Contents

BASIS OF DESIGN 3
PULPING 4
CONVEYOR 4
PULPER 5
RAGGER 6
TRASHWELL GRAPPLE 7
TRASH SCREEN 7
PULPER DISCHARGE PUMP 8
PRIMARY COARSE CLEANING/SCREENING 8
HD CLEANERS 9
PRIMARY COARSE SCREEM PUMP 9
PRIMARY COARSE SCREEN 10
SECONDARY COARSE SCREENING 10
SECONDARY COARSE SCREEN TANK 11
SECONDARY COARSE SCREEN TANK PUMP 11
FIBREIZER 12
REJECT SCREEN HEADER TANK 12
COARSE REJECT SCREEN 13
MD CLEANING 13
MD Cleaner Pump 14
MD Cleaners x 4 14
PRIMARY FINE SCREENING 15
PRIMARY FINE SCREEN PUMP 15
PRIMARY FINE SCREENS x 2 16
SECONDARY/TERTIARY FINE SCREENING 16
SECONDARY FINE SCREEN PUMP 17
SECONDARY FINE SCREEN 17
TERTIARY FINE SCREEN PUMP 18
TERTIARY FINE SCREEN 18
LIGHTWEIGHT CLEANING 19
#1 PRIMARY LIGHTWEIGHT CLEANER PUMP 19
#1 PRIMARY LIGHTWEIGHT CLEANERS 20
#2 PRIMARY LIGHTWEIGHT CLEANER PUMP 20
#2 PRIMARY LIGHTWEIGHT CLEANERS 21
SECONDARY LIGHTWEIGHT CLEANER PUMP 21
SECONDARY LIGHTWEIGHT CLEANERS 22
FORWARD CLEANERS 22
PRIMARY FORWARD CLEANER PUMP 23
PRIMARY FORWARD CLEANER STANDPIPE 23
PRIMARY FORWARD CLEANERS 23

SECONDARY FORWARD CLEANER PUMP 24
SECONDARY FORWARD CLEANER STANDPIPE 24
SECONDARY FORWARD CLEANERS 24
TERTIARY FORWARD CLEANER PUMP 25
TERTIARY FORWARD CLEANER STANDPIPE 25
TERTIARY FORWARD CLEANERS 25
QUATERNARY FORWARD CLEANER PUMP 26
QUATERNARY FORWARD CLEANER STANDPIPE 26
QUATERNARY FORWARD CLEANERS 26
FIBREMIZER 27
RECYCLE PULP THICKENER 27
THICKENER 28
THICKENER SCREEN DRIVE 28
REPULPER DRIVE 29
SHOWER DRIVE: 29
HD STORAGE 30
MC PUMP: 30
MC DEGAS PUMP 30
HD15 TANK 31
HD 15 AGITATOR 31
HD15 DISCHARGE PUMP 32
WATER TREATMENT 32
CLARIFIER 33
CHEMICAL DOSING PLANT: 33
SATURATED AIR SYSTEM 33
SLUDGE PUMP SYSTEM 34
CLARIFIED FILTRATE PUMP 34
CLARIFIED RECIRCULATION PUMP 35
REJECTS HANDLING SYSTEM 35
SCREEN TROMMEL 36
REJECTS PRESS 36
REJECTS TANK 37
REJECTS TANK AGITATOR 37
REJECTS TANK PUMP 38
FLOC TANK 38
SLUDGE THICKENER DRUM SCREEN 39
SLUDGE PRESS 39
SAND SEPARATOR 40
REJECT COLLECTION 40
REJECT PACKERS X 2 41
WASTEPAPER SYSTEM WATER PUMPS 41
CLARIFIED FEED PUMP 41
THICKENER SHOWER BOOSTER PUMP 42

SEAL WATER BOOSTER PUMP 42
MP CLEAR FILTRATE PUMP 42
CLEAR DILUTION PUMP 43
TANK AGITATORS: 43
PULPER DUMP CHEST 43
PULPER MD CLEANER CHEST 44
CLARIFIED FEED CHEST 44
SUMP PUMPS X 2 45
SUNDRY ITEMS 46
PEDESTAL CRANE – 5T 46
PEDESTAL CRANE – 1T 46
DECOMMISSIONED WATER FILTER BANK 47
AIR RECEIVER 47

Note

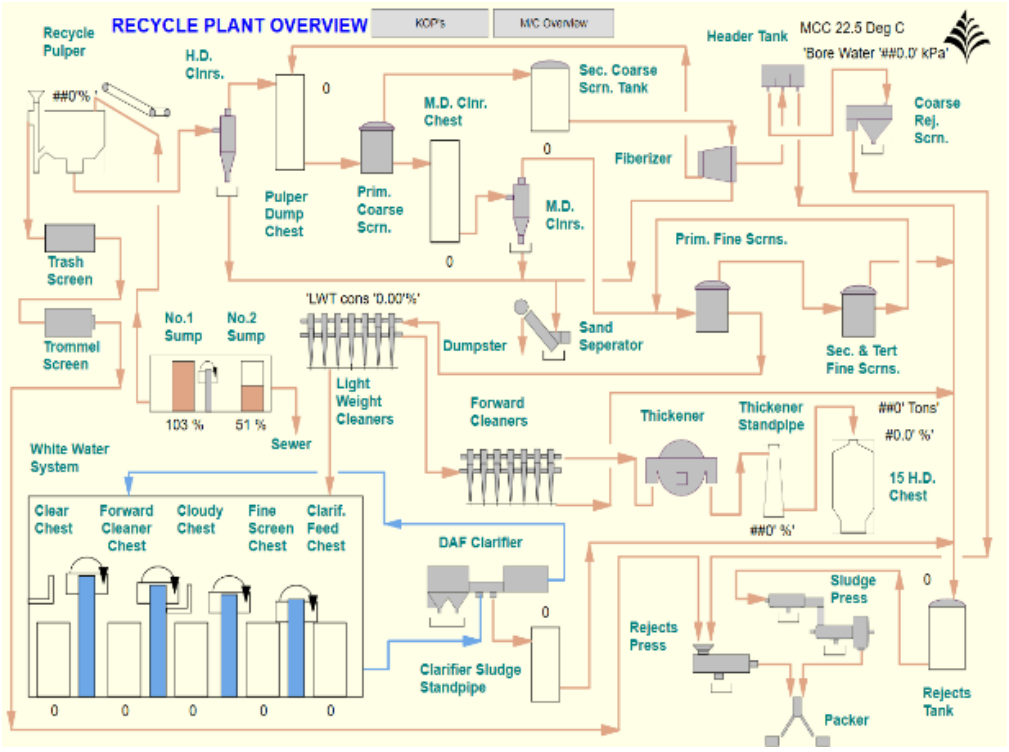
Not included in the sales: Buildings and essential Mill services (air-water-power, etc) including structures supporting the services such as but not limited to pipe bridges, supports, cable trays, etc. To be identified on site

