,800	17,700	109,000	31,700	6.69	51,500	1500	25,400	56.2	53.9	206.6	65.5
						53,700		16,300				

* C Orders ** TANK DOWN FOR REPAIRS

SCM CONFIDENTIAL

SH 83176

To: R.A.Larson

From: R.J.Willie

cc: W.D.Harrison, R.M.Levy, G.H.Baldauf, J. D. Dailey, L.B.Owen, E.J.Gilman, L. Gayou, V.Weaver, S.Stetz, U.G.Stoeffler, C.Mason, B.Buenger, D.Palvey, M.Carl

KING DIVISION

July 1960 Date	INFLUENT (#/day) Sus. solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	BOD	Removal Efficiency % Solids	% BOD	Waste Paper Inp Regular Tons	Boo
7/5	DOWN	VACATION	-	-	DOWN	VACATION		-	-	-	-	-
7/6	"		"	-	"		"	-	-	-	-	-
7/7	"		"	-	"		"	-	-	-	-	-
7/12	NO	SAMPLES	**	-	NO	SAMPLES	**	-	-	-	242.7	72.8
7/13	137,100	19,600	109,200	29,600	5.95	19,900	0	17,300	85.5	41.6	231.6	69.5
7/14	98,000	12,800	98,600	-	5.93	22,700	0	22,000	76.8		237.7	69.5
7/19	NO	SAMPLES		-	6.10	36,600	0	21,300	-		248.8	65.8
7/20	67,100	6,500	108,200	-	6.55	50,700	0	-	24.4		224.0	67.6
7/21	113,000	20,000	111,800	-	6.39	47,800	0	-	57.6		235.4	70.6
7/26	-	-	-	-	6.55	60,000	0	-	-		248.3	65.4
7/27	125,000	17,300	98,000	35,400	6.55	68,000	8,170	26,900	46.0	24.0	158.9	68.4
7/28	126,000	19,000	80,000	-	6.39	87,000	-	-	31.0		218.3	68.7
Ave.	111,000	16,200	100,900	32,500	6.30	49,000	8,170	21,900	53.6	32.8	227.3	68.7
WRC Order						53,700		16,300				

SCM CONFIDENTIAL

SA 851277

MONTHLY SUMMARY - WASTE TANK TESTS

To: I A. Larson

From: R.J. Willie

cc: W.D. Harrison, R.M.Levy, G.H.Baldauf, L.B.Owen, E.J.Gilman, L.Gayou, V.Weaver, S.Stetz, U.G.Stoeffler, C.Mason, D.Fa[illegible]y, M.Carl, B.Buenger

KING DIVISION

June 1960 Date	INFLUENT (#/day) Sus. Solids	Fiber*	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber*	BOD	Removal % Efficiency Solids	BOD	Waste Paper Inpu[illegible] Regular Tons	%Book
/1	100,500	16,300	83,000	34,300	6.23	53,000	8,300	27,500	46.2	19.8	173.8	70.6
/2	143,000	28,800	98,300		6.55	152,000	28,300				228.4	69.0
/7	108,000	18,700	88,500	27,500	6.23	59,200	11,100	35,300	45.1		131.1	70.8
/8	162,400	32,800	92,300		6.16	84,200	11,600		47.0		208.4	70.0
/9	NO SAMPLES				6.16	105,600	12,300				234.6	68.0
6/14	122,100	24,600	123,200		6.16	11,300	0		90.7		227.5	69.6
6/15	89,000	15,500	108,800	34,700	5.93	23,700	0	25,100	73.4	27.7	248.0	68.[illegible]
6/16	105,000	21,800	114,200		6.23	17,600	0		83.2		249.8	66.[illegible]
6/21	145,000	32,100	109,100		6.55	31,000	0		78.7		258.6	69.[illegible]
6/22	83,100	10,500	113,300	28,100	6.47	33,400	0	19,900	59.7	29.1	232.3	68.[illegible]
6/23	98,200	11,300	108,000		6.47	35,500	0		63.8		251.8	68.0
6/28	121,000	21,300	125,100	43,300	6.55	19,600	0	25,200	83.8	41.7	224.1	69.[illegible]
6/29	106,800	19,900	114,400		6.55	12,200	0		87.7		258.0	70.[illegible]
6/30	113,600	19,300	106,000		6.37	30,800	0		72.8		254.4	68.[illegible]
Ave.	115,200	20,900	106,400	33,580	6.33	47,790	5,100	26,600	69.3	29.5	227.2	69.1
[illegible]C Order						53,700		16,300				

[illegible]00 Mesh

SCM CONFIDENTIAL

SH 035178

To: R.A.Larson

From: R.J.Willie

cc: W.D.Harrison, R.M.Levy, G.H.Baldauf, L.B.Owen, E.J.Gilman, L. Gayou, V.Weaver, S.Stetz, U.G.Stoeffler, C.Mason, B.Buenger, D.Falvey, M.Carl

KING DIVISION

May 1960	INFLUENT (#/day)				EFFLUENT (#/day)				Removal % Effiency		Waste Paper Inpu Regular	
Date	Sus. solids	Fiber#	Soluble	BOD	Flow (MGD)	Sus. Solids	Fiber#	BOD	Solids	BOD	Tons	% Book
T 5/3	122,500	15,300	119,500	-	6.23	24,900	0	-	79.7	-	221.3	69.9
/4	- No Sample		-	-	6.23	41,500	400	-	-	-	184.8	67.8
/5	99,000	13,900	99,000	-	5.93	76,200	7,900	-	23.1	-	235.2	71.6
/10	101,200	14,600	114,200	-	6.25	No Sample		-	-	-	174.1	66.2
5/11	132,300	20,000	81,300	-	6.50	No Sample		-	-	-	207.8	65.0
5/12	100,000	13,100	89,000	-	5.93	40,300	0	-	59.7	-	223.1	64.3
5/17	97,300	13,600	97,300	-	6.16	61,500	6,100	-	36.8	-	208.4	63.0
5/18	113,200	14,000	114,300	32,300	6.24	93,500	12,500	30,200	17.4	6.5	243.9	69.6
5/19	96,100	9,500	109,000	-	6.55	53,200	6,500	-	44.7	-	224.0	68.1
T 5/24	- No Sample		-	-	6.50	No Sample		-	-	-	234.7	65.7
W 5/25	112,800	19,500	119,200	-	6.50	44,300	0	-	60.6	-	224.1	65.6
T 5/26	118,000	20,000	130,000	42,700	6.50	24,800	0	22,700	78.9	46.8	249.4	64.4
T 5/31	91,500	13,100	126,200	-	6.50	49,300	0	-	46.1	-	243.2	69.4
W												
T												
Ave.	107,600	15,100	109,000	37,500	6.30	50,950	3,300	26,400	49.6	26.6	221.0	66.9
WRC Order						53,700		16,300				

SCM CONFIDENTIAL

SA 035179

MONTHLY SUMMARY - WASTE TANK TESTS

To: R. A. Larson

From: R. J. Willie

cc: W. D. Harrison, R. N. Levy, H. B. Johnston, G. H. Baldauf, L. B. Owen, ~~P. O. Grimaldi~~ Gayou, ~~A. F. Hardin~~ Weaver, D. Mendham, S. Stetz, ~~G. A. Meaker~~ Keyhart, R. Bell, B. Buenger, ~~J. Fulvey~~ M. Carl, Weaver, W. Garrity

April 1960

KING DIVISION

Date	Influent (#/day) Sus. Solids	Fiber*	Soluble	BOD	Effluent (#/day) Flow (MGD)	Sus. Solids	Fiber*	BOD	% Efficency Solids	% Efficency BOD	Waste Pap Input Regular Tons	Regular %Book
4/5	-	All Down **	-	- ****	All	Down **	-	-	-	22[illegible].5	70.0	
/6	"	"	-	"	"		-	-	-	23[illegible].5	68.4	
/7	"	"	-	"	"		-	-	-	229.1		
/12		No Sample ***	-	"	No Sample ***		-	-	-	16[illegible].7		
/13		"	-	"	"		-	-	-	19[illegible].6		
/14		"	-	"	"		-	-	-	22[illegible].1		
/19		"	-	"	"		-	-	-	20[illegible].9		
/20		"	-	"	"		-	-	-	22[illegible].9		
/21	103,000	15,000	104,000	- 6.2[illegible]	35,200	0	-	65.7	-	19[illegible].7		
4/26	117,000	20,800	113,300	- 6.5[illegible]	31,400	0	-	73.0	-	15[illegible].0		
W 4/27	113,500	18,400	102,000	- 6.80	93,000	13,600	-	18.1	-	18[illegible].3		
T 4/28	110,000	19,000	93,000	35,400 6.5[illegible]	69,800	17,400	27,200	36.6	30.3	18[illegible].4	72.2	
W												
T												
Ave												
[illegible]	110,800	18,300	103,200	35,400 6.5[illegible]	57,350	53,700 [illegible],700	27,200	16,300 48.3	30.3	20[illegible].6	69.7	

SCM CONFIDENTIAL

SR 031582

SCM CONFIDENTIAL

To: R .Larson

From: R.J.Willie

cc: W.D.Harrison, R.M.Levy, H.B.Johnston, G.H.Baldauf, L. Owen, E.J.Gilman, L.Gayou, V.Weaver, S.Stetz, U.G.Stoeffler, C.Mason, B.Buenger, D.Falvey, M.Carl, T.[illegible]hart

KING DIVISION

1960 Late	INFLUENT (#/day) Sus solids	Fibers	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fibers	BOD	Removal % Effiency Solids	BOD	Waste Paper In Regular Tons	% Book
3/1	166,500	18,300	198,000		7.00	164,500	0		-	-	220.1	66.3
2	138,600	14,000	87,600		7.00	18,700	-		-	-	220.9	65.8
3	-- Tank Down --				7.00	-- Tank Down --			-	-	235.5	63.8
8	69,000	9,900	105,000		7.00	158,500	20,000		-	-	203.0	71.8
9	113,200	14,800	140,000	35,600	7.00	134,000	21,000	42,600	-	-	220.0	70.5
/10	115,000	14,600	99,400		7.00	58,300	9,300		-	-	231.1	60.8
/15	No Sample		99,000		7.00	38,500	0		-	-	189.2	72.5
/16	No Sample		***		7.00	40,700	0		-	-	211.7	68.4
/17	No Sample		***		7.00	52,500	0		-	-	230.1	69.8
3/22	No Sample		***	64,200	6.50	46,600	0	31,500	-	51.0	190.4	61.9
3/23	No Sample		***		7.00	49,000	0		-	-	230.1	66.4
/24	No Sample		***		7.00	No Sample			-	-	199.3	66.3
/29	178,500	36,500	116,800		7.00	29,200	0		83.8	-	225.0	71.7
/30	137,600	19,800	157,500		7.00	21,000	0		84.6	-	261.3	73.0
/31	87,500	19,000	145,800		7.00	21,000	0		76.0	-	211.9	75.2
e.	125,700	18,300	127,670	49,900	6.96	64,300	3,880	37,050	81.5	51.0	218.6	68.3
C Order						53,700		16,300				

SH 335161

To: R.A.Larson

cc: W.D.Harrison, R.M.Levy, H.B.Johnston, G.H.Baldauf, L.B.Owen, F.J.Gilman, L.Gayou, V.Weaver, S.Stetz, U.G.Stoeffler, C.Mason, B.Puenger, [illegible]Selvey, [illegible]Carl, T. Kayhart

From: R.J.Willie

1960

KING DIVISION

FEB Date	INFLUENT (#/day) Sus solids	Fiber#	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fiber#	BOD	Removal % Effiency Solids	BOD	Waste Paper In Regular Tons	% Book
2/2	100,500	17,700	92,700	-	6.73	96,800 **	17,400	-	3.7	-	220.5	72.2
	102,000	17,400	104,100	-	6.95	68,300 **	9,300	-	33.1	-	229.4	71.2
	132,000	18,400	111,000	36,800	7.00	149,100 **	23,300	41,300		-	224.6	71.6
	87,700	11,400	105,500	-	7.02	49,000 **	2,300	-	44.2	-	190.2	70.2
)	122,500	12,000	122,500	-	7.00	88,500 **	700	-	27.8	-	229.3	72.5
1	126,000	14,000	111,000	-	7.00	106,000 **	9,300	-	15.9	-	234.4	74.7
6	119,000	16,300	122,300	-	7.00	152,000 **	9,300	-	-	-	246.8	68.9
7	93,500	12,300	114,000	-	6.85	106,000 **	13,200	-	-	-	223.4	72.2
8	99,500	14,800	97,000	-	6.85	108,000 **	13,700	-	-	-	214.6	69.5
2/23	127,500	20,500	115,000	-	6.90	77,000	11,500	-	39.6	-	229.7	69.8
2/24	110,200	18,000	95,800	-	6.75	95,800	11,200	-	13.1	-	228.8	73.8
2/25	95,800	11,700	111,300	31,700	7.00	70,000	6,000	36,400	26.9	-	207.3	70.4
[illegible]												
[illegible]												
[illegible]												
Ave.	113,850	15,370	108,550	34,250	6.92	97,200	11,000	38,850	25.5		223.2	71.4
WRC Order						53,700		16,300				

SCM CONFIDENTIAL

SA 0S3182

T : R.A.Larson

From: R.J.Willie

cc: W.L.Harrison, B.N.Levy, F.B.Johnston, G.H.Laldauf, [illegible] Owen, [illegible] Gilman, L.Gayou, V.Weaver, [illegible] Stetz, [illegible] Effler, [illegible] Mason, [illegible] Luenger

[illegible] Ivey, [illegible]

T. Kayhart

[illegible]ING DIVISION

Jan 1960 Date	INFLUENT (#/day) Sus. Solids	Fibers	Soluble	BOD	EFFLUENT (#/day) Flow (MGD)	Sus. Solids	Fibers	BOD	Removal % Efficiency Solids	[illegible]	Waste Paper Regular Tons	[illegible]
1/5	No	Sample	----	----	7.00	No	Sample	----	-	-	228.7	76
	95,600	13,100	99,300	31,200	7.00	25,600	0	29,100	73.2	6.8	190.8	75
	67,700	14,300	75,800	-	7.00	42,000	0	-	37.9	-	97.8	72.
12	125,500	15,900	112,800	-	7.52	120,200	17,200	-	4.2	-	246.3	67.
13	76,700	12,000	80,000	24,900	6.87	137,000	25,500	48,700	-	-	139.8	81
14	77,000	13,500	78,000	-	6.23	56,000	0	-	27.3	-	219.2	76.
19	** No	** Sample **		----	7.50	** No	Sample**	----	-	-	202.8	78.
20	** No	**Sample	**	----	7.50	35,100	0	-	-	-	252.9	73.
21	** No	** Sample	**	-----	7.37	125,000	12,500	-	-	-	243.3	71
1/26	122,500	22,200	144,000	-	7.50	76,500	5,000	-	37.5	-	231.1	71.
1/27	105,500	22,600	95,700	32,900	7.20	78,000	19,100	30,000	26.1	8.8	211.1	67.
1/28	105,900	15,500	93,000	-	6.55	84,000	10,900	-	20.7	-	255.9	72.
[illegible]	97,050	16,100	97,300	29,660	7.10	77,940	9,050	35,900	32.4	7.8	209.9	73.
[illegible] Order						53,700		[illegible]				

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SH 835183

FROM: Fred Harrison

cc: J. [illegible] Bailey, [illegible] J. Gilman, D. Falvey, [illegible] Levy, [illegible] Stetz, Process [illegible], G. H. Balmuf, R. Bannett

DIVISION	DATE	INFLUENT			EFFLUENT				REMOVAL %	
		Susp. solids (#/1000gal.)	Fiber 200 Mesh (#/1000gal.)	BOD (ppm)	Flow (MGD)	Susp. solids (#/1000gal.)	Fiber 200 Mesh (#/1000gal.)	BOD (ppm)	Solids	BOD (ppm)
KING	8/4/61	46.6	4.58	409	6.5	9.17	0.83	368	80.3	10
BRYANT	8/4/61	28.2	0.83	524	1.2	4.50	0.24	273	84.0	47.9

1961

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SA 035184

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	7/20/61	16.2	2.10	375	6.3	16.2	2.10	365	0	2.67
	7/20/61	29.2	4.84	562	2.0	2.0	0	165	93.1	70.6

SH 935136

WEEKLY SUMMARY - WASTE TANK TESTS

O: Les Stoeffler

ROM: Fred Harrison

cc: J. D. Dailey, R. M. Levy, G. H. Baldauf, E. J. Gilman, S. Stetz, R. Bennett, D. Falvey, Process C.

DIVISION	DATE	INFLUENT Susp. solids (#/1000gal.)	INFLUENT Fiber 200 Mesh (#/1000gal.)	INFLUENT BOD (ppm)	EFFLUENT Flow (MGD)	EFFLUENT Susp. solids (#/1000gal.)	EFFLUENT Fiber 200 Mesh (#/1000gal.)	EFFLUENT BOD (ppm)	REMOVAL % Solids	REMOVAL % BOD (ppm)
ING	7/11/61	12.8	2.42	581	7.2	9.02	1.17	369	29.7	36.5
	7/12/61	28.4	5.34	673	7.6	6.85	1.17	349	75.9	48.1
RYANT	7/11/61	33.4	4.34	907	2.9	-	0.25	334	-	63.3
	7/12/61	28.7	1.25	637	3.0	5.84	0	290	79.8	54.5

SCM CONFIDENTIAL

BA 035187

WEEKLY SUMMARY - WASTE TANK TESTS

TO: Chas Stoeffler

FROM: Fred Harrison

cc: J. D. Dailey, E. J. Gilman, D. Falvey, R. M. Levy, S. Stetz, Process C., G. H. Baldauf, R. Bennett

DIVISION	DATE	INFLUENT			EFFLUENT				REMOVAL %	
		Susp. solids (#/1000gal.)	Fiber 200 Mesh (#/1000gal.)	BOD (ppm)	Flow (MGD)	Susp. solids (#/1000gal.)	Fiber 200 Mesh (#/1000gal.)	BOD (ppm)	Solids	BOD (ppm)
ING	7/6/61	17.2	2.5		7.0	9.0	0.33		47.6	
	7/7/61	15.2	2.17	555	7.0	6.4	0.08	437	58.0	21.3
RYANT	7/7/61	37.7	12.5	1560	1.1 (By-passing)	1.84	0	339	95.1	78

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SH 035183

SCM CONFIDENTIAL

KING WASTE TREATMENT SUMMARY

May 1963

TO: U. G. STOEFFLER ✓

FROM: P. H. GERMANN

cc: W. D. Harrison, J. D. Dailey, E. J. Gilman, R. M. Levy, G. H. Baldauf, J. Galloway, R. Mendham, S. Stetz, R. Bennett

DATE	FLOW (MGD)	INFLUENT (#/DAY) SOLIDS	FIBER	BOD	EFFLUENT (#/DAY) SOLIDS	FIBER	BOD	REMOVAL (%) SOLIDS	FIBER	BOD
4/29	7.16	131,000	20,400	-	35,800	-0-	20,200	72.6	100	-
4/30	7.16	157,500	26,800	-	66,800	-0-	14,800	57.5	100	-
5/1	7.09	154,000	25,400	38,000	62,600	1,130	18,000	59.3	95.5	52.5
5/2	7.09	177,500	30,700	38,000	49,600	1,770	13,600	72.0	94.2	64.2
5/3	7.16	154,000	29,800	-	53,700	8,300	-	65.1	72.1	-
5/4	6.95	130,000	26,200	-	44,600	5,770	-	65.6	77.9	-
5/6	7.56	93,100	27,700	63,000	14,500	6,270	34,400	84.4	77.3	45.3
5/7	7.24	203,000	71,800	41,600	74,000	6,000	22,800	63.5	91.6	45.1
5/8	7.24	175,000	33,200	43,000	78,500	-0-	21,500	55.1	100.0	50.0
5/9	7.24	121,000	33,200	-	-	-	-	-	-	-
5/10	7.24	132,000	31,400	-	60,000	-0-	-	54.5	100.0	-
5/13	7.42	198,000	39,000	25,600	78,000	1.260	15,400	60.6	96.7	39.8
5/14	7.09	186,000	39,600	22,600	107,500	7,090	14,700	42.2	82.0	34.9
5/15	7.09	175,000	34,300	19,750	67,400	3,540	13,400	61.4	89.6	32.1
5/16	7.09	222,000	47,900	25,600	63,800	3,540	-	71.2	92.6	-
5/20	7.09	-	-	40,000	-	-	20,700	-	-	48.2
5/21	7.09	252,000	49,000	30,500	65,000	589	21,800	74.2	98.7	28.5
5/22	7.09	215,000	39,600	23,100	57,900	-0-	16,950	73.0	100.0	26.6
5/23	7.09	167,000	30,200	29,100	66,200	589	18,400	60.3	98.0	36.7
5/24	6.95	133,500	21,400	-	65,000	3,550	-	51.3	83.4	-
5/25	7.09	125,000	23,700	-	64,900	1,740	-	48.0	92.6	-
Avg.	7.15	165,080	34,030	33,830	61,900	2,690	19,000	62.7	91.7	42.0

SM 831191

KING DIVISION WASTE TREATMENT - APRIL 1963

TO: U. G. STOEFFLER ✓ cc: W.D. Harrison R.M. Levy R. Mendham R.J. Willie
J.D. Dailey G.H. Baldauf S. Stetz
FROM: P. H. GERMANN E.J. Gilman J. Galloway R. Bennett

DATE	FLOW	INFLUENT (#/DAY)			EFFLUENT (#/DAY)			REMOVAL (%)		
		SOLIDS	FIBER	BOD	SOLIDS	FIBER	BOD	SOLIDS	FIBER	BOD
1	6.7	220,000	38,000	-	60,000	1,675	-	72.7	95.6	-
2	6.5	195,000	64,000	-	71,000	2,140	-	63.6	95.7	-
3	6.5	127,000	21,700	-	58,500	4,350	-	53.1	80.0	-
4	6.4	125,000	27,700	-	71,500	3,200	-	43.2	88.5	-
5	6.4	93,000	20,400	-	66,300	1,090	-	29.0	94.6	-
6	6.5	120,000	25,000	-	22,200	1,130	-	81.7	95.5	-
7	6.4	123,000	32,000	-	26,600	- 0 -	-	78.4	100	-
8	6.3	169,000	41,000	-	47,300	1,575	-	72.2	96.2	-
9	6.3	153,000	28,900	-	69,300	- 0 -	-	54.7	100	-
10	6.5	162,500	-	-	76,500	- 0 -	-	53.0	100	-
11	6.5	124,500	-	-	59,500	- 0 -	-	52.2	100	-
12	6.5	166,000	28,200	-	113,500	5,400	-	31.6	80.8	-
13	6.5	-	-	-	48,700	- 0 -	-	-	100	-
15	6.7	202,000	48,200	-	55,700	5,550	-	72.5	88.5	-
16	7.0	114,000	24,800	-	69,500	5,140	-	31.6	79.3	-
17	7.2	126,500	33,100	-	24,100	- 0 -	-	81.0	100	-
18	7.0	125,000	23,800	-	18,600	1,740	-	85.2	92.7	-
19	7.0	166,000	43,300	-	51,500	5,200	-	69.0	88.0	-
20	7.1	147,000	32,500	-	49,100	5,900	-	66.5	81.8	-
21	7.2	189,000	35,000	18,300 *	104,000	6,000	18,000 *	45.0	82.8	1.6
22	7.0	168,000	24,500	18,700 *	60,800	2,330	16,900 *	63.8	90.5	9.6
23	7.1	144,500	21,300	24,200	71,000	2,340	14,565	50.9	89	41.6
24	7.0	180,000	34,200	23,600	134,500	1,740	20,600	25.3	94.9	12.7
25	7.0	173,000	26,900	24,000	73,800	2,940	18,500	57.4	89.1	22.9
Avg.		152,700	32,100	21,800	62,600	2,480	17,700	59.0	92.5	14.2

* By NSCI

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KING DIVISION
WASTE TREATMENT -- MARCH 1963

TO: U. G. STOEFFLER

CC: W. D. HARRISON, G. H. BALDAUF, R. BENNETT, J. D. DAILEY, J. GALLOWAY, R. J. WILLIE, E. J. GILMAN, H. MENDHAM, R. M. LEVY, S. STETZ

FROM: P. H. GERMANN

DATE	FLOW	INFLUENT (#/DAY)			EFFLUENT (#/DAY)			REMOVAL (%)		
	(MGD)	SOLIDS	FIBER	BOD *	SOLIDS	FIBER	BOD *	SOLIDS	FIBER	BOD
5	7.2	222,000	51,600	-	11,950	None	-	94.6	100	-
6	7.0	175,000	40,800	-	11,600	"	-	93.4	"	-
7	6.8	184,000	51,000	-	24,000	"	-	87.0	"	-
11	7.9	242,000	40,000	-	97,500	6,550	-	60.0	83.6	-
12	8.0	154,000	27,400	41,000	84,000	2,640	24,200	45.5	90.4	41
13	6.7	181,000	25,100	37,400	60,300	1,680	24,300	66.6	93.3	35
14	6.5	196,000	31,400	39,600	92,000	2,720	23,400	53.0	91.3	41
18	6.5	124,000	21,100	26,800	70,500	None	16,800	43.0	100	37
19	6.8	136,000	27,200	-	38,500	"	-	71.6	"	-
20	7.0	127,000	24,500	-	18,600	"	-	83.3	"	-
21	6.8	130,000	25,500	-	34,000	"	-	73.8	"	-
22	6.7	119,000	27,900	-	48,000	"	-	60.0	"	-
25	6.7	123,000	29,400	-	3,350	"	-	97.3	"	-
26	6.7	145,000	33,500	-	8,960	"	-	93.8	"	-
27	6.9	126,000	35,600	-	11,500	5,700	-	90.9	84	-
28	6.9	141,000	25,900	-	54,000	None	-	61.7	100	-
29	6.9	136,000	29,100	-	13,500	"	-	90.2	"	-
Avg.	6.9	156,500	32,200	36,200	40,100	1,100	22,175	74.4	96.6	38.5

* NCSI Lab

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HS 855193

TABLE I

KING DIVISION WASTE TREATMENT

TO: U. G. STOEFFLER

FROM: P. H. GERMANN

CC: W. D. Harrison
J. D. Dailey
R. M. Levy
G. H. Baldauf

1963	NCSI BOD (PPM) INF	NCSI BOD (PPM) EFF	FLOW (MGD)	BOD (#/DAY) INF	BOD (#/DAY) EFF	SUSPENDED SOLIDS (#/DAY) INF	SUSPENDED SOLIDS (#/DAY) EFF	FIBER (#/DAY) INF	FIBER (#/DAY) EFF	DI FURNISH % BOOK	DI FURNISH TOTAL TONS
3/12	616	363	8.0	41,000	24,200	154,000	84,000	27,400	2,640	52	225
3/13	668	364	6.7	37,400	24,300	181,000	60,300	25,100	1,680	53	188
3/14	593	350	6.5	39,600	23,400	196,000	92,000	31,400	2,720	49	201
3/18	490	310	6.5	26,800	16,800	124,000	70,500	21,100	none	51	165
4/21	305	300	7.2	18,300	18,000	189,000	104,000	35,000	6,000	47	220
4/22	320	290	7.0	18,700	16,900	168,000	60,800	24,500	2,330	48	230
	R & D BOD (PPM)										
4/23	410	248	7.1	24,200	14,565	144,500	71,000	21,300	2,340	48	236
4/24	405	354	7.0	23,600	20,600	180,000	134,500	34,200	1,740	50	188
4/25	412	317	7.0	24,000	18,500	173,000	73,800	26,900	2,940	53	238

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	Period #1	Period #2
King Division	.972 MGD	.571 MGD
Bryant Division	4.79 MGD	3.43 MGD
Monarch Division	2.128 MGD	1.86 MGD
Total	7.89 MGD	5.86 MGD

TABLE 1 Laboratory analysis of composite samples

Parameter	Survey Period	King 1	King 2	Bryant 1	Bryant 2	Monarch 1	Monarch 2
	Concentration	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
5 day BOD		120	170	280	240	32	13
Suspended solids		72	46	204	214	28	16
Suspended volatile solids		29	32	74	62	13	12
Settleable solids		37	16	17	16	22	11
pH		6.9	7.3	6.6	7.1	7.3	7.5

TABLE 2 Pounds per day to Kalamazoo River

Period #1	King	Bryant	Monarch	Total
5 day BOD	972	11,200	568	12,740 #/day
Suspended solids	583	8,140	496	9,219 #/day
Suspended volatile solids	235	2,960	231	3,426 #/day
Settleable solids	299	679	390	1,368 #/day
Period #2				
5 day BOD	810	6,860	202	7,872
Suspended solids	220	6,120	248	6,588
Suspended volatile solids	153	1,775	186	2,114
Settleable solids	76.4	457	171	704.4

Pound per day was computed using following formula:

Flow (MGD) x concentration (mg/l) x unit wt. of water (8.34 lbs/gal) = lbs/day

TABLE 3 Paper production in tons during survey period

	King	Bryant	Monarch	Total
Period #1	234	211.5	82.5	528
		De-inking mill input 114 tons		
			output 91.6 tons	
Period #2	145.8	216.0	51.5	413.3
		De-inking mill input 109 tons		
			output 87 tons	

TABLE 4 Gallons of waste water discharged per ton of paper products

Period #1	4,154	22,650	25,790	14,940
Period #2	2,640	23,530	36,200	14,120

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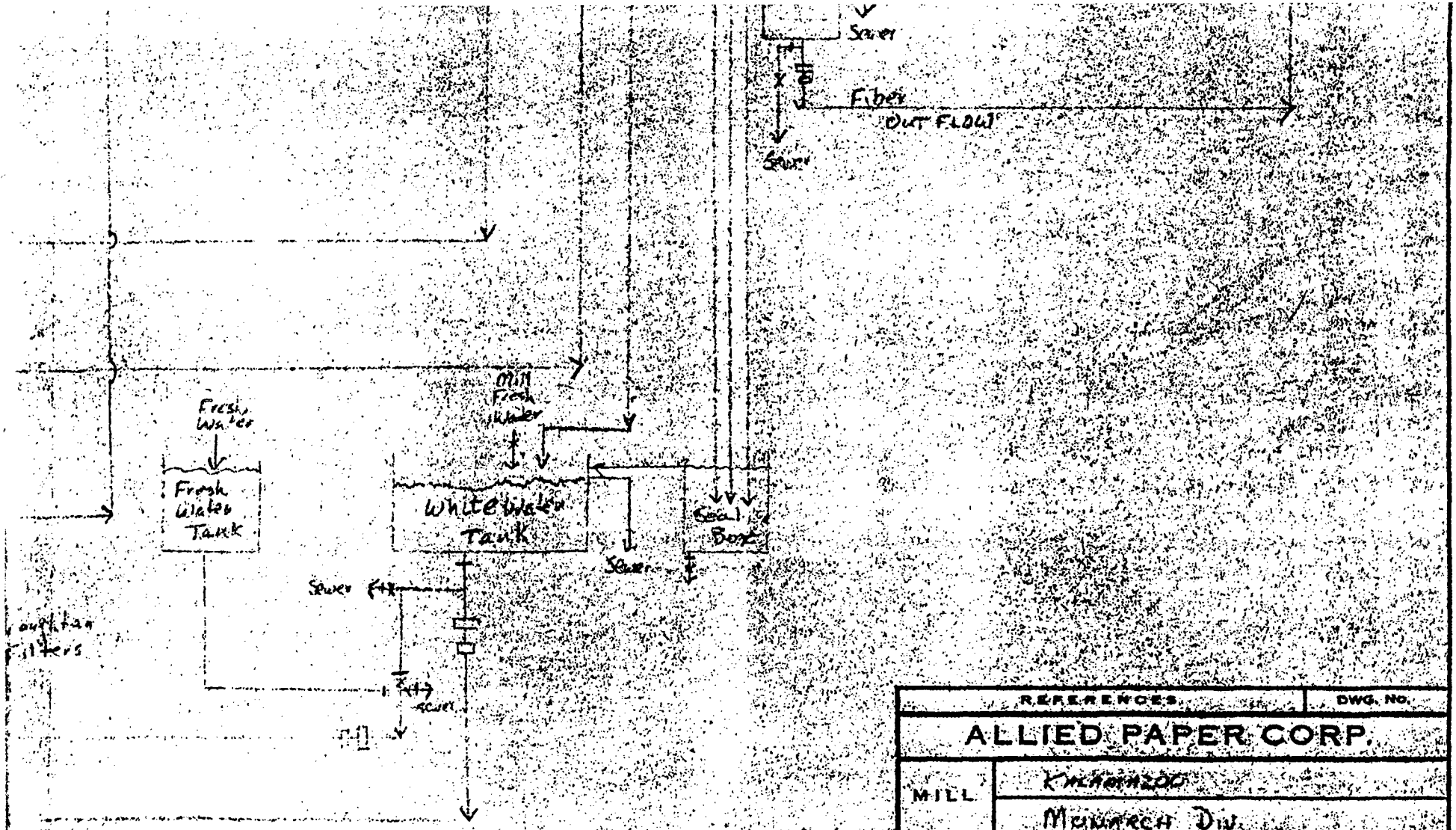
Table 2

Production at Bryant Mill

Paper Machines		De-Inking Tons In	(80% In) Tons Out
First Survey Period	209.2 Tons	137	109.9
Second Survey Period	172.9 Tons	118	94.5



REFERENCES	DWG. NO.

