SOUTH PULPER EXHAUST FAN
20 HP, 1800 RPM
40-00-025-042
40-00-025-090

SODIUM HYDROXIDE (20% NaOH) 3 GPM
CHELANT (40.2% DTPA) 3 GPM
TO PULP MACHINE SHOWER WATER TANK
SURFACTANT 3 GPM
MILL WATER

MOPM 0 LBS/HR (4,000 LBS/HR MAX)
50 PSIG STEAM
TO DUMP CHESTS
TO SELECTPURGE
SODIUM SILICATE (37% SOLN)
HYDROGEN PEROXIDE (20% H2O2)
SELECTPURGE ACCEPTS

SOUTH PULPER HYDROGEN PEROXIDE PUMP
49-00-150-010
49-00-150-040
6.2 GPM (MAX) @ 50 PSIG
1 HP, 1725 RPM
DC MOTOR

SOUTH PULPER CHARGING CONVEYOR
50 HP, 1800/900 RPM
40-00-020-010
40-00-020-030
40-00-020-040

SOUTH 25' DIA. HI-CON PULPER
40-00-025-001

STEAM CONNECTIONS

PULPER SEQUENCE CONTROL

SOUTH PULPER DRIVE
40-00-025-030
40-00-025-040
1250 HP 1200 RPM

PULPER WATER CHEST
40-00-015-025
42'-8"x15'-5"x18'-2"H
TOTAL VOL. - 89,400 GAL.
WORKING VOL. - 80,000 GAL.
RETENTION TIME - 28.8 MIN.

PULPER BATCH SPECIFICATION
50 BATCHES/DAY/PULPER(MAX) @ 29 MIN / BATCH
30 BATCHES/DAY/PULPER(DESIGN) @ 48 MIN / BATCH
1. ADD WATER TO TOTAL OF 16,000 GALS
2. ADD CHEMICALS
a. SODIUM HYDROXIDE(20%)-11.3 GALS
b. DTPA(40.2%)- 10.61 GALS
c. SODIUM SILICATE(37%)-10.65 GALS
d. HYDROGEN PEROXIDE(20%)-25.85 GALS
e. SURFACTANT-5.8T GALS
3. ADD 23,800 LB. DRY FIBER FOR 15% CONSISTENCY
4. PULPER LOADING REQUIRES 3-5 MINUTES
5. PULP FOR 20-25 MINUTES
6. BEGIN ADDING DILUTION WATER THROUGH HV-1104
7. AFTER 1 MINUTE OPEN HV-1117, CV-1105 & HV-1115
8. ADD 45,000 GALS OF DILUTION WATER TO FLUSH PULPER CONTENTS TO HYDRAPURGE
9. TOTAL BATCH TIME NORMALLY RUNS 29-40 MINUTES

SOUTH PULPER GEARBOX OIL SYSTEM
3 HP, 1800 RPM
40-00-025-002
40-00-025-031
40-00-025-041

SOUTH HYDRAPURGE III
200 HP, 1800 RPM
40-00-030-001
40-00-030-030
40-00-030-040

SOUTH PULPER DUMP PUMP
6000 GPM @ 50' TDH
100 HP, 1200 RPM
40-00-035-010
40-00-035-040

SOUTH PULPER W.W.PUMP
4400 GPM @ 125' TDH
200 HP, 1800 RPM
40-00-016-010
40-00-016-040

NORTH PULPER W.W.PUMP
4400 GPM @ 125' TDH
200 HP, 1800 RPM
40-00-015-010
40-00-015-040

NOTE:
1. # FURNISHED WITH EQUIPMENT

FLOW LEGEND
BDSTPD/ % BD / USGPM

COOLING WATER RETURN FROM NORTH PULPER OIL COOLERS
W.W. TO NORTH PULPER

REV.	BY	CK'D	DATE	REVISIONS
6	JRY			
5	BM			
4	BF			
3	BF			
2	SCP			
1	SCP			

REV.	BY	CK'D	DATE	REVISIONS
6	DESIGN	RHB		
5	DESIGN	RHB		
4	ESSN		06/16/95	
3	JRY		05/30/95	ADD'D
2	ESSN		04/26/95	
1	JRY		04/06/95	ADD'D
A	ORIGINAL		11/20/94	DESIGN

REV.	RELEASED FOR	BY	DATE	ACTION	BY	DATE
6	DESIGN	RHB		ADD'D	SCP	01/05/96
5	DESIGN	RHB		ADD'D	BF	01/05/96
4	ESSN			ADD'D	BF	01/05/96
3	JRY			ADD'D	SCP	01/05/96
2	SCP			ADD'D	SCP	01/05/96
1	SCP			ADD'D	SCP	01/05/96
A	ORIGINAL		11/20/94	DESIGN		

CAD FILE E40M101

HAGERSTOWN FIBER LIMITED PARTNERSHIP, INC.
HAGERSTOWN FIBER L.P.
PIPING & INSTRUMENTATION DIAGRAM
SOUTH PULPER SYSTEM

SCALE NONE | FILE | PROJECT 9506 | CLIENT DWG NO.

SBCCS DWG NO. E-9506-40-M-101 REV. 6

#22964