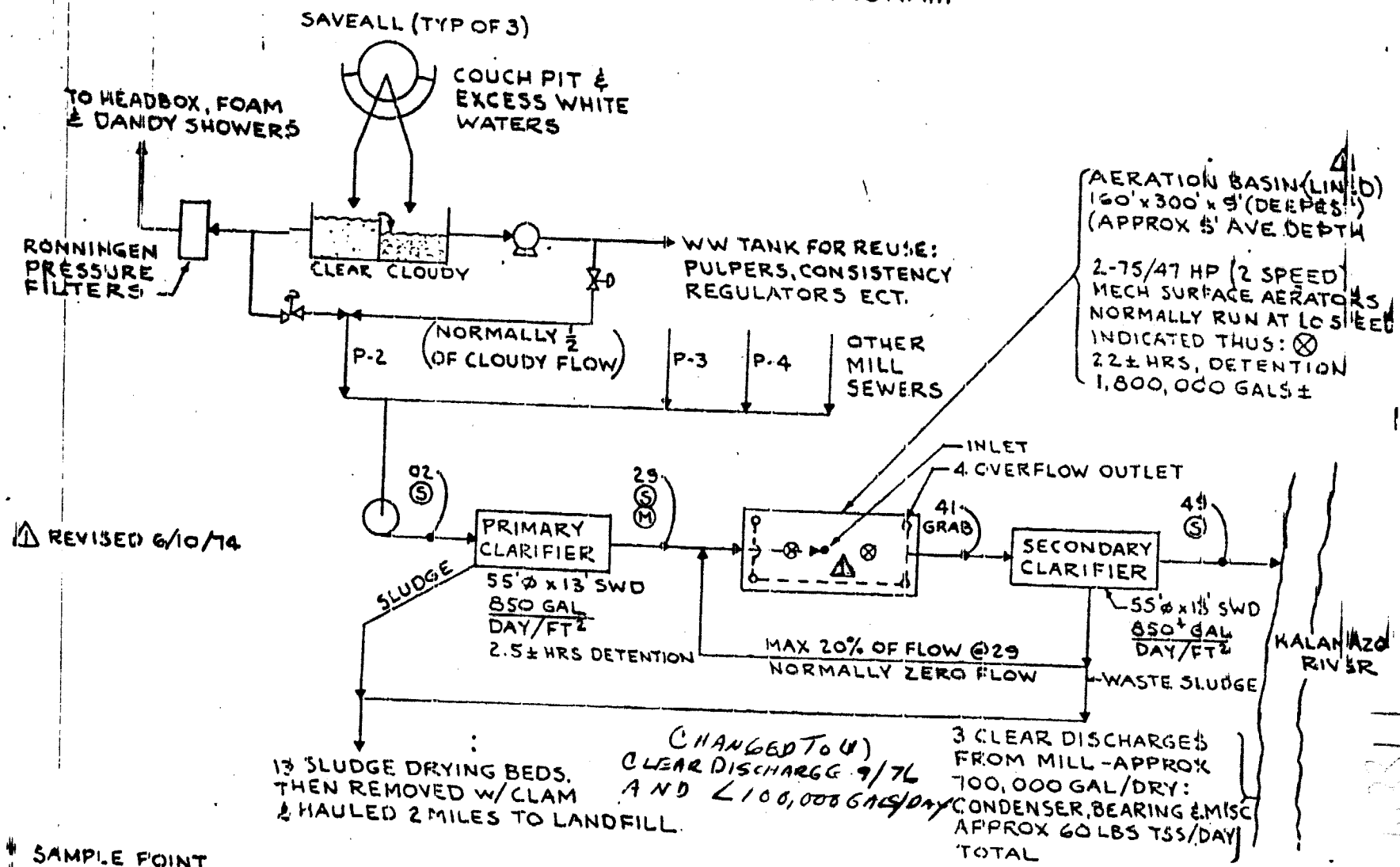
FIGURE 2
WASTE TREATMENT FLOW DIAGRAM

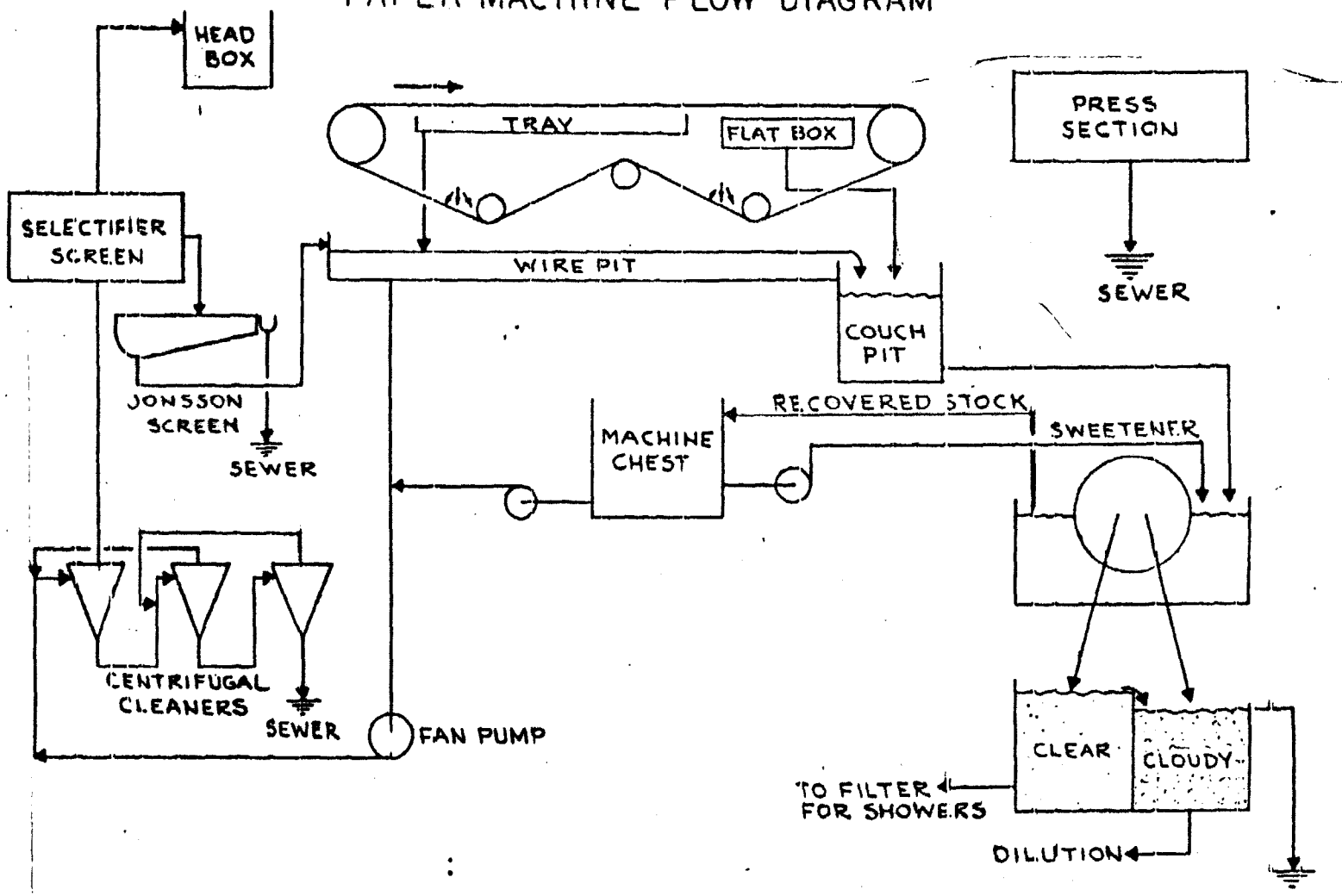


KEY
02 = SAMPLE POINT
S = SAMPLER (AUTOMATIC NON-PROPORTIONAL)
M = RECTANGULAR WEIR

E.C. JORDAN CO. INC.