ALLIED PAPER CORP.

MILL	KALAMAZOO
	MONARCH DIV.

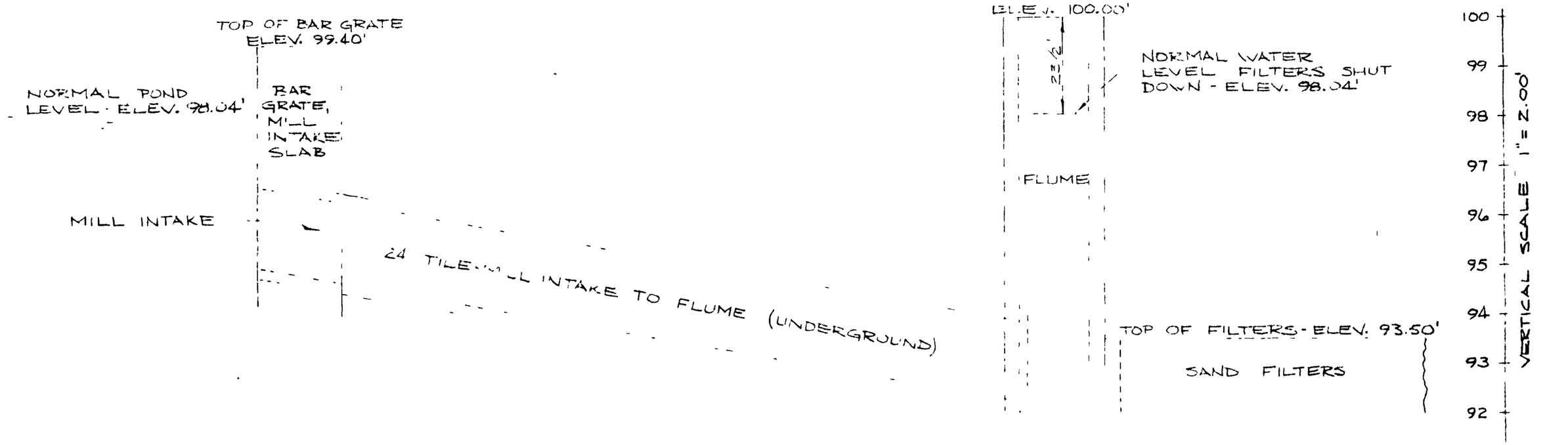
TITLE STOCK & W.W. FLOWS DIAGRAM #10 P.M.

REVISIONS

	NO.	BY	YR.
SCALE			
DRAWN John	1	CS	75
TRACED			
CHECKED			
CHECKED			
APPROVED			

DWG. NO. 000058

WHEATON BLUE PRINT 250 198H 8-66



ALLIED PAPER CORP.	EH-1234
REFERENCES	DWG. No.

ALLIED PAPER CORP.

MILL	KALAMAZOO
	MONARCH DIVISION

TITLE SCHEMATIC OF WATER LEVELS FROM CREEK TO FILTERS

SCALE NONE	NO.	DAY	YR.	DWG. No.
DRAWN GREG	7	21	76	
TRACED				EH-1233
CHECKED				
CHECKED				
APPROVED				

WAS EM-221

REVISIONS	

92-2167

STATE OF MICHIGAN

WATER RESOURCES COMMISSION

G. MENNEN WILLIAMS, GOVERNOR

STAFF OFFICES
STATION B
LANSING 13, MICHIGAN

April 9, 1958

RECEIVED
APR 11 1958
ALLIED PAPER MILLS

Mr. W. A. Kirkpatrick
Vice President
Allied Paper Corporation
Kalamazoo, Michigan

Dear Mr. Kirkpatrick:

The Commission is planning to resume its consideration of Kalamazoo area pollution problems on Wednesday, May 28, 1958 in Kalamazoo at 1:30 P. M. Dr. Kadelman and Western Michigan University are making available for this session, Room B-11 in the new Paper Institute Laboratory on the new university campus.

This conference is intended primarily to bring together all paper mill and municipal officials. A few representatives of conservation groups, the chamber of commerce, the press and local area members of the legislature and other interested citizens will be welcome observers should they care to attend.

The problem before the Commission is this. With municipal sewage collection and treatment and waste-reduction by industry now in effect, all pursuant to previously adopted orders of the Commission, a stretch of Portage Creek and many miles of the river are seasonally at least a liability rather than an asset. Conditions here preclude any further expansion by the principal water using industry or others dependent on river water use. Offensive odor, riparian injuries and a water habitat unfit for fish and aquatic life are necessarily the rule rather than the exception.

As an aid to exploring the direction in which further progress can and should be made, please note the results of our 1956 Staff Survey, copy of which is enclosed. In addition paper mill managements addressed will receive a second page of this letter having reference to their particular problem and possible potential future obligations.

The Commission feels that the conference time should not be taken up with technicalities or clarification of technical details that can best be ironed out in advance of the meeting between the technical people. Accordingly it has directed that key members of our technical staff make themselves available upon request to meet individually or with the paper mill technicians as a group, at a mutually convenient time and place to discuss technical aspects of the report which may require further explanation. These preliminary discussions should be concluded prior to May 16th. Your cooperation and participation will be appreciated.

Very truly yours,
WATER RESOURCES COMMISSION

William F. Adams
Executive Secretary

GENERAL STATEMENT

Figure 7 (page 18) shows observed river conditions during the intensive river survey of August, 1956. Note extent of zero dissolved oxygen depletion of the river, with a flow of 510 c.f.s. about 2-1/2 times the recorded minimum flow.

The report was prepared to predict the expected river condition under reduced waste loads and various river flows. As an example of how it can be used, we might assume that the Commission proposes to maintain the minimum mean daily concentration of dissolved oxygen in the river at or above 30% of the saturation value (2.46 p.p.m.) with a river temperature of 26° C. and flow of 260 cubic feet per second. In addition we will assume that the rate of self purification in the river will decrease to 86% of the observed rate in 1956. Under these conditions the maximum daily oxygen demanding load that can be discharged to the river from Comstock through Otsego is approximately 254,000 population equivalent or 42,400 pounds of 5-day biochemical oxygen demand.

Specific possible solutions for Allied Paper Corporation, King Division

Two schemes of allocation of this resource can be used: (a) Require 51.4% reduction of all waste loads from the 1950 level; (b) Require a 75% reduction of the 1950 de-ink mill waste loads with all other waste sources limited to their 1955-56 level. Under these two schemes your share of this allocation would be either -

(a) 6,293 of 5-day B.O.D. or population equivalent of 37,683

(b) 4,075 of 5-day B.O.D. or population equivalent of 24,400

Ralph W. Purdy

Robert Courchaine

GENERAL STATEMENT

Figure 7 (page 18) shows observed river conditions during the intensive river survey of August, 1956. Note extent of zero dissolved oxygen depletion of the river, with a flow of 610 c.f.s. about 2-1/2 times the recorded minimum flow.

The report was prepared to predict the expected river condition under reduced waste loads and various river flows. As an example of how it can be used, we might assume that the Commission proposes to maintain the minimum mean daily concentration of dissolved oxygen in the river at or above 30% of the saturation value (2.46 p.p.m.) with a river temperature of 26° C. and flow of 260 cubic feet per second. In addition we will assume that the rate of self purification in the river will decrease to 86% of the observed rate in 1956. Under these conditions the maximum daily oxygen demanding load that can be discharged to the river from Comstock through Otsego is approximately 254,000 population equivalent or 42,400 pounds of 5-day biochemical oxygen demand.

Specific possible solutions for Allied Paper Corporation, Monarch Division

Two schemes of allocation of this resource can be used: (a) Require 61.4% reduction of all waste loads from the 1950 level; (b) Require a 75% reduction of the 1950 de-ink mill waste loads with all other waste sources limited to their 1955-56 level. Under these two schemes your share of this allocation would be either -

(a) 3,000 of 5-day B.O.D. or population equivalent of 23,359

(b) 4,026 of 5-day B.O.D. or population equivalent of 15,125

Ralph W. Purdy

Robert Courchaine

GENERAL STATEMENT

Figure 7 (page 18) shows observed river conditions during the intensive river survey of August, 1956. Note extent of zero dissolved oxygen depletion of the river, with a flow of 610 c.f.s. about 2-1/2 times the recorded minimum flow.

The report was prepared to predict the expected river condition under reduced waste loads and various river flows. As an example of how it can be used, we might assume that the Commission proposes to maintain the minimum mean daily concentration of dissolved oxygen in the river at or above 30% of the saturation value (2.46 p.p.m.) with a river temperature of 26° C. and flow of 260 cubic feet per second. In addition we will assume that the rate of self purification in the river will decrease to 86% of the observed rate in 1956. Under these conditions the maximum daily oxygen demanding load that can be discharged to the river from Comstock through Otsego is approximately 254,000 population equivalent or 42,460 pounds of 5-day biochemical oxygen demand.

Specific possible solutions for Allied Paper Corporation, Byrant Division

Two schemes of allocation of this resource can be used: (a) Require 51.4% reduction of all waste loads from the 1950 level; (b) Require a 75% reduction of the 1950 de-ink mill waste loads with all other waste sources limited to their 1955-56 level. Under these two schemes your share of this allocation would be either -

(a) 4,258 of 5-day B.O.D. or population equivalent of 25,676

(b) 2,776 of 5-day B.O.D. or population equivalent of 16,625

Ralph W. Purdy

Robert Courchaine

COPY

Report of Waste Surveys
at
Allied Paper Company
(Monarch Division)
Kalamazoo, Michigan

Survey Periods (24 hours for each)

January 10, 1956
January 11, 1956
January 12, 1956
January 13, 1956
January 14, 1956
January 15, 1956
January 16, 1956

Summary of Results:

Date	1-10	1-11	1-12	1-13	1-14	1-15	1-16
Flow, million g.p.d.	3.5306	3.7333	3.6860	3.5262	3.4319	0.6463	4.0465
Production, tons	113.28	101.68	110.50	94.64	97.94		83.02
5-Day B.O.D., lbs.	10,255	9,029	12,106	6,718	6,476		10,256
5-Day B.O.D., lbs/ton paper	90.52	88.83	109.55	70.96	66.12		123.53
Total Susp. Sol., lbs.	16,955	17,280	20,056	21,256	15,565		14,936
Total Susp. Sol., lbs/ton paper	149.69	169.96	181.50	224.59	158.92		179.90
Total Susp.Vol.Sol.,lbs.	6,218	4,359	5,525	5,578	5,164		4,739
Total Susp.Vol.Sol., lbs/ton paper	54.90	42.79	50.00	69.51	52.73		57.08
Gallons waste per ton paper	31,219	36,644	33,357	37,259	35,040		48,741
Population Equivalent	61,407	54,066	72,491	40,228	38,776		61,413
Settleable Solids Removal%		91.23	93.21	68.49	75.51		86.73
Other Paper Processing Susp. Sol. lbs.	1,212		1,150	670	453		256
Other Paper Processing Susp.Sol., lbs/tonPaper	10.70		10.41	7.08	4.63		3.08

Type of Mill Production:

De-ink Mill

Mill Water Supply:

Well Water and Portage Creek

Waste Control:

De-ink waste and bleach plant waste flows by gravity to the main pump house. White water is pumped to the gravity line. De-ink waste, bleach water and white water are pumped to a 90-foot diameter clarifier with a 12-foot side water depth. Effluent is discharged to Portage Creek. Sludge is discharged to a large lagoon. Occasional white water overflows and coating room wastes are discharged to Portage Creek through the Cork Street weir.

Survey Procedure:

Effluent from the clarifier is discharged through a weir box. A company installed recording head meter was used to obtain a continuous record of the flow. A composite sample of the effluent was obtained from the company's sampling device (water wheel type sampler).

An influent sample was obtained from the discharge line from the pump house. A constant size sample is taken at set time intervals by a timing device and valve arrangement.

White water overflows and other miscellaneous wastes plus uncontaminated were measured at a previously constructed weir in a culvert underneath Cork Street. A recording head meter was installed at the weir to obtain a continuous daily record of the flow. Samples were taken by an automatic sampler and composited for each survey period.

Survey Data:

Influent							
Date	1-10	1-11	1-12	1-13	1-14	1-15	1-16
5-Day B.O.D., ppm	420	380	495	285	285	30	395
Susp. Sol., ppm	1500	1440	1590	1500	1130	140	1370
Susp. Vol. Sol., ppm	870	800	870	780	770	110	790
2-hr. Settleable Sol., ppm		970	1046	1165	790		1078
pH	8.3	7.3	6.9				
Effluent							
5-Day B.O.D., ppm	340	290	370	225	225		285
Susp. Sol. ppm	510	555	625	700	523		435
Susp. Vol. Sol. ppm	130	140	165	210	165		135
pH	7.6	7.1	7.2				
Flow, million gals/day	3.5366	3.7333	3.6860	3.5232	3.4319	0.5463	4.046
Other wastes							
5-Day B.O.D., ppm	8		23	5.0	3.5	37	4.2
Susp. Sol., ppm	32		33	20	19	210	14
Susp. Vol. Sol., ppm	24		13	12	15	68	10
pH	8.1		7.7				
Flow, million gals/day	4.543	4.3018	4.1770	4.0200	2.8605		2.188
Portage Creek							
5-Day B.O.D., ppm			3.1				1.4
Susp. Sol., ppm			0				0.0
Production, tons	113.28	101.86	110.50	94.64	97.94	0	83.02

Survey Calculations:

Pounds of 5-Day B.O.D. to River

1-10	3.5366 x 8.34 x 340	=	10,028
	4.543 x 8.34 x (8-2)	=	227
	Total		10,255

1-11	3.7333 x 8.34 x 290 =	9,029	
	Total		9,029
1-12	3.6860 x 8.34 x 370 =	11,374	
	4.1770 x 8.34 x (23-2) =	732	
	Total		12,106
1-13	3.5262 x 8.34 x 225 =	6,617	
	4.0200 x 8.34 x (5-2) =	101	
	Total		6,718
1-14	3.4319 x 8.34 x 225 =	6,440	
	2.8605 x 8.34 x (3.5-2) =	36	
	Total		6,476
1-16	4.0465 x 8.34 x 285 =	9,618	
	2.1884 x 8.34 x (37-2) =	638	
	Total		10,256

Pounds of 5-Day B.O.D. per ton of paper

1-10	10,255	/ 113.28	= 90.52
1-11	9,029	/ 101.38	= 88.63
1-12	12,106	/ 110.50	= 109.55
1-13	6,718	/ 94.64	= 70.98
1-14	6,476	/ 97.94	= 66.12
1-16	10,256	/ 83.02	= 123.53

Population Equivalent

1-10	10,255	/ 0.167	= 61,407
1-11	9,029	/ 0.167	= 54,066
1-12	12,106	/ 0.167	= 72,491
1-13	6,718	/ 0.167	= 40,226
1-14	6,476	/ 0.167	= 38,778
1-15	No Data		
1-16	10,256	/ 0.167	= 61,413

Total pounds of suspended solids to river

1-10	3.5366 x 8.34 x 510 =	15,043	
	4.543 x 8.34 x 32 =	1,212	
	Total		16,255
1-11	3.733 x 8.34 x 555 =	17,280	
	Total		17,280
1-12	3.6860 x 8.34 x 615 =	18,906	
	4.1770 x 8.34 x 33 =	1,150	
	Total		20,056
1-13	3.5262 x 8.34 x 700 =	20,586	
	4.0200 x 8.34 x 20 =	670	
	Total		21,256
1-14	3.4319 x 8.34 x 528 =	15,112	
	2.8605 x 8.34 x 19 =	453	
	Total		15,565

1-15 No data

1-16 4.0465 x 8.34 x 435 = 14,680
2.1884 x 8.34 x 14 = 256
Total 14,936

Total Pounds of Suspended Solids per ton of paper
1-10 16,255 / 113.28 = 143.49
1-11 17,280 / 101.88 = 169.96
1-12 20,056 / 110.50 = 181.50
1-13 21,256 / 94.64 = 224.59
1-14 15,565 / 97.94 = 158.92
1-16 14,936 / 83.02 = 179.90

Total Pounds of Suspended Volatile Solids to river
1-10 3.5366 x 8.34 x 180 = 5,309
4.543 x 8.34 x 24 = 909
Total 6,218

1-11 3.733 x 8.34 x 140 = 4,359
Total 4,359

1-12 3.6860 x 8.34 x 165 = 5,072
4.1770 x 8.34 x 13 = 453
Total 5,525

1-13 3.5252 x 8.34 x 210 = 6,176
4.0200 x 8.34 x 12 = 402
Total 6,578

1-14 3.4319 x 8.34 x 168 = 4,808
2.8605 x 8.34 x 15 = 356
Total 5,164

1-15 No data

1-16 4.0465 x 8.34 x 135 = 4,556
2.1884 x 8.34 x 10 = 183
Total 4,739

Total Pounds of Suspended Volatile Solids per ton of paper
1-10 6,218 / 113.28 = 54.89
1-11 4,359 / 101.88 = 42.79
1-12 5,525 / 110.50 = 50.00
1-13 6,578 / 94.64 = 69.51
1-14 5,164 / 97.94 = 52.73
1-16 4,739 / 83.02 = 57.08

Gallons Waste per ton of paper
1-10 (3,536,600) / 113.28 = 31,219
1-11 (3,733,300) / 101.88 = 36,644
1-12 (3,686,000) / 110.50 = 33,357
1-13 (3,526,200) / 94.64 = 37,259
1-14 (3,431,900) / 97.94 = 35,040
1-16 (4,046,500) / 83.02 = 48,741

Treatment Plant Efficiency

B.C. D. Removal

1-10 (420 - 340) x 100 / 420 = 19.05%
1-11 (380 - 290) x 100 / 380 = 23.68%
1-12 (495 - 370) x 100 / 495 = 25.25%
1-13 (285 - 225) x 100 / 285 = 21.05%
1-14 (285 - 225) x 100 / 285 = 21.05%
1-15 No data
1-16 (395 - 285) x 100 / 395 = 27.85%

Suspended Solids Removal

1-10 (1500 - 510) x 100 / 1500 = 66.00% - 79.6
1-11 (1440- 555) x 100 / 1440 = 61.45% - 82.0
1-12 (1590 - 615) x 100 / 1590 = 61.32% - 67.3
1-13 (1500 - 700) x 100 / 1500 = 53.33% - 65.7
1-14 (1130 - 528) x 100 / 1130 = 53.27% - 77.7
1-15 No data
1-16 (1370 - 435) x 100 / 1370 = 68.24% - 78.2

Suspended Volatile Solids Removal

1-10 (870 - 180) x 100 / 870 = 79.31%
1-11 (800 - 140) x 100 / 800 = 82.50%
1-12 (870 - 165) x 100 / 870 = 81.03%
1-13 (780 - 210) x 100 / 780 = 73.07%
1-14 (770 - 168) x 100 / 770 = 78.19%
1-15 No data
1-16 (790 - 135) x 100 / 790 = 82.91%

Settleable Solids Removal

1-10 No data
1-11 (1440 - 555) x 100 / 970 = 91.23%
1-12 (1590 - 615) x 100 / 1046 = 93.21%
1-13 (1500 - 700) x 100 / 1168 = 68.49%
1-14 (1130 - 528) x 100 / 794 = 75.51%
1-15 No data
1-16 (1370 - 435) x 100 / 1078 = 86.73%

Theoretical Detention Time:

1-10 3.85 hours
1-11 3.59 hours
1-12 3.73 hours
1-13 3.90 hours
1-14 4.01 hours
1-15 21.29 hours
1-16 3.40 hours

Other Paper Processing Suspended Solids per ton paper

1-10 1212 / 113.28 = 10.70
1-11 no data
1-12 1150 / 110.50 = 10.41
1-13 670 / 94.64 = 7.08
1-14 453 / 97.94 = 4.63
1-15 no data
1-16 256 / 83.02 = 3.08

Remarks:

Since the July 1955 surveys, the bleach water discharged was relocated so that it receives waste treatment along with other de-ink wastes. This has decreased the quantity of suspended solids in those wastes that are classified as resulting from other paper processing operations to a point where they are within the limit set by this Commission. Other changes evidently were made that resulted in a decrease in waste flow to the treatment plant so that even after the addition of the bleach waste, the resulting flow to the unit is below the July 1955 levels. The result has been a substantial decrease in the quantity of B.O.D. and suspended solids remaining in the effluent.

The formation of a scum layer on the clarifier is no doubt decreasing the efficiency of this unit. If this can be eliminated, the treatment plant removals should increase.

Survey written and supervised by:
Ralph Purdy

Field work by:
Robert Courchaine

Chemical Analyses by:
Russell Krueger & Ralph Purdy

RPm

COPY

Report of Waste Survey

at

Allied Paper Company
(King Division)
Kalamazoo, Michigan

Survey Periods: (24 hours for each)

January 10, 1956
January 11, 1956
January 12, 1956
January 13, 1956
January 14, 1956
January 15, 1956
January 16, 1956

Summary of Results:

Date	1-10	1-11	1-12	1-13	1-14	1-15	1-16
Flow, million g.p.d.	5.5127	6.211	5.4724	6.6989	5.550		
Production, tons	194.64	207.78	199.70	199.10	196.07	0.0	
5-day B.O.D., lbs.	13,333	9,474	17,543	18,427	14,348		
5-day B.O.D., lbs/ton of paper	68.50	45.60	87.85	92.62	73.24		122.62
Total Susp.Sol., lbs.	28,965	24,738	4,568	44,135	40,969		29,456
Total Susp.Sol., lbs/ton paper	148.81	119.05	208.13	221.68	208.95		188.03
Total Susp.Vol.Sol. lbs/ton paper	8.506	6,644	10,736	15,085	13,841		10,886
Total Susp.Vol.Sol., lbs	41.70	32.08	53.06	75.77	70.59		69.49
Cal. Waste/ton of paper	28,323	30,373	38,411	30,080	33,456		49,011
Population Equivalents	79,538	56,781	109,047	110,401	84,508		115,029
Settleable Sol. Removal, percent		10.61	84.9	79.85	46.74	73.34	103.58
Other Paper Processing Susp.Sol., lbs.	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Paper Processing Susp.Sol., lbs/ton paper	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Type of Mill Production:

De-ink Mill

Mill Water Supply:

Well water

Allied Paper Company-1
(King Division)

Waste Controll:

All paper processing waste and de-ink waste water flows by gravity to a pump station. The waste at this point is pumped to a 110-foo diameter clar ifier with a 13-foot side water depth. The effluent is discharged to a city storm sewer that empties into the Kalamazoo River.

Survey Procedure:

Effluent from the clarifier is discharged through a weir box. A compan installed recorder recording head meter was used to obtain a continuous reco of the flow. A composite sample of the effluent was obtained by installing an automatic sampler.

An influent sample was obtained from the discharge line from the pump house. A constant size sample is taken at set intervals by a timing device and valve arrangement.

Sludge is disinaged to one of several large lagoons.

Survey Data:

Influent

Date	1-10	1-11	1-12	1-13	1-14	1-15	1-16
5-Day B.O.D., p.p.m.		500	405	300	210	175	480
Susp. Sol., p.p.m.		3190	2100	1700	1200	596	2540
Susp. Vol. Sol., p.p.m.		1520	1080	700	700	362	1460
2 hr. Settleable Sol., p.p.m.		2600	1604	1200	984	446	2008
pH		7.2	7.6				
Effluent							
5-Day B.O.D., p.p.m.	290	180	325	330	270	115	300
Susp. Sol., p.p.m.	630	470	770	790	740	268	460
Susp. Vol.Sol.,p.p.m.	185	130	200	270	250	128	170
pH	8.2	7.3	7.2				
Flow, million g.p.d.	5.5127	6.3111	6.4724	6.4989	6.5597		7.6780
Production, tons	194.04	207.78	199.70	199.10	196.07	0.0	156.66

Allied Paper Company [illegible]
([illegible] Division)

Survey Calculations:

Pounds of 5-day B.O.D. to River

1-10	5.5127 x 8.34 x 290=	13,333
1-11	6.3111 x 8.34 x 180=	[illegible]
1-12	6.4724 x 8.34 x 325=	17,543
1-13	6.6989 x 8.34 x 330=	18,437
1-14	6.5597 x 8.34 x 270=	14,948
1-15	Data incomplete	
1-16	7.678 x 8.34 x 300=	19,210

Pounds of 5-day B.O.D. per ton of paper

1-10	13,333 / 194.64=	68.50
1-11	9,474 / 207.78=	45.60
1-12	17,543 / 199.[illegible]=	87.85
1-13	18,437 / 199.1[illegible]=	92.60
1-14	14,948 / 196.[illegible]=	76.24
1-16	19,210 / 156.66=	122.62

Population Equivalents

1-10	13,333 / 0.167=	79,838
1-11	9,474 / 0.167=	56,731
1-12	17,543 / 0.167=	105,047
1-13	18,437 / 0.167=	110,401
1-14	14,948 / 0.167=	89,508
1-15	Data incomplete	
1-16	19,210 / 0.167=	115,029

Total Pounds of Suspended Solids to River #1 day

1-10	5.5127 x 8.34 x 630=	28,965	21,250
1-11	6.3111 x 8.34 x 470=	24,738	-
1-12	6.4724 x 8.34 x 770=	41,564	42,400
1-13	6.6989 x 8.34 x 790=	44,136	40,200
1-14	6.5597 x 8.34 x 740=	40,969	30,600
1-15	Data incomplete		-
1-16	7.678 x 8.34 x 460=	29,456	31,800

Total Pounds of Suspended Solids per ton of paper

1-10	28,965 / 194.64=	148.81	109.2
1-11	24,738 / 207.78=	119.06	-
1-12	41,564 / 199.[illegible]=	208.13	212.5
1-13	44,136 / 199.1[illegible]=	221.[illegible]	202.8
~~1-14~~	40,969 / 19[illegible]=	208.[illegible]	158.0
1-15	Data incomplete		
1-16	29,456 / 19[illegible]=	1[illegible]	203.0

Allied Paper Company
(Kalamazoo Division)

Total Pounds of Suspended Volatile Solids to River

1-10	5,511.7 x 8.34 x 185 =	8,506
1-11	6,3111 x 8.34 x 130 =	6,862
1-12	6,0724 x 8.34 x 200 =	10,798
1-13	6.6389 x 8.34 x 270 =	15,085
1-14	7.5537 x 8.34 x 259 =	13,841
1-15	Data Incomplete	
1-16	7.678 x 8.34 x 170 =	10,884

Total Pounds of Suspended Volatile Solids per ton of paper

1-10	8,506 / 194.64 =	43.70
1-11	6,862 / 207.78 =	32.93
1-12	10,798 / 199.10 =	54.00
1-13	15,085 / 199.10 =	75.77
1-14	13,841 / 196.07 =	70.59
1-15	Data Incomplete	
1-16	10,884 / 196.66 =	55.49

Gallons of Wastes per ton of Paper

1-10	5,512,700 / 194.64 =	28,323
1-11	6,311,000 / 207.78 =	30,373
1-12	6,472,400 / 199.70 =	32,411
1-13	6,6[illegible]6,900 / 199.10 =	30,080
1-14	6,559,700 / 196.07 =	33,456
1-15	Data Incomplete	
1-16	7,678,000 / 196.66 =	40,011

Treatment Plant Efficiency - B.O.D. Removal

1-10	Data Incomplete	
1-11	(500 - 180) x 100/500 =	64.00%
1-12	(405 - 325) x 100/405 =	19.75%
1-13	(300 - 330) x 100/300 =	---
1-14	(210 - 270) x 100/210 =	---
1-15	(175 - 115) x 100/175 =	34.28%
1-16	(480 - 300) x 100/480 =	37.50%

Suspended Solids Removal

1-10	Data Incomplete	
1-11	(3190 - 470) x 100/3190 =	85.26%
1-12	(2100 - 700) x 100/2100 =	66.33%
1-13	(1700 - 700) x 100/1700 =	58.82%
1-14	(1200 - 740) x 100/1200 =	38.33%
1-15	(596 - 200) x 100/596 =	66.43%
1-16	(2540 - 470) x 100/2540 =	81.88%

SA 02918

All [illegible] Paper [illegible]
([illegible])

Suspended Volatile Solids Removal

1-1[illegible]	Data incomplete				
1-1[illegible]	([illegible] - [illegible])	x	[illegible]	=	[illegible]
1-1[illegible]	([illegible] - [illegible])	x	[illegible]	=	[illegible]
1-1[illegible]	([illegible] - [illegible])	x	[illegible]	=	[illegible]
1-1[illegible]	([illegible] - [illegible])	x	[illegible]	=	[illegible]
1-1[illegible]	([illegible] - [illegible])	x	[illegible]	=	[illegible]
1-1[illegible]	([illegible] - [illegible])	x	[illegible]	=	[illegible]

Settleable Solids Removal

1-1[illegible]	Data incomplete				
1-11	([illegible] - [illegible])	x	[illegible]	=	[illegible]
1-1[illegible]	([illegible] - [illegible])	x	[illegible]	=	[illegible]
1-1[illegible]	([illegible] - [illegible])	x	[illegible]	=	[illegible]
1-1[illegible]	([illegible] - [illegible])	x	[illegible]	=	[illegible]
1-1[illegible]	([illegible] - [illegible])	x	[illegible]	=	[illegible]
1-1[illegible]	([illegible] - [illegible])	x	[illegible]	=	[illegible]

Theoretical Detention Time

1-1[illegible]	[illegible] hours
1-11	3.[illegible] hours
1-1[illegible]	[illegible] hours
1-1[illegible]	[illegible] hours
1-1[illegible]	[illegible] hours
1-1[illegible]	Data incomplete
1-1[illegible]	[illegible] hours

Remarks:

A floating scum covering the entire surface of the clarifier is [illegible] in [illegible] with the efficiency of this treatment [illegible]. It is hoped that a new mechanically cleaned bar screen, that is now on order, will allow an uninterrupted flow to the wet well and eliminate the problem.