BASIS OF DESIGN

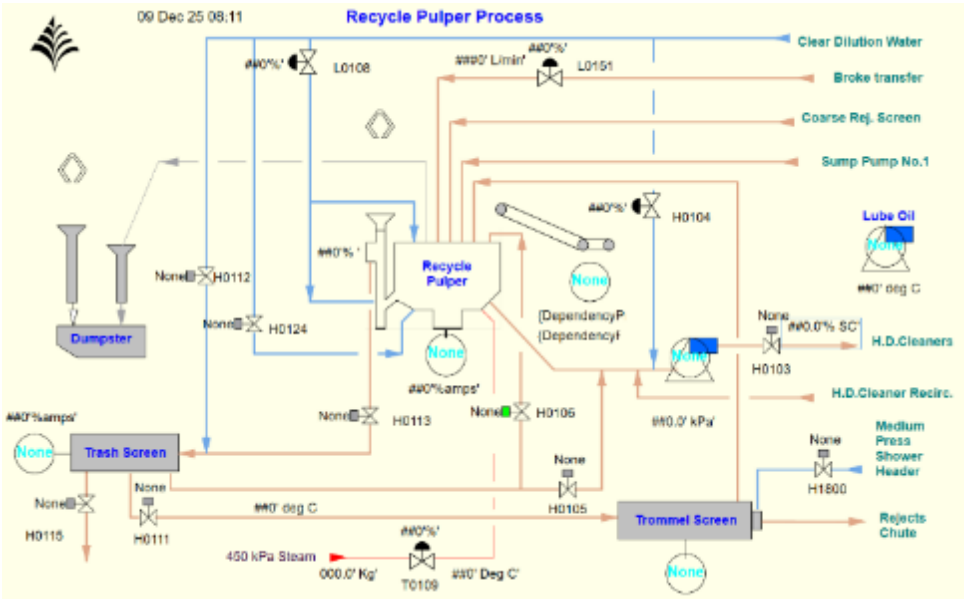
450T/Day

~ 12% consistency

80% OCC/20% MWP



PULPING



CONVEYOR

Brand Neilson + Hiebert Systems (NHS #96117/BLACK CLAWSON #4759291)
DOM 1996
Drive Motor: 415V/5.5kW/4P
G/Box: FALK, 1110FZ4A, Ratio 434.9:1
Sprocket reduction drive
Conveyor Width 2500mm







PULPER

DOM- 1996

Drive Motor: Pope/415V/425kW/4P

G/Box: Black Clawson,

TYPE 467ZBX2-S
SERIAL #FLP-960147
INPUT – 1501 RPM
OUTPUT – 180.8 RPM
RATIO 8.92:1
INPUT POWER – 450 kW
INPUT RATING – 1598HP
SERVICE FACTOR – 2.65
Oil cooler for G/Box
Steam Injection (7000KG/Hr) – Decommissioned






RAGGER

Black Clawson- M14 (serial #96-M14-0355)
DOM- 1996
Drive Motor: Reliance/112MFF/415V/2.2kW/6P
G/Box: Master Power Transmission, 210CM40A, Ratio 288.0:1
STEARNS brake unit
Winch
Tail Cutter (hydraulic pump not shown)






TRASHWELL GRAPPLE

2 Tonne hoist & beam
Motor: Black Clawson/2.2kW (hydraulic pump not shown)







TRASH SCREEN

Motor: D315S/415V/75kW/6P
Screen: Black Clawson Hydrapurge HP33-3000
Belt Drive, 3/8” Holes. 50-75 TPD, 3180l/min