EPA-LOE INTERNAL SURVEY
MILL NO. 257A

FIGURE I
PAPER MACHINE FLOW DIAGRAM



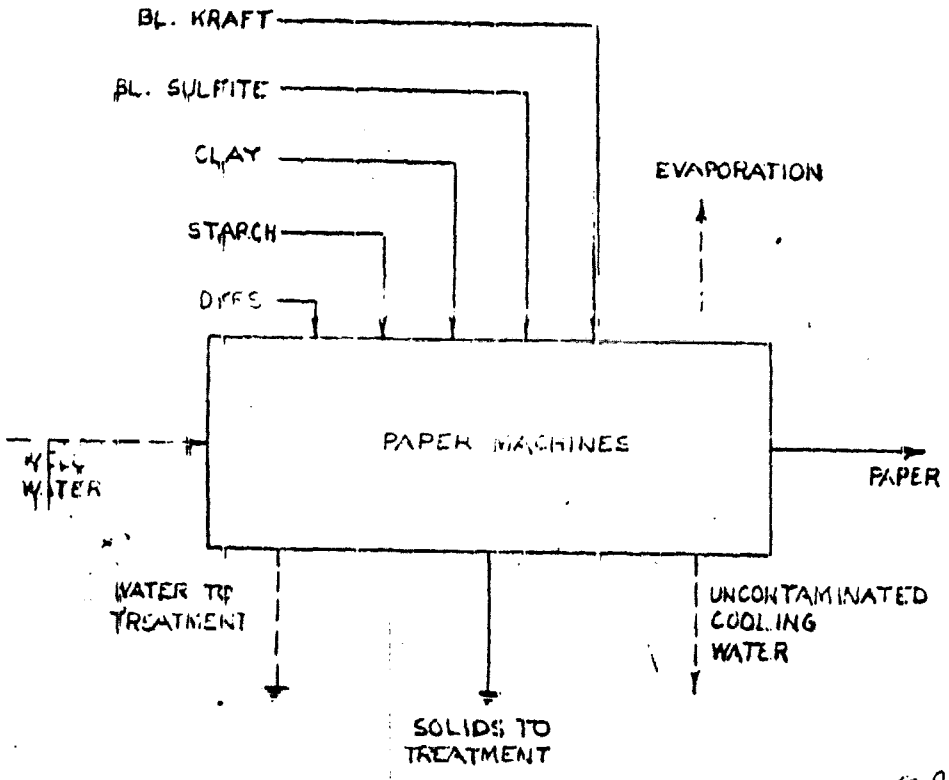
EPA-LOE INTERNAL SURVEY
MILL NO. 257A

E. C. JORDAN CO. INC.

RHP 7-76

20043

FIGURE 3
MATERIAL BALANCE / WATER BALANCE



WATER			
IN M.G.D.		OUT M.G.D.	
WELL WATER	2.5	SEWER	1.9
		EVAPORATION	2.5
		COOLING WATER	0.1
TOTAL	2.5		4.5

NOTE: 294 OPERATING DAYS/YEAR

8.85 T/day water at 5%

SOLIDS			
IN TONS/DAY		OUT TONS/DAY	
KRAFT	59.0	PAPER	177.0
SULFITE	41.0	SOLIDS TO SEWER	5.0
CLAY	18.3		
STARCH	13.5		
DYES	.02		
OTHER	50.2		
TOTAL	182.0		182.0

Chipy { filler, coating

$CaCO_3$

Semi Bl. Kraft

10 → 15% Brooke

mill, alum, filler

3.36 M#/Chicky/yr

EPA-LOE INTERNAL SURVEY
MILL NO. 257

5 20044

7501902E

TABLE 1

ENERGY CONSUMPTION

MILL NO. 257

	Fuel	Units	Usage		Factor*		Billion BTU's/Yr
1.	Purchased electricity	Millions KWH	37.09	x	3.4	=	126.1
2.	Generated electricity	Millions KWH		x	3.4	=	
3.	Coal	Thousands Tons	8.0	x	24.2	=	193.6
4.	Fuel Oil (#5,6)	Thousands 42 Gal. Bbls.	19.36	x	6.3	=	122
5.	Fuel Oil (#2)	Thousands 42 Gal. Bbls.	0	x	5.9	=	
6.	Liquid propane gas**	Thousands Gal.	0	x	.091	=	
7.	Natural gas	Millions Cu.Ft.	402	x	1.02	=	410
8.	Hogged Fuel (50% moisture)	Thousands Tons	0	x	8.0	=	
9.	Bark (50% moisture)	Thousands Tons	0	x	9.1	=	
10.	Spent liquor (O.D.)	Thousands Tons	0	x	12.4	=	
11.	Purchased steam	Millions lbs.	0	x	1.2	=	
12.	Other -						
13.	Other -						
14.	SUB TOTAL (Billion BTU's) -						851.7
15.	Less Energy Sold (Type -) (Billion BTU's) - - - - - - - -						0
16.	TOTAL ENERGY CONSUMPTION (Billion BTU's/Yr) - - - - - - - - - - - - - - -						851.7
17.	TOTAL PAPER/BOARD PRODUCTION (Thousand Tons/Yr) - - - - - - - - - - - - -						52.03
18.	TOTAL ENERGY PER TON (Million BTU's/Ton) - - - - - - - - - - - - - - - - -						16.4

* Conversion factors obtained from American Paper Institute, Raw Materials and Energy Division

** Gal/Yr L.P.G. = Ft^3/Day x Oper.Days/Yr x 0.025

7501902E

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* Conversion factors obtained from American Paper Institute, Raw Materials and Energy Division

** Gal/Yr L.P.G. = Ft^3/Day x Oper.Days/Yr x 0.025

(C) Spills – Time/wk
Order changes –

(D) – reclarified w.w. Spills –