Field Work by:

Robert Courchaine

Survey written & supervised by:

Ralph W. Purdy

Chemical Analyses by:

Russ [illegible] and Ralph W. Purdy

SA 029181

Report of Survey

ALLIED PAPER CORPORATION - BRYANT MILL
Kalamazoo, Michigan

Survey Periods: (24 hours each)

#1 - May 27 & 28, 1957, 8 a.m. to 8 a.m.
#2 - May 28 & 29, 1957, 8 a.m. to 8 a.m.

Summary of Results:

	#1		#2	
Flow, million gal. per day	5.36		5.81	
Production, tons	150.45	-	186.31	-
5 Day B.O.D., lbs.	7,823		16,959	
5 Day B.O.D., lbs. per ton paper	52		91	
Susp. Solids, lbs.	21,234		48,455	
Susp. Solids, lbs.per ton paper	141		260	
Susp. Volatile solids, lbs.	6,034		17,202	
Susp. Volatile solids, lbs. per ton paper	40		92	
2 Hr. Settleable Solids, % removal	96	-	99	-
Population Equivalent	46,844		101,551	
pH	7.4		7.9	

Type of Production: De-ink Mill

Mill Water Supply: Portage Creek water from above Allied Monarch Division augmented with city water.

Waste Treatment: See Report of Survey St. Regis Paper Company, July 20-26, 1955, by R.W. Purdy.

Survey Procedure: Twenty-four hour composite samples and charts of flow were obtained from the Allied Corp. sampling and recording equipment.

Survey Data:

	#1		#2	
Flow, M.G.D.	5.36		5.81	
Production, tons	150.45	-	186.31	-
Influent:				
5 Day B.O.D., ppm	370		480	
Susp. Solids, ppm	1720		2300	
Susp. Volatile Solids, ppm	820		1000	
2 Hr. Settleable Solids	1440		1780	
pH	7.3		7.1	
Effluent:				
5 Day B.O.D., ppm	175		250	
Suspended Solids, ppm	475		1030	
Suspended Volatile Solids, ppm	135		155	
2 Hr. Settleable Solids, ppm	129		506	
pH	7.7		7.9	

Calculations:

Pounds of 5 day B.O.D. to River
#1 - 8.34 x 5.36 x 175 = 7,823 lbs.
#2 - 8.34 x 5.81 x 350 = 16,959 lbs.

Pounds of 5 Day B.O.D. per ton of paper
#1 - 7,823/150.45 = 52 lbs.
#2 - 16,959/186.31 = 91 lbs.

Population equivalent
#1 - 7,823/.167 = 46,844 persons
#2 - 16,959/.167 = 101,551 persons

% Removal 5 day B.O.D.
#1 - 195/370 = 53 percent
#2 - 136/460 = 27 percent

Pounds of suspended solids to River
#1 - 8.34 x 5.36 x 475 = 21,234 lbs.
#2 - 8.34 x 5.81 x 1000 = 48,455 lbs.

Pounds of Susp. Solids per ton of paper
#1 - 21,234/150.45 = 141 lbs.
#2 - 48,455/186.31 = 260 lbs.

Percent removal Suspended Solids
#1 - 1245/1720 = 72 percent
#2 - 1300/2300 = 57 percent

Pounds of Susp. Volatile Solids to River
#1 - 8.34 x 5.36 x 135 = 6,035 lbs.
#2 - 8.34 x 5.81 x 355 = 17,282 lbs.

Pounds of Susp. Volatile Solids per ton of paper
#1 - 6,035/150.45 = 40 lbs.
#2 - 17,282/186.31 = 92 lbs.

Percent Removal of Susp. Volatile Solids
#1 - 685/820 = 84 percent
#2 - 645/1000 = 65 percent

Percent Removal of 2 Hr. Settleable Solids
#1 - 1245/1440 = 86 percent
#2 - 1300/1780 = 73 percent

Remarks: Practically all of the de-ink waste was going to the treatment plant at the time of the survey.

Survey and report by: F. Shannon
Chemical analysis by: R. Krueger
Reviewed by: R. Purdy

Mill: Monarch Location: Kalamazoo, MI

198. Are special provisions made for spills, screen rejects, and excess materials from coating or sizing systems?

(a) Yes

(b) No

(c) Limited

199. Does the mill employ organic solvent coating or saturating operations?

(a) Yes

(b) No

200. If yes, please give the type and quantities (lbs/day) of organic solvent used.

N.A.

201. Give the average daily organic solvent coated or saturated paper produced. N.A.

_____ tons/day

SA 036405

SA00030405

Mill: Monarch Location: Kalamazoo, MI

202. Please indicate effluent from the combined papermachine facilities as follows: (i.e., total flow from all machines)

Waste Source	Volume GPM		Suspended Solids (if applicable) lbs/day
a. Centricleaner and machine screen rejects	26		1975
b. Couch pit, seal box, and any other unclarified whitewater overflows	very little		very little
c. Thick stock spills, dumps, washups from stock preparation area and machine	very little	gal/day	very little
d. Excess clarified whitewater	763		1199
e. Cloudy water from vacuum systems, or pump sealing applications	265		4100
f. Clear water discharges i.e., cooling services, condensate, other non-process services	154		0
g. Other effluent sources not included above	210		3404
h. Total papermill effluent	1418		10,678

i. Is (f) discharged via process sewer or separately? (Circle answer)

(YES) NO

"Yes" answer means (f) discharged via process sewer

Additional Information

203. Does the mill have a program for disposal of old electrical transformers?

(a) (Yes)

(b) No

204. Please give the number of people employed at your mill. 99

SA 030406

SA00030406

Mill: Monarch Location: Kalamazoo, MI

V. WATER USAGE AND EFFLUENT TREATMENT PRACTICES

Instructions for Completing Section V

Section V requests information on the mill's wastewater treatment practices. In Section VIII a general schematic of the effluent treatment system is requested. You have the option of providing any of the data requested in Section V on the schematic. If you do this, please indicate on the question(s) involved that the data is presented on the schematic.

A. Water Usage

205. Indicate the source and amount of process water.

(a)	Surface (i.e., river, lake or reservoir)	1.842 MGD
(b)	Groundwater	_____ MGD
(c)	Other (please describe) _____	_____ MGD

206. Does the quality of the raw water limit the reuse of water in this mill?

(a) Yes - explain _____

_____

(b) No

207. Indicate the source and amount of the mill's cooling water.

(a)	Surface	0.286 MGD
(b)	Groundwater	_____ MGD
(c)	Other (please describe) _____	_____ MGD

208. Indicate the source and amount of the mill's boiler feed water.

(a)	Surface	0.030 MGD
(b)	Groundwater	_____ MGD
(c)	Other (please describe) _____	_____ MGD

SA 030407

SA00030407

Mill: Monarch Location: Kalamazoo, MI

209. Describe treatment used for boiler feed water conditioning.
Zeolite softners, chemicals include acid chelating agent and neutralizers for corrosion reduction

210. Give the disposal method now employed for boiler blowdown water.

(a) Sewered to treatment plant

(b) Directly discharged

(c) Directly discharged with pH adjustment

(d) Directly discharged after cooling

(e) Other (please describe) _____

B. Background Data

211-212. DELETED - ANSWERED IN PART I

213. How is cooling water disposed?

(a) Separate discharge to receiving stream.

(b) Combined with process waters before treatment.

(c) Combined with treated process waters.

(d) Recycled.

C. Indirect Discharger please provide the following information:

214. Name and location of POTW which handles your wastewater.

N.A.

215-216. DELETED - ANSWERED IN PART I

217. Are there specific pretreatment requirements of limits upon pollutant parameters imposed by the POTW system to which you discharge?

(a) Yes N.A.

(b) No

SA 030408

SA00030408

Mill: Monarch Location: Kalamazoo, MI

218. If the answer to the preceding question was (a), please list the specific pretreatment requirements or pollutant parameter limits imposed on your mill by the POTW.
N.A.

219. DELETED - ANSWERED IN PART I

220. If neutralization is practiced, fill in the following. N.A.

Chemical used _____

221. DELETED - ANSWERED IN PART I

222. Are any chemicals or other settling aids added to the primary treatment units?

(a) Yes

(b) No

(c) To the extent necessary (intermittent)

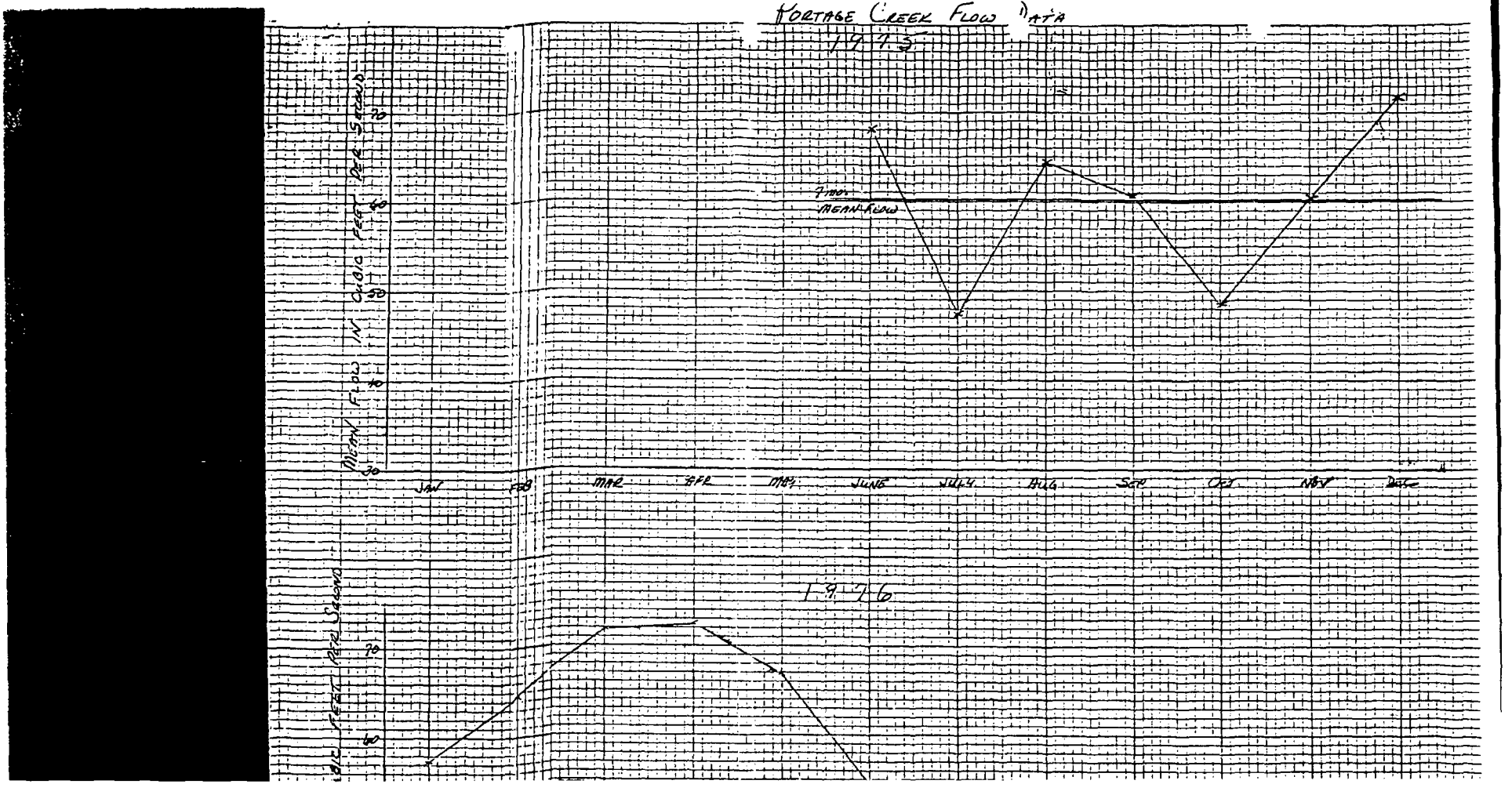
223. Please show the wastewater streams which enter the secondary treatment system (if applicable). N.A.

Process Source or Sewer No.*		Flow, MGD	BOD, lb/D	TSS, lb/D
a. Design Values	Average Day			
	Maximum Day			
	Maximum Month			
b. Primary Treatment Effluent	Average Day			
	Maximum Day			
	Maximum Month			
c. Other	Average Day			
_____	Maximum Day			
	Maximum Month			

*Process source or sewer number should be keyed to the mill process and wastewater treatment schematics requested in Section VIII.

SA 030409

SA00030409

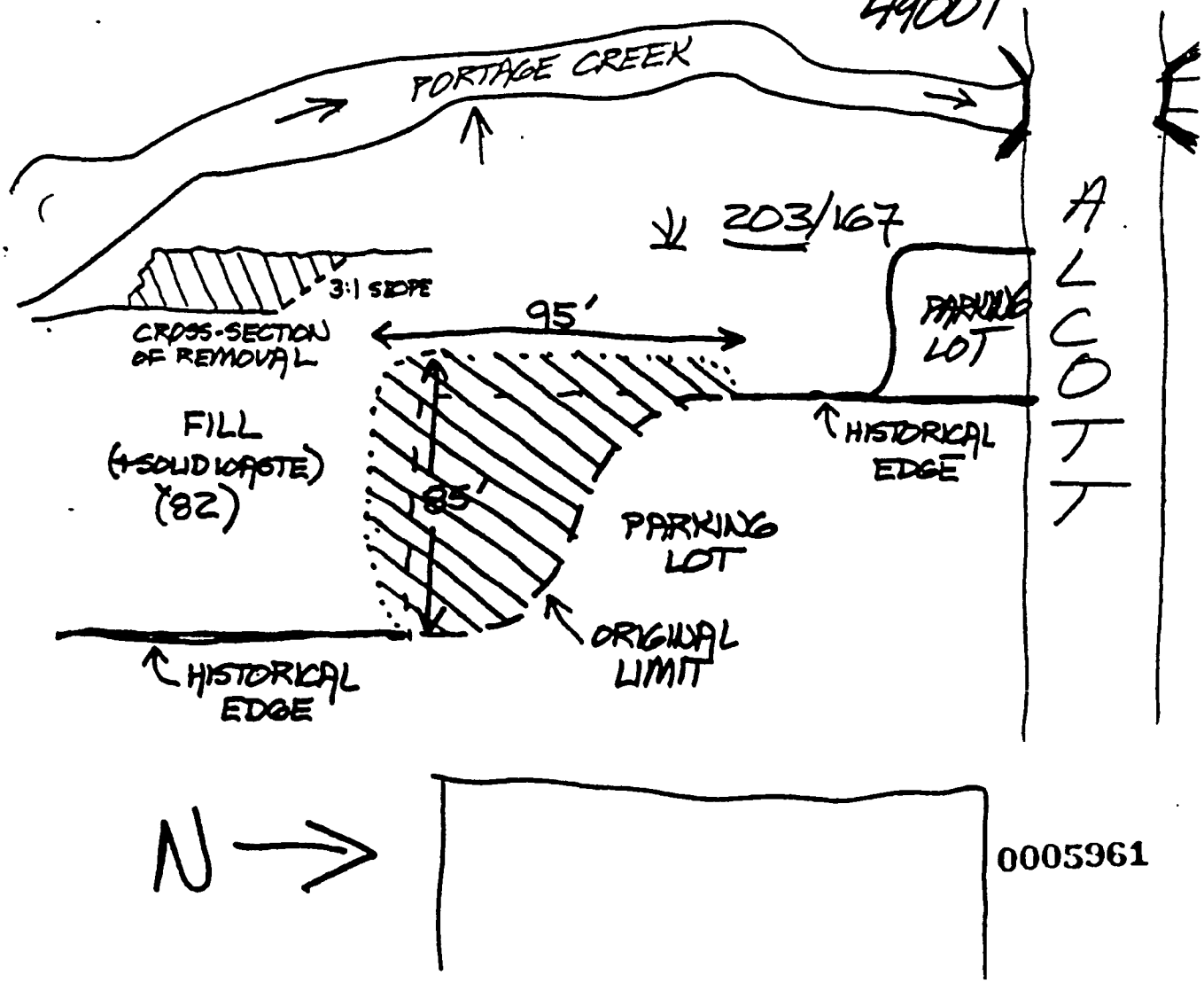

PORTAGE CREEK FLOW DATA
1913
MEAN FLOW IN CUBIC FEET PER SECOND
70
60
50
40
30
JAN
FEB
MAR
APR
MAY
JUNE
JULY
AUG
SEP
OCT
NOV
DEC
1976

SA0005637

5/8/84 TCB/JV

ON-SITE EXT. 44[illegible]
381-3811
MET W, JIM SWEENEY
ATTN → STRYKER CORP.
420 ALCOTT
49001

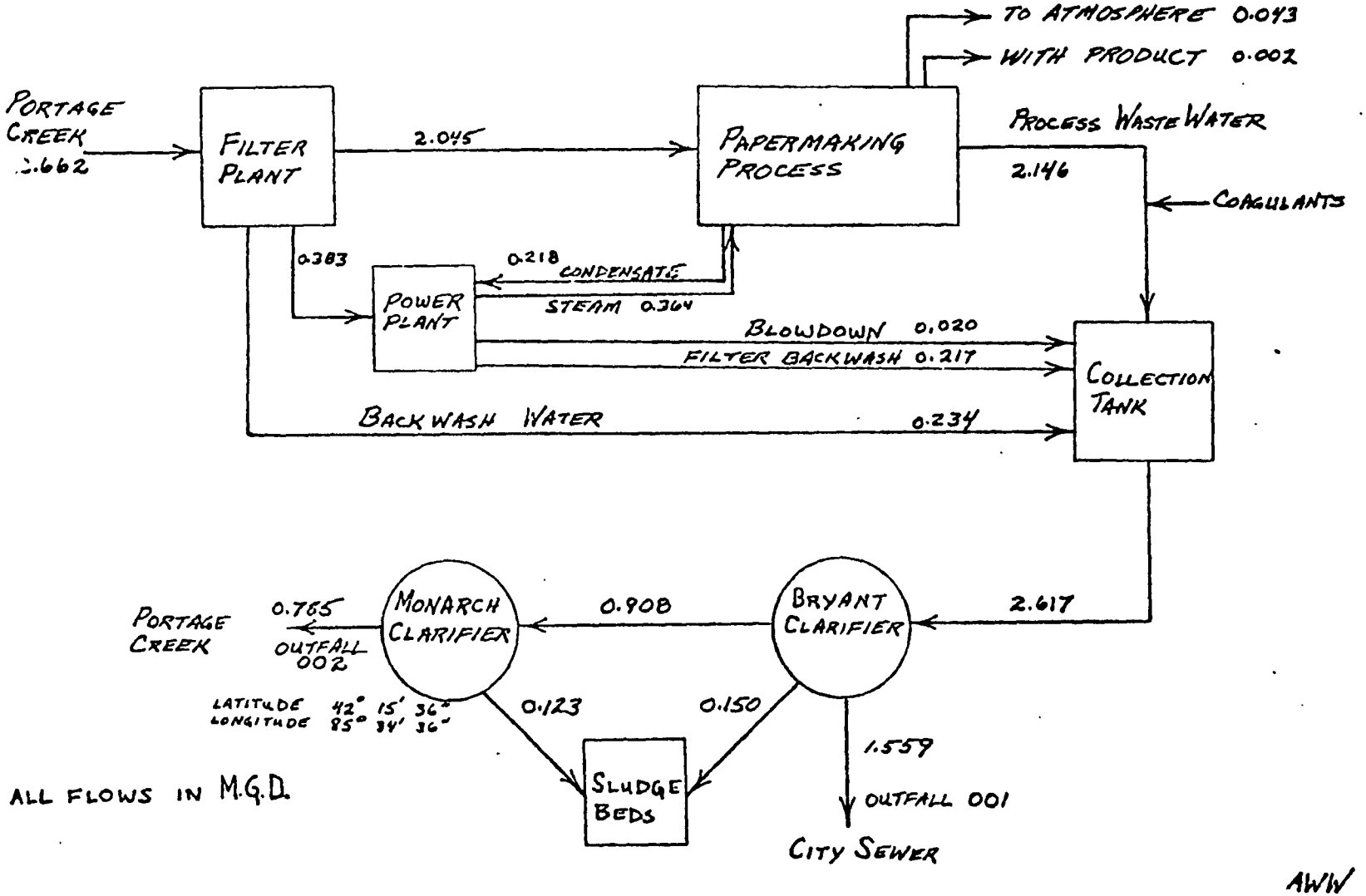
FILL COMPLNT:



ALLIED PAPER INC. KALAMAZOO, MICHIGAN

SCHEMATIC WATER FLOW

0005962



AWW

SA0005639
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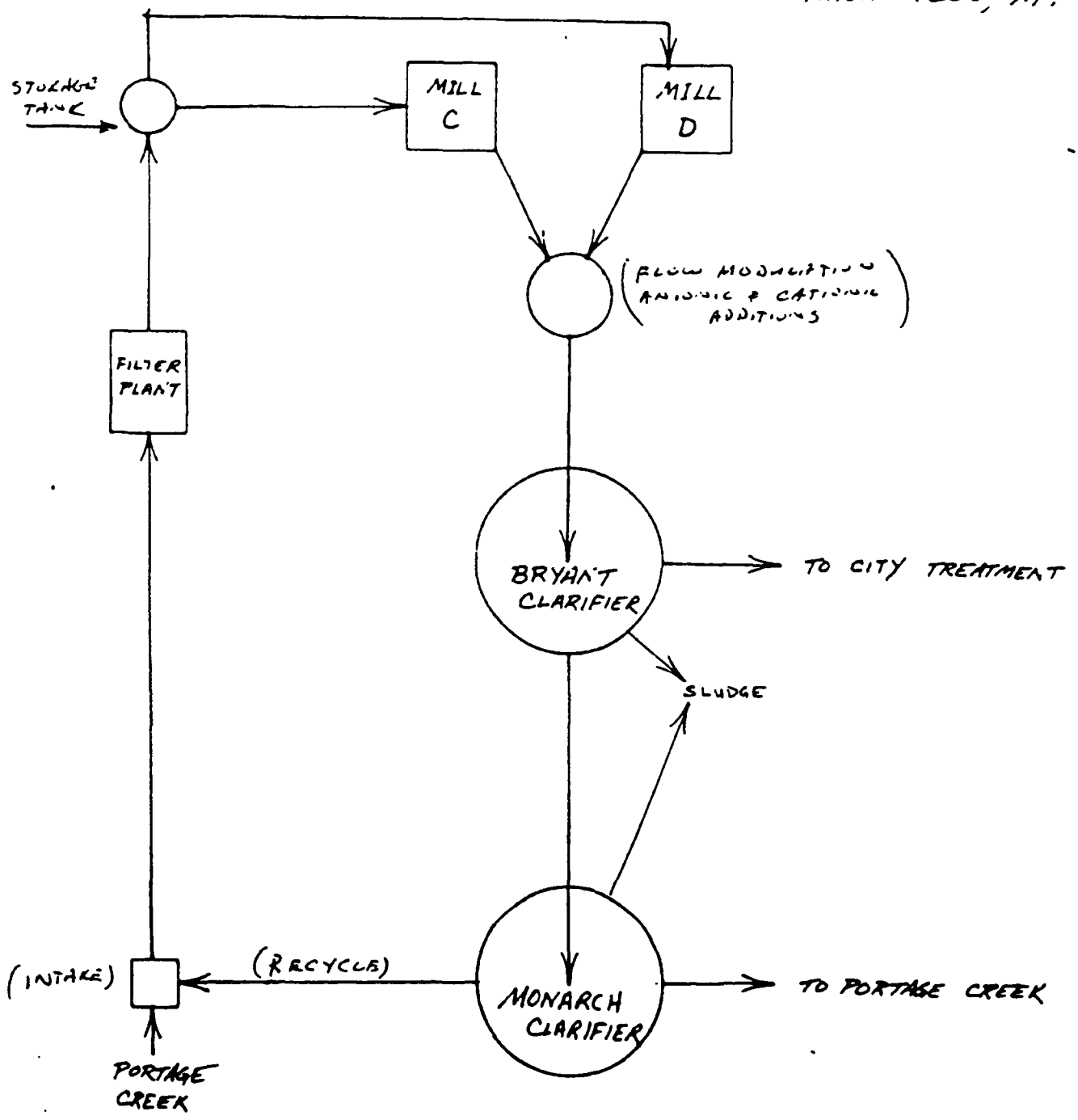
ALLIED PAPER CO
BRYANT MILL
KALAMAZOO, MI



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SA00005640

MICHIGAN WATER RESOURCES COMMISSION
Waste Water Survey
Allied Paper Corporation Inc.
Bryant, Monarch, & King Divisions
June May 13, 14, 15, 1967

001264O

A 40 hour waste water survey was conducted at the Bryant, Monarch & King Divisions of the Allied Paper Corporation in Kalamazoo on May 13-15, 1967. The purpose of the survey was to determine the quality and quanity of waste water being discharged to the Kalamazoo River by the company and to determine the extent of compliance with an agreement between the company and the Water Resources Commission dated November 30, 1961 and the Final Order of Determination adopted by the Commission October 24, 1951.

Operations

Bryant Division

The Bryant Division employs 900 people in a 6-day operation. This plant has 5 paper machines and a de-inking mill. Book printing paper from bleached kraft and de-inked stock is produced on the 5 paper machines. The water supply is from Portage Creek and a private well in the proportion of 6 & 1. The waste water consists of waste from the de-inking mill and excess white water from the paper machines. The waste control devices are saveralls on each paper machine and a clarifier 100 feet in diameter.

Monarch Division

The Monarch Division employs 200 people on a 7-day schedule. The plant has two paper machines which produce carbon tissue and book printing paper. The raw materials are bleached and unbleached kraft and de-inked stock. The waste water treatment consists of a clarifier 90 feet in diameter which discharges to Portage Creek.

King Division

The King Division employs 400 people and operates on a 6 day schedule. The main product is book printing material which is produced on 4 paper machines. The plant water supply is a private well for processing and the Kalamazoo River water for cooling. The waste water treatment consists of save-alls on each paper machine and a 110 feet in diameter clarifier. At this division, a large part of the clarified water is re-used.

Survey Procedure

All the clarifiers had existing weirs on the discharges. We installed automatic samplers and water level recorders at each clarifier discharge. The automatic sampler took samples proportial to the instantaneous flow at 15 minute intervals. The water level recorder measured the head over the weir on a time chart from which we computed the flow.

Flow Data & Survey Periods

Survey Period #1 Starting June May 13, 1967 at 8:00 a.m. EST
Ending May 14, 1967 at 9:00 a.m. EDST

Survey Period #2 Starting May 14, 1967 at 9:00 a.m. EDST
Ending May 15, 1967 at 9:00 a.m. EDST

	Period #1	Period #2
King Division	.972 MGD	.571 MGD
Bryant Division	4.79 MGD	3.43 MGD
Monarch Division	2.128 MGD	1.86 MGD
Total	7.89 MGD	5.86 MGD

TABLE 1 Laboratory analysis of composite samples

Parameter	Survey Period	King 1	King 2	Bryant 1	Bryant 2	Monarch 1	Monarch 2
	Concentration	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
5 day BOD		120	170	280	240	32	13
Suspended solids		72	46	204	214	28	16
Suspended volatile solids		29	32	74	62	13	12
Settleable solids		37	16	17	16	22	11
pH		6.9	7.3	6.6	7.1	7.3	7.5

TABLE 2 Pounds per day to Kalamazoo River

Period #1	King	Bryant	Monarch	Total
5 day BOD	972	11,200	568	12,740 #/day
Suspended solids	583	8,140	496	9,219 #/day
Suspended volatile solids	235	2,960	231	3,426 #/day
Settleable solids	299	679	390	1,368 #/day
Period #2				
5 day BOD	810	6,860	202	7,872
Suspended solids	220	6,120	248	6,588
Suspended volatile solids	153	1,775	186	2,114
Settleable solids	76.4	457	171	704.4

Pound per day was computed using following formula:

Flow (MGD) x concentration (mg/l) x unit wt. of water (8.34 lbs/gal) = lbs/day

TABLE 3 Paper production in tons during survey period

	King	Bryant	Monarch	Total
Period #1	234	211.5	82.5	528
	De-inking mill input 114 tons			
	output 91.6 tons			
Period #2	145.8	216.0	51.5	413.3
	De-inking mill input 109 tons			
	output 87 tons			

TABLE 4 Gallons of waste water discharged per ton of paper products

Period #1	4,154	22,650	25,790	14,940
Period #2	2,640	23,530	36,200	14,120

0012641

TABLE 5 Suspended solids discharged per ton of paper produced

	King	Bryant	Monarch	Ave. of Total
Period #1	2.49	38.6	6.04	17.45
Period #2	.973	42.0	4.81	15.95

TABLE 6 Pounds of BOD discharged per ton of paper produced

	King	Bryant	Monarch	Ave. of Total
Period #1	4.15	53.0	6.9	24.2
Period #2	3.85	47.0	3.993	19.05

Limits set forth in agreement between the company and the Water Resources Commission of November 30, 1961 and the Order of Determination of October 24, 1951 are as follows:

1. Total pounds of BOD 14,490 lbs/day
2. Suspended solids not to exceed 10 lbs/ton of paper produced.
3. No freely settleable solids

Discussion

During the first period of the survey the BOD load was 12,740 lbs/day with a production load of 528 tons. The second survey period the production was reduced by 22% and the BOD was reduced by 38%.