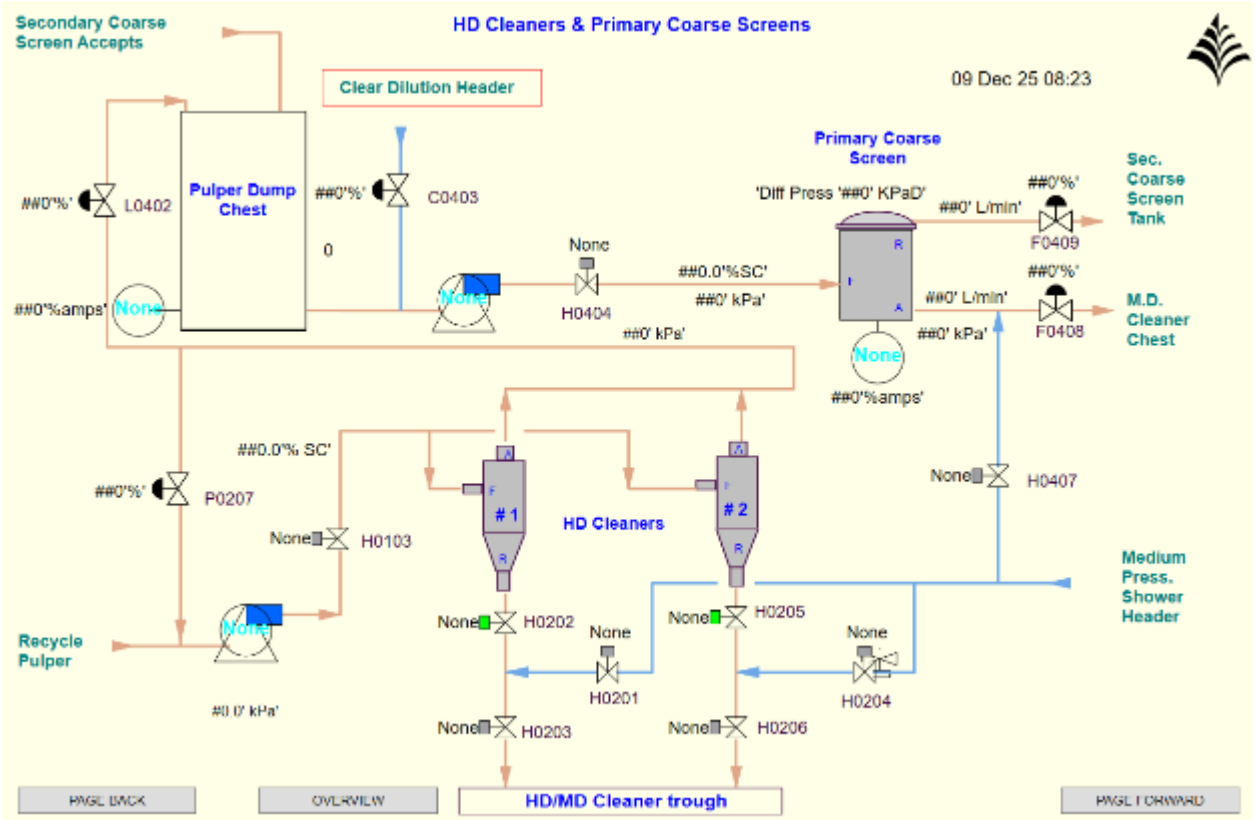

PULPER DISCHARGE PUMP

Motor: 415V/110kW/960RPM

Pump: ALSTROM APP54-250, ?l/s, 32.4m



PRIMARY COARSE CLEANING/SCREENING



HD CLEANERS

Black Clawson HD 17” x 2
DN200 valves on junk trap





PRIMARY COARSE SCREEM PUMP

Motor: CMG, D315S, 415V/110kW/6P
Pump: ALSTOM, APP53-250, 250l/s, 26.6m

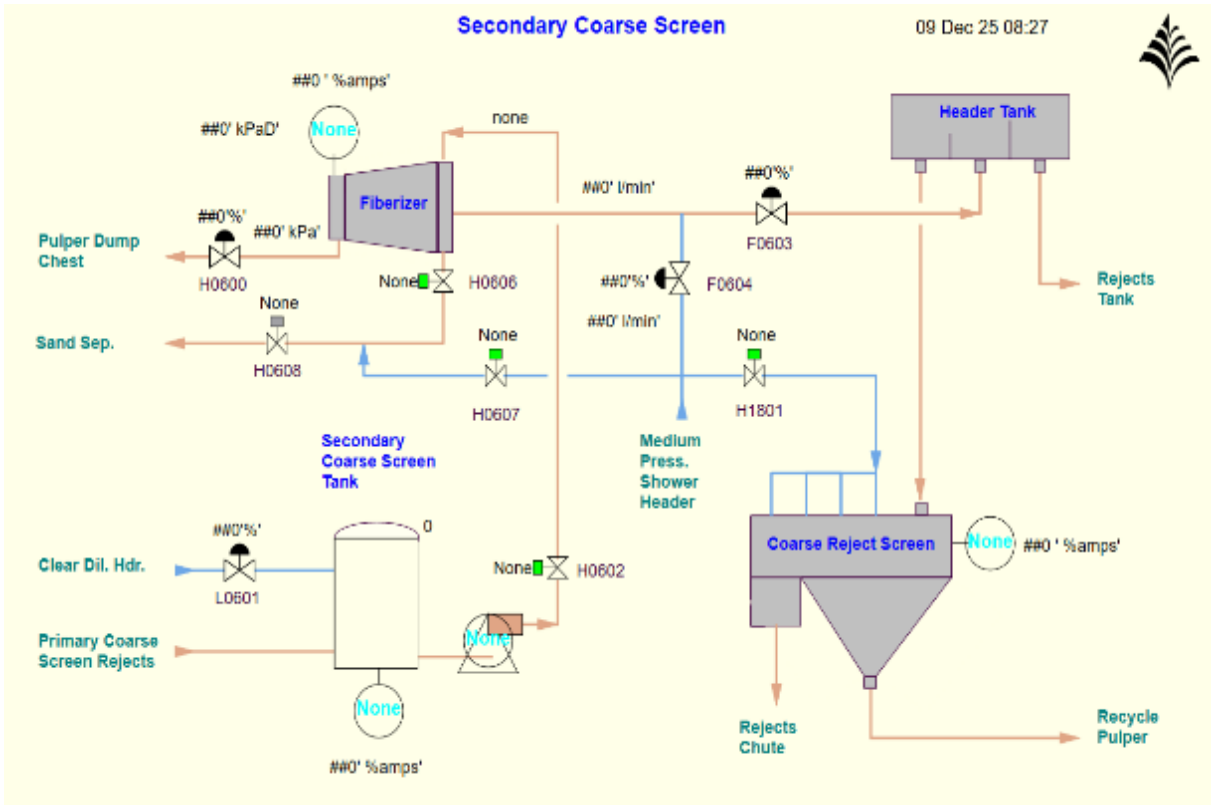


PRIMARY COARSE SCREEN

DOM 1996
Motor: POPE, D355LY, 415V/255kW/6P
Screen: Black Clawson, ULTRA-V UV600, #96-UV600-8064, 2.0mm Holes
Belt Drive



SECONDARY COARSE SCREENING



SECONDARY COARSE SCREEN TANK

3000 Dia x 3800 high, 24.5 m^3, Stainless



SECONDARY COARSE SCREEN TANK PUMP

Motor: CMG, D280S, 415V/75kW/4P

Pump: ALSTOM, NPP33-80, 49.17l/s, 34.4m



FIBREIZER

Motor: ASEA D315S/415V/110kW/4P
Pump: ESHER WYSS F2 Fibreizer – 12mm holes
Belt Drive



REJECT SCREEN HEADER TANK

3000L x 1000W x 1200H, Baffled with overflow, Stainless

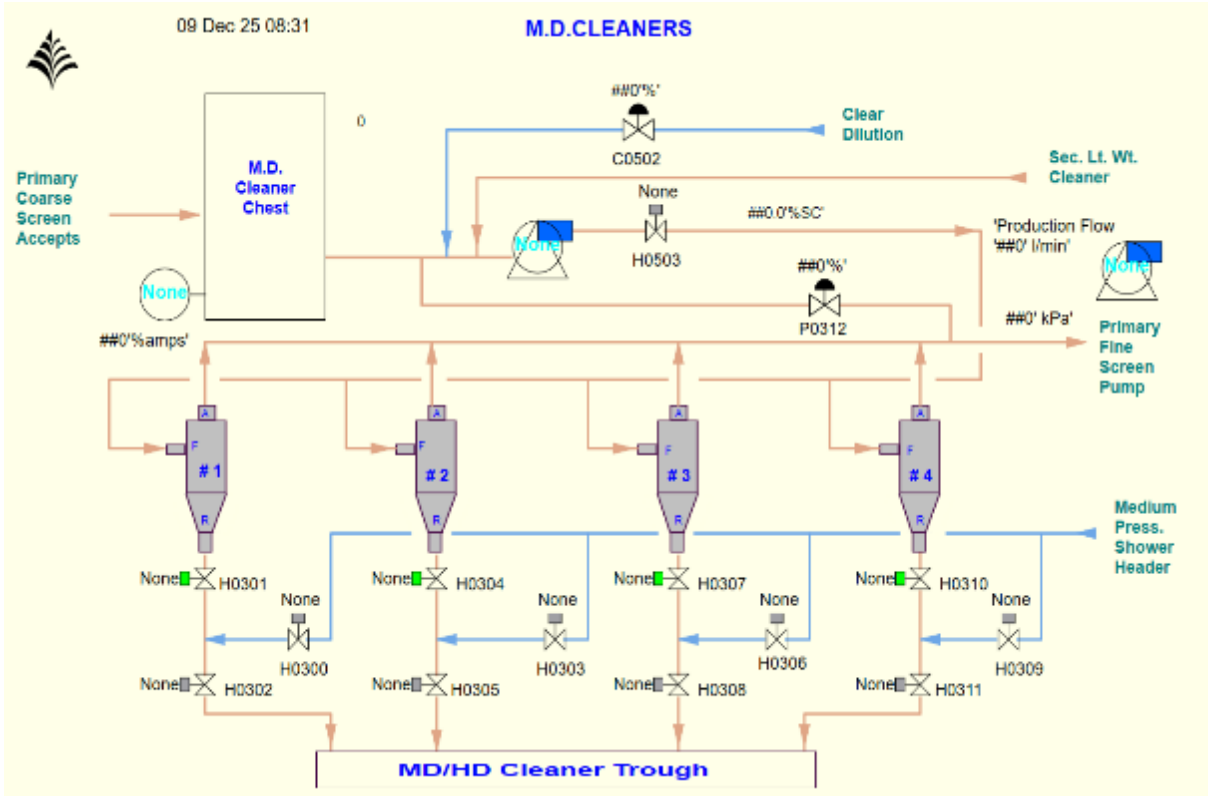


COARSE REJECT SCREEN

Motor: POPE, D225S, 415V/37kW/4P
Screen: Black Clawson, Ultra Sorter, US30, 96-US30-0121
Belt Drive