The King and Monarch plants seem to have adequate solids control to meet the order but the Bryant Division is in excess of the order by 30 lbs to the ton of paper produced. The average pounds of suspended solids per ton from all three plants exceeds the 10 pounds stipulated in the Order by 7.45 and 5.95 pounds per ton.

Survey by: G. Kilmer, Sanitary Engineer
J. Rydquist, Sanitary Engineer
R. Caltrider, Sanitary Engineer
L. Vuhovick, Water Pollution Investigat

Laboratory analyses by: R. Krueger, Chemist

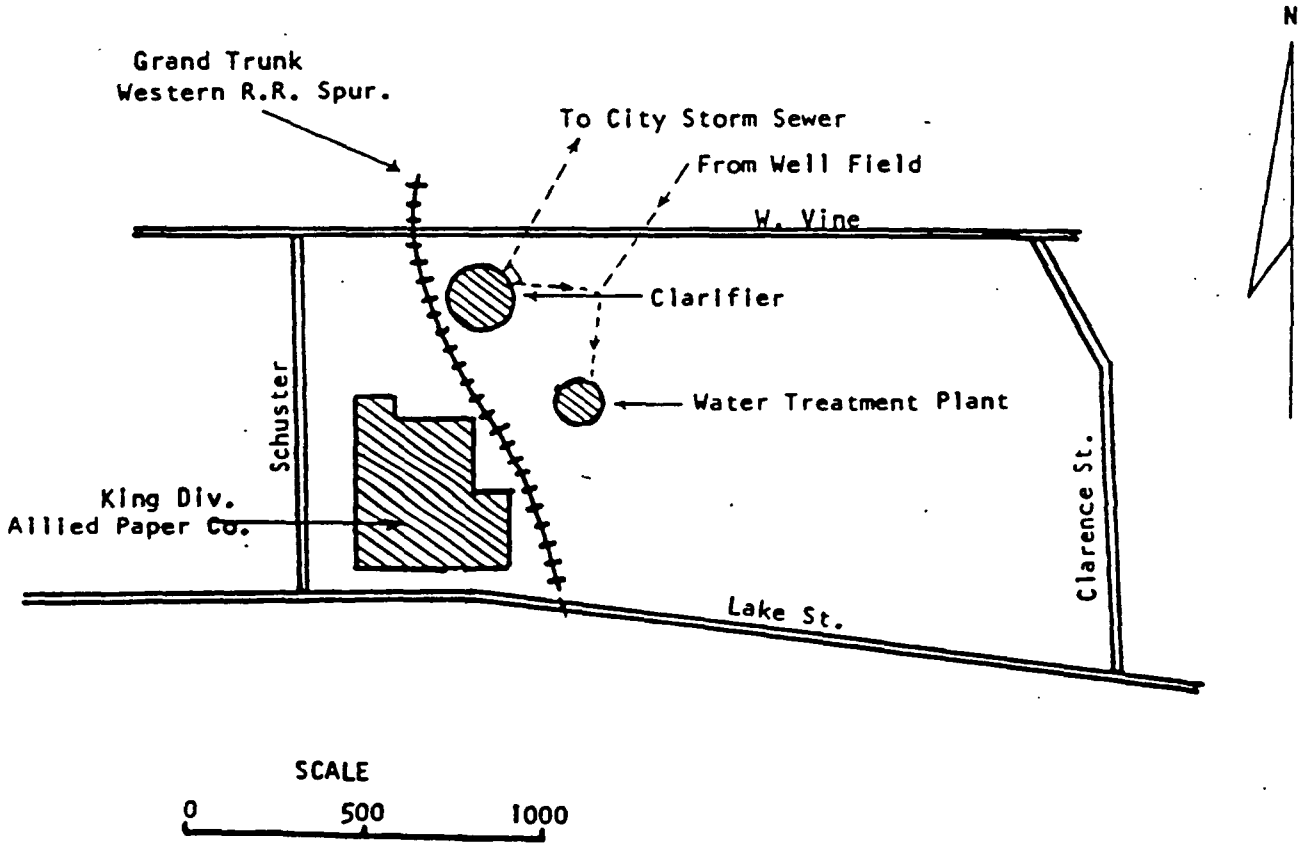
Report by: G. Kilmer

0012642

pb

Michigan Water Resources Commission

Report of Survey
King Division, Allied Paper Co.
June 13, 14, 15, 1967



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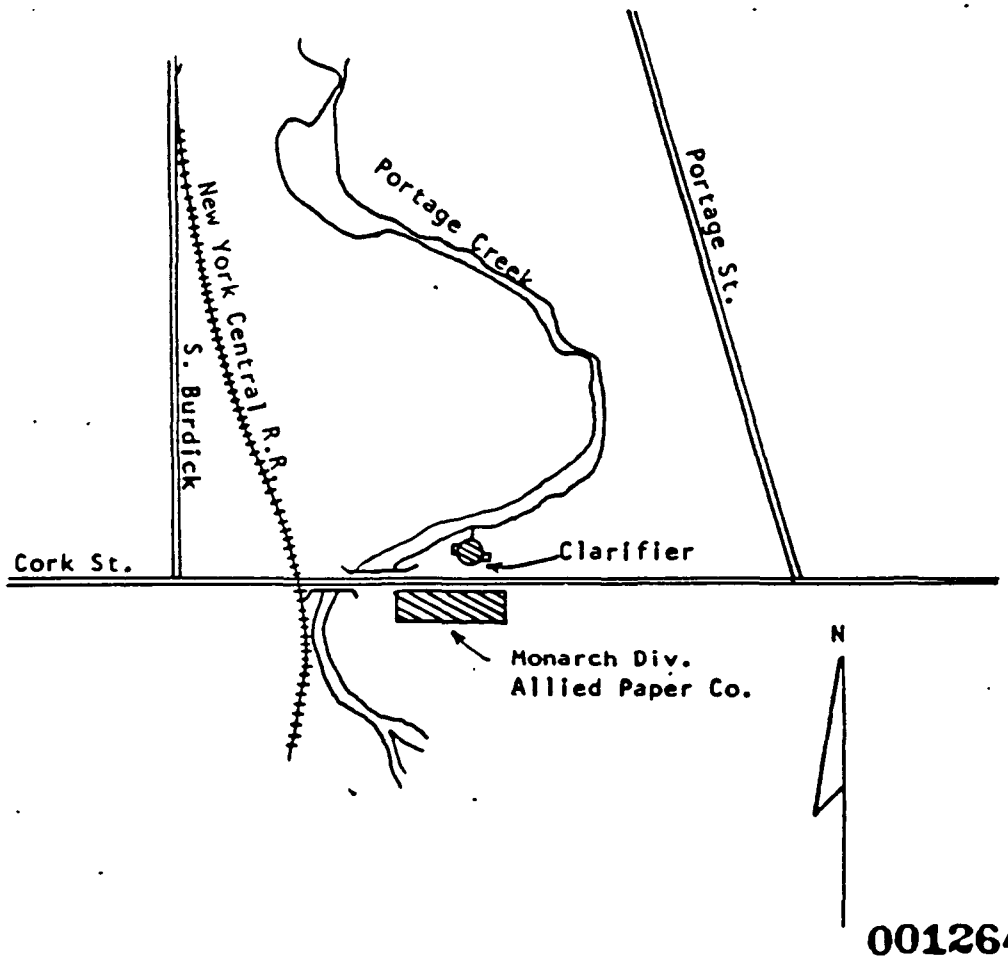
MICHIGAN WATER RESOURCES COMMISSION

Report of Survey
Monarch Division, Allied Paper Co.
June 13, 14, 15, 1967



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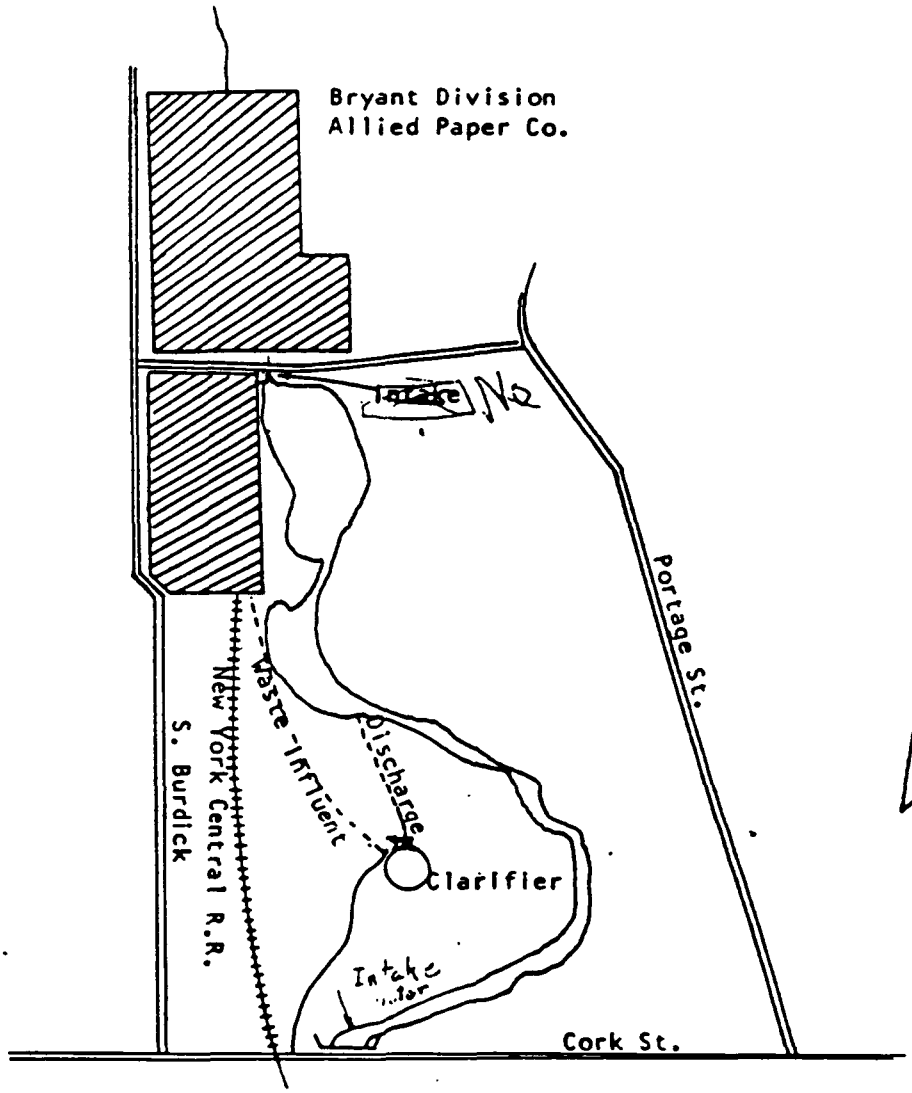
MICHIGAN WATER RESOURCES COMMISSION

Report of Survey
Bryant Division, Allied Paper Co.
June 13, 14, 15, 1965



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ALLIED PAPER COMPANY
MONARCH DIVISION
KALAMAZOO, MICHIGAN

Survey No. 1	1st Shift	April 27, 1950
Survey No. 2	2nd Shift	May 18, 1950
Survey No. 3	3rd Shift	April 27, 1950

Type: Book Conversion Mill

Mill Water Supply

Portage Creek.

Waste Sources

There are three sources of waste in the mill, two paper machines and a de-ink mill. Both paper machines are save-alled. One machine with a Bird type save-all and the other with an Oliver vacuum filter. White water from the paper machines is used in the de-ink mill pulp washer except when a machine is running colored stock. All waste from the de-ink washer passes through an Oliver vacuum filter before discharge to the sewer.

Waste Measurement

All waste from this mill is discharged to a channel leading from the north side of the mill to Portage Creek. A previously constructed 6.0 foot rectangular metal edged weir in the west side of the twin box culvert under Cork Street was used to measure waste flow. The flow to the opposite half of the culvert was blocked off with sand bags to divert all waste through the weir.

Survey Procedure

A recording head meter was installed to obtain a continuous record of the flow during the three surveys. Composite samples during each survey were taken

ALLIED PAPER COMPANY
KING DIVISION
KALAMAZOO, MICHIGAN

Survey No. 1	1st Shift	June 22, 1950
Survey No. 2	2nd Shift	June 13, 1950
Survey No. 3	3rd Shift	June 15, 1950

Type: Book Conversion Mill

Mill Water Supply

Well water.

Waste Sources

Normal mill production consists of the operation of four paper machines and a de-ink mill. White water from the paper machines is used as fresh water in the de-ink washers. Three of the paper machines and the de-ink washer are save-all-d with Oliver vacuum filters. The fourth paper machine has a Bird type save-all.

Waste Measurement

Waste from this mill is normally discharged to an earth channel north of the mill and also to a city sewer on Lake Street. The flow to the city sewer was diverted to the earth channel so that all waste could be measured at this point. A 5.0 foot rectangular metal edged weir was constructed in the earth channel north of the mill at the east end of Vine Street.

Survey Procedure

A recording head meter was installed to obtain a continuous record of the flow during the three surveys. Composite samples during each survey were taken with the automatic sampler.

NCASI 000514

92-2146

Report of Survey

Allied Paper Company
Monarch Division
Kalamazoo, Michigan

5/53

Survey Periods:

November 3rd, 7:00 a.m. to November 4th, 7:00 a.m., 1953
November 4th, 7:00 a.m. to November 5th, 7:00 a.m., 1953

Type:

Book conversion mill

Mill Water Supply:

Portage Creek and well water

Production:

November 3rd	186,335 lbs.	93.17T
November 4th	239,290 lbs.	119.65T

4

Survey Procedure:

Effluent from the de-ink waste treatment plant is di through a four foot full channel weir. A record of the head over this weir was obtained by a continuous water level recorder. Influent and effluent twenty-four hour composite samples were obtained through the use of company installed equipment.

A portion of the bleach water was discharged directly to Portage Creek without treatment. This was discharged through a three foot full channel weir. A record of the head over this weir was obtained by a continuous water level recorder. A twenty-four hour composite sample of this waste was obtained through the use of a W.R.C. automatic sampler.

7001-B-2. 1/1004

Miscellaneous sewers that discharged directly to Portage Creek were spot sampled and flow estimates were made.

Survey Data:

	Flow m.g.d.	5-Day B.O.D. p.p.m.	Susp. Solids p.p.m.	Susp. Vol. Solids p.p.m.	pH
November 3, 1953					
Waste Treatment Plant					
Influent		330	1528	628	7.9
Effluent	3.71	290	660	128	7.7
Condenser Water Sewer	1.5	17	226	61	7.6
November 4, 1953					
Waste Treatment Plant					
Effluent	4.01	410	850	200	8.9
Influent		495	1810	720	9.3
Bleach Water Sewer	0.60	99	210	120	2.5
Condenser Water Sewer	1.5	2.0	22	22	7.7

Calculations:

B.O.D. Data: (Pounds to River)

Waste Treatment Plant
- November 3rd: 3.71 x 8.34 x 290 = 8,960
- November 4th: 4.01 x 8.34 x 410 = 13,700

Bleach Water Sewer
- November 3rd: Use same quantity as November 4th
- November 4th: 0.60 x 8.34 x 99 = 495

Condenser Water Sewer
- November 3rd: 1.5 x 8.34 x 17 = 213
- November 4th: 1.5 x 8.34 x 2 = 25

B.O.D. Data: (Pounds per Ton of Production)

November 3rd	9,668/ 93.17 = 103.8
November 4th	14,220/119.65 = 118.9

B.O.D. Data: (% Reduction Through Waste Treatment Plant.)

November 3rd	(330-290)x100/330 = 12.1%
November 4th	(495-410)x100/495 = 17.2%

B.O.D. Data: (Population Equivalent)

November 3rd	9,668/0.167 = 57,900
November 4th	14,220/0.167 = 85,300

Suspended Solids Data: (Pounds to River)

Waste Treatment Plant	
November 3rd	3.71 x 8.34 x 660 = 20,400
November 4th	4.01 x 8.34 x 850 = 28,400
Bleach Water Sewer	
November 3rd	Use same quantity as Nov. 4
November 4th	0.60 x 8.34 x 210 = 1,050
Condenser Water Sewer	
November 3rd	1.5 x 8.34 x 226 = 2,830
November 4th	1.5 x 8.34 x 22 = 275

Suspended Solids Data: (Total Pounds per Ton of Production)

November 3rd	24,280/ 93.17 = 261
November 4th	29,725/119.65 = 249

Suspended Solids Data: (Pounds per ton of Production from sources other than waste treatment plant.)

November 3rd	3,880/ 93.17 = 41.7
November 4th	1,325/119.65 = 11.1

Suspended Solids Data: (% Reduction through Waste Treatment Plant)

November 3rd	(1528-660)x100/1528 = 56.8%
November 4th	(1810-850)x100/1810 = 53.0%

Suspended Volatile Solids Data: (Pounds to River)

Waste Treatment Plant

November 3rd	3.71 x 8.34 x 128 = 3950
November 4th	4.01 x 8.34 x 200 = 6680

Bleach Water Sewer

November 3rd	Use same quantity as Nov. 4th.
November 4th	0.60 x 8.34 x 120 = 600

Condenser Water Sewer

November 3rd	1.5 x 8.34 x 61 = 763
November 4th	1.5 x 8.34 x 22 = 275

Suspended Volatile Solids Data: (Total Pounds Per Ton of Production)

November 3rd	5313/ 93.17 = 57.0
November 4th	7555/119.65 = 63.1

Suspended Volatile Solids Data: (% Reduction through Waste Treatment Plant)

November 3rd	(628-128)x100/628 = 79.6%
November 4th	(720-200)x100/720 = 72.2%

Flow Data: (Gallons of Waste per ton of Production)

November 3rd	4,310,000/ 93.17 = 46,200
November 4th	4,610,000/119.65 = 38,600

Summary and Comparison of Results:

	Sept. 1953	1950
Production, tons	106.81	91.02
Flow, million gallons /day	4.46	6.05
B.O.D., total pounds	11,944	10,120
B.O.D., total pounds per ton	111.3	113.6
Suspended Solids, total pounds /day	27,000	31,868
Suspended Solids, total pounds per ton	255	354.7
Suspendéd Solids, lbs. per ton from machines	26.4	
Suspended Vol. Solids, total pounds	6,434	29,214
Susp. Vol. Solids, total pounds per ton	60.0	151.1
Gallons of waste per ton	42,400	67,533
Population equivalent	71,600	60,580

Remarks:

The September 1953 results reported in the summary are the average of two consecutive twenty-four hour surveys. Between the first and second survey a change was made that eliminated a solids loss from 41.7 to 11.1 pounds. Also, it was only due to an error made in making some mill changes over the preceding week end that the portion of the bleach water was discharged direct to Portage Creek. It has been and it was stated that it was the intent in the future to treat all of this waste in the waste treatment plant.

Survey made by:
Ralph W. Purdy
Chester Harvey

Chemical Analyses by:
Russell Krueger

Mill: Bryant Location: Kalamazoo, MI

198. Are special provisions made for spills, screen rejects, and excess materials from coating or sizing systems?

(a) Yes

(b) No

(c) Limited

199. Does the mill employ organic solvent coating or saturating operations?

(a) Yes

(b) No

200. If yes, please give the type and quantities (lbs/day) of organic solvent used.

_____

_____

201. Give the average daily organic solvent coated or saturated paper produced.

_____ tons/day

SA 030376

SA00030376

Mill: Bryant Location: Kalamazoo, MI

202. Please indicate effluent from the combined papermachine facilities as follows: (i.e., total flow from all machines)

Waste Source	Volume GPM		Suspended Solids (if applicable) lbs/day
a. Centricleaner and machine screen rejects	80		9724
b. Couch pit, seal box, and any other unclarified whitewater overflows	very little		very little
c. Thick stock spills, dumps, washups from stock preparation area and machine	very little	gal/day	very little
d. Excess clarified whitewater	749		3,395
e. Cloudy water from vacuum systems, or pump sealing applications	314		5,042
f. Clear water discharges i.e., cooling services, condensate, other non-process services	268		0
g. Other effluent sources not included above	226		3,060
h. Total papermill effluent	1,637		21,219

i. Is (f) discharged via process sewer or separately? (Circle answer)

(YES) NO

"Yes" answer means (f) discharged via process sewer

Additional Information

203. Does the mill have a program for disposal of old electrical transformers?

(a) Yes

(b) No

204. Please give the number of people employed at your mill. 344

SA 030377

SA00030377

Mill: Bryant Location: Kalamazoo, MI

V. WATER USAGE AND EFFLUENT TREATMENT PRACTICES

Instructions for Completing Section V

Section V requests information on the mill's wastewater treatment practices. In Section VIII a general schematic of the effluent treatment system is requested. You have the option of providing any of the data requested in Section V on the schematic. If you do this, please indicate on the question(s) involved that the data is presented on the schematic.

A. Water Usage

205. Indicate the source and amount of process water.

(a)	Surface (i.e., river, lake or reservoir)	2.570 MGD
(b)	Groundwater	_____ MGD
(c)	Other (please describe) _____	_____ MGD

206. Does the quality of the raw water limit the reuse of water in this mill?

(a) Yes - explain _____

_____

(b) No

207. Indicate the source and amount of the mill's cooling water.

(a)	Surface	1.083 MGD
(b)	Groundwater	_____ MGD
(c)	Other (please describe) _____	_____ MGD

208. Indicate the source and amount of the mill's boiler feed water.

(a)	Surface	0.10 MGD
(b)	Groundwater	_____ MGD
(c)	Other (please describe) _____	_____ MGD

SA 030378

SA00030378

Mill: Bryant Location: Kalamazoo, MI

209. Describe treatment used for boiler feed water conditioning.

Softner is the hot lime, soda ash, caustic and phoschate type.

210. Give the disposal method now employed for boiler blowdown water.

(a) Sewered to treatment plant

(b) Directly discharged

(c) Directly discharged with pH adjustment

(d) Directly discharged after cooling

(e) Other (please describe) _____

B. Background Data

211-212. DELETED - ANSWERED IN PART I

213. How is cooling water disposed?

(a) Separate discharge to receiving stream.

(b) Combined with process waters before treatment.

(c) Combined with treated process waters.

(d) Recycled.

C. Indirect Discharger please provide the following information:

* 214. Name and location of POTW which handles your wastewater.

Kalamazoo Municipal Waste Treatment plant

215-216. DELETED - ANSWERED IN PART I

217. Are there specific pretreatment requirements of limits upon pollutant parameters imposed by the POTW system to which you discharge?

(a) Yes

(b) No

* As noted in Part I, part of effluent from Bryant Clarifier is discharged to a POTW and part to the influent of Monarch Clarifier as shown in "B" Process Schematic. However, for this portion of the survey the Bryant Division is considered an indirect discharger.

SA 030379

SA00030379

Mill: Bryant Location: Kalamazoo, MI

218. If the answer to the preceding question was (a), please list the specific pretreatment requirements or pollutant parameter limits imposed on your mill by the POTW.

Primary settling

219. DELETED - ANSWERED IN PART I

220. If neutralization is practiced, fill in the following. N.A.

Chemical used _____

221. DELETED - ANSWERED IN PART I

222. Are any chemicals or other settling aids added to the primary treatment units?

(a) Yes

(b) No

(c) To the extent necessary (intermittent)

223. Please show the wastewater streams which enter the secondary treatment system (if applicable). N.A.

	Process Source or Sewer No.*		Flow, MGD	BOD, lb/D	TSS, lb/D
a.	Design Values	Average Day			
		Maximum Day			
		Maximum Month			
b.	Primary Treatment Effluent	Average Day			
		Maximum Day			
		Maximum Month			
c.	Other	Average Day			
	_____	Maximum Day			
		Maximum Month			

*Process source or sewer number should be keyed to the mill process and wastewater treatment schematics requested in Section VIII.

SA 030380

SA00030380

Remarks:

Since the July 1955 surveys, the bleach water discharged was relocated so that it receives waste treatment along with other de-ink wastes. This has decreased the quantity of suspended solids in those wastes that are classified as resulting from other paper processing operations to a point where they are within the limit set by this Commission. Other changes evidently were made that resulted in a decrease in waste flow to the treatment plant so that even after the addition of the bleach waste, the resulting flow to the unit is below the July 1955 levels. The result has been a substantial decrease in the quantity of B.O.D. and suspended solids remaining in the effluent.

The formation of a scum layer on the clarifier is no doubt decreasing the efficiency of this unit. If this can be eliminated the treatment plant removals should increase.

Survey written and supervised by:
Ralph Purdy

Field work by:
Robert Courchaine

Chemical Analyses by:
Russell Krueger & Ralph Purdy

RP:mj

COPY

Report of Waste Surveys at Allied Paper Company (Monarch Division) Kalamazoo, Michigan

Survey Periods (24 hours for each)

January 10, 1956
January 11, 1956
January 12, 1956
January 13, 1956
January 14, 1956
January 15, 1956
January 16, 1956

Summary of Results:

Date	1-10	1-11	1-12	1-13	1-14	1-15	1-16
Flow, million g.p.d.	3.5306	3.7333	3.6863	3.5262	3.4319	0.6463	4.04
Production, tons	113.28	101.88	110.50	94.64	97.94		83.0
5-Day B.O.D., lbs.	10,255	9,029	12,106	6,718	6,475		10,2
5-Day B.O.D., lbs/ton paper	90.52	88.63	109.55	70.98	66.13		123.
Total Susp. Sol., lbs.	16,255	17,280	20,056	21,256	15,565		14,9
Total Susp. Sol., lbs/ton paper	143.48	169.96	181.50	224.59	158.92		179.5
Total Susp.Vol.Sol.,lbs.	6,218	4,259	5,525	5,578	5,164		4,739
Total Susp.Vol.Sol., lbs/ton paper	54.90	42.76	50.00	60.51	52.73		57.06
Gallons waste per ton paper	31,219	36,644	33,357	37,259	35,040		48,74
Population Equivalent	61,407	54,066	72,491	40,228	38,776		61,41
Settleable Solids Removals		91.23	93.21	68.49	75.81		86.73
Other Paper Processing Susp. Sol. lbs.	1,212		1,150	670	453		256
Other Paper Processing Susp.Sol., lbs/ton Paper	10.70		10.41	7.08	4.63		3.08

/ day

Type of Mill Production:

De-ink Mill

Mill Water Supply:

Well Water and Portage Creek

Waste Control:

De-ink waste and bleach plant waste flows by gravity to the main pump house. White water is pumped to the gravity line. De-ink waste, bleach water and white water are pumped to a 90-foot diameter clarifier with a 12-foot side water depth. Effluent is discharged to Portage Creek. Sludge is discharged to a large lagoon. Occasional white water overflows and coating room wastes are discharged to Portage Creek through the Cork Street weir.

Survey Procedure:

Effluent from the clarifier is discharged through a weir box. A compan installed recording head meter was used to obtain a continuous record of the flow. A composite sample of the effluent was obtained from the compan's sampling device (water wheel type sampler).

An influent sample was obtained from the discharge line from the pump house. A constant size sample is taken at set time intervals by a timing device and valve arrangement.

White water overflows and other miscellaneous wastes plus uncontaminate were measured at a previously constructed weir in a culvert underneath Cork Street. A recording head meter was installed at the weir to obtain a contin uous daily record of the flow. Samples were taken by an automatic sampler a composited for each survey period.