MD CLEANING



MD Cleaner Pump

Motor: POPE, D355L, 415V/185kW/6P
Pump: ALSTOM, APP55-300, 353.33 l/s35.9m



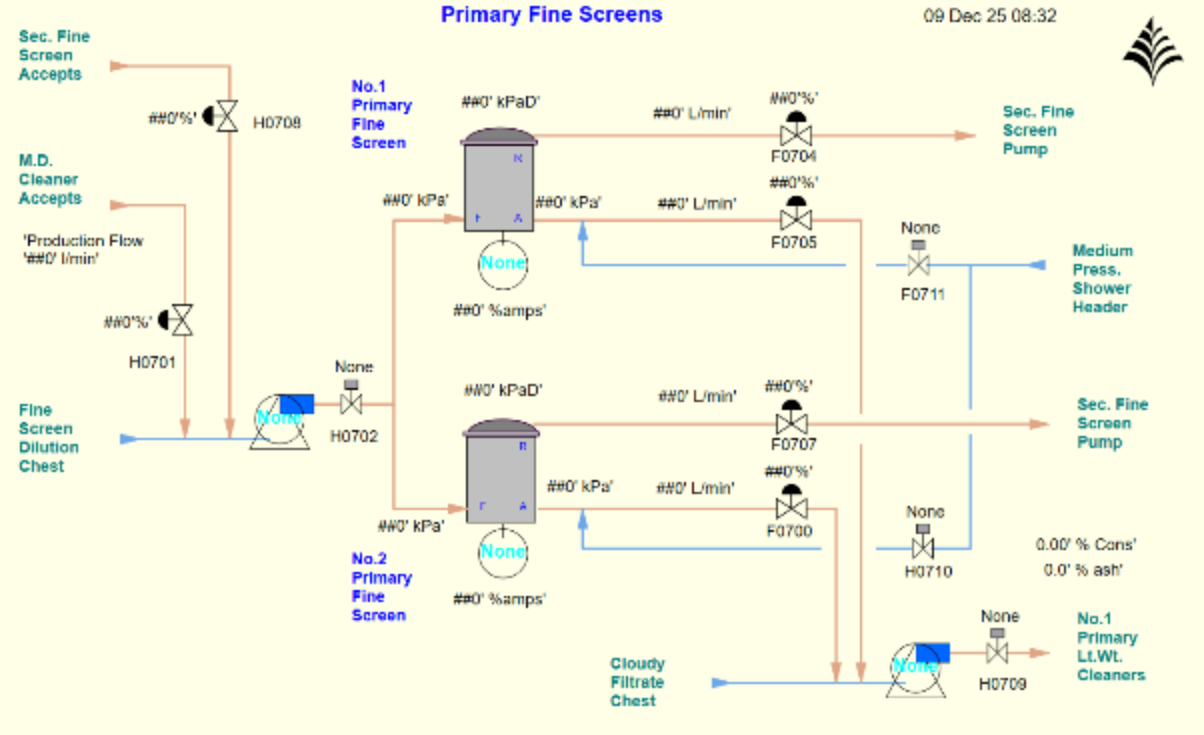
MD Cleaners x 4

Black Clawson 14.5”
DN200 valves on junk trap





PRIMARY FINE SCREENING



PRIMARY FINE SCREEN PUMP

Motor: POPE, D315L, 415V/150kW/6P

Pump: ALSTOM, APP52-400, 606.67l/s, 20.7m



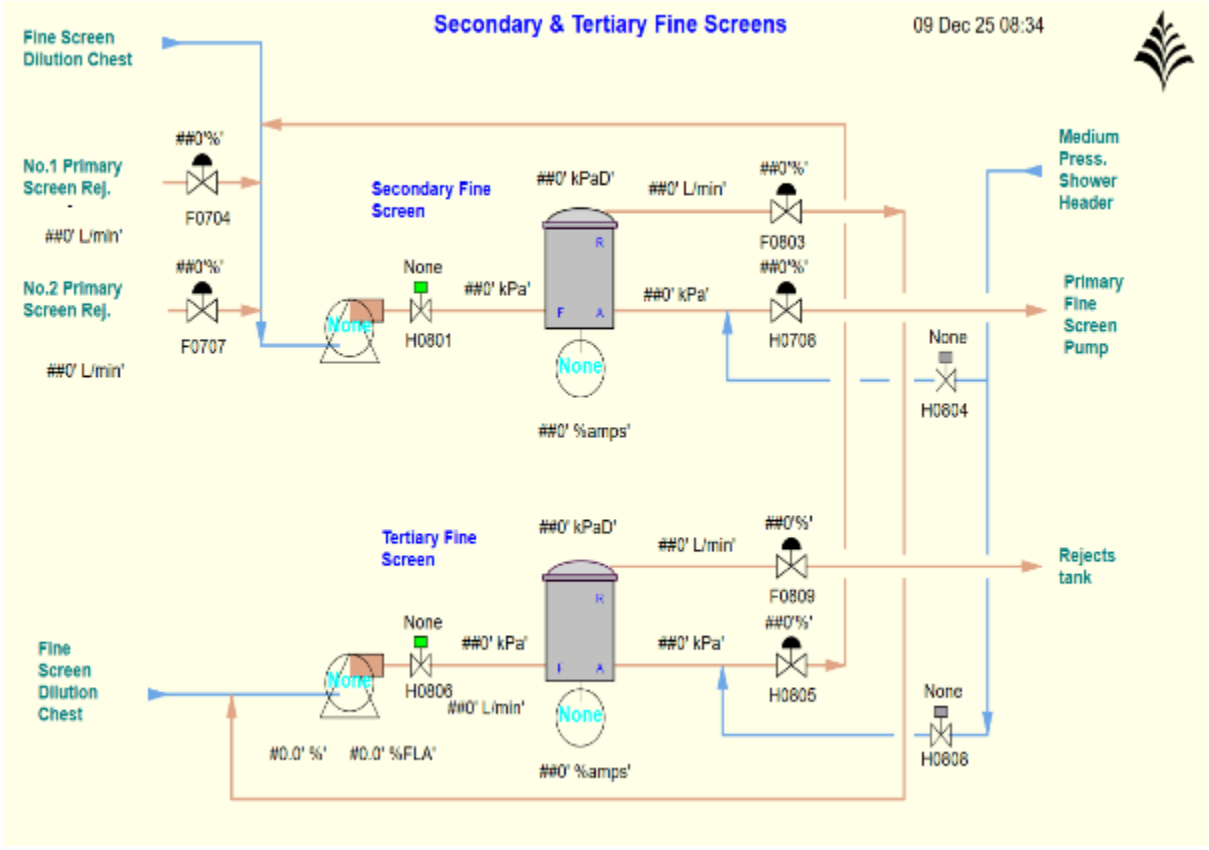
PRIMARY FINE SCREENS x 2

Motor: POPE, D355LY, 415V/200kW/6P
Screen: Black Clawson, ULTRA-V UV600
Belt Drive
0.20mm Slots





SECONDARY/TERTIARY FINE SCREENING



SECONDARY FINE SCREEN PUMP

Motor: POPE, D280M, 415V/55kW/6P
Pump: ALSTOM APP51-250, 145l/s, 21m



SECONDARY FINE SCREEN

Motor: POPE, D315M, 415V/110kW/6P
Screen: Black Clawson, ULTRA-V UV400,
Belt Drive
0.20mm Slots



TERTIARY FINE SCREEN PUMP

Motor: CMG, D200L, 415V/30kW/4P
Pump: ALSTOM APP33-125, 33l/s, 19.8m

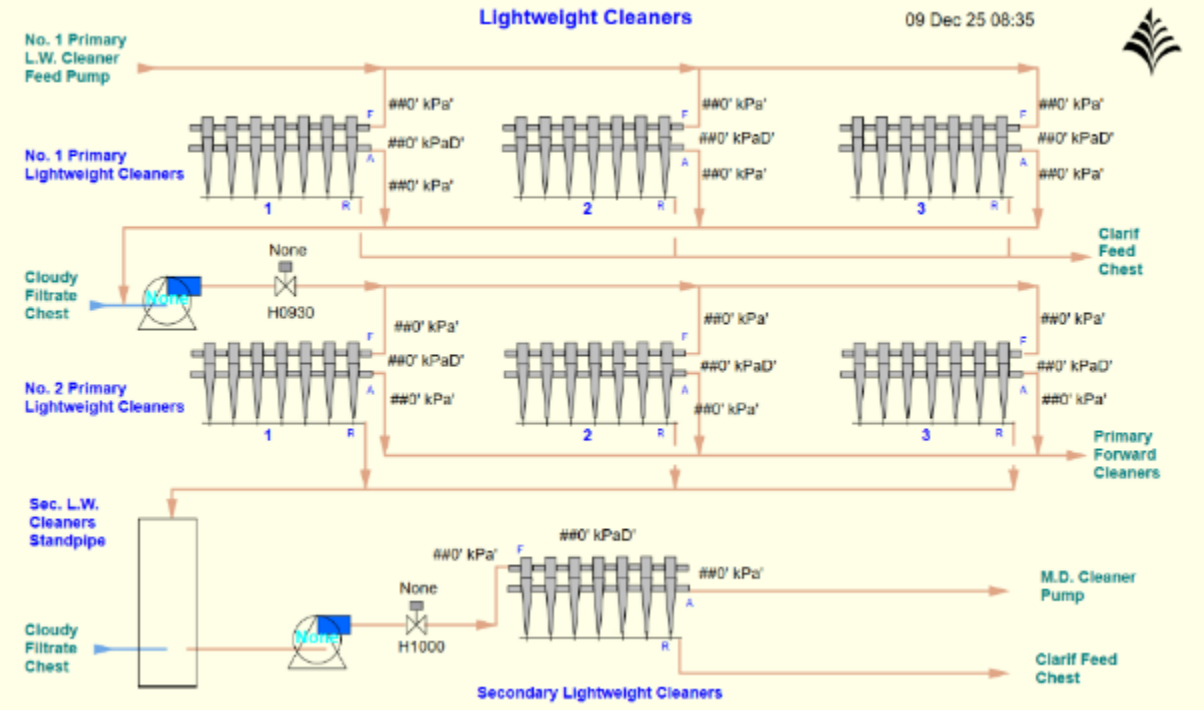


TERTIARY FINE SCREEN

Motor: POPE, D280M, 415V/55kW/6P
Screen: Black Clawson, ULTRA-V UV200,
Belt Drive
0.20mm Slots



LIGHTWEIGHT CLEANING



#1 PRIMARY LIGHTWEIGHT CLEANER PUMP

Motor: POPE, D355LY, 415V/280kW/6P

Pump: ALSTOM, APP54-400, 681.3l/s, 31.2m



#1 PRIMARY LIGHTWEIGHT CLEANERS

Black Clawson X-Clone LD Cleaner
3 Banks of 72 cleaners





#2 PRIMARY LIGHTWEIGHT CLEANER PUMP

Motor: POPE, D355LY, 415V/280kW/6P
Pump: ALSTOM, APP54-400, 681.3l/s, 31.2m



#2 PRIMARY LIGHTWEIGHT CLEANERS

Black Clawson X-Clone LD Cleaner

3 Banks of 72 cleaners





SECONDARY LIGHTWEIGHT CLEANER PUMP

Motor: POPE, D315S, 415V/75kW/6P

Pump: ALSTOM, APP53-200, 142.12l/s, 30.3m

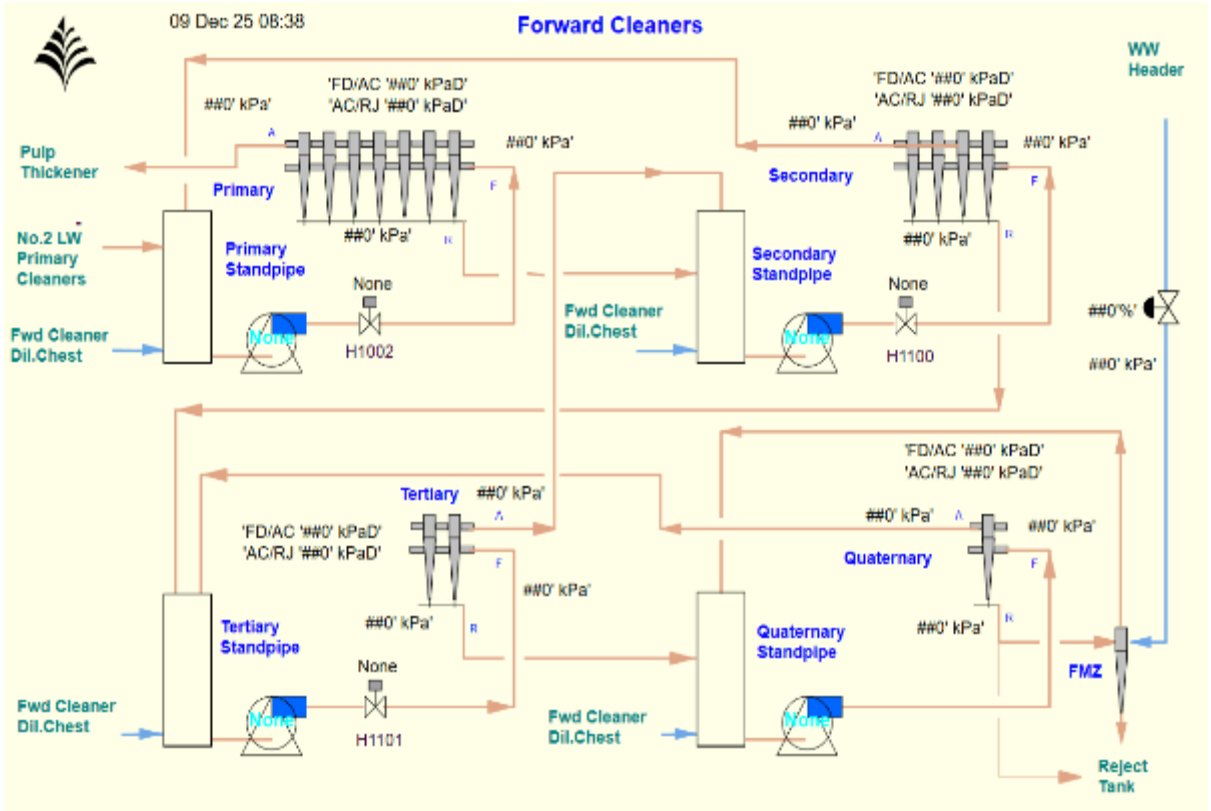


SECONDARY LIGHTWEIGHT CLEANERS

Black Clawson X-Clone LD Cleaner
1 bank of 56 cleaners



FORWARD CLEANERS



PRIMARY FORWARD CLEANER PUMP

Motor: POPE, D450L, 415V/315kW/8P

Pump: ALSTOM, APP61-500, 88,8l/s, 29,4m



PRIMARY FORWARD CLEANER STANDPIPE

ACME Engineering, API 650, 2500 Dia, 26.0m^3





PRIMARY FORWARD CLEANERS

ALFA LAVAL CELLECO Cleanpac 700 LD Centricleaners

Bank of 42



SECONDARY FORWARD CLEANER PUMP

Motor: POPE, D315M, 415V/110kW/6P
Pump: ALSTOM, APP53-250, 242,4l/s, 28.2m



SECONDARY FORWARD CLEANER STANDPIPE

ACME Engineering, API 650, 1000 Dia, 4.2m^3





SECONDARY FORWARD CLEANERS

ALFA LAVAL CELLECO Cleanpac 700 LD Centricleaners
Bank of 24



TERTIARY FORWARD CLEANER PUMP

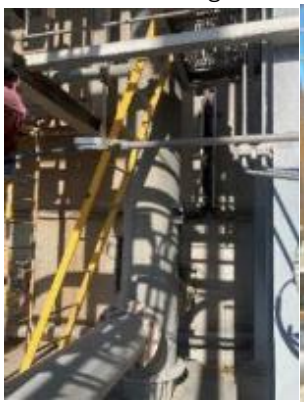
Motor: POPE, D280S, 415V/45kW/6P

Pump: ALSTOM, APP53-200, 80.8l/s, 28.1m



TERTIARY FORWARD CLEANER STANDPIPE

ACME Engineering, API 650, 500 Dia, 1.1m^3





TERTIARY FORWARD CLEANERS

ALFA LAVAL CELLECO Cleanpac 700 LD Centricleaners

Bank of 8



QUATERNARY FORWARD CLEANER PUMP

Motor: CMG, D180M, 415V/18.5kW/4P
Pump: ALSTOM, APP32-80, 20.2l/s, 27.8m



QUATERNARY FORWARD CLEANER STANDPIPE

ACME Engineering, API 650, 265 Dia, 2.295m^3





QUATERNARY FORWARD CLEANERS

ALFA LAVAL CELLECO Cleanpac 700 LD Centricleaners
Bank of 3 (manifold for 8)