Survey Data:

Influent							
Date	1-10	1-11	1-12	1-13	1-14	1-15	1-16
5-Day B.O.D., ppm	420	380	495	265	285	30	395
Susp. Sol., ppm	1500	1440	1590	1500	1130	140	137
Susp. Vol. Sol., ppm	870	800	870	750	770	110	790
2-hr. Settleable Sol., ppm		970	1046	1165	730		107
pH	8.2	7.3	6.9				
Effluent							
5-Day B.O.D., ppm	340	290	370	225	225		285
Susp. Sol., ppm	510	555	615	700	533		435
Susp. Vol. Sol., ppm	130	140	165	210	165		135
pH	7.8	7.5	7.2				
Flow, million gals/day	3.5366	3.7533	3.6660	3.5202	3.4319	0.5463	4.04
Other Wastes							
5-Day B.O.D., ppm	8		25	5.0	3.5	37	4.2
Susp. Sol., ppm	32		33	20	19	210	14
Susp. Vol. Sol., ppm	24		13	12	15	68	10
pH	9.1		7.7				
Flow, million gals/day	4.543	4.3018	4.1770	4.0200	2.8605		2.18
Portage Creek							
5-Day B.O.D., ppm			3.1				1.4
Susp. Sol., ppm			0				0.0
Production, tons	113.28	101.88	110.50	94.64	97.94	0	83.0

Survey Calculations:

Pounds of 5-Day B.O.D. to River

1-10	3.5366 x 8.34 x 340	=	10,028
	4.543 x 8.34 x (8-2)	=	227
	Total		10,255

1-11	3.7333 x 8.34 x 290 Total = 9,029		9,029
1-12	3.6860 x 8.34 x 370 = 11,374 4.1770 x 8.34 x (23-2) = 732 Total		12,106
1-13	3.5262 x 8.34 x 225 = 6,617 4.0200 x 8.34 x (5-2) = 101 Total		6,718
1-14	3.4319 x 8.34 x 225 = 6,440 2.8605 x 8.34 x (3.5-2) = 36 Total		6,476
1-15	4.0465 x 8.34 x 285 = 9,618 2.1884 x 8.34 x (37-2) = 638 Total		10,256

Pounds of 5-Day B.O.D. per ton of paper

1-10	10,255 / 113.28	=	90.52
1-11	9,029 / 101.32	=	88.63
1-12	12,106 / 110.50	=	109.55
1-13	6,718 / 94.64	=	70.96
1-14	6,476 / 97.94	=	66.12
1-15	10,256 / 83.02	=	123.53

Population Equivalent

1-10	10,255 / 0.167	=	61,407
1-11	9,029 / 0.167	=	54,066
1-12	12,106 / 0.167	=	72,491
1-13	6,718 / 0.167	=	40,228
1-14	6,476 / 0.167	=	38,778
1-15	No Data		
1-16	10,256 / 0.167	=	61,413

Total pounds of suspended solids to river

1-10	3.5366 x 8.34 x 510	=	15,043	
	4.543 x 8.34 x 32	=	1,212	
	Total			16,255
1-11	3.733 x 8.34 x 555	=	17,280	
	Total			17,280
1-12	3.6860 x 8.34 x 615	=	18,906	
	4.1770 x 8.34 x 33	=	1,150	
	Total			20,056
1-13	3.5262 x 8.34 x 700	=	20,586	
	4.0200 x 8.34 x 20	=	670	
	Total			21,256
1-14	3.4319 x 8.34 x 528	=	15,112	
	2.8605 x 8.34 x 19	=	453	
	Total			15,565

1-15 No data

1-16 4.0465 x 8.34 x 435 = 14,680
2.1884 x 8.34 x 14 = 256
Total 14,936

Total Pounds of Suspended Solids per ton of paper
1-10 16,255 / 113.28 = 143.49
1-11 17,280 / 101.88 = 169.96
1-12 20,056 / 110.50 = 181.50
1-13 21,256 / 94.64 = 224.59
1-14 15,565 / 97.94 = 158.92
1-16 14,936 / 83.02 = 179.90

Total Pounds of Suspended Volatile Solids to river
1-10 3.5366 x 8.34 x 180 = 5,309
4.543 x 8.34 x 24 = 909
Total 6,218

1-11 3.733 x 8.34 x 140 = 4,359
Total 4,359

1-12 3.6860 x 8.34 x 165 = 5,072
4.1770 x 8.34 x 13 = 453
Total 5,525

1-13 3.5252 x 8.34 x 210 = 6,176
4.0200 x 8.34 x 12 = 402
Total 6,578

1-14 3.4319 x 8.34 x 168 = 4,808
2.8605 x 8.34 x 15 = 356
Total 5,164

1-15 No data

1-16 4.0465 x 8.34 x 135 = 4,556
2.1884 x 8.34 x 10 = 183
Total 4,739

Total Pounds of Suspended Volatile Solids per ton of paper
1-10 6,218 / 113.28 = 54.89
1-11 4,359 / 101.88 = 42.79
1-12 5,525 / 110.50 = 50.00
1-13 6,578 / 94.64 = 69.51
1-14 5,164 / 97.94 = 52.73
1-16 4,739 / 83.02 = 57.08

Gallons Waste per ton of paper
1-10 (3,536,600) / 113.28 = 31,219
1-11 (3,733,300) / 101.88 = 36,644
1-12 (3,686,000) / 110.50 = 33,357
1-13 (3,526,200) / 94.64 = 37,259
1-14 (3,471,900) / 97.94 = 35,040
1-16 (3,945,500) / 83.02 = 47,541

Treatment Plant Efficiency

B.C. D. Removal

1-10	(420 - 340) x 100 / 420	=	19.05%
1-11	(380 - 290) x 100 / 380	=	23.68%
1-12	(495 - 370) x 100 / 495	=	25.25%
1-13	(285 - 225) x 100 / 285	=	21.05%
1-14	(285 - 225) x 100 / 285	=	21.05%
1-15	No data		
1-16	(395 - 285) x 100 / 395	=	27.85%

Suspended Solids Removal

1-10	(1500 - 510) x 100 / 1500	=	66.00% - 79.6
1-11	(1440 - 555) x 100 / 1440	=	61.45% - 82.8
1-12	(1590 - 615) x 100 / 1590	=	61.32% - 67.3
1-13	(1500 - 700) x 100 / 1500	=	53.33% - 65.7
1-14	(1130 - 528) x 100 / 1130	=	53.27% - 77.7
1-15	No data		
1-16	(1370 - 435) x 100 / 1370	=	68.24% - 74.2

Suspended Volatile Solids Removal

1-10	(870 - 180) x 100 / 870	=	79.31%
1-11	(800 - 140) x 100 / 800	=	82.50%
1-12	(870 - 165) x 100 / 870	=	81.03%
1-13	(780 - 210) x 100 / 780	=	73.07%
1-14	(770 - 168) x 100 / 770	=	78.19%
1-15	No data		
1-16	(790 - 135) x 100 / 790	=	82.91%

Settleable Solids Removal

1-10	No data		
1-11	(1440 - 555) x 100 / 970	=	91.23%
1-12	(1590 - 615) x 100 / 1046	=	93.21%
1-13	(1500 - 700) x 100 / 1168	=	68.49%
1-14	(1130 - 528) x 100 / 794	=	75.81%
1-15	No data		
1-16	(1370 - 435) x 100 / 1078	=	86.73%

Theoretical Detention Time:

1-10	3.89 hours
1-11	3.69 hours
1-12	3.73 hours
1-13	3.90 hours
1-14	4.01 hours
1-15	21.29 hours
1-16	3.40 hours

Other Paper Processing Suspended Solids per ton paper

1-10	1212 / 113.28	=	10.70
1-11	no data		
1-12	1150 / 110.50	=	10.41
1-13	670 / 94.64	=	7.08
1-14	453 / 97.94	=	4.63
1-15	no data		
1-16	255 / 83.02	=	3.08

MICHIGAN WATER RESOURCES COMMISSION
Waste Water Survey
Allied Paper Corporation Inc.
Bryant, Monarch, & King Divisions
June May 13, 14, 15, 1967

00126440

A 40 hour waste water survey was conducted at the Bryant, Monarch & King Divisions of the Allied Paper Corporation in Kalamazoo on May 13-15, 1967. The purpose of the survey was to determine the quality and quanity of waste water being discharged to the Kalamazoo River by the company and to determine the extent of compliance with an agreement between the company and the Water Resources Commission dated November 30, 1961 and the Final Order of Determination adopted by the Commission October 24, 1951.

Operations

Bryant Division

The Bryant Division employs 900 people in a 6-day operation. This plant has 5 paper machines and a de-inking mill. Book printing paper from bleached kraft and de-inked stock is produced on the 5 paper machines. The water supply is from Portage Creek and a private well in the proportion of 6:1. The waste water consists of waste from the de-inking mill and excess white water from the paper machines. The waste control devices are savealls on each paper machine and a clarifier 100 feet in diameter.

Monarch Division

The Monarch Division employs 200 people on a 7-day schedule. The plant has two paper machines which produce carbon tissue and book printing paper. The raw materials are bleached and unbleached kraft and de-inked stock. The waste water treatment consists of a clarifier 90 feet in diameter which discharges to Portage Creek.

King Division

The King Division employs 400 people and operates on a 6 day schedule. The main product is book printing material which is produced on 4 paper machines. The plant water supply is a private well for processing and the Kalamazoo River water for cooling. The waste water treatment consists of save-alls on each paper machine and a 110 feet in diameter clarifier. At this division, a large part of the clarified water is re-used.

Survey Procedure

All the clarifiers had existing weirs on the discharges. We installed automatic samplers and water level recorders at each clarifier discharge. The automatic sampler took samples proportial to the instantaneous flow at 15 minute intervals. The water level recorder measured the head over the weir on a time chart from which we computed the flow.

Flow Data & Survey Periods

Survey Period #1 Starting June May 13, 1967 at 8:00 a.m. EST
Ending May 14, 1967 at 9:00 a.m. EDST

Survey Period #2 Starting May 14, 1967 at 9:00 a.m. EDST
Ending May 15, 1967 at 9:00 a.m. EDST

gr

NON-DOMESTIC USER SURVEY FORM

I. GENERAL INFORMATION

Allied Paper Inc.	Bryant Mill
Corporate Name	Plant Name
2030 Portage St.	Same
Address - Street and Number	Address - Street and Number
Kalamazoo 49001	Same
City Zip Code	City Zip Code
	345-7131
	Plant Phone Number
U. G. Stoeffler	345-7131
Name and Title of Person Completing Report	Phone Number

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete and accurate.

1/13/82 — Date

Thomas E. Flanagan — Signature of Responsible Official

Vice President Operations — Title

Thomas E. Flanagan
Print or Type Name of Responsible Official

1. Nature of business: Manufacture of paper

(2621) ( ) ( ) Other ( ) ( ) ( )

2. Write the appropriate Standard Industrial Code (SIC) in the box above.

3. What types of waste(s) do you discharge to the sanitary sewer?

A. (X) Sanitary B. ( ) Wash Water C. ( ) Rinse Waters
D. ( ) Cooling Water E. (X) Process Waters F. ( ) Scrubber Waters
G. ( ) Other _____

4. Do you use, store or discharge any acids, bases or materials listed in Table I?

A. (X) Yes B. ( ) No

5. Does the operation of your processes or wastewater treatment facility result in a residual residue or sludge type waste?

A. (X) Yes B. ( ) No

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6. Schedule of operations:

A. 560 Number of employees.

B. 24 hrs/day 7 days/wk 3 shifts/day 12 mos/yr

7. A. If you answered only A to question three(3), sign and return this portion of survey form.

B. If you answer to question three (3) is other than A, complete Section II through VIII of this form, sign it, and return to:

Jean Eldred, Industrial Surveillance Technician
Kalamazoo Wastewater Treatment Plant
1415 N. Harrison
Kalamazoo, Michigan 49007

II. PROCESS AND PRODUCTS

1. Provide a complete list of products used or stored on the site which appear on Table I (the consolidated Critical Materials List and Priority Pollutants List). If you use trade name or proprietory chemicals which do not list contents on the package, indicate the trade name(s) and manufacturer's name(s) at this time. You must also write the manufacturer to request an OSHA Form 20 for each such substance and provide POTW with the necessary information when available, i.e., use numbers NOT chemical name, Table I:

( ) 67 ( ) 69 ( ) ( ) ( ) ( ) ( ) ( ) ( )
( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )

2. Describe each process (add sheets if needed): _____

3. Is any of the enclosed information considered to be confidential?
A. ( ) Yes B. (X) No C. If yes, explain what and why (all requests for confidentiality will be processed according to 40 CFR Part 2): _____

4. Water Supply: A. ( ) Municipal B. ( ) Well C. (X) Other, explain Portage Creek
D. Consumption Used: A. 150 ft^3/min. (ft^3, gals per time unit)
B. _____ (ft^3, gals per time unit)
Consumption Total: _____

5. Does your facility have a Spill Prevention Control and Counter Measures Program (SPOC) CFR 112 or a Pollution Incident Prevention Plan (PIPP) MDNR Rule five (5).

A. (X) Yes B. ( ) No

SA00034118

III. PROCESS WASTEWATER

1. Identify outfalls (circle):

(A.) Surface waters. Name of receiving waters: Portage Creek
B. Septic tank-file field.
C. Surface of ground.
(D.) Municipal sanitary sewer.
E. Storm sewer.
F. Other, describe _____
(include line drawing(s) of process flows and all floor drain discharging to each outfall)

2. Volumes of discharge: A. Average Daily Flow: 1.825 milliongallon per day
B. Maximum Daily Flow: 3.76 million gallon per day
C. Flow is: (X) Measured ( ) Estimated

3. Type of wastewater:

A. % Process 100 B. % Cooling _____ C. % Sanitary ? D. % Other _____

4. Are drains (roof, parking lot, etc.) discharging into the sanitary sewer?
A. ( ) Yes B. (X) No If yes, estimate area drained _____ sq. ft.

IV. DISPOSAL PRACTICES (add extra pages if necessary)

1. How do you dispose of spent chemicals (explain)? In the waste treatment process
A. Volume Disposed of: Unknown

2. How do you dispose of spoilage (explain)? Recycled - spoilage meaning "manufactured paper that is off quality."

3. How do you dispose of precipitates and/or sludges (explain)? Clarifier sludge in drying lagoons
A. Volume Disposed of: 120,000 gals/da

4. Name of waste hauler: _____ License No. _____

5. Do you have pretreatment for your wastes? A. (X) Yes B. ( ) No

If box A is checked: Type: Primary clarification & chemical coagulation
Size: 100 ft. diameter clarifier
Frequency of Operation: continuous

If box B is checked, where and how are the wastes disposed of?

To sanitary sewer ( ) To storm sewer ( )
Industrial Waste Hauler ( ) Other ( )
If other, explain _____

SA 034119

6. Do you have any air emission control equipment which would discharge to the sewer system? A. ( ) Yes B. (X) No

7. Are any of the materials listed in Table I discharged with the wastes?

A. ( ) Yes B. (X) No

C. List by number from Table I: ( ) ( ) ( ) ( ) ( ) ( ) ( )
( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )

V. SPILL PREVENTION (add extra pages if necessary)

1. List bulk materials stored on site (liquid, solids), (including cleaning agents).

Material: Oil Volume: 500,000 gals. Location in plant: Outside-500 ft. frc

Material: _____ Volume: _____ Location in plant: Power Plant

2. Is separate secondary containment provided for bulk materials?

A. (X) Yes* B. ( ) No C. ( ) Some *As per PIPP #23313 on Oct. 1977

3. Is separate secondary containment provided for those processes which contain chemicals listed in Table I?

A. ( ) Yes B. ( ) No

4. Has separate storage been provided for those chemicals which cause hazardous reactions, i.e., acid with cyanide, acids with bases?

A. ( ) Yes B. ( ) No

VI. SAMPLING AND ANALYSIS

1. Are sampling points available for each:

A. Process Line (X) Yes ( ) No

B. Outfall (X) Yes ( ) No

2. Do you sample your process discharge(s)? (X) Yes ( ) No

3. Type of sample A. ( ) Grab B. (X) Composited

If Box B is checked, is sample composited to A. ( ) Flow B. (X) Time

4. Is a sampling vault and/or manhole provided?

A. ( ) Yes B. (X) No

5. Sampling schedule (i.e., 24-hour, during working hours, etc.): _____

24 hour composite

6. What laboratory analysis (wastewater/solids) can be run on site? _____

All required parameters

VII. MISCELLANEOUS

1. Describe any safety precautions to be observed by those visiting at your site:

All visitors must register at office and be accompanied by a mill employee while on company property.

2. Contact Person: Name U. G. Stoeffler
Title Manager Process Development
Phone Number 345-7131

NON-DOMESTIC USER SURVEY FORM

PRETREATMENT: The treatment of a wastewater contribution, at the point of origin, prior to release to a public sewer or collection system.

PROCESS WATERS: Waters that come in contact with an end product or with materials incorporated in an end product.

SAMPLE, COMPOSITE: A composite sample should contain a minimum of eight (8) discrete samples taken at equal time intervals over the compositing period or proportional to the flow rate over the compositing period (EPA).

SAMPLE, GRAB: A sample which is taken from a waste stream on a one-time basis with no regard to the flow in the waste stream and without consideration of time (EPA).

SECONDARY CONTAINMENT: If a tank or vessel storing a chemical ruptures, the secondary containment structure will prevent the loss of the chemical to the environment. Secondary containment should be provided with a volume of 150% of the storage vessel. All potentially polluting materials such as oil, acid, cyanide, etc., should be stored within a secondary containment structure, usually a concrete wall or earthen dike.

SPENT CHEMICALS: Chemicals that have exhausted their usefulness.

STANDARD INDUSTRIAL CODE (SIC): This is a way of identifying industrial types with a four digit code. A manual with the codes is entitled the Standard Industrial Classification Manual and is available in the reference section of most libraries.

SA00034121

NATURAL RESOURCES COMMISSION
JACOB A HOEFER
E M LAITALA
HILARY F SNELL
PAUL H WENDLER
HARRY H WHITELEY
JOAN L WOLFE
CHARLES G YOUNGLOVE

STATE OF MICHIGAN

WILLIAM G MILLIKEN Governor

DEPARTMENT OF NATURAL RESOURCES

HOWARD A TANNER Director
State Office Building
350 Ottawa N. W.
Grand Rapids, Michigan 49503
Phone: 456-6232

September 9, 1982

Mr. U.G. Stoeffler, Manager
Process Development
Allied Paper, Inc.
Kalamazoo, MI 49003

Dear Mr. Stoeffler:

Enclosed is a copy of a "Report of an Industrial Wastewater Survey" conducted at Allied Paper Company on March 1-2, 1982. The report includes the volume of wastewater discharged and results of the chemical analyses performed on the composite of the collected effluent. Grab samples were also obtained for certain determinations. In addition, a 48-hour static toxicity screening test was conducted on a portion of the composite sample at Outfall 390006 (002). The results of the tests are found in Appendix A.

The results of the survey indicate that Allied Paper's discharge to Portage Creek from the Monarch clarifier 390006 (002) met the daily maximum limitations contained in N.P.D.E.S. Permit No. MI0000779 at the time of the survey.

The composite sample collected at Outfall 390006 (002) showed a pentachlorophenol concentration of 60 ug/l (Table 1). This value is higher than the survey concentration found in the previous survey. As a result, it will be our recommendation that the current N.P.D.E.S. permit reissuance for the discharge to Portage Creek from the Monarch clarifier contain a special condition requiring short-term monitoring of this parameter to determine if a water quality based effluent limitation needs to be established.

The remainder of the report is self-explanatory. We would appreciate receiving any comments you may have on the survey report at your earliest convenience.

Very truly yours,

WATER QUALITY DIVISION

Roger Przybysz
Water Quality Specialist

RP/mam
CC: Galen Kilmer, Permit Section, Water Quality Division
Jim Forney, Office of Toxic Materials Control, Environmental Services Div.
John Bohunsky/WQD Files, Lansing
Scott Ross, Compliance Section, Water Quality Division
Jean Eldred, Kalamazoo Wastewater Treatment Plant

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MICHIGAN DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION BUREAU
POINT SOURCE STUDIES SECTION

Report of an
Industrial Wastewater Survey
Conducted at
ALLIED PAPER COMPANY
All Outfalls No. 390222
NPDES Permit No. MI0000795
Kalamazoo County
Kalamazoo, Michigan
March 1-2, 1982

Survey Summary

Wastewater monitoring was performed during one twenty-four hour survey period starting Monday, March 1, 1982.

The results of this survey met the final limitations in the facility's National Pollutant Discharge Elimination System (NPDES) Permit, No. MI0000795 (Table 3).

The survey results are compared to the company's Monthly Operating Report (MOR) results for March, 1982 in Table 3.

A grab sample collected at outfall 390006 (002) was split with the company for comparison of laboratory results. The company reported a higher suspended solids concentration. The BOD_5 results compared well (Table 4).

The results obtained in this survey are compared to the results of the previous survey conducted in January, 1981 in Table 5.

Groundwater drainage from the company's landfill area was sampled. The results are presented in Table 2.

Survey Comments

The composite sample collected at outfall 390006 (002) showed a pentachlorophenol concentration of 60 ug/l (Table 1).

A 48-hour static toxicity screening test was conducted on a portion of the composite sample collected at outfall 390006 (002). The sample was found to be toxic to Daphnia magna on an acute (short term) basis (Appendix A).

Plant Processes

Allied Paper Corporation now operates one mill in Kalamazoo. This is known as the Bryant Mill. Another mill, known as the Monarch Mill, has been permanently shut down and is being demolished. The Bryant Mill produces bible paper and other specialty papers on five Fourdrinier machines.

Under normal production the mill produces approximately 220 tons of product per day. The mill uses bleached kraft pulp manufactured at other locations.

The mill employs 389 people and operates 24 hours per day, 7 days per week. Production was considered normal during the survey.

Water, Wastewater & Treatment

Portage Creek supplies the process water. Water used at the Bryant Mill is chlorinated and passed through sand filters prior to its use. Potable water for the mill is obtained from the City of Kalamazoo. Domestic wastes are discharged to the city's sanitary sewer system.

Schematics of the wastewater treatment system and plant configeration are shown in Figures 1 & 2. Wastewater received at the 100-foot circular Bryant clarifier originates from excess white water, filter backwash, and from the lime-soda ash softening process used for boiler feed water. A polymer is added to improve settling in the Bryant clarifier. Alum is available but wasn't used during the survey. A portion of the Bryant clarifier effluent is discharged to the city sanitary sewer system. The rest is discharged to the 90-foot circular Monarch clarifier. The company maximizes the loading which can be placed on the Monarch clarifier without exceeding permit limitations for discharging to Portage Creek. Flow is automatically apportioned via a computerized system utilizing a total organic carbon analyzer. Some of the Monarch clarifier effluent is recycled for process water. The remaining portion is discharged to Portage Creek via outfall 390006 (002).

Sludge from both clarifiers is disposed of on plant property.

Survey Procedure

The flows and samples were obtained as follows:

Sample Description	Flow Measurement	Sampling Methods & Location
390006 (002) (Monarch Mill)	Company installed 36-inch rectangular weir/staff installed water level recorder.	Automatic air activated composite sample, 4-aliquot grab composite sample and individual grab sample; collected at discharge from clarifier.
390004 (001) (Bryant Mill)	Company totalizer.	4-aliquot grab composite sample and individual grab sample; collected at discharge from clarifier.
Drainage from Landfill	--	Individual grab sample; collected at service road to Bryant clarifi

A water level recorder provides a continuous account of the liquid level or head above the crest of a weir. A head versus time graph is obtained for the duration of the survey period. The total volume of wastewater over the weir during the survey period is computed from the graph.

An automatic sampler composites samples at timed intervals. Samples may be proportional to the instantaneous flow over the weir.

Extractable organic composite samples are collected by the grab composite method.

A grab composite consists of a series of individual grabs composited into one sample.

An individual grab is a single instantaneous sample.

Samples were analyzed by the Environmental Protection Bureau Laboratories loca in Lansing.

Samples were preserved according to Table 6. The results of the physical and chemical analyses are presented in Tables 1 & 2. Letter codes for laboratory results are defined in Table 6.

SA00027591

Allied Paper Company - Kalamazoo

Table 1 Analyses of composite samples.

Outfalls		390006 (002)		390004 (001)	
Survey Period	From	3-1-82 - 1435		3-1-82 - 1420	
	To	3-2-82 - 1435		3-2-82 - 1430	
Computed flow rate[1] (M^3/day)		1,210		(5,710)	
		mg/l	kg/day	mg/l	kg/day
Suspended solids		20	20	28	160
Dissolved solids		740	900	720	4,100
Settleable solids		4	5	6	30
COD		220	270	220	1,300
TOC		75	91	74	420
BOD_5		140	170	130	740
$CBOD_5$		140	170	--	--
$CBOD_8$		130	160	--	--
$CBOD_{12}$		160	190	--	--
$CBOD_{15}$		150	180	--	--
$CBOD_{20}$		170	210	--	--
Nitrite & nitrate nitrogen-N		5.0	6.0	4.3	25
Ammonia nitrogen-N		0.96	1.2	0.90	5.1
Kjeldahl nitrogen-N		9.5	11	7.5	43
Total phosphorus-P		0.12	0.15	0.13	0.74
		ug/l		ug/l	
Phenol		5.2 NA	0.0063	4.6 NA	0.026
Phenols Scan					
Pentachlorophenol (PCP)		60	0.07	< 20	--
Others in scan		U	--	U	--

1 - Flow rates used in the computation of kg/day (obtained from company totalizer).
To obtain MGD multiply M^3/day by 0.0002642
To obtain lbs/day multiply kg/day by 2.205

SA00027592

Allied Paper Company - Kalamazoo

Table 2 Analyses of grab samples.

Date	Time	Flow[1] M^3/day	Temp.[1] °C	pH[1] S.U.	Residual[1] Chlorine mg/l	D.O. mg/l	Susp. solids mg/l	Diss. solids mg/l	Settle. solids mg/l	COD mg/l	TOC mg/l	BOD_5 mg/l	$CBOD_5$ mg/l
390006 (002)													
3-1-82	1450	1140	22.5	6.7	U	8.2	20	840	4	240	110	170	170
3-2-82	0745	886	21.5	6.9	U	9.0	20	730	4	220	72	130	130
390004 (001)													
3-2-82	0725	--	23.5	7.0	U	--	16	720	NA	200	75	140	--
Drainage													
3-2-82	0735	--	3.0	7.6	--	--	< 4	530	NA	21	6.7	--	--

Date	Time	$CBOD_8$ mg/l	$CBOD_{12}$ mg/l	$CBOD_{15}$ mg/l	$CBOD_{20}$ mg/l	Nitrite & nitrate nitrogen mg/l	Ammonia nitrogen mg/l	Kjeldahl nitrogen mg/l	Total phosphorus-P mg/l	O&G I.R. mg/l	O&G Grav. mg/l	Ph u
390006 (002)												
3-1-82	1450	150	180	170	190	7.2	0.64	10.	0.13	1	< 2	6.
3-2-82	0745	130	130	160	180	4.1	0.85	8.2	0.12	1	< 2	4.
390004 (001)												
3-2-82	0725	--	--	--	--	3.8	0.66	7.7	0.12	1	< 2	3.
Drainage												
3-2-82	0735	--	--	--	--	0.32	0.67	1.2	0.10	< 1	< 2	-

1 - Values determined in the field at time of sampling.

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SA 027594

Allied Paper Company - Kalamazoo

Table 3 Comparison of survey results with the facility's NPDES Permit and Monthly Operating Report.

Parameter (Unit)	NPDES Permit Final Limitations		March Monthly Operating Report				Survey Results[1]
	Daily Average	Daily Maximum	Monthly Average	Monthly Maximum	3-1-82	3-2-82	
390006 (002)							
Flow (M^3/day)	--	--	1,800	2,970	1,330	2,770	1,210 (1,450, 765)
Settleable solids (ml/l)	--	--	0.05	0.05	0.05	0.05	--
(mg/l)	--	--	--	--	--	--	4 (4, 4)
Oil & Grease (visual)	No visible film		0	0	0	0	--
(mg/l)	Quantitative analysis not required		--	--	--	--	-- (2, 2)
BOD_5 (kg/day)	230	350	226	349	195	335	170
Suspended solids (kg/day)	230	350	92.1	215	37	66.2	20
pH (S.U.)	not <6.5 nor >9.5		--	7.2 min. 6.5	6.5	6.8	-- (6.7, 6.9)

1 - Survey results are for the composite sample. Grab sample ranges are shown in parentheses ( ).
To obtain MGD multiply M^3/day by 0.0002642
To obtain lbs/day multiply kg/day by 2.205

Table 4 Comparison of the laboratory analytical results obtained by Allied Paper Company and the Environmental Protection Bureau from the split grab sample.

Outfall	390006 (002)	
	Allied Paper	E.P.B.
Flow (M^3/day)	1,320	1,210
	mg/l	mg/l
Suspended solids	36	20
BOD_5	138.3	130

Table 5 Comparison of the previous survey results with the results obtained in this survey at Allied Paper Company - Kalamazoo.

Outfalls		390006 (002)		390004 (001)	
Survey Date	From	1-26-81	3-1-82	1-26-81	3-1-32
	To	1-27-81	3-2-82	1-27-81	3-2-82
Flow Rate (M^3/day)		2,500	1,210	5,806	5,710
		mg/l	mg/l	mg/l	mg/l
Suspended solids		47	20	49	28
Dissolved solids		590	740	640	720
Settleable solids		9	4	< 2	6
COD		110	220	180	220
TOC		38	75	58	74
BOD_5		62	140	110	130
$CBOD_5$		56	140	--	--
Nitrite & nitrate nitrogen-N		0.08	5.0	0.83	4.3
Ammonia nitrogen-N		< 0.01	0.96	< 0.01	0.90
Kjeldahl nitrogen-N		4.0	9.5	4.2	7.5
Total phosphorus-P		0.33	0.12	0.50	0.13
		ug/l	ug/l	ug/l	ug/l
Phenol		8	5.2	7	4.6
Pentachlorophenol		0.58	60	--	--

SA00027595

Table 6 Sample Preservation

Parameter	Preservative
COD/TOC/Phenol/Nutrients (Chlorine Absent)	5 drops conc. H_2SO_4/250 ml (to pH 2).
D.O.	Fixed on site.
Oil & Grease	10 drops conc. H_2SO_4/250 ml (to pH 2).
Acid Extractables	Dechlorinated (if needed) with sodium thiosulfate (1 drop 0.141 N/mg/l Cl_2/250 ml). 40 drops H_2SO_4/1000 ml (to pH 2).

Samples preserved as required, cooled to 4°C with chain of custody maintained.

Lab Letter Codes

NA - Analytical method has not yet been approved by laboratory.
U - Indicates material was analyzed for but not detected.