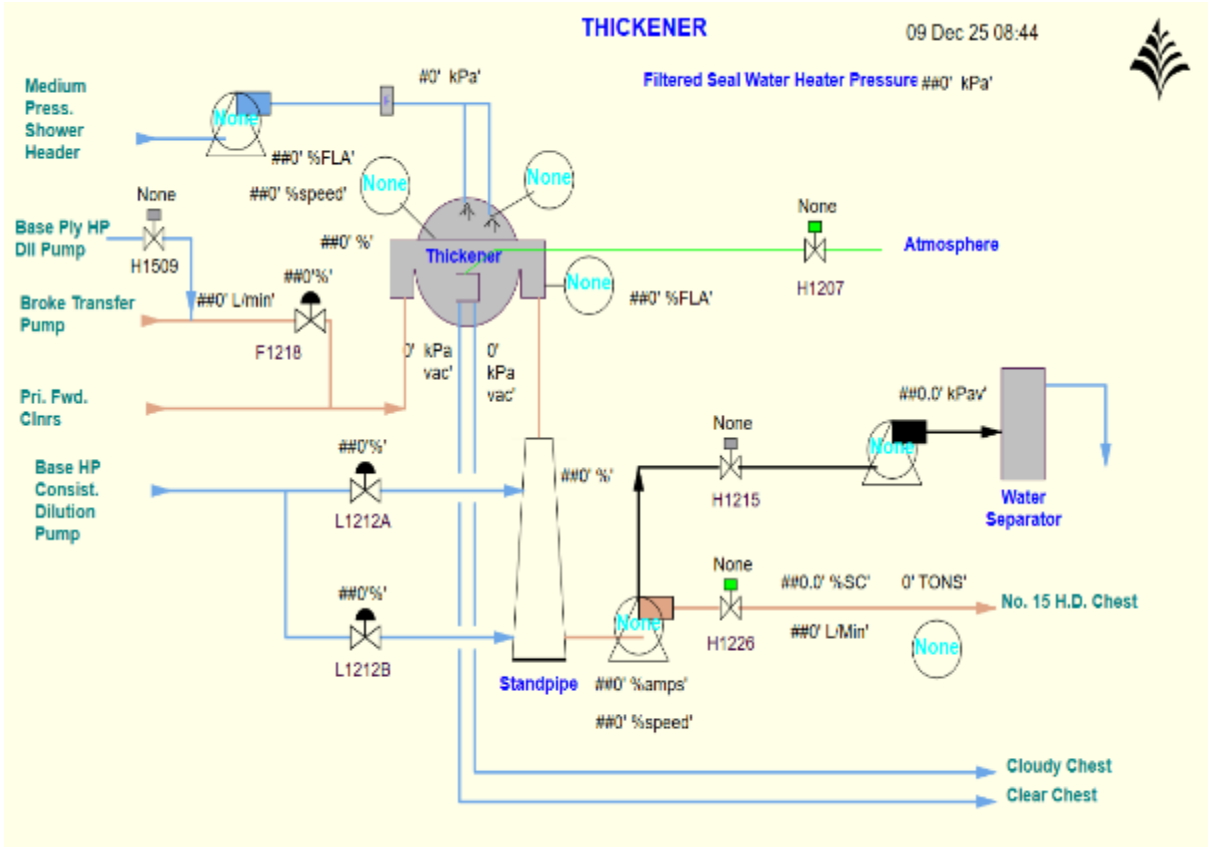


FIBREMIZER

ALFA LAVAL CELLECO Cleanpac 350
Bank of 2



RECYCLE PULP THICKENER



THICKENER

ALFA LAVAL CELLECO, Centredisc Filter, 5ML2-16(14), 14 Disc.





THICKENER SCREEN DRIVE

Drive: GMC, D200L, 415V/22kW/6P
G/Box: LINK BELT, 450-21HK-RU-3-500, 500.58:1



REPULPER DRIVE

POPE: D160L, 415V/15kW/4P
G/Box: REXNORD 215FX04, 4.933:1

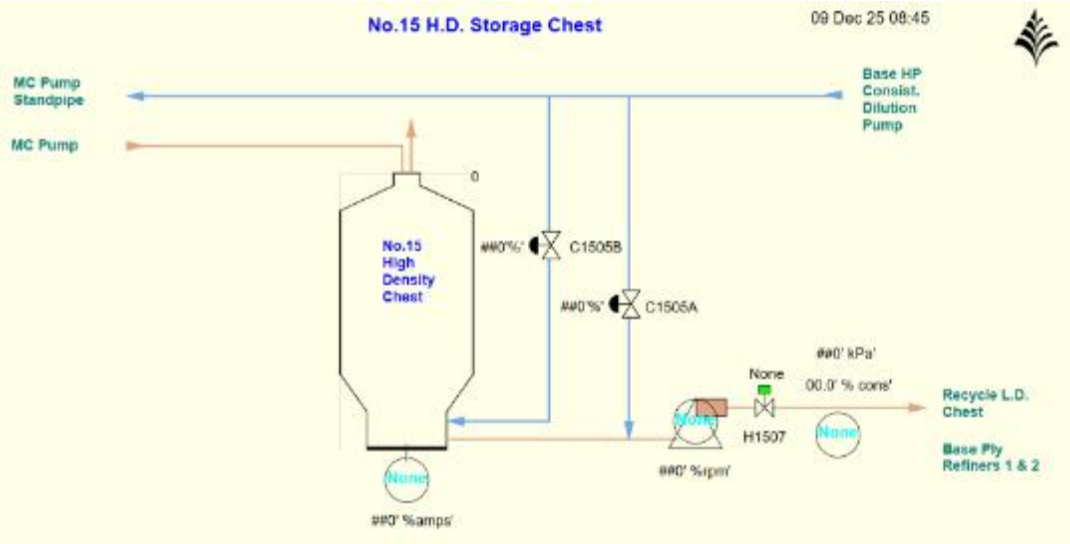


SHOWER DRIVE:

POPE, D80, 415V/0.55kW/4P
G/Box: REXNORD MWH085-B1, 223:1



HD STORAGE



MC PUMP:

Motor: POPE, D315L, 415V/185kW/4P
Pump: ALSTOM, MCA32-150

MC DEGAS PUMP

Motor: MARATHON, D132M, 415V/7.5kW/4P
Pump: NASH, AHF75-MC1



HD15 TANK

Brick/Resin, ??m^3



HD 15 AGITATOR

Motor: POPE, D315M, 415V/110kW/6P
G/Box: FALK, 2070Y1L, 3.065:1
Agit: CHEMINEER 70 PB1S

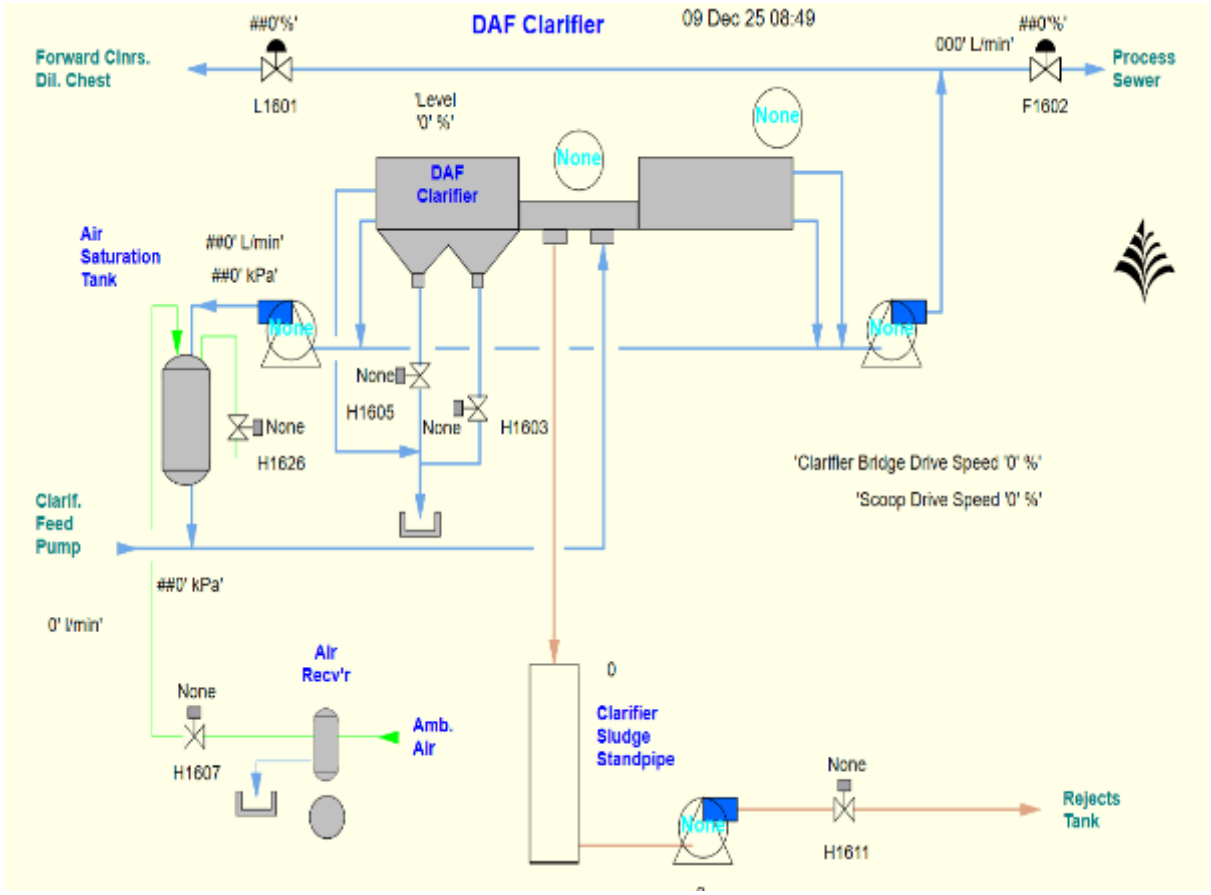


HD15 DISCHARGE PUMP

Motor: POPE, D315M, 415V/132kW/6P
Pump: AHLSTROM, APP51-250, 250l/s, 35.5m



WATER TREATMENT



CLARIFIER

VOITH/MERI OMC DELTAPRUGE DAF unit, DPP130A, DOM 1997, Serial D209

Bridge Drive: Gearmotor, EURODRIVE, 415V/1.1kW

Scoop Drive: Gearmotor, EURODRIVE, 415V/1.5kW





CHEMICAL DOSING PLANT:

Bulk Storage Silo	Allied Colloids
Makedown Unit/Mix Tank	Allied Colloids
Dosing Pumps x 2	WEG, D80 415V/0.75kW/2P – MONO 13AC81RPA





SATURATED AIR SYSTEM

Pressure Vessel: MERI, ASR5 Assembly,

Compressor: INGERSOL RAND, Model 2475, 1997. TECO, D132S 415V/5.5kW/2P





SLUDGE PUMP SYSTEM

Tank: ACME ENGINEERING LTD, 1000 Dia x 2385, 1.8m^3
Sludge Pump: Gearmotor: DAVID BROWN EP MO82BD160 8.33:1
Pump; MONO E901



CLARIFIED FILTRATE PUMP

Motor: POPE, D280S, 415V/45kW/6P
Pump: ALSTOM, APP43-300, 230.2l/s, 11.9m

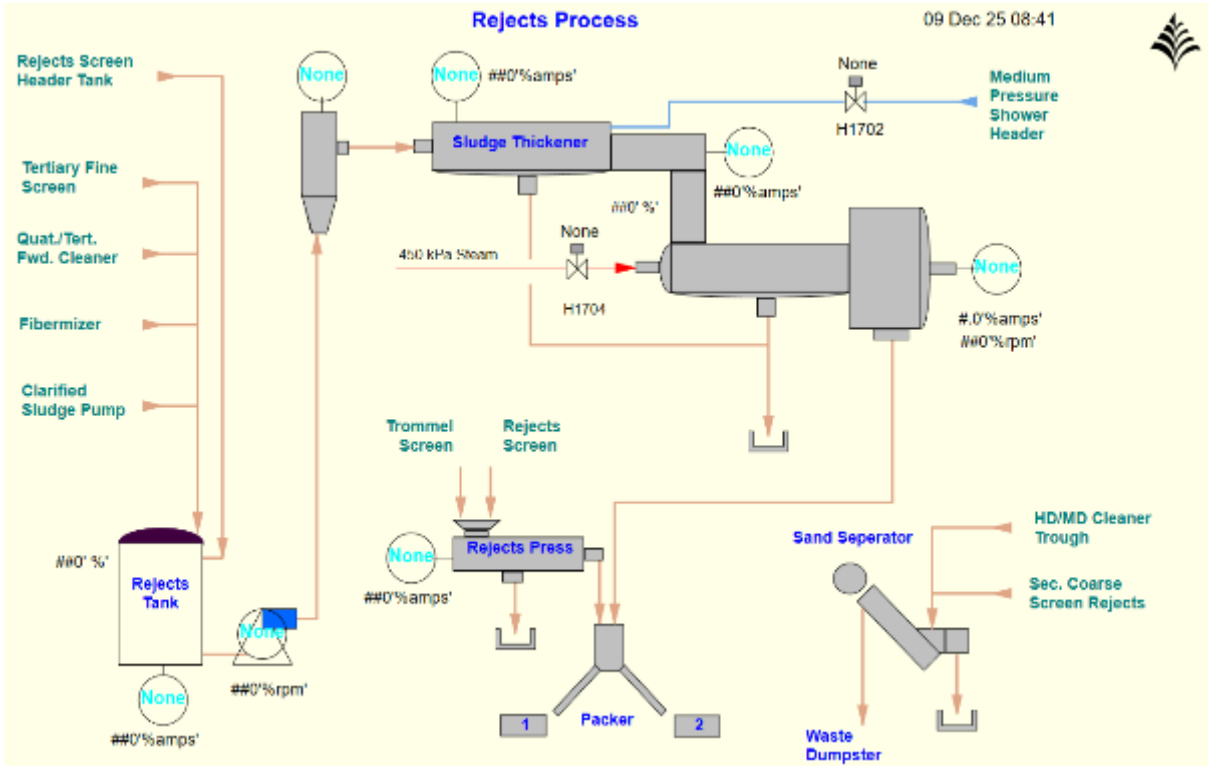


CLARIFIED RECIRCULATION PUMP

Motor: POPE, D315M, 415V/110kW/6P
Pump: ALSTOM, APP55-100, 76.7l/s, 59.4m



REJECTS HANDLING SYSTEM



SCREEN TROMMEL

Black Clawson, Selectpurge 4500 Dewatering Drum, 96-SP4500-0176, DOM 1996, Belt Drive