Survey by: Peter Ostlund, Environmental Engineer
William Long, Water Quality Investigator
Richard Irvin, Water Quality Technician

Contact with Management: U.G. (Les) Stoeffler
John Roth, Certified Operator

Hydrocarbon Analyses by: Environmental Protection Bureau Laboratory

Physical, Chemical & Bacteriological Analyses by: Environmental Protection Bureau Laboratory

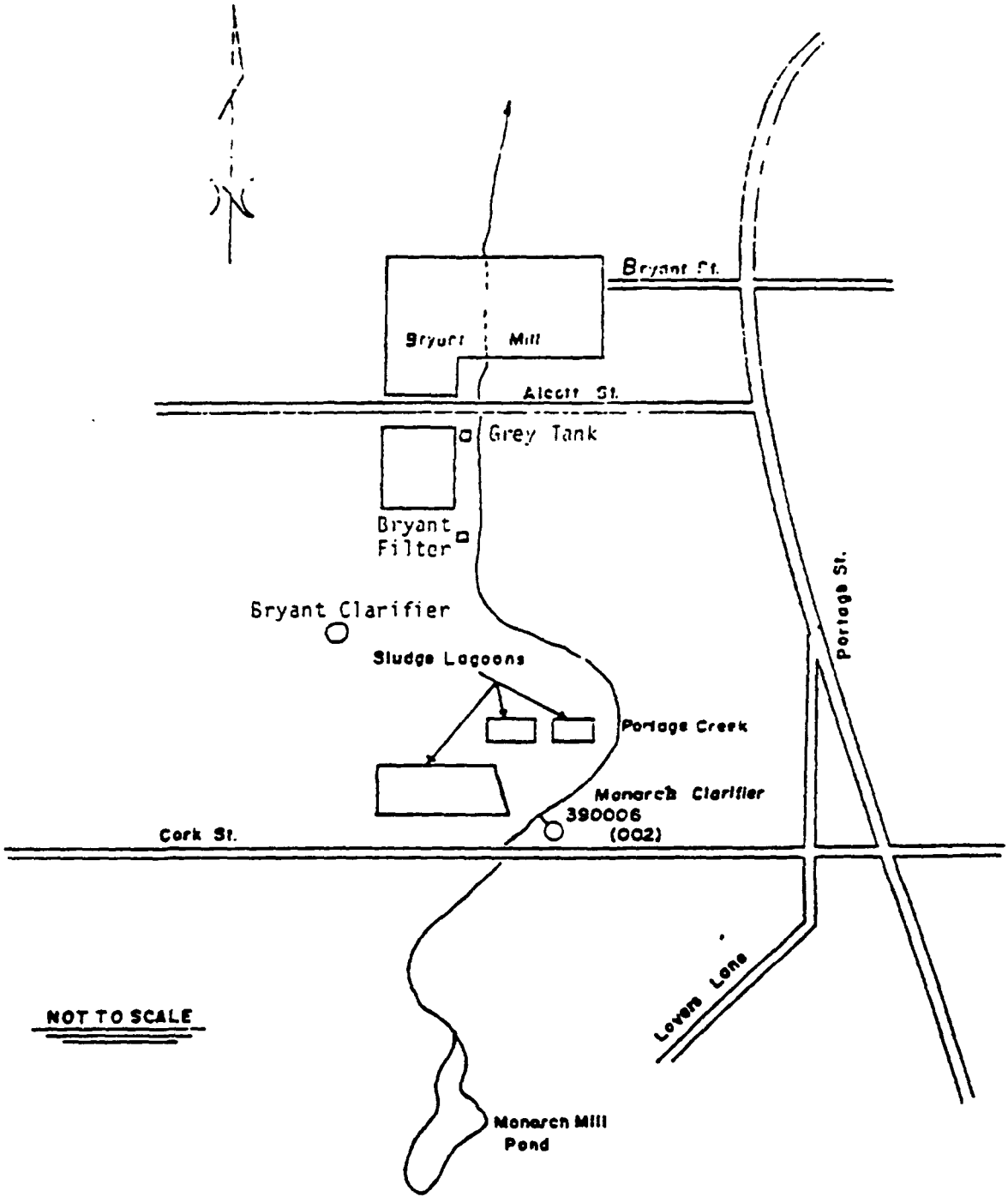
Report by: Peter Ostlund
William Long
Point Source Studies Section
Environmental Services Division
Environmental Protection Bureau
Michigan Dept. of Natural Resources

Distribution "A"
MM
5/17/82

SA00027596

FIGURE 1

ALLIED PAPER MILLS
KALAMAZOO



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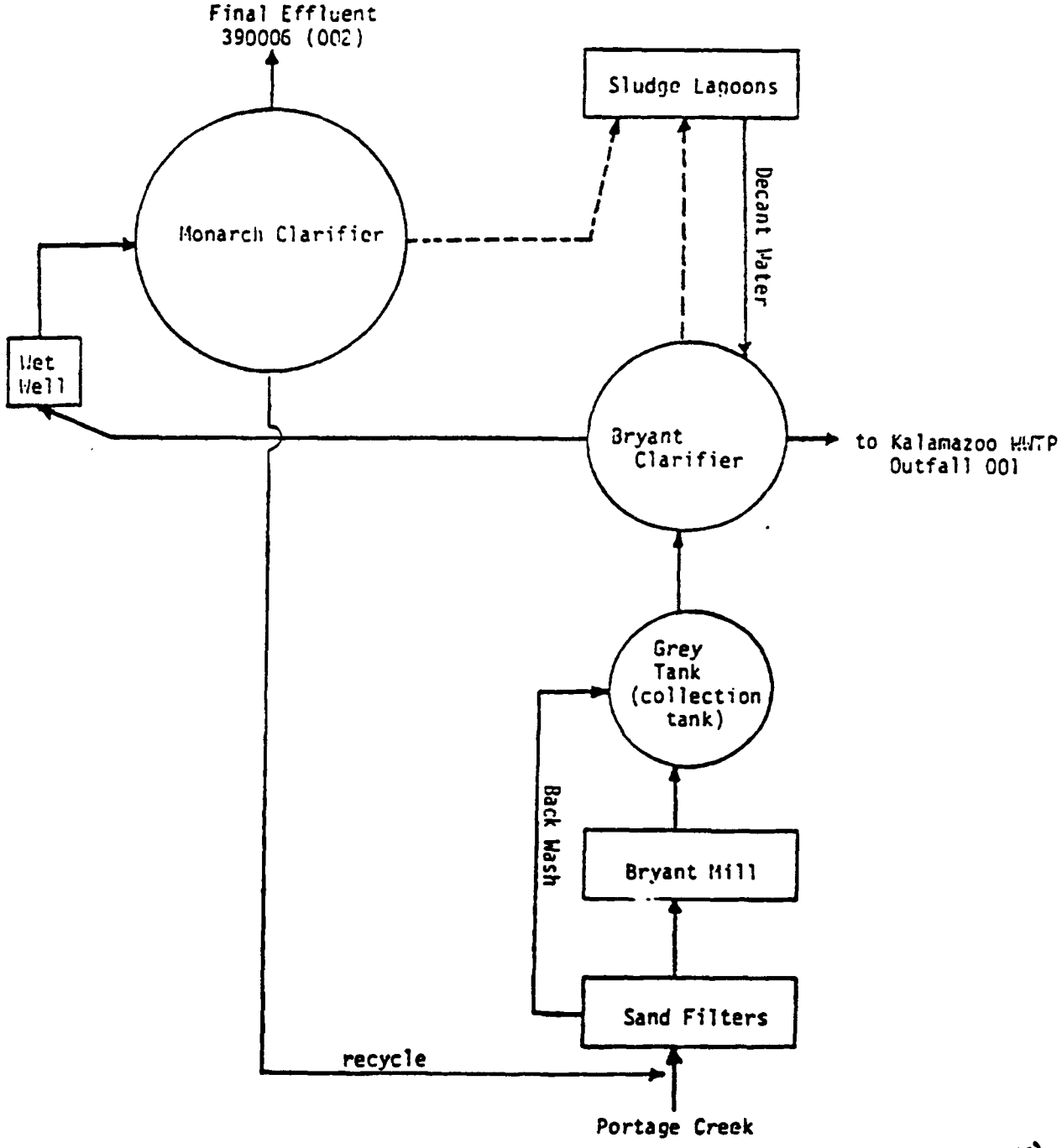
SA 027597

Figure 2 Allied Paper Company - Kalamazoo

Wastewater Treatment



7/24/81

SA00027598

Appendix A

Mini Screening Test for Acute Effluent Toxicity

ALLIED PAPER COMPANY
Kalamazoo, Michigan
March 3-5, 1982

Unpreserved portions of the composite sample collected from outfall 390006 (002) was tested for acute toxicity using the macroinvertebrate Daphnia magna. Ten daphnids (<24 hours old) were exposed to 200 ml of undiluted effluent and control water (carbon filtered Lansing city water). The daphnids, contained in pairs of beakers, were observed at 48 hours to determine the percent immobilized (Table 1). Conditions present in test solutions at 0 and 48 hours are given in Table 2. Additional details are available upon request.

This mini screening test provides an indication of effluent toxicity at the point of discharge. The results identify possible violations of Rule 1032 (Water Quality Standards, 1973) and indicate where more extensive testing may be needed.

Table 1 Toxicity to Daphnia magna.

Outfall	% immobilized in 48 hours
390006 (002)	100

Table 2 Test conditions.

	Outfall 390006			
	0 hours		48 hours	
	Control	100%	Control	100%
Dissolved oxygen (mg/l)	8.5	6.3	8.4	1.8
Oxygen saturation (%)	96	70	95	20
pH (S.U.)	7.7	7.0	7.6	7.2
Temperature (°C)	20	20	20	20
Conductivity (umhos)	270	1000	270	950
Alkalinity (mg/l)	40	100	--	--
Hardness (mg/l)	84	250	--	--

SA00027599

Permit, No. MI 0000779

State of Michigan
Department of Natural Resources
Water Resources Commission

RECEIVED
APR 30 1979
Water Qual. Control

DISCHARGE PERMIT APPLICATION

(Please print or type all information)

Section 1. Applicant and Facility Description — unless otherwise specified on this form, all items are to be completed. If an item is not applicable, indicate "NA."

1. **Legal Name of Applicant:**

   Allied Paper Incorporated

2. **Mailing Address of Applicant:**

   number & street 2030 Portage Street

   city Kalamazoo state MI zip code 49001 phone 616 (area code) 345-7131 (number)

3. **Applicant's Authorized Agent for further correspondence:**

   name & title U. G. Stoeffler, Manager Process Development

   number & street 2030 Portage Street

   city Kalamazoo state MI zip code 49001

   telephone: area code 616 number 345-7131

4. **Facility/Activity:** give name, ownership and physical location of the plant or other operating facility where discharge(s) does or will occur.

   name Allied Paper Incorporated, Monarch Mill

   ownership: ____ sole owner; X corporation; ____ state in which incorporation filed;

   ____ partnership; ____ governmental unit; ____ nonprofit organization.

   location:

   street & number Cork Street (Mailing Address - 2030 Portage St.)

   city Kalamazoo township ____

   county Kalamazoo ; town ____ range ____ section ____

I certify that I am familiar with the information contained in this application, and to the best of my knowledge and belief, such information is true, complete and accurate. Submitted in accordance with Section 8 (b), Act 245, Public Acts of 1929, as amended.

Signature of Applicant	Date	If Partnership, Signature of Co-Owner	Date

Print or Type Applicant's Name & Title	Print or Type Co-Owner's Name
Thomas Flanagan, Vice President Manufacturing	

NOTE: If sanitary sewage is to be discharged from housing developments, apartment buildings, shopping centers, or other commercial developments, into a system other than an approved municipal sanitary waste collection system, the following should be completed and signed by an authorized municipal official or township officer.

It is the policy of the Commission that applications involving the disposal of sewage of human origin from any entity other than local government include the local government as a co-signer of the statement, and that all proceedings and hearings against said entity will include the local unit of government as a party by appropriate notice, and all permits issued as a result of such hearings and proceedings will be jointly against the said unit and entity.

Signature of Authorized Local Government Representative

Mailing Address of Local Government Representative

Print or Type Name of Local Government Representative

5. **Nature of Business:** describe the nature of the business or manufacturing process conducted at the plant or operating facility.

6. **Source of Water Supply:** indicate average water intake volume per day by sources

municipal — name Kalamazoo	18,750	gallons per day
* surface water intake — name Portage Creek	1,980,000	gallons per day
private-well		gallons per day
other (specify)		gallons per day

7. **Facility Water Usage:** average volume in gallons per day for the following types of water usage at the facility.

* process water (including contact cooling water)	1,916,000	gallons per day
noncontact cooling water		gallons per day
* sanitary water (number of people served) 103	18,750	gallons per day
* other (specify) Sand Filter Backwash	64,000	gallons per day
total	1,998,750	gallons per day

* These flows are for the Monarch Mill manufacturing facility.

8. **Facility Discharges:** specify number of discharge points and the volume of water discharged or used from the facility according to the categories below.

	number of discharge points	total volume used or discharged — gal/day
surface water	1	1,980,000
municipal sanitary sewer	2	18,750
municipal storm sewer		
groundwater —		
a. land application		
b. percolation system		
well injection		
other (specify)		
* total	3	1,998,750

9. **Discharge Locations:** provide a drawing or map of the facility showing each point of discharge listed in item 8. Label each discharge with the appropriate three digit serial number assigned in Section II, 1 (a).

10. **Pollution Incident Prevention Plan:** has your facility submitted a Pollution Incident Prevention Plan?

yes X no _____ date submitted Dec. 1, 1977 date fully implemented March 15, 1978

11. **Critical Materials**

a. **usage:** This application contains a list of critical materials. Please indicate the amount of these materials used in produced in, or are incidental to your operation.

name	amount lbs/yr.	name	amount lbs/yr.
Chlorine 70,000 #/yr.			
Formaldehyde 52,000 #/yr.			
Pentachorophenol (Dowicide G) 300#/yr.			

* These flows are for the Monarch Mill manufacturing Facility

Permit No. 0000779 Discharge Serial No. 0 0 2

Section II Basic Discharge Description
(Please print or type all information)

Complete this section for each discharge indicated in Section 1, Item 8, except those discharges which enter a sanitary sewer. Separate descriptions of each discharge are required even if several discharges originate in the same [illegible]. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

1. **Discharge Serial No. and Name**

   a. discharge serial number 0 0 2 (three digit code, 001, 002, etc.)

   b. type of waste water being discharged (Process, noncontact cooling, etc.) Process Water

   * c. volume discharged 2,613 average gals/day 4,004 maximum gals/day

2. **Discharge Location**

   town _____ range _____ section _____

   county _____ city or town _____

3. **Discharge Point Description** (If the discharge is to a county drain or storm sewer, indicate the receiving waters; e.g., Clear Lake via Mud Drain)

_____ lake	_____
X river or stream	Portage Creek
_____ municipal storm sewer	_____
_____ county drain	_____
_____ groundwater	_____
_____ well injection	_____
_____ other (specify)	_____

4 **Activity Description**

give a narrative description of activity producing this discharge:

Excess white water resulting from the manufacture of paper and sand filter backwash water

* This discharge serial number is from the Monarch clarifier effluent and the influent to this clarifier is made up from the Monarch Mill discharge and some effluent from the Bryant clarifier. (See attached drawing for Section II-6)

5. **Activity Causing Discharge:** For each S.I.C. Code which describes the activity causing this discharge, supply the type and average and maximum amount of *either* the raw materials consumed (Item 5a) or the product produced (Item 5b).

a. raw materials:

S.I.C. Code	name	average amt/day	maximum amt/day	unit (see Table II)	discharge(s) serial No. (s)

b. products:

S.I.C. Code	name	average amt/day	maximum amt/day	unit (see Table II)	discharge(s) serial No.(s)
2621*	Paper Manufacture	38	45	ton of product	002

6. **Waste Abatement Practices:** Briefly describe the waste treatment practices applied to this discharge. (attach a waste flow diagram)

narrative: Excess process white water and backwash water flows from Monarch Mill through a pipe under Cork Street to the Monarch clarifier wet well. Before leaving the Monarch Mill basement, alum is added to the waste flow. Effluent from Bryant clarifier is also added at Monarch wet we'l. Polymer is added at the wet well pump. The combined waste flow is pumped to the center ring of the clarifier for clarification and flows into the launder and discharge weir to Portage Creek.

a. distance of treatment facility and/or disposal area from nearest well:

private well not known feet; municipal well 3400 feet.

* From Monarch Manufacturing facility only.

b. if subsurface disposal, land application, or oxidation pond is proposed, nearest distance to a surface watercourse: _____ feet.

c. if discharge is to underground by injection well, include an application and/or approved permit in accordance with the provisions of Act 315, Public Acts of 1969.

d. names and addresses of property owners adjacent to the facility:

name	address
West-Consolidated Rail Corporation	6 Penn Center Plaza
	Philadelphia, PA 19104
East-Cork Lane Car Wash-Door Corp.	721 E. Cork St., Kalamazoo, MI
South & North-Allied Paper Inc.	

7. **Wastewater Characteristics:** If you presently have a discharge permit, list all parameters reported on the current monthly operating report and compute monthly averages, maximum and minimum from the past twelve months. For the proposed discharge, describe the expected characteristics of the discharge after treatment.

Parameter	Monthly Average	Monthly Maximum	Monthly Minimum	Sample Frequency	Sample Type
Flow (50050)	2.802 MGD	3.184	2.419	Continuous	Capacitance Probe
BOD (85001)	386 #/Day	487	301	Continuous	KJM
Solids Set (00545)	0.06	0.07	0.05	Grab	-
Solids Suspended 85032	129 #/Day	210	28	Continuous	KJM
pH (00400)	-	9.4	6.5	Grab	-
Oil-Grease (01300)	0.3	0.40	0.100	Grab	-

8. **Critical Materals Discharged:** List those critical materials not reported in Item 7 which may be present in the discharge.

Parameter	Concentration	Units

9. **Plant Controls:** Check if the following plant controls are available for this discharge:

____ alternate power source _X_ alarm or emergency procedure for power or equipment failure.

10. **Residuals and Residues:** Are there any sludges, residues, or critical materials removed from or resulting from treatment or control of wastewaters produced by this discharge?

_X_ yes; ____ no; if *no* is checked, continue to Item 11.

a. the physical state of the residue:

____ liquid; _X_ heavy sludge; ____ wet solids; ____ dry solids.

b. the liquid portion of the residue is primarily:

_X_ water; ____ oil; ____ chemical solvent.

c. the residue results from:

_X_ process wastewater; ____ sanitary sewage; ____ chemical production;

____ food processing; ____ machining; ____ dust collection;

____ paint booths; ____ water treatment; ____ other (specify).

d. estimate the total annual volume or weight of the material:

2,700,000 gallons; pounds; cubic yards (circle one)

e. if you dispose of the material yourself, indicate the type of disposal site:

____ public landfill; ____ private landfill; _X_ own land;

____ shipped out of state; ____ incinerated; ____ other (specify).

f. if a public or private landfill(s) is used, give name(s) and address(es):

None

g. if you have the material removed by commercial waste or refuse hauler(s), give name(s) and address(es):

None

h. indicate how the material is stored before disposal or removal:

_____ metal drums; _____ fiber drums; _____ aboveground tank;

_____ underground tank; _____ stockpiled on ground;

_____ holding pond/lagoon; _____ other (specify) _____

11. **Water Treatment Additives:** if the discharge is treated with any conditioner, inhibitor, algicide, answer the following:

a. name of material(s) WT 2640 - Polymer

Liquid Alum

b. name and address of manufacturer(s) Polymer - Calgon Corporation, Pittsburgh, PA.

Alum - American Cyanamid Corporation, Kalamazoo, MI

c. quantity (pounds added per million gallons of water treated) Polymer 207#, Alum 840#

d. chemical composition of these additives:

Polymer - Co-polymer of dimethyl diallyl Ammonium chloride acrylamide

Alum - Aluminum sulphate

NOTE: Complete items 12-14 if there is a thermal discharge; e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery or any other manufacturing process.

12. **Thermal Discharge Source:** Check appropriate item(s) indicating the source of this discharge.

	NONE	gallons/day
boiler blowdown		
boiler chemical cleaning		
ash pond overflow		
boiler water treatment — evaporation blowdown		
oil or coal fired plants — effluent from air pollution control devices		

12. (continued)

condenser cooling water _____

cooling tower blowdown _____

manufacturing process _____

other (specify) _____

13. **Discharge Temperature:** N.A.

maximum summer _____ °F maximum winter _____ °F

average summer _____ °F average winter _____ °F

14. **Intake Temperature:** N.A.

average summer _____ °F average winter _____ °F

There are several other regulatory laws governing different facets of operation - such as T.O.S.C.A., R.C.R.A, Act 64 etc. but are not applicable to this report. We regularly fill out survey forms sent by various State and Federal agencies compliance is mandated by statute.

As per U.S.E.P.A. and Michigan DNR requirement, Allied has under Al Vickery's direction and plan, prepared Pollution Incidence Prevention Plans (PIPP). These are filed with both EPA and DNR and have to be at hand for inspection by EPA people when they pay us those surprise visits.

The recent Michigan D.N.R. reorganization has concentrated all the Environmental Protection Bureau people for this district in the Plainwell office including Hazardous Waste, Community Assistance, Air Quality, Ground-Water Quality and Surface Water Quality. How long this re-alignment structure functions will depend on the wishes of the newly appointed D.N.R. Director. There have been some rumbling about putting all waste treatment facilities under the jurisdiction of the State Department of Public Health or a new agency.

PROCESS WATER

Historically the Bryant Division has used Portage Creek as the principal source of process water. The water from the creek enters the system at the Cork Street pump house and is pumped through a 24" pipe for some 3500 feet to the filter plant. In the last few years the old Hungerford and Terry gravity down flow sand filters have become inadequate to provide the quality of water required to produce quality light weight papers. This was especially evident when a program of recycling some our clarified effluent to the process water pump house was started in November, 1981.

Recently three Parkson Dynasand filters have been installed and put on line in the filter plant. These are upflowing sand filters, that continuously backwash the sand. The water enters at the bottom of the filter and flows upward through some 40" of sand overflowing to the clearwell. The washed sand falls to the top of the bed and the backwash water flows to the sewer. The sand is continuously moving downward and the water upward. It is calculated that this backwash system will reduce the volume of backwash water some 300,000 gallons per day from that of the old sand filter backwash volume.

Previously, when using the old sand filters only a chlorine water injection before the filters was used to oxidize the iron, silt and bacteria in the incoming water. It was soon evident that using the Dynasand method of filtering this single chemical treatment was not sufficient to produce a satisfactory quality water for the manufacturing process even with only a small amount of recycled water.

With the addition of other chemicals and/or modifications of injections points in the system we have produced a water of acceptable quality with an influent of 100% Portage Creek water. At the present time we are able to produce the same water quality with a 10% substitution of recycled clarifier effluent. We anticipate that within a reasonable time we will be able to produce a quality process water using a higher percentage of recycled water in a totally automated system, with permanent chemical additions systems. The responsibility for achieving this objective presently lies with a committee of staff people.

In addition to this immediate objective our longer range objectives are to decrease they use of City water in the manufacturing process by maintaining a high quality process water, increase the use of recycled water to the system, and reduce the strength and volume of waste water from the mills. These objectives will require the combined efforts of Manufacturing, Engineering, Maintenance and

SA00034153

DAILY AVERAGE FLOWS 1983

FRESH WATER

	MILL C	MILL D	POWER PLANT	BACK WASH	TOTAL
JANUARY	0.645	1.502	0.187	0.306	2.640
FEBRUARY	0.517	1.553	0.196	0.261	2,530
MARCH	0.517	1.588	0.187	0.414	2.694
APRIL	0.599	1.487	0.186	0.551	2.824
MAY	0.653	1.502	0.180	0.571*	2.568
JUNE	0.660	1.482	0.173	—	2.316
JULY	0.621	1.419	0.158	—	2.199
AVERAGE	0.602	1.505	0.181		2.539

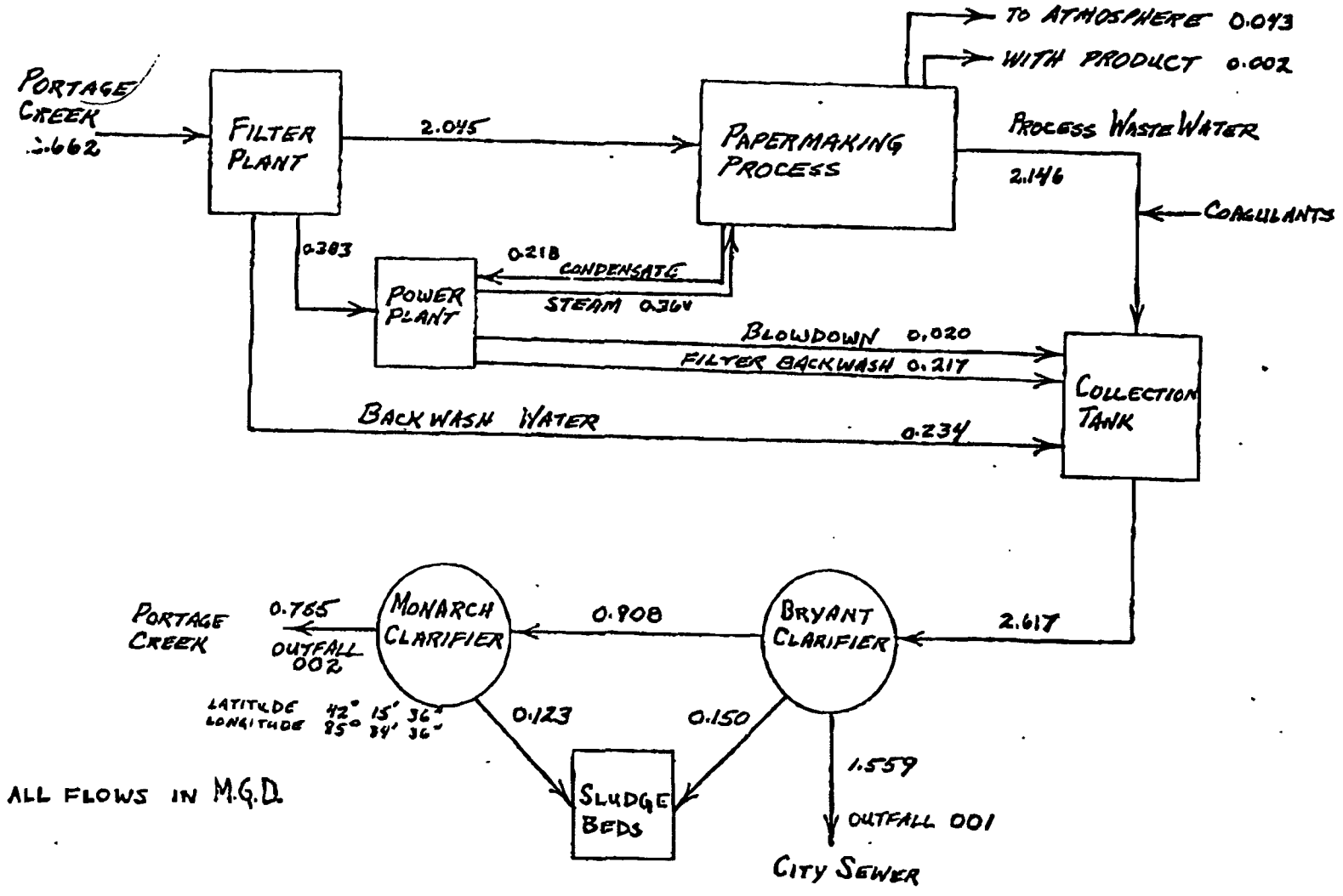
WASTE WATER

	PORTAGE CREEK	CITY	RECYCLE	TOTAL
JANUARY	0.466	1.372	0.806	2.644
FEBRUARY	0.481	1.452	0.568	2,501
MARCH	0.620	1.526	0.550	2.696
APRIL	0.616	1.727	0.613	2.956
MAY	0.515	2.074	0.594	3.183
JUNE	0.459	2.019	0.591	3.069
JULY	0.441	2.143	0.569	3.134
AVERAGE	0.514	1.759	0.613	2.883

FRESH WATER USE DAILY AVERAGE

Week of	C	D-Total	Total
4-15-84	1.140	1.168	2.695
4-22-84	1.018	1.218	2.583
4-29-84	1.185	1.283	2.816
5-06-84	1.113	1.248	2.722
5-13-84	1.087	1.158	2.597
5-20-74	1.166	1.208	2.684
5-27-84	1.130	1.222	2.665
6-03-84	1.154	1.134	2.648
Average	1.124	1.205	2.676
Std. Dev.	0.053	0.049	0.074

ALLIED PAPER INC. KALAMAZOO, MICHIGAN
SCHEMATIC WATER FLOW



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SA0005639

03/28/01 WED 14:18 FAX 7343321212 LIMNO-TECH 002

Comparison of Fresh Water [illegible]

Date	Fresh Water Mill C	Mill D	Power Plant	Back Wash	Total F.W.	[illegible]	Difference [illegible]
1	0.541	1.403	0.197	0.634	2.775	2.[illegible]	[illegible].131
2	0.604	1.482	0.199	0.525	2.810	3.145	0.335
3 s	0.633	1.477	0.209	0.525	2.844	2.785	-0.059
4 6	0.657	1.820	0.199	0.583	3.259	3.525	0.266
5	0.563	1.496	0.197	0.448	2.704	2.990	0.286
6 9	0.636	1.586	0.190	0.524	2.936	3.022	0.086
7	0.493	1.447	0.187	0.562	2.689	2.942	0.253
8 8	0.494	1.505	0.187	0.567	2.753	2.528	-0.225
9	0.481	1.484	0.187	0.491	2.643	2.396	0.247
10 s	0.474	1.343	0.190	0.519	2.526	2.463	-0.063
11 5	0.620	1.559	0.178	0.649	3.006	3.417	0.411
12	0.714	1.552	0.187	0.385	2.838	3.381	0.543
13 8	0.471	1.693	0.175	0.539	2.878	3.138	0.260
14 7	0.578	1.610	0.178	0.736	3.102	3.425	0.323
15	0.632	1.438	0.187	0.535	2.792	3.046	0.254
16	0.620	1.400	0.187	0.601	2.808	3.168	0.360
17 s	0.621	1.411	0.187	0.629	2.848	2.645	-0.203
18 7	0.578	1.456	0.194	0.481	2.709	2.980	0.271
19 9	0.571	1.542	0.190	0.573	2.876	2.925	0.049
20	0.551	1.469	0.190	0.469	2.679	2.705	0.026
21	0.638	1.379	0.194	0.454	2.665	2.871	0.206
22	0.626	1.405	0.182	0.546	2.759	3.053	0.294
23	0.632	1.429	0.185	0.503	2.749	2.999	0.250
24 s	0.632	1.452	0.185	0.428	2.697	2.635	-0.062
25 6	0.623	1.481	0.185	0.482	2.771	3.063	0.292
26	0.530	1.433	0.178	0.510	2.651	2.802	0.151
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

26		0.530	1.433	0.178	0.510	2.651	2.802	0.151
27	8	0.549	1.586	0.180	0.575	2.890	2.940	0.050
28	7	0.525	1.407	0.170	0.730	2.832	2.954	0.122
29	6	0.688	1.520	0.186	0.474	2.868	2.901	0.033
30		0.738	1.432	0.193	0.550	2913	2.928	0.015
May	1 5	0.531	1.418	0.170	0.609	2.728	2.691	-0.037
	2	0.605	1.560	0.178	0.668	3.011	3.176	0.165
	3 9	0.558	1.539	0.168	0.525	2.840	3.145	0.305
	4	0.582	1.510	0.178	0.507	2.777	3.053	0.276
	5	0.601	1.536	0.182	0.583	2.902	3.110	0.208
	6 7	0.527	1.534	0.185	0.704	2.950	3.117	0.167
	7	0.648	1.621	0.197	0.558	3.024	3.229	0.205
	8 5	0.582	1.321	0.182	0.412	2.497	2.497	0
	9	0.647	1.403	0.190	0.583	2.823	3.337	0.514
	10 8	0.672	1.457	0.180	0.490	2.799	3.219	0.420
	11 7	0.914	1.389	0.175	0.666	3.144	3.463	0.319
Total Flows		24.58	60.985	7.609	22.582	115.766	122.722	
Avg. Daily		0.599	1.487	0.186	0.551	2.824	2.993	
April Total		17.713	44.697	5.624	16.227	84.270	88.685	
April Avg		0.590	1.489	0.187	0.541	2.809	2.956	
May Total		6.867	16.288	1.985	6.355	31.495	34.037	
May Avg		0.642	1.4807	0.181	0.577	2.863	3.094	

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Comparison of Fresh Water vs Wash Fan Flow from

Date	Fresh Water Mill C	Fresh Water Mill D	Fresh Water Power Plant	Fresh Water Back Wash	Fresh Water Total F.W.	Wash Water Total	Difference W.W. − F.W.
1	0.541	1.403	0.197	0.634	2.775	2.906	0.131
2	0.604	1.482	0.199	0.525	2.810	3.145	0.335
3 s	0.633	1.477	0.209	0.525	2.844	2.785	-0.059
4	0.657	1.820	0.199	0.583	3.259	3.525	0.266
5	0.563	1.496	0.197	0.448	2.704	2.990	0.286
6	0.636	1.586	0.190	0.524	2.936	3.022	0.086
7	0.493	1.447	0.187	0.562	2.689	2.942	0.253
8	0.494	1.505	0.187	0.567	2.753	2.528	-0.225
9	0.481	1.484	0.187	0.491	2.643	2.396	0.247
10 s	0.474	1.343	0.190	0.519	2.526	2.463	-0.063
11	0.620	1.559	0.178	0.649	3.006	3.417	0.411
12	0.714	1.552	0.187	0.385	2.838	3.381	0.543
13	0.471	1.693	0.175	0.539	2.878	3.138	0.260
14	0.578	1.610	0.178	0.736	3.102	3.425	0.323
15	0.632	1.438	0.187	0.535	2.792	3.046	0.254
16	0.620	1.400	0.187	0.601	2.808	3.168	0.360
17 s	0.621	1.411	0.187	0.629	2.848	2.645	-0.203
18	0.578	1.456	0.194	0.481	2.709	2.980	0.271
19	0.571	1.542	0.190	0.573	2.876	2.925	0.049
20	0.551	1.469	0.190	0.469	2.679	2.705	0.026
21	0.638	1.379	0.194	0.454	2.665	2.871	0.206
22	0.626	1.405	0.182	0.546	2.759	3.053	0.294
23	0.632	1.429	0.185	0.503	2.749	2.999	0.250
24 s	0.632	1.452	0.185	0.428	2.697	2.635	-0.062
25	0.623	1.481	0.185	0.482	2.771	3.063	0.292
26	0.530	1.433	0.178	0.510	2.651	2.802	0.151
27	0.549	1.586	0.180	0.575	2.890	2.940	0.050
28	0.525	1.407	0.170	0.730	2.832	[illegible]	[illegible]

27	0.549	1.586	0.180	0.575	2.890	2.946	0.050
28	0.525	1.407	0.170	0730	2.832	2.954	0.122
29	0.688	1.520	0.156	0.474	2.865	2.901	0.035
30	0.738	1.432	0.193	0.550	2913	2.928	0.015
May 1[S]	0.531	1.418	0.170	0.609	2.728	2.691	-0.037
2	0.605	1.560	0.178	0.668	3.011	3.176	0.165
3	0.558	1.539	0.168	0.575	2.840	3.145	0.305
4	0.582	1.510	0.178	0.507	2.777	3.053	0.276
5	0.601	1.536	0.182	0.583	2.902	3.110	0.208
6	0.527	1.534	0.185	0.704	2.950	3.117	0.167
7	0.648	1.621	0.197	0.558	3.024	3.229	0.205
8[S]	0.582	1.321	0.182	0.412	2.497	2.497	0
9	0.647	1.403	0.190	0.583	2.823	3.337	0.514
10	0.672	1.457	0.180	0.490	2.799	3.219	0.420
11	0.914	1.389	0.175	0.666	3.144	3.463	0.319
Total Flows	24.58	60.985	7.609	22.582	115.766	122.722	
Avg. Daily	0.599	1.487	0.186	0.551	2.824	2.993	
April Total	17.713	44.697	5.624	16.227	84.270	88.685	
April Avg	0.590	1.489	0.187	0.541	2.809	2.956	
May Total	6.867	16.288	1.985	6.355	31.495	34.037	
May Avg	0.642	1.4807	0.181	0.577	2.863	3.094	

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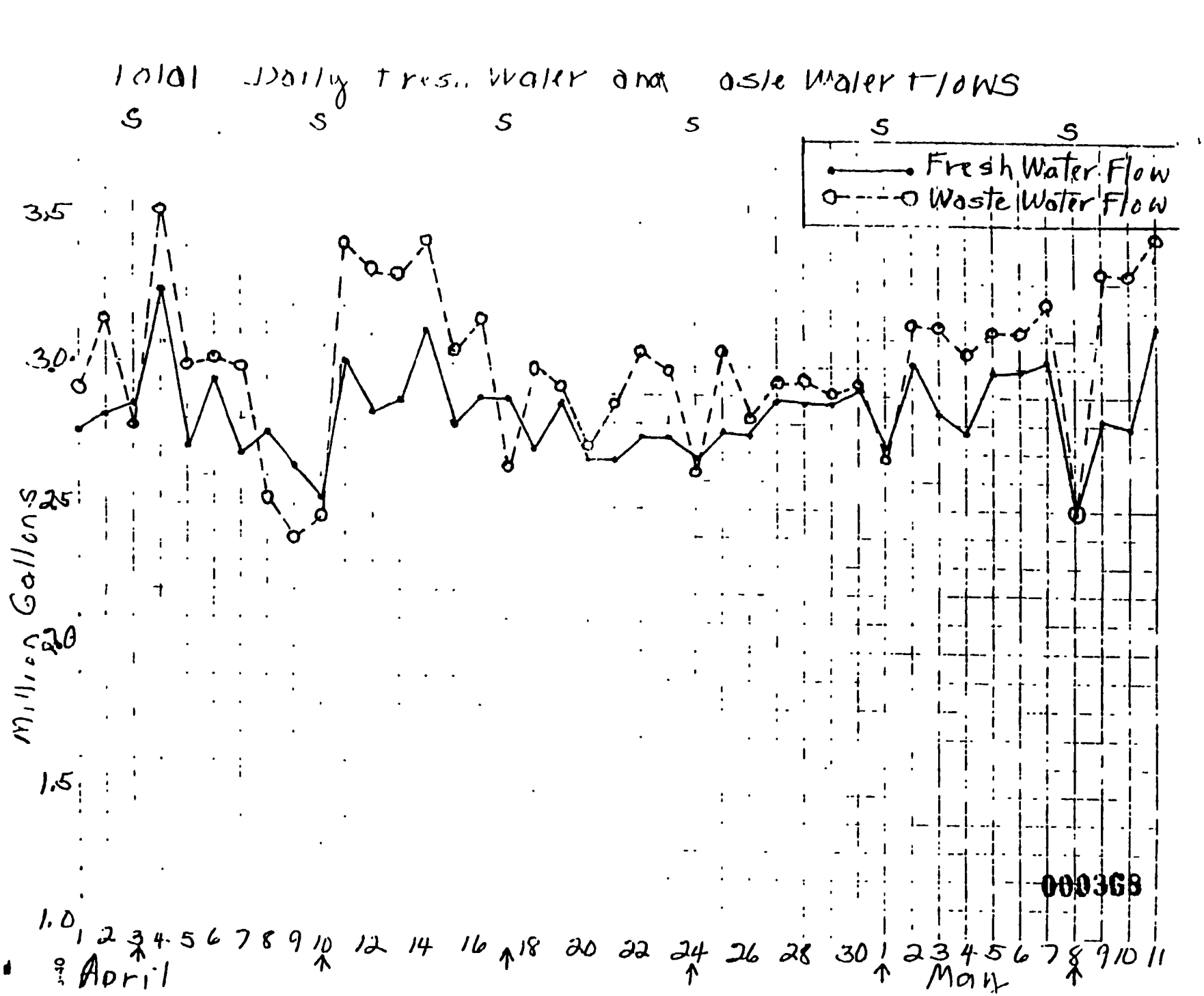
Total Daily Fresh Water and Waste Water Flows
Fresh Water Flow
Waste Water Flow
Million Gallons
3.5
3.0
2.5
2.0
1.5
1.0
1 2 3 4 5 6 7 8 9 10 12 14 16 18 20 22 24 26 28 30 1 2 3 4 5 6 7 8 9 10 11
April
May
000368

COMMISSION

Report of Waste Surveys

at

St. Regis Paper Company
Kalamazoo, Michigan

Survey Periods: (24 hours for each)

July 20, 1955
July 21, 1955
July 22, 1955
July 23, 1955
July 24, 1955
July 25, 1955
July 26, 1955

Summary of Results

te	7-20	7-21	7-22	7-23	7-24	7-25	7-26
ow, million gallons per day	6.908	6.741	6.883	6.676	3.099	7.044	6.375
oduction, tons	196.21	174.53	171.35	173.32		189.66	183.00
Day B.O.D., pounds	18,897	17,709	18,771	18,373	4,730	12,337	14,940
Day B.O.D., pounds per ton paper	96.31	101.46	109.54	106.00		65.04	81.63
tal Suspended Solids, pounds	61,414	41,602	66,589	68,371	5,272	45,234	37,642
tal Suspended Solids, pounds per ton paper	313.00	238.36	388.61	394.47		238.50	205.69
tal Suspended Vol. Solids, pounds	20,740	12,818	22,502	23,384	1,396	9,047	7,443
tal Suspended Vol. Solids, pounds per ton paper	105.70	73.44	131.32	134.92		47.70	40.67
llons Waste per ton paper	35,207	38,624	40,169	38,518		37,140	34,836
opulation Equivalent	11[illegible]5	106,041	112,401	110,017	28,323	73,874	89,461
ettleable Solids Removal, per cent	[illegible].50	73.77	60.86	[illegible]c.23	113.74	71.42	86.38
hite Water Susp. Solids, pounds	0.0	0.0	0.0	0	0.0	0.0	0.0
hite Water Susp. Solids, pounds per ton paper.	0.0	0.0	0.0	0.0		0.0	0.0

Type of Mill Production

De-ink Mill

Mill Water Supply

Portage Creek above Allied Monarch Division augmented with city water. Creek water is filtered before it is used.

Waste Control

De-ink waste flows by gravity to the main pump house. White water is pumped from various collection points to the main pump house and then both de-ink waste

[redacted] white water are pumped to a 100 foot diameter sedimentation basin with a 12 foot sidewater depth. Effluent is discharged to Portage Creek. Sludge is discharged to a large lagoon.

Survey Procedure

Effluent from the sedimentation basin is discharged through a weir box. A recording head meter was installed at the weir to obtain a continuous daily record of the flow. Samples were taken of the flow at fifteen minute intervals by an automatic sampler and composited for each survey period.

An influent sample was obtained by continuously bleeding a small portion of the influent flow from the pump house discharge line through a small box equipped with an automatic sampler.

Survey Data:

Influent

Date	7-20	7-21	7-22	7-23	7-24	7-25	7-26
5-Day B.O.D., p.p.m.	420	590	495	455	205	390	525
Suspended Solids, p.p.m.	1,888	1,944	2,124	2,040	1,048	1,880	2,104
Suspended Vol. Solids, p.p.m.	760	824	780	812	456	772	840
2-hour Settleable Solids, p.p.m.	1,236	1,632	1,584	1,444	742	1,554	1,616
pH	7.2		6.9	7.6	7.8		7.0

Effluent

5-Day B.O.D., p.p.m.	328	315	327	330	183	210	281
Suspended Solids, p.p.m.	1066	740	1160	1228	204	770	708
Suspended Vol. Solids, p.p.m.	360	228	392	420	54	154	140
pH		7.2	7.2	7.3	7.5	7.3	7.2
Production, Tons	196.21	174.53	171.35	173.32		189.66	183.00
Flow, million gallons per day	6.908	6.741	6.883	6.676	3.099	7.044	6.375

Survey Calculations

Pounds of 5-Day B.O.D. to River

							INFLUENT (Raw)
7-20	6.908	x	8.34	x	328 =	18,897	24,200 lbs./day
7-21	6.741	x	8.34	x	315 =	17,709	33,160
7-22	6.883	x	8.34	x	327 =	18,771	28,400
7-23	6.676	x	8.34	x	330 =	18,373	25,310
7-24	3.099	x	8.34	x	183 =	4,730	—
7-25	7.044	x	8.34	x	210 =	12,337	22,800
7-26	6.375	x	8.34	x	281 =	14,940	27,900

Pounds of 5-Day B.O.D. per ton of paper

7-20	18,897	/ 196.21	= 96.31
7-21	17,709	/ 174.53	= 101.46

7-22	18,771 / 171.35 =	109.54
7-23	18,373 / 173.32 =	106.00
7-25	12,337 / 189.66 =	65.04
7-26	14,940 / 183.00 =	81.63

Population Equivalent

7-20	18,897 / 0.167 =	113,155
7-21	17,709 / 0.167 =	106,041
7-22	18,771 / 0.167 =	112,401
7-23	18,373 / 0.167 =	110,017
7-24	4,730 / 0.167 =	28,323
7-25	12,337 / 0.167 =	73,874
7-26	14,940 / 0.167 =	89,461

Total Pounds of Suspended Solids to River

7-20	6.908	x 8.34	x 1066	=	61,414
7-21	6.741	x 8.34	x 740	=	41,602
7-22	6.883	x 8.34	x 1160	=	66,589
7-23	6.676	x 8.34	x 1228	=	68,371
7-24	3.099	x 8.34	x 204	=	5,272
7-25	7.044	x 8.34	x 770	=	45,234
7-26	6.375	x 8.34	x 708	=	37,642

Total Pounds of Suspended Solids per ton paper

7-20	61,414 / 196.21 =	313.00
7-21	41,602 / 174.53 =	238.36
7-22	66,589 / 171.35 =	388.61
7-23	68,371 / 173.32 =	394.47
7-25	45,234 / 189.66 =	238.50
7-26	37,642 / 183.00 =	205.69

Total Pounds of Suspended Volatile Solids to River

7-20	6.908	x 8.34	x 360	=	20,740
7-21	6.741	x 8.34	x 228	=	12,818
7-22	6.883	x 8.34	x 392	=	22,502
7-23	6.676	x 8.34	x 420	=	23,384
7-24	3.099	x 8.34	x 54	=	1,396
7-25	7.044	x 8.34	x 154	=	9,047
7-26	6.375	x 8.34	x 140	=	7,443

Total Pounds of Suspended Volatile Solids per ton of paper

7-20	20,740 / 196.21 =	105.70
7-21	12,818 / 174.53 =	73.44
7-22	22,502 / 171.35 =	131.32
7-23	23,384 / 173.32 =	134.92
7-25	9,047 / 189.66 =	47.70
7-26	7,443 / 183.00 =	40.67

Gallons of Waste per ton of paper

7-20	6,908,000 / 196.21 =	35,207
7-21	6,741,000 / 174.53 =	38,624
7-22	6,883,000 / 171.35 =	40,169

7-23	6,676,000 / 173.32 =	38,518
7-25	7,044,000 / 189.66 =	37,140
7-26	6,375,000 / 183.00 =	34,836

Treatment Plant Efficiency

B.O.D. Removal

7-20	(420 - 328)	x	100	/ 420 =	21.90%
7-21	(590 - 315)	x	100	/ 590 =	46.61%
7-22	(495 - 327)	x	100	/ 495 =	33.93%
7-23	(455 - 330)	x	100	/ 455 =	27.47%
7-24	(205 - 183)	x	100	/ 205 =	10.73%
7-25	(390 - 210)	x	100	/ 390 =	46.15%
7-26	(525 - 281)	x	100	/ 525 =	46.47%

Suspended Solids Removal

7-20	(1888 - 1066)	x	100	/ 1888 =	43.54%
7-21	(1944 - 740)	x	100	/ 1944 =	61.93%
7-22	(2124 - 1160)	x	100	/ 2124 =	45.39%
7-23	(2040 - 1228)	x	100	/ 2040 =	39.80%
7-24	(1048 - 204)	x	100	/ 1048 =	80.53%
7-25	(1880 - 770)	x	100	/ 1880 =	59.04%
7-26	(2104 - 708)	x	100	/ 2104 =	66.35%

Suspended Volatile Solids Removal

7-20	(760 - 360)	x	100	/ 760 =	52.63%
7-21	(824 - 228)	x	100	/ 824 =	72.33%
7-22	(780 - 392)	x	100	/ 780 =	49.74%
7-23	(812 - 420)	x	100	/ 812 =	48.27%
7-24	(456 - 54)	x	100	/ 456 =	88.15%
7-25	(772 - 154)	x	100	/ 772 =	80.05%
7-26	(840 - 140)	x	100	/ 840 =	83.33%

Settleable Solids Removal

7-20	(1888 - 1066)	x	100	/ 1236 =	66.50%
7-21	(1944 - 740)	x	100	/ 1632 =	73.77%
7-22	(2124 - 1160)	x	100	/ 1584 =	60.86%
7-23	(2040 - 1228)	x	100	/ 1444 =	56.23%
7-24	(1048 - 204)	x	100	/ 742 =	113.74%
7-25	(1880 - 770)	x	100	/ 1554 =	71.42%
7-26	(2104 - 708)	x	100	/ 1616 =	86.38%

Remarks

On the 7-20 survey and again during the 7-25 survey the by-pass sewer from the pump house was discharging untreated waste to Portage Creek even though all three pumps were in operation. This condition was again observed on August 24. From the flow charts obtained at the effluent weir it is possible to pick off the flows with one, two, and three pumps in operation. The discharge over the weir with one pump in operation is approximately 2,900 gallons per minute, with two

pumps 4,250 gallons per minute and with three pumps 5,000 gallons per minute.

According to a letter of October 19, 1953, the clarifier is 100 feet in diameter and has a sidewater depth of 12 feet. The three pumps in the main pump house are each of 3,000 gallons per minute capacity.

The following is the theoretical detention time in the clarifier for the average daily flow on each of the survey dates:

7-20	2.44 hours
7-21	2.51 hours
7-22	2.45 hours
7-23	2.53 hours
7-24	5.45 hours
7-25	2.40 hours
7-26	2.65 hours

Survey written and supervised by
Ralph W. Purdy

Field Work by
H. Liechti

Chemical Analyses by
R. Krueger

Report of Survey

ALLIED PAPER CORPORATION - BRYANT MILL
Kalamazoo, Michigan

Survey Periods: - (24 hours each)

#1 - May 27 & 28, 1957, 8 a.m. to 8 a.m.
#2 - May 28 & 29, 1957, 8 a.m. to 8 a.m.

Summary of Results:

	#1		#2	
Flow, million gal. per day	5.36	5.17	5.81	5.68
Production, tons	150.45	—	186.31	—
5 Day B.O.D., lbs.	7,823	7,140	16,959	19,750
5 Day B.O.D., lbs. per ton paper	52	47	91	106
Susp. Solids, lbs.	21,234	17,200	48,455	44,600
Susp. Solids, lbs. per ton paper	141	114	260	239
Susp. Volatile Solids, lbs.	6,034	6,080	17,202	17,050
Susp. Volatile solids, lbs. per ton paper	40	40	92	92
2 Hr. Settleable Solids, % removal	66	—	73	—
Population Equivalent	46,844	42,800	101,551	119,000
pH	7.4	7.9	7.9	8.2

Type of Production: De-ink Mill

Mill Water Supply: Portage Creek water from above Allied Monarch Division augmented with city water.

Waste Treatment: See Report of Survey St. Regis Paper Company, July 20-26, 1955, by R.W. Purdy.

Survey Procedure: Twenty-four hour composite samples and charts of flow were obtained from the Allied Corp. sampling and recording equipment.

Survey Data:

	#1		#2	
Flow, M.G.D.	5.36	5.17	5.81	5.68
Production, tons	150.45	—	186.31	—
Influent:				
5 Day B.O.D., ppm	370	445	480	457
Susp. Solids, ppm	1720	1643	2300	2180
Susp. Volatile Solids, ppm	820	803	1000	960
2 Hr. Settleable Solids	1440	—	1780	—
pH	7.3	8.1	7.1	7.4
Effluent:				
5 Day B.O.D., ppm	175	165	350	416
Suspended Solids, ppm	475	401	1000	940
Suspended Volatile Solids, ppm	135	141	355	360
~~2 Hr. Settleable Solids, ppm~~	~~123~~	—	~~500~~	—
pH	7.4	7.9	7.9	8.2

Net BOD Removal 57.7%

Net BOD Removal 77.1

Calculations:

Pounds of 5 day B.O.D. to River
#1 - 8.34 x 5.36 x 175 = 7,823 lbs.
#2 - 8.34 x 5.81 x 350 = 16,959 lbs.

Pounds of 5 Day B.O.D. per ton of paper
#1 - 7,823/150.45 = 52 lbs.
#2 - 16,959/186.31 = 91 lbs.

Population equivalent
#1 - 7,823/.167 = 46,844 persons
#2 - 16,959/.167 = 101,551 persons

% Removal 5 day B.O.D.
#1 - 195/370 = 53 percent
#2 - 130/480 = 27 percent

Pounds of suspended solids to River
#1 - 8.34 x 5.36 x 475 = 21,234 lbs.
#2 - 8.34 x 5.81 x 1000 = 48,455 lbs.

Pounds of Susp. Solids per ton of paper
#1 - 21,234/150.45 = 141 lbs.
#2 - 48,455/186.31 = 260 lbs.

Percent removal Suspended Solids
#1 - 1245/1720 = 72 percent
#2 - 1300/2300 = 57 percent

Pounds of Susp. Volatile Solids to River
#1 - 8.34 x 5.36 x 135 = 6,035 lbs.
#2 - 8.34 x 5.81 x 355 = 17,202 lbs.

Pounds of Susp. Volatile Solids per ton of paper
#1 - 6,035/150.45 = 40 lbs.
#2 - 17,202/186.31 = 92 lbs.

Percent Removal of Susp. Volatile Solids
#1 - 685/820 = 84 percent
#2 - 645/1000 = 65 percent

Percent Removal of 2 Hr. Settleable Solids
#1 - 1245/1440 = 86 percent
#2 - 1300/1780 = 73 percent

Remarks: Practically all of the de-ink waste was going to the treatment plant at the time of the survey.

Survey and report by: E. Shannon
Chemical Analysis by: R. Krueger
Supervised by: R. Purdy

PAPER CORPORATION
KALAMAZOO, MICHIGAN

June 5, 1957

To: W. A. Kirkpatrick

From: W. E. Kendrick

SUBJECT: Results of tests on King and Bryant waste treatment tanks during check by W.R.C. and a comparison of our method of suspended solids determination with the W.R.C. method.

Results: With regards to suspended solids, both mills seem to be within the allowable limits, but above on the BOD limits. The one low BOD recorded at Bryant can probably be attributed to the fact that it was a Monday test and the pulp mill was down at least a third of the day.

As can be seen in the table, the gooch crucible and fiberglass filter discs method (used by the W.R.C) gives higher results than our own method of using filter paper and buchner funnel.

Procedure: During the two day period all samples were picked up by me and then picked up from me by the state man at the end of thetwo days.

The gooch crucible method was run by Tony Palladino while I was on our regular tests. The analytical balance was used for weighing the gooch samples. A 25 ml. sample was used in the gooch method and a 500 ml. sample in our regular method.

Data: It can be expected that the W.R.C results will be more closely in line with the gooch crucible results.

9-7-77

MICHIGAN DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION BUREAU
POINT SOURCE STUDIES SECTION

Report of an
Industrial Wastewater Survey
Conducted at
ALLIED PAPER, INC.
All Outfalls No. 390222
Kalamazoo County
Kalamazoo, Michigan
July 18-19, 1977

Survey Summary

Wastewater monitoring was performed during one twenty-four hour survey period starting Monday, July 18, 1977.

The results of this survey did not meet the final limitations in the facility's National Pollutant Discharge Elimination System (NPDES) Permit, No. MI0000779. The BOD_5 loading from outfall 390006 (002) was from 11 percent to 23 percent over limitations specified in the permit (Table 3).

Comparison of the results from the composite sample split between the company and the Environmental Protection Bureau (EPB) Laboratory show EPB concentrations higher for all parameters measured, except for settleable solids on outfall 002 (Table 4).

Comparison of the results of this survey with the survey performed on August 16-18, 1976 show that flow has decreased and TOC has increased slightly. (Table 5)

Underdrainage of the sludge disposal area, which is not covered in the permit, continues to discharge into Portage Creek (Table 1).

Survey Comments

Samples were collected from the Bryant clarifier discharge to the City of Kalamazoo sanitary sewer system (Table 1).

Purpose of Survey

The purpose of the survey was to determine the quality and quantity of wastewater being discharged by Allied Paper, Inc., to Portage Creek and to check for compliance with the NPDES Permit No. MI0000779.

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Plant Processes

Allied Paper, Inc. operates two mills in Kalamazoo. The Monarch Mill utilizes two Fourdrinier paper machines to produce bible paper and carbon tissue for "one time" carbon paper. The Bryant Mill also produces bible paper and other specialty papers using five Fourdrinier paper machines. All the machines were in operation during the survey (Figure 1).

Under normal production 275 tons of paper products can be produced a day. Pulp utilized at both mills has previously been treated in the Kraft process at other locations.

Both mills together employ approximately 475 people. The mills operate on a 5 or 6 day a week schedule depending on demand. The week previous to the survey the mills operated for 6 days. Production when the mills are operating is 24 hours a day.

Water, Wastewater & Treatment

Process water used at both the Monarch and Bryant Mills is obtained from Portage Creek. Water for the Monarch Mill is obtained upstream from the Monarch Dam and water for the Bryant Mill is obtained across from Cork Street. Water for both mills is passed through sand filters prior to its use.

Wastewater generated at both mills is treated as depicted in Figure 2. Wastewater received at the 110-foot circular Bryant clarifier originates from the excess white water and from the zeolite and lime soda ash softening process used for boiler feed water. Treatment provided at the Bryant clarifier consists of settling with the effluent going to either the City of Kalamazoo treatment system or the Monarch clarifier. The split of the flow depends on how much additional loading can be placed on the Monarch clarifier without exceeding its discharge limitations into Portage Creek.

Wastewater loadings on the 90-foot circular Monarch clarifier, in addition to the flows from the Bryant clarifier, are excess white water and zeolite waste from the boiler feed water system. Alum and a coagulation agent are added in the Monarch clarifier to increase settling characteristics. The effluent from the clarifier discharges to Portage Creek through outfall 390006 (002).

Sludge from both clarifiers is disposed of on plant property across Portage Creek from the Monarch clarifier. The sand filter backwash from the Bryant Mill is discharged directly to Portage Creek. This discharge is not covered in the NPDES Permit.

Potable water for both mills is obtained from the City of Kalamazoo. Domestic wastewater is discharged into the city's treatment system.

Underdrainage from the sludge disposal area was observed being discharged into Portage Creek upstream from the Bryant Mill intake. Flow during the survey was monitored and results of samples collected are included in Table 1.

Survey Procedures

The flows and composite samples were obtained as follows:

Outfall	Flow Measurement	Sampling
390006 (002)	49" full channel weir - company installed. Stevens flow recorder.	Automatic air activated.
Sludge Leachate	60° v-notch weir - staff installed. Stevens flow recorder.	Automatic scoop type.
Bryant Mill discharge to City	46-3/4" rectangular weir w/end contractions - company installed. Stevens Flow Recorder.	Automatic air activated.

The water level recorders at 002, sludge leachate and at the Bryant Mill discharge to the city sewer provided a continuous account of the liquid level or head above the crest of each weir on a head versus time graph for the duration of the survey period. The total volume of wastewater over each weir during the survey period was computed from the graph.

The samplers at the sludge leachate obtained samples proportional to the instantaneous flow over the weir at a timed interval.

Individual grab samples were collected from each of the three outfalls for selected physical and chemical analyses.

The following formula was used to compute the kilograms per day of various wastewater constituents discharged: kg/day = flow (M^3/d) x conc. (mg/l) x 0.001.

The composite and grab samples were analyzed by the Environmental Protection Bureau Laboratories located in Lansing.

All samples were preserved according to Table 6. The results of the physical and chemical analyses are presented in Tables 1 & 2.

Allied Paper, Inc.

Table 1 Analyses of composite samples.

Outfalls	390006 (002)		Sludge Leachate		Bryant Mill Clarifier to City Sewer	
Survey Period From	7-18-77 - 1150		7-18-77 - 1225		7-18-77 - 1240	
To	7-19-77 - 1150		7-19-77 - 1225		7-19-77 - 1240	
Computed flow rate* (M^3/day)	11,500		74		8,800	
Highest flow rate (M^3/day)	20,700 @ 2315		130 @ 2330		16,400 @ 2258	
Lowest flow rate (M^3/day)	7,300 @ 0608		44 @ 1612		450 @ 0344	
	mg/l	kg/day	mg/l	kg/day	mg/l	kg/day
5-day BOD	19	220	< 5	--	100	880
COD	22	250	13	0.96	52	460
T.O.C.	12	140	--	--	--	--
Color (C.U.)	7	--	11	--	21	--
Turbidity (F.T.U.)	17	--	17	--	290	--
Suspended solids	7	80	32	2.4	69	610
Dissolved solids	470	5,400	420	31	580	5,100
Settleable solids	--	--	29	2.1	26	230
Phenols	< 0.00001	--	0.00003	0.000002	0.00004	0.0004
	ug/l		ug/l		ug/l	
PCB 1242	< 0.1	--	< 0.1	--	< 0.1	--
PCB 1254	< 0.1	--	< 0.1	--	< 0.1	--
PCB 1260	< 0.1	--	< 0.1	--	< 0.1	--

* Flow rates used in the computation of kg/day.
To obtain MGD multiply M^3/day by 0.000264
To obtain lbs/day multiply kg/day by 2.2046

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Allied Paper, Inc.

Table 2 Analyses of grab samples.

Date	Time	Temp.[1] °C	pH[1] S.U.	Oil & Grease mg/l	BOD mg/l	Suspended solids mg/l	Settleable solids mg/l	D.O. mg/l
390006								
7-18-77	2145	32	6.6	3	13	15	--	5.4
7-19-77	0710	31	6.9	2.5	15	4	--	5.6
Sludge Leachate								
7-18-77	2200	17	7.3	--	< 5	12	--	--
7-19-77	0750	16	7.4	--	< 5	7	--	--
Bryant Discharge to City								
7-18-77	2230	33	6.7	--	120	78	25	--
7-19-77	0800	35.5	6.8	--	140	74	5	--

1 - Values determined in the field at time of sampling.

Table 3 Comparison of survey results with the facility's NPDES Permit and monthly operating report.