Motor: GMC, D112M, 415V/4kW/4P

G/Box: ROSSI, MR-CI-100-UO3A, 8.92:1




REJECTS PRESS

VOITH/TRUMAG, CX50, DOM 1997, #10294

Motor: NORMAND, 415V/22kW/4P

G/Box: NORD, SK93F, 46.57:1





REJECTS TANK

ACME, API 650, 3750 Dia, 3800 Height, 41.9m^3



REJECTS TANK AGITATOR

Motor: POPE, D112M, 415V/4kW/4P
Agit: CHEMINEER 2HTA, Belt Drive



REJECTS TANK PUMP

Motor: CMG, D180M, 415V/18.5kW/4P

Pump: ALSTOM, APP22-80, 21,7l/s, 17.4m



FLOC TANK

FUKOKU KOGYO CO. Ltd, 1200 Dia x 2800m, 2043L, Stainless





SLUDGE THICKENER DRUM SCREEN

FUKOKU KOGYO CO. Ltd, RST-HC630 x 3000L, DOM 3/1997, #HCRST-0118-1

Drum Motor: POPE, D100L, 415V/2.2kW/4P
G/Box: SUMITOMO, HACN 3 3145
Shower Motor: POPE, D90L, 415V/1.5kW/4P



SLUDGE PRESS

FUKOKU KOGYO CO. Ltd, Screw Press SHX-800X5000L

Motor: POPE, D355L, 415V/185kW/6P
G/Box: FALK 465A4-C-322.2, 322.2:1
Sprocket Drive RS240-2 16/48





SAND SEPARATOR

VOITH TRUMAG, SEDIMATOR 28-8, 1.88m^3

Motor: NORD, D80, 415V/0.75kW/4P

G/Box: NORD, SK538AF-80L4-2, 700.3:1



REJECT COLLECTION

Chute Flop Gate





REJECT PACKERS X 2

CAREPAK MODEL CP226/SP6C-5C
Motor: POPE, D160M, 415V/11kW/4P



WASTEPAPER SYSTEM WATER PUMPS

CLARIFIED FEED PUMP

Motor: POPE, D250M, 415V/37kW/6P
Pump: ALSTOM, APP43-300, 233.3l/s, 12.3m



THICKENER SHOWER BOOSTER PUMP

Motor: POPE, D225, 415V/45kW/2P
Pump: ALSTOM, APP22-80, 42,9l/s, 64.9m



SEAL WATER BOOSTER PUMP

Motor: POPE, D132S, 415V/5.5kW/2P
Pump: AHLSTROM, APP11-32, 3.4l/s, 41.5m



MP CLEAR FILTRATE PUMP

Motor: POPE, D315L, 415V/185kW/4P
Pump: AHLSTROM, APP53-150, 133l/s, 63.3m



CLEAR DILUTION PUMP

Motor: POPE, D315S, 415V/75kW/6P
Pump: AHLSTROM, APP52-350, 433l/s, 12.1m



TANK AGITATORS:

PULPER DUMP CHEST

Motor: POPE, D315M, 415V/110kW, 6P
Agit: CHEMINEER 50PB1Z



PULPER MD CLEANER CHEST

Motor: POPE, D280M, 415V/550kW, 6P
Agit: CHEMINEER 40PB1S

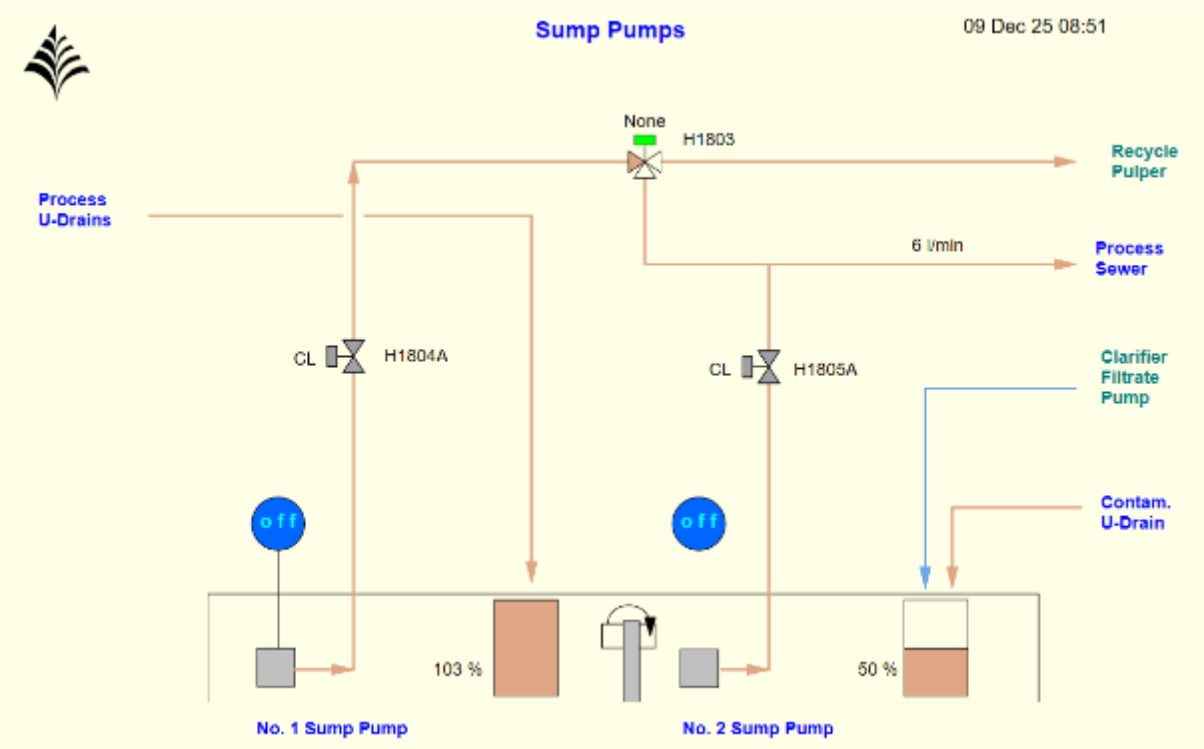


CLARIFIED FEED CHEST

Motor: POPE, D160L, 415V/15kW, 4P
Agit: CHEMINEER 30PB1S



SUMP PUMPS X 2



Motor: GMC, D225S, 415V/37kW/4P
Pump: VAUGHAN, VU6-290





SUNDRY ITEMS

PEDESTAL CRANE – 5T

JJ Niven, Serial #97077, DOM 1997, SWL 5Tonne



PEDESTAL CRANE – 1T

Serial #97076, DOM 1997, SWL 1 Tonne





DECOMMISSIONED WATER FILTER BANK



AIR RECEIVER