Parameter (Unit)	NPDES Permit Final Limitations		July Monthly Operating Report				Survey Results[1]
	Daily Average	Daily Maximum	Monthly Average	Monthly Maximum	7-18-77	7-19-77	min. max.
390006 (002)							
Flow (M^3/day)	--	--	9,710	17,195	10,708	8,941	11,500* (10,400, 12,300)
BOD_5 (kg/day)	--	177	138	334	64	79	220 (200, 230)
(mg/l)	--	--	--	--	--	--	19 (13, 15)
Total susp. sol. (kg/day)	--	230	127	380	21	170	80
(mg/l)	--	--	--	--	--	--	7 (15, 4)
Settleable solids (kg/day)	--	--	--	--	--	--	--
(mg/l)	--	--	0.04	0.05	0.05	0.05	--
Oil & Grease (mg/l)	--	--	--	--	--	--	(3, 2.5)
pH (S.U.)	not <6.5 nor >9.5		--	7.4 min. 6.5	6.9	6.8	(6.6, 6.9)

* Company reports flows for the same time span as 10,400 M^3/day.

1 - Survey results are for the composite sample. Grab sample ranges are shown in parantheses ( ).
To obtain MGD multiply M^3/day by 0.000264 To obtain lbs/day multiply kg/day by 2.2046

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Table 4 Comparison of the laboratory analytical results obtained by the Allied Paper, Inc. and the Environmental Protection Bureau from the split composite samples.

Outfall	390006 (002)		Sludge		Bryant Mill Discharge to City	
	E.P.B. mg/l	Allied Paper mg/l	E.P.B. mg/l	Allied Paper mg/l	E.P.B. mg/l	Allied Paper mg/l
5-day BOD	19	7.6	< 5	--	100	62
Suspended solids	7	2.0	32	18.0	69	42
Settleable solids	--	0 *	29	0.05 *	26	0.05 *

* Values reported as ml/l.

Table 5 Comparison of the previous survey results with the results obtained in this survey at Allied Paper, Inc.

Outfall	390006	390006	390006
Survey Date From	8-16-76 - 1300	8-17-76 - 1335	7-18-77 - 1150
To	8-17-76 - 1330	8-18-76 - 1335	7-19-77 - 1150
Flow Rate (M^3/day)	13,800	16,200	11,500

	mg/l	kg/day	mg/l	kg/day	mg/l	kg/day
5-day BOD	14	200	17	270	19	220
COD	20	270	21	340	22	250
T.O.C.	8.7	120	9.7	160	12	140
Suspended solids	6	90	2	32	7	80
Dissolved solids	468	6,450	448	7,260	470	5,400
Phenols	0.68	8.2	0.45	7.3	< 0.00001	--

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Table 6 Sample Preservation

Parameter	Preservative
COD & TOC	10 drops H_2SO_4/250 ml (to pH <2).
D.O.	Fixed on site.
Oil & Grease	1 ml 1:1 H_2SO_4/250 ml (to pH <4).
Phenolics	2 ml 10% $CuSO_4$ + H_3PO_4 (to pH 4)/250 ml.

All samples cooled to 4°C upon collection.

Survey by: Gary Boersen, Sanitary Engineer
Larry Elmleaf, Water Quality Investigator
Richard Irvin, General Foreman

Contact with Management: U.G. Stoeffler

Hydrocarbon Analyses by: Tom Wilcox, Chemist

Physical & Chemical Analyses by: Ray Wimmer, Chemist

Report by: Gary Boersen
Larry Elmleaf
Point Source Studies Section
Environmental Services Division
Environmental Protection Bureau
Michigan Department of Natural Resources

Distribution "A"
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PROCESS WATER SYSTEMS

Presented to Allied Supervisory Meeting - August 16, 1983

INTRODUCTION:

The paper industry by the very nature of its process of manufacture uses a lot of water. When you use great quantities of water you also discharge large amounts of water. In the earlier days the paper industry, and other industries also, did not show enough concern in the treatment of its discharges. However, for more than 30 years Allied Paper has been concerned with its waste flows having installed its first clarifier at Monarch in 1951. During the ensuing years the Research and Development Department has been responsible for the operation of waste treatment facilities and has carried out all the research and development on waste treatment projects. For over 20 years I have been heavily involved with Allied's waste water treatment systems. Over the last few years we have also become involved with our landfill operation and licensing. In 1979 we presented to this group a survey of our waste treatment operations at the that time. Today I will quickly review that data and bring you up to date on the total picture of our process water system. A system that takes water from Portage Creek through the Manufacturing process, through the treatment process and back to Portage Creek. We have always enjoyed top management support in projects to improve our waste water facilities and we thank Ernie Klimczak and Ton Flanagan for their leadership. We especially appreciate the help from Dave Kirk, Dick Eaton, Martin Smith and Andy Watson. The men who really do the hands on work are John Roth, full time operator and tester in the system and John Stiegemeyer, who is back-up operator and subs for John Roth on some weekends and Holidays. Either of these men are on duty 365 days of the year. A State of Michigan law requires that every industrial waste water treatment facility have at least one certified operator. Allied has five such operators in the B-2A classification (chemical coagulation and clarification) Roth, Stiegemeyer, Smith, Hagard and myself. Certification is given upon passing

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a written examination and has to be reviewed every five years.

DEFINITIONS

Before we get into a description of our waste treatment facilities, it is advisable to define some terms that are commonly associated with this field and are necessary to understand the functions we will describe.

PS 92-500

PS 92-500-Federal Water Pollution Control Act Amendments of 1972 (October) are the most complicated piece of legislation ever passed. There are diverse sections of this law covering many areas of pollution control. This law has been amended as per recommendations from the Water Quality Commission chaired by former Vice President Rockefeller.

N.P.D.E.S. PERMIT

National Pollutant Discharge Elimination System. Anyone discharging into a navigable stream or its tributary is required to have a N.P.D.E.S. permit for each discharge. The U. S. Environmental Protection Agency has granted Michigan's Department of Natural Resources (DNR) the authority to issue these N.P.D.E.S. permits in Michigan.

B.O.D.

Biochemical Oxygen Demand. A measure of the amount of oxygen consumed in Biological Processes that break down organic matter in water. A measure of the organic pollutant load. A hunger quantity.

D.O.

Dissolved oxygen freely available in water and necessary for aquatic life and the oxidation of organic materials.

P.P.M.

Parts per million or milligrams per liter - Units used to express the strength of B.O.D., D.O. or other pollutants. To understand how minute is a ppm, a Layman's description is a jigger of Vermouth in a railroad tank car of gin. Strengths of heavy metals are usually expressed as P.P.B. - parts per billion (1.5 inches as compared with the circumference of the earth). Part per trillion - 1 second/320 centuries or 1¢/$10,000,000,000 (for government people) 1 with 12 years.

INFLUENT-EFFLUENT

Substance or flow into and from a treatment plant.

T.O.C.

Total organic carbon a parameter that also expresses organic pollutant load.

SLUDGE

The solids removed from waste water by sedimentation - clarifier underflow, usually at 5 - 8% solids.

SUSPENDED SOLIDS

The small particles of solid pollutants (in our case cellulosic materials and pigments) in waste water that resist sedimentation by conventional means.

TURBIDITY

Expressed as J.T.U. (Jackson Turbidity Units) is materials suspended in water to disturb the penetration of light opposite of clarity.

DROUGHT FLOW

Hydrologists estimate of the low flow that may occur for seven days every 10 years. All D.O. water quantity standards are based on the brought flow.

C.F.S.

Cubic feet per second measurement of low in a stream. Portage Creek has a calculated drought flow of 29.3 C.F.S.

TOXIC POLLUTANT

A pollutant or combination of pollutants which either directly or indirectly cause death, disease, cancer, genetic mutations, physiological malfunctions and physical deformities.

M.G.D.

Million Gallons per day.

HISTORY

In the late forties, the paper industry banded together form the National Council for Stream Improvement for the Pulp and Paper Industry. (Later expanded to Air & Stream Improvement). The only research organization dealing with pollution, totally supported by an industry. A NCASI regional office and laboratory is maintained at W.M.U. Early pilot work by the NCASI at Plainwell Paper Company provided the design citeria and performance data for primary clarification of paper mill waste.

You must remember that during this time Allied Comprised the Monarch and King Mills and each had large deinking operations, which contributed greatly to both the BOD and suspended solids content of the clarifier effluent.

In 1951, Allied Paper (as were all the paper mills in the Kalamazoo Valley) was placed under orders of determination by the Michigan Department of Natural Resources for suspended solids limitation in its effluent. To meet these limitations, Allied built and put into service Dorr Clarifiers for primary treatment at

Monarch in 1951, capacity 650,000 gals,at King Mill in 1953, capacity 850,000 gals. (St. Regis which owned Bryant Mill at that time, installed the Bryant Clarifier in 1952).

I must point out that Allied and the other mills in the valley operated their clarifiers before the then "debt free" City of Kalamazoo built primary treatment facilities for municipal wastes.

In 1961 the DNR established B.O.D. limitations for Allied Paper Mills of 48,000/day. Subsequent BOD effluent limitations for Allied Paper - Kalamazoo operation - ranged from 14,490 #/set June 1, 1966 to 1205 #/day in December, 1974. The present effluent limitations as specified in our N.P.F.R.S permit, are 385#BOD/Day maximum, from May 15th to October 15th and for the period October 15th to May 15th the B.O.D. and suspended solids limitations are slightly higher because of lower temperatures in the creek. These limitations are based on the strem assimilation capacity of Portage Creek at the 10 year - 7 day low drought flow of 29.3 c.f.s. to insure water quality of 4.0 ppm of D.O.

To emphasize the magnitude of the job Allied Paper has done in pollution abatement over the years let me throw some more numbers at you. Suspended solids in #/day have been reduced from 156,500 # in 1961 to 40,000# in 1965, to 3,900 # in 1968 to 164# for the last 7 months for an average overall reduction of 99.9%. B.O.D is #/day has beem reduced from 48,700# in 1961 to 27,000# in 1965 to 10,250 in 1968 to 440# in the last 7 months for an overall reduction of 99.1%. Waste water flow in M.G.D. has been reduced from 13.2 in 1961 to 9.93 in 1965 to 8.19 in 1968 to 2.883 for the first seven months of 1983. These reductions were accomplished by various means.Of major significance was the shutting down our three deinking operations. A primary reason for eliminating these operations was the cost of additional waste treatment facilities. The high B.O.D strength effluent from Mill A (Bryant's deinking Mill) was clarified in the Bryant Clarifier and discharged to a 36" city

sewer line. At that time the charge was $317 per million gallons - today's cost is $719 per million gallons. Internal mill changes were also made to conserve and recycle fresh water and white water. In those days all fresh water from Portage Creek was filtered through eight Hungerford and Terry gravity down sand filters. The backwash water from the filters was pumped into the waste water stream.

PRESENT SYSTEM

Before we show some slides of the present process water and waste water systems, we will briefly tell you how the waste water system evolved. After we were appraised in 1975 by the Michigan Department of Natural Resources (M.D.N.R.) of the stringent B.O.D. and suspended solids limitations to take effect July 1, 1977, we conducted several treatment research projects. The results of these studies clearly indicated the need of a new method to determine the B.O.D. strength of our clarifier effluent flow going to Portage Creek. The B.O.D. procedure takes 5 days of incubation and therefore, was unacceptable as a method of controlling our discharge within the projected constraints of B.O.D. limitations.

Fortunately, about this time we heard about new in-line total organic carbon analyses or Monitors. Further investigation indicated that one manufacturer - Dohrmann - of such TOC Analysers had the capability of interfacing their instrument to a minicomputer. Research at this time also showed that our waste water effluent had a nearly one to one ratio of B.O.D. to T.O.C. So now we had a system that could provide rapid monitoring of the effluent stream strength and the computer control to meet our discharge limitation of 385# B.O.D. 1 day maximum. This system was subsequently approved by the M.D.N.R. with the condition that we continue to make daily BOD determinations on composited samples. The system was completed and on stream by the July 1, 1977 deadline at a total cost os $230,000.

SLIDES (Photography credits to Martin Smith)

1. Portage Creek flows into an impoumment called Monarch Mill Pond.

2. Cork Street pump hourse and process water inlet. The tnak truck is used to pump lime slurry on sludge drying lagoons for pH and oder control.

3. Vegetation covering the former Bryant Mill Pond (another P.C. impoundment). In the background is the grey tank, a waste water surge tank.

4. Alcott street dam - because of its construction it serves as a flood control device during high creek flow due to heavy rains.

5. Portage Creek looking North from Bryant Street, showing the Garage or Mill D pump house.

6. Portage Creek looking South from Reed Street. The small brick building on the right is a U.S.G.S. Gaging Station. Here the temperature and flow of Portage Creek is measured at regular intergals, recorded on tape and a digital signal is available for future use. Maintained by U. S. G. S out of Okemos and costs are split between Allied and U.S.G.S. (gaging stations 1065).

7. Grey tank

8. Bryant Clarifier - all waste water is pumped to the clarifier. Effluent flow on North side goes to City and on South side to Monarch clarifier.

9. Monarch Calrifier - waste water effluent from Bryant through 16" polyethylene pipe for 1100 feet and 22 ft. drop.

10. Stainless steel stilling well in Monarch Calrifier pump house decreases flow velocity before Parshall flume.

11. Parshall flume - a flow measuring device - head end.

12. Parshall flume - discharge end - into Monarch clarifier wet well before pumping into clarifier center ring.

13. Monarch clarifier discharge weir to Portage Creek. - measuring device a capacitance probe.

14. Computerized Control System Schematic - signals come in and out of control building.

15. Monarch Clarifier Pumphouse and corner of computer control building.

16. Inside building - samples compositing daily samples.

17. Turbidity Meter (Hach Surface Scatter Model 3) and a L & N pH meter - send continuous signals to computer for storage and averaging.

18. Work bench area - all testing done here incubator lower left and refrigerator lower right.

19. Computer - I.O. & C.P.U. cabinets - Computer Digital PDP 1104

20. Digital peripherals - C.R.T. and Decwriter

21. Again - programmed to put out hourly, daily, weekly, monthly reports.

22. Dohrmann D 60 T.O.C. Analyser, briefly the operation is to burn 5cc sample at 1900° F with excess O_2, detect resulting CO_2 combustion product and convert to a T.O.C. reading. It is supplied with Compressed Air O_2, Acid, water and sample and 110 A.C.

23. T.O.C. Analyser chart showing T.O.C. readings for 2 samples. The T.O.C of the effluent stream is determined on 4 consecutive samples - The computer reads the 4 results, throws the first one away and averages the other three and uses this value for the next 30 minutes of control.

24. T.O.C. Analyser sample injection mechanism to the combustion chamber. The key part of this T.O.C. computer system is the control valve, that is modulated to allow the right amount of influent to the Monarch clarifier to satisfy the discharge limitation of B.O.D. - The suspended solids limitation is never a problem if the B.O.D. limitation is satisfied. The bottom line is that the system works and we have been in compliance since the July 1, 1977 date.

SLUDGE DISPOSAL AND SOLID WASTE

The clarifiers' underflows - called sludge by some - composed chiefly of fiber and filler . (Ash content of about 60%), consistency of 5 - 9 % is pumped by Moyno pumps to drying lagoons - about 22 acres. These lagoons are regularly treated with lime slurry from April to October for oder control. Decanting water from these lagoons is pumped as needed, to the Bryant Clarifier. When sufficiently dry, the sludge is dug out, trucked to other areas, and ocvered with soil. All this done on Allied property.

Solid waste from the mills, wood, paper, drums etc., is deposited on a 7.8 acre

licensed sanitary landfill and covered each day. This landfill now fulfills all the requirements for landfills as specified in Act 641, Solid Waste Management, finally becoming law December 21, 1981. This landfill is regularly inspected by the Kalamazoo County Health Department which is the delegated authority in this area. Some of the new requirements for landfills under this Act 641 was to do soil boring and testing to conduct a hydrogeological survey and to sample and test well samples quarterly for groundwater quality. There are four monitoring wells. All this work has been done by a local engineering firm. A recent analysis on two different samples of our sludge indicates it qualifies as a covering material for our landfill. (reports of hydro study and sludge). The present license runs through July, 1984.

COSTS

In 1979 we reported the annual operating and maintenance costs for the waste treatment system were $612,000. For 1983 we estimate these costs will exceed $850,000. The City of Kalamazoo sewer costs have more than doubled from $317/million gallons to $719 for 1983. The City costs for the first six months of 1983 were $221,000.

REGULATIONS

As a N.P.D.E.S. permit holder we must file a Monthly Operating Report by the 10th of each month listing all the daily test results as specified. The M.D.N.R. makes an annual non-scheduled survey of our discharge and the system. We maintain a very comprehensive Quality Assurance Program (Show Copy) as outlined in U.S.E.P.A. guidelines. At any time a special compliance unit of E.P.A. could visit us and inspect this Q. A. Program. We feel we have a very good program and John Roth is to commended for setting it up and maintaining it.

There are several other regulatory laws governing different facets of operation - such as T.O.S.C.A., R.C.R.A, Act 64 etc. but are not applicable to this report. We regularly fill out survey forms sent by various State and Federal agencies compliance is mandate by statue.

As per U.S.E.P.A. and Michigan DNR requirement, Allied has under Al Vickery's direction and plan, prepared Pollution Incidence Prevention Plans (PIPP). These are filed with both EPA and DNR and have to be at hand for inspection by EPA people when they pay us those surprise vists.

The recent Michigan D.N.R. reorganization has concentrated all the Environmental Protection Bureau people for this district in the Plainwell office including Hazardous Waste, Community Assistance, Air Quality, Ground-Water Quality and Surface Water Quality. How long this re-alignment structure functions will depend on the wishes of the newly appointed D.N.R. Director. There have been some rumbling about putting all waste treatment facilities under the jurisdiction of the State Department of Public Health or a new agency.

PROCESS WATER

Historically the Bryant Division has used Portage Creek as the principal source of process water. The water from the creek enters the system at the Cork Street pump house and is pumped through a 24" pipe for some 3500 feet to the filter plant. In the last few years the old Hunderford and Terry gravity down flow sand filters have become inadequate to provide the quality of water required to produce quality light weight papers. This was especially evident when a program of recycling some our clarified effluent to the process water pump house was started in November, 1981.

Before we proceed further with the process water system let's look at some sketches of the total process water systems that Any Watson has prepared for this presentation.

This sketch sows the scaled layout of the various units of the two system in relation to the Manufacturing mills cross streets and Portage Creek.

This next sketch shows the same units of each system with the flow lines of the various waters.

For the waste water system we have flows from Mill C and D to the Mill D or Garage pump house and a pair of pipes from here to the Grey tank. There are also pressure lines from Mill C & D directly to the Grey Tank. Waste water is pumped some 5000 feet through a 20" pipeline to the Bryant Clarifier. There some effluent flows to the City sewer trunk line, some flows to Monarch Clarifier, sludge is pumped to lagoons and decanting water is pumped to the Clarifier. At the Monarch Clarifier some effluent flows to Portage Creek, some is pumped to process water pump house and sludge to lagoons.

The process water system shows the Cork street pump house, line to filter plant, then to the power house on the silver tank and from this storage tank to Mills C & D.

If we overlay this other transparency we see the year to date average daily flows at the various points.

This next chart shows the daily average flows of process water and waste water flows at going to the various point in the systems for the months of January through July, 1983. The process water usage is near the 10,000 gallon per ton of paper produced level.

Recently three Parkson Dynasand filters have been installed and put on line in the filter plant. These are upflowing sand filters, that backwash the sand. The water enters at the bottom of the filter and flows upward through some 40" of sand overflowing to the clearwell. The washed sand falls to the top of the bed and the backwash water flows to the sewer. The sand is continuously moving downward and the water upward. It is calculated that this backwash system will reduce the volume of backwash water some 300,000 gallons per day from that of the old sand filter backwash volume.

Previously when using the old sand filters only a chlorine water injection before the filters was used to oxidize the iron, silt and bacteria in the incoming water. It was soon evident that using the Dynasand method of filtering this single chemical treatment was not sufficient to produce a satisfactory quality water for the manufacturing process even with only a small amount of recycled water.

With the addition of other chemicals and/or modifications of injections points in the system we have produced a water of acceptable quality with an influent of 100% Portage Creek water. At the present time we are able to produce the same water quality with a 10% substitution of recycled clarifier effluent. We anticipate that within a reasonable time we will be able to produce a quality process water using a higher percentage of recycled water in a totally automated system, with permanent chemical additions systems. The responsibility for achieving this objective presently lies with a committee of staff people.

In addition to this immediate objective our longer range objectives are to decrease they use of City water in the manufacturing process by maintaining a high quality process water, increase the use of recycled water to the system, and reduce the strength and volume of waste water from the mills. These objectives will require the combined efforts of Manufacturing, Engineering, Maintenance and

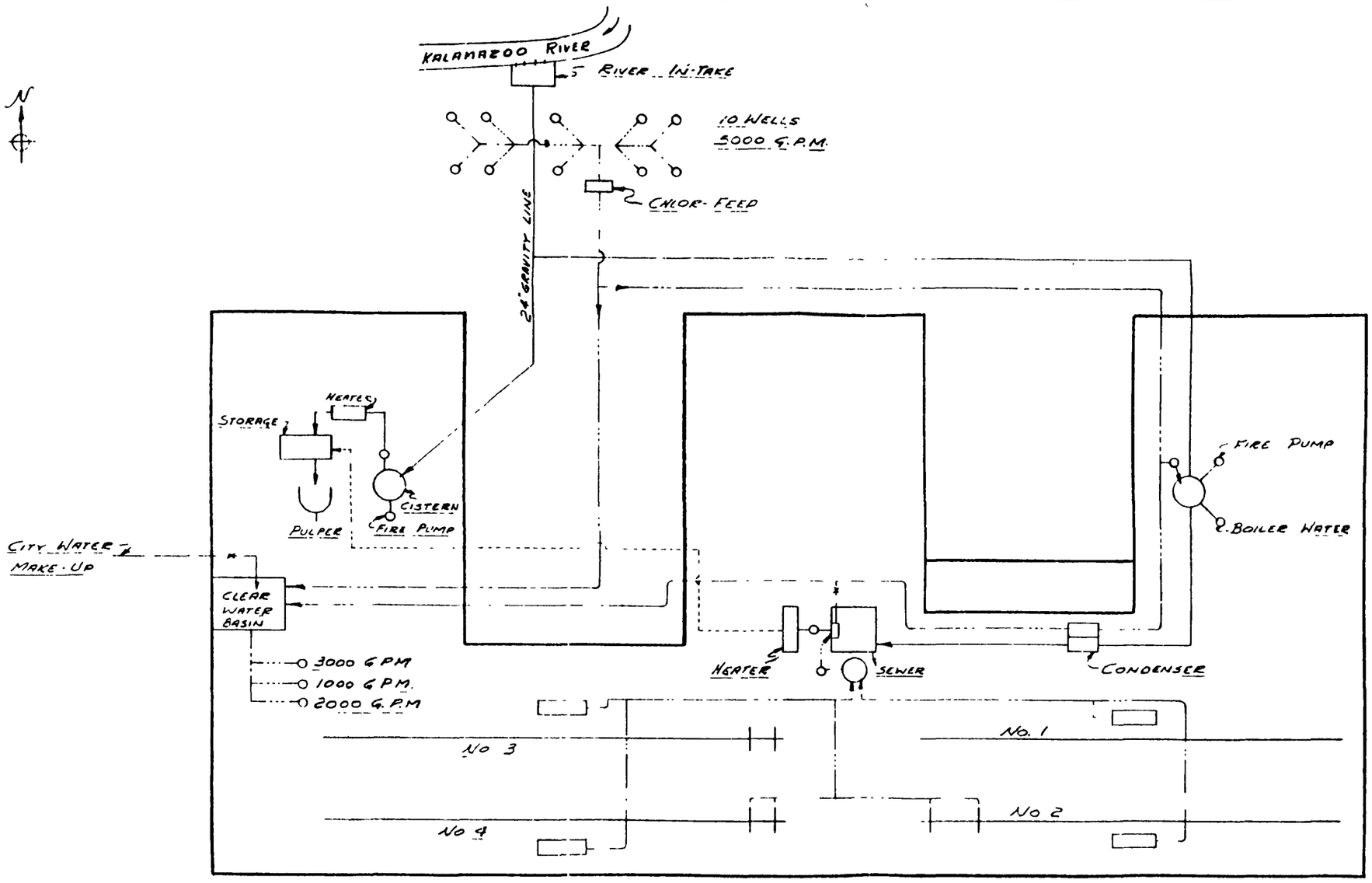
R & D personnel, in other words, everyone.

Ex Hibits

SLIDES FOR SUPERVISORS MEETING

August 16, 1983

1. Monarch Mill Pond
2. Cork Street Pump House
3. Bryant Mill Pond Bottom
4. Alcott Street Dam
5. Mill D Pump Sump
6. Portage Creek - Reed Street & Gaging Station
7. Grey Tank
8. Bryant Clarifier
9. Monarch Clarifier
10. Stilling Well - Monarch Clarifier
11. Parshall Flume (Head End)
12. Parshall Flume (Discharge)
13. Monarch Clarifier Weir, Sample pipe & Control Building
14. Computerized Control System Schematic
15. Monarch Clarifier Pump House, Control Building
16. Samples
17. Turbidity Meter, pH and Flowmeter
18. Work Bench Area
19. I. O. and C. P. U. Cabinets
20. C.R.J. and Decwriter
21. D.R.J. and Decwriter
22. T.O.C. Analyser
23. T.O.C. Chart
24. Furnace for Sample
25. Injector on Furnace



LEGEND

——— RIVER WATER

—·—·— FRESH WATER

------ RIVER & FRESH WATER

REFERENCES	DWG. No.
ALLIED PAPER CORP.	
MILL	KALAMAZOO
	KING
TITLE	KING MILL WATER SYSTEM

REVISIONS	

SCALE NONE	MO.	DAY	YR.	DWG. No.
DRAWN ROUSCH	1	15	59	
TRACED				EK-750
CHECKED				
CHECKED				
APPROVED				

SA 47661

IN RE: ENVIRONMENTAL DECLARATORY JUDGMENT ACTIONS
DOCKET NO. UNN L 8573-89

H. M. HOLDINGS, INC., THE GLIDDEN COMPANY & SMITH CORONA CORPORATION, Plaintiffs, vs. LUMBERMENS MUTUAL CASUALTY COMPANY, et al., Defendants.	SUPERIOR COURT OF NEW JERSEY LAW DIVISION: UNION COUNTY DOCKET NO. L-96187-87 Civil Action

The Deposition of CECIL CROOK, taken before Michele A. Lantis, CSR-0120, RPR-CM, Certified Shorthand Reporter and Notary Public, at Gerger-Moretti Reporting, 520 Comerica Building, Kalamazoo, Michigan on May 28, 1992, commencing at or about 9:00 a.m., pursuant to notice.

GERGER-MORETTI REPORTING
Kalamazoo - Grand Rapids, Michigan
(616) 343-0118 - (800) 536-0804

APPEARANCES:

MR. BENNET G. KELLEY
Howrey & Simon
1730 Pennsylvania Avenue, N.W.
Washington, D.C. 20006-4793

Appearing on Behalf of the Plaintiffs.

MR. JAMES A. PINDERSKI
Tressler, Soderstrom, Maloney & Priess
200 West Adams, Suite 3000
Chicago, Illinois 60606

Appearing on Behalf of Defendants Lumbermens Mutual Casualty Co. and American Motorists Insurance Co.

MR. MICHAEL S. OLSAN
Connell, Foley & Geiser
85 Livingston Avenue
Roseland, New Jersey 07068

Appearing on Behalf of Defendant Continental Casualty Co.

MR. MICHAEL H. COHEN
Morgan, Melhuish, Monaghan, Arvidson, Abrutyn & Lisowski
651 West Mount Pleasant Avenue
Livingston, New Jersey 07039

Appearing on Behalf of Defendant Home Insurance Company.

MS. CATHERINE COLINVAUX
Zelle & Larson
95 Sawyer Road - Suite 500
Waltham, Massachusetts 02154

I N D E X

Examination by Mr. Pinderski	4
Examination by Mr. Cohen	124
Examination by Mr. Olsan	158
Examination by Ms. Colinvaux	167
Further Examination by Mr. Pinderski	179
Examination by Mr. Kelley	181
Further Examination by Mr. Pinderski	183
Further Examination by Mr. Cohen	183

EXHIBITS:

Exhibit No. 1 - Investigative report	69
Exhibit No. 2 - Map	76
Exhibit No. 3 - Diagram	135

Q Did you ever see chemicals spilled at any time during the years you were at the Monarch Mill?
A I never seen it, no.
Q Did you hear about it?
MR. KELLEY: Objection.
A Not officially.
Q Unofficially?
MR. KELLEY: Same objection.
A No.
Q Did you ever hear anyone say that they had seen chemicals spilled?
MR. KELLEY: Objection.
A A fellow told me that he got nauseated from something from a tank car, but that was just -- that was not official, that was just a fellow employee told me. I think this was chlorine.
Q Do you recall anything about the circumstances of that event?
MR. KELLEY: Same objection, Counselor. It's totally hearsay.
A I think it was switching a little tank of chlorine and it leaked momentarily.
Q This is while you were at the Monarch Mill?
A Yes.
Q Is this the only occasion that you ever heard of

chemicals being spilled during the years you were at the Monarch Mill?

A Yes.

Q I believe you testified when Mr. Cohen was asking you questions that wet-strength paper was a type of paper that was excluded from salvage loads. What were the salvage loads you were referring to?

A We would buy -- the company would buy scrap paper from a salvage company.

Q Do you know that salvage company was?

A Redmond Brothers.

Q Redmond?

A Yes.

Q Do you know where they're located?

A Factory Street they were. I think they've gone out of business.

Q In Kalamazoo?

A Yeah.

Q Do you know what years the company bought scrap paper from Redmond Brothers?

A Probably the last five, six years they run.

Q So we're talking about the 1980's?

A Late '80's, yes.

Q Do you know what the paper was used for?

A It was used to mix -- general use. You know, it's

broke, recycled paper that they reused.
Q Was it paper that required de-inking?
A No; no.
Q So, when the salvage paper came into the mill what was done with it?
A It was just put in the hydropulper and recycled or repulped.
Q And this was something that you had responsibility for?
A I have, yes.
Q Were there other kinds of paper that would be excluded from this salvage paper?
A Not much, no.
Q Any other types you can think of offhand?
A I don't understand the question.
Q Well, I believe perhaps I misheard. I believe you had said that when this salvage paper came in you would take out the wet-strength paper?
A We did not sort it. We didn't have time. You couldn't tell it anyway, unless you used a chemical to test it. But you would know it when you dropped one if you had wet strength, you knew it.
Q So, you didn't sort through the paper and take out particular types of paper before you used it?
A No.

MILLENNIUM HOLDINGS, INC.
KALAMAZOO RIVER MEDIATION

REFERENCED DOCUMENTS RE:
QUESTION NO. 9

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