

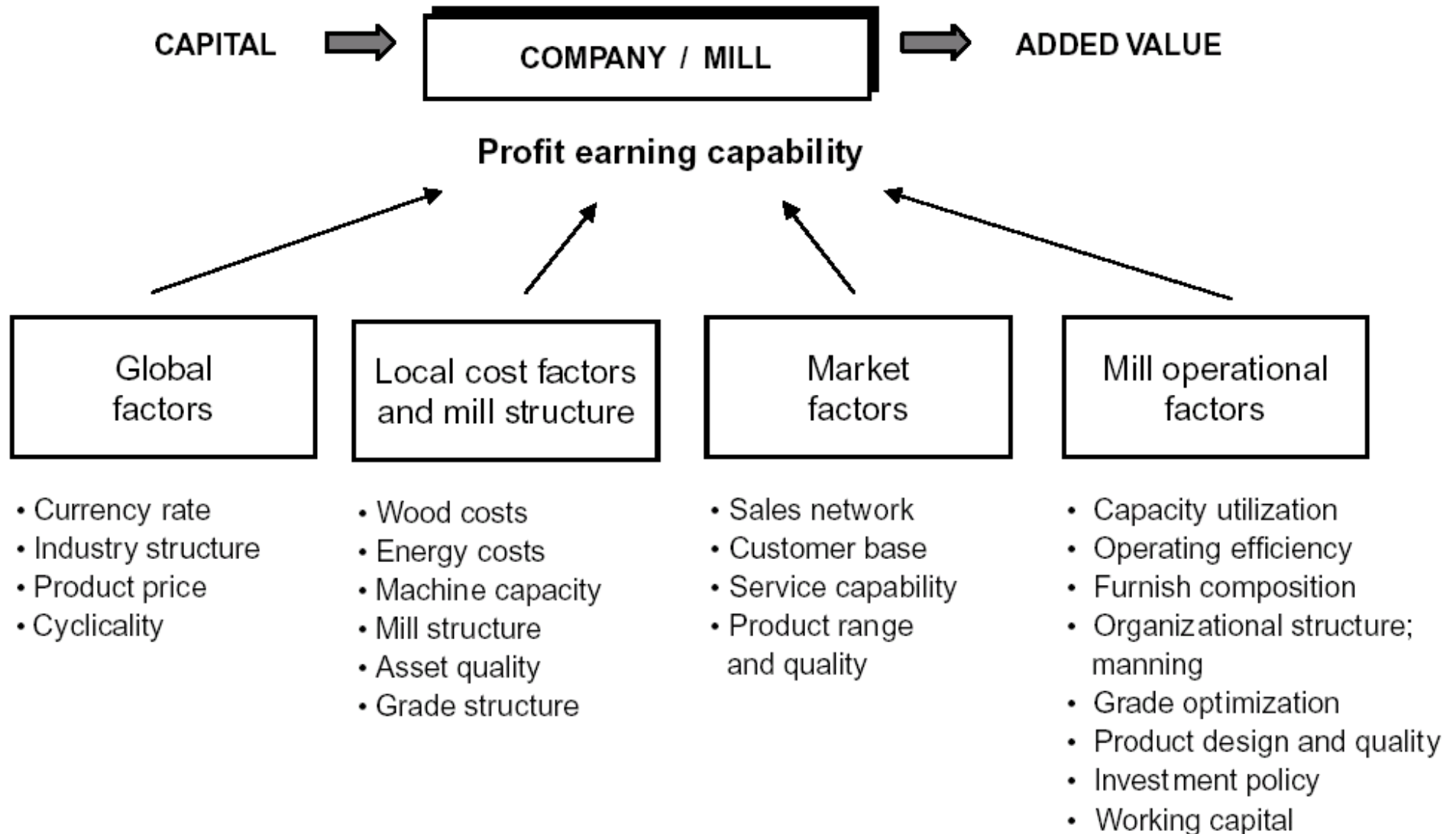
# 製漿造紙廠作業

彭元興

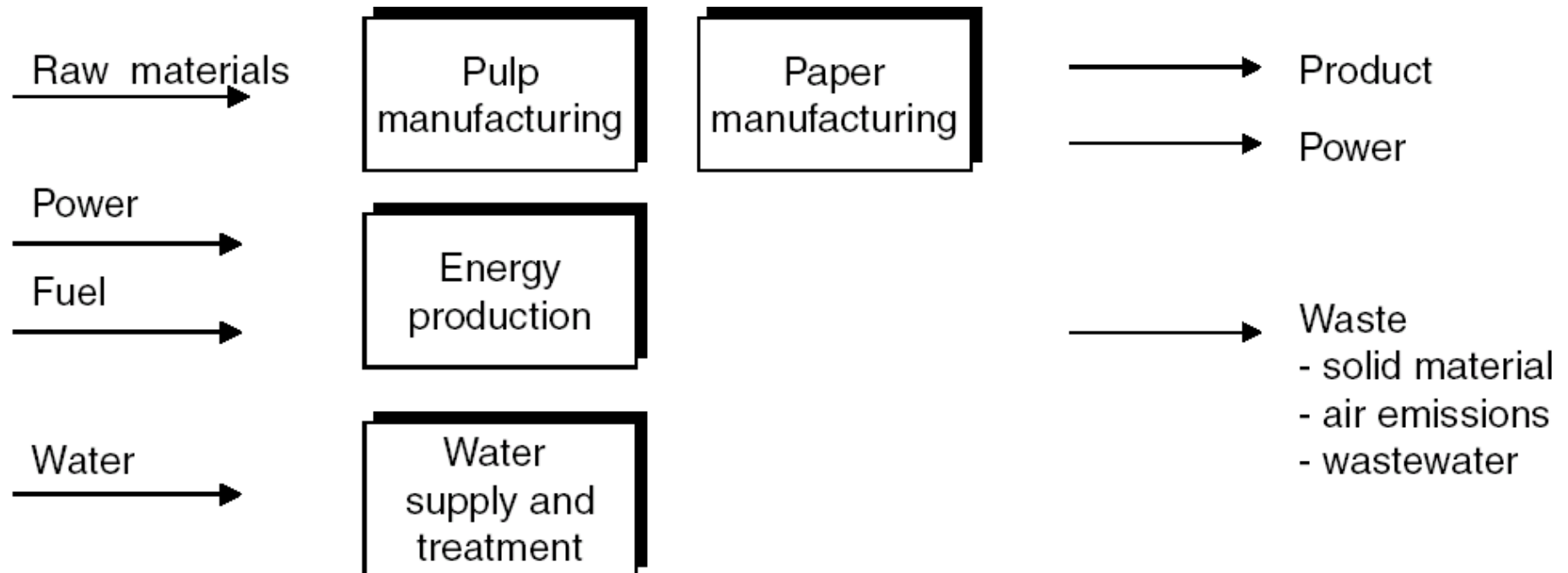
大葉大學環工系

2006年9月16日

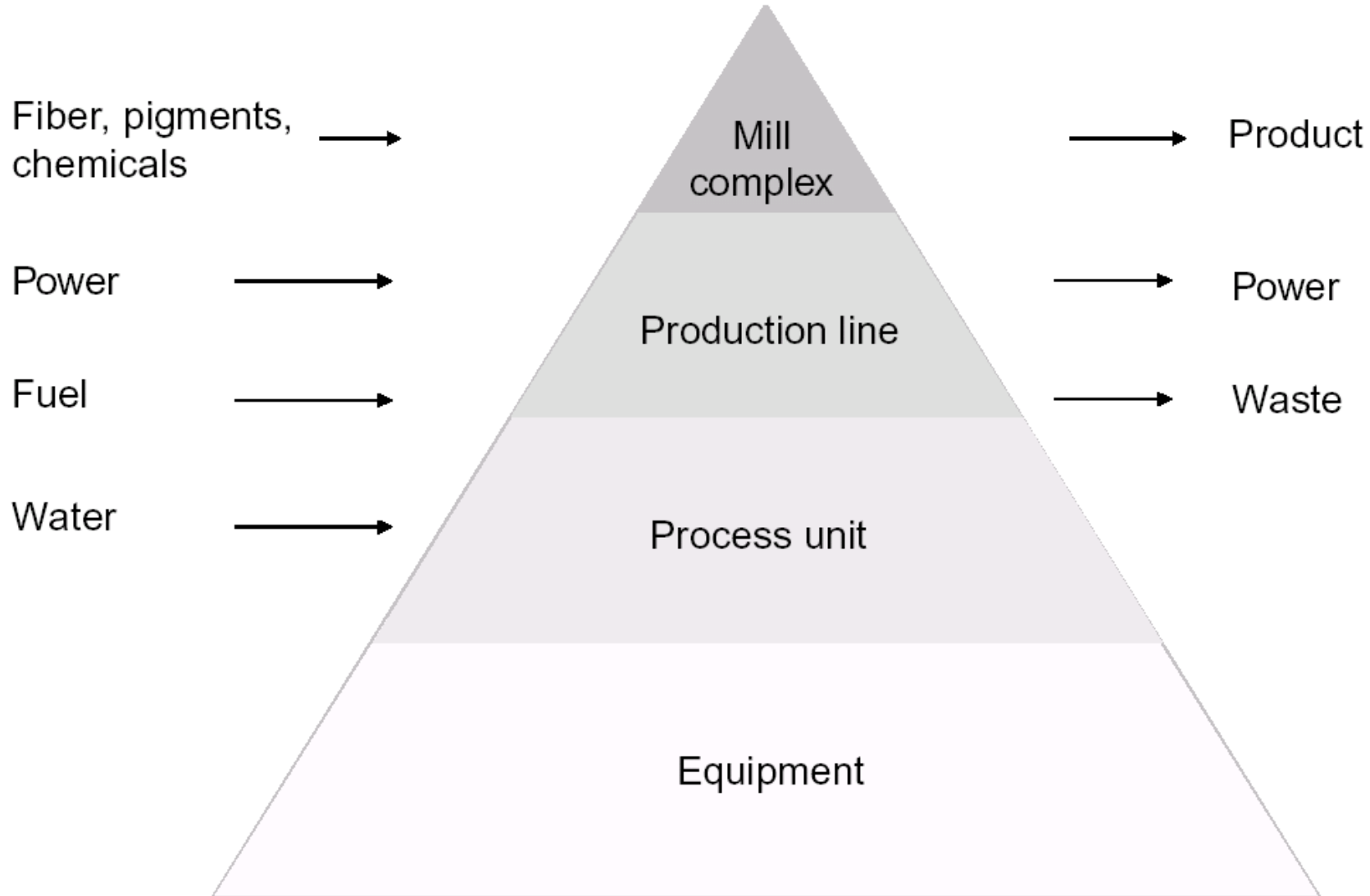
# 影響造紙廠營運的參數

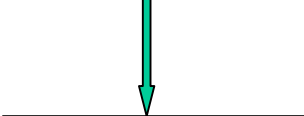


# 製漿造紙廠範圍



# 製漿造紙廠組織層系

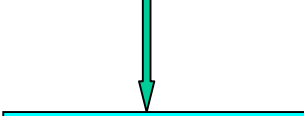




漿料備製

漿料備製系統設計實務

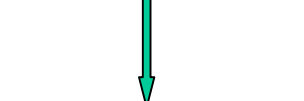
濕端化學



抄網及噴淋管設計與應用

功能性化學品

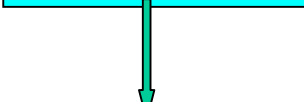
濕端操作



抄紙機系統設計實務

流程化學品

乾端操作

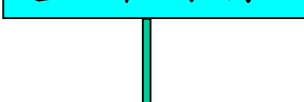


輥與包膠

白水系統

澱粉及特用化學品

塗佈作業



毛毯與帆布

無機填料及塗料

整理作業

塗佈概論

塗佈實務

紙張染色/增白及塗料調色

# 製漿造紙廠(含塗佈)

PGW; GW

TMP

DIP

PM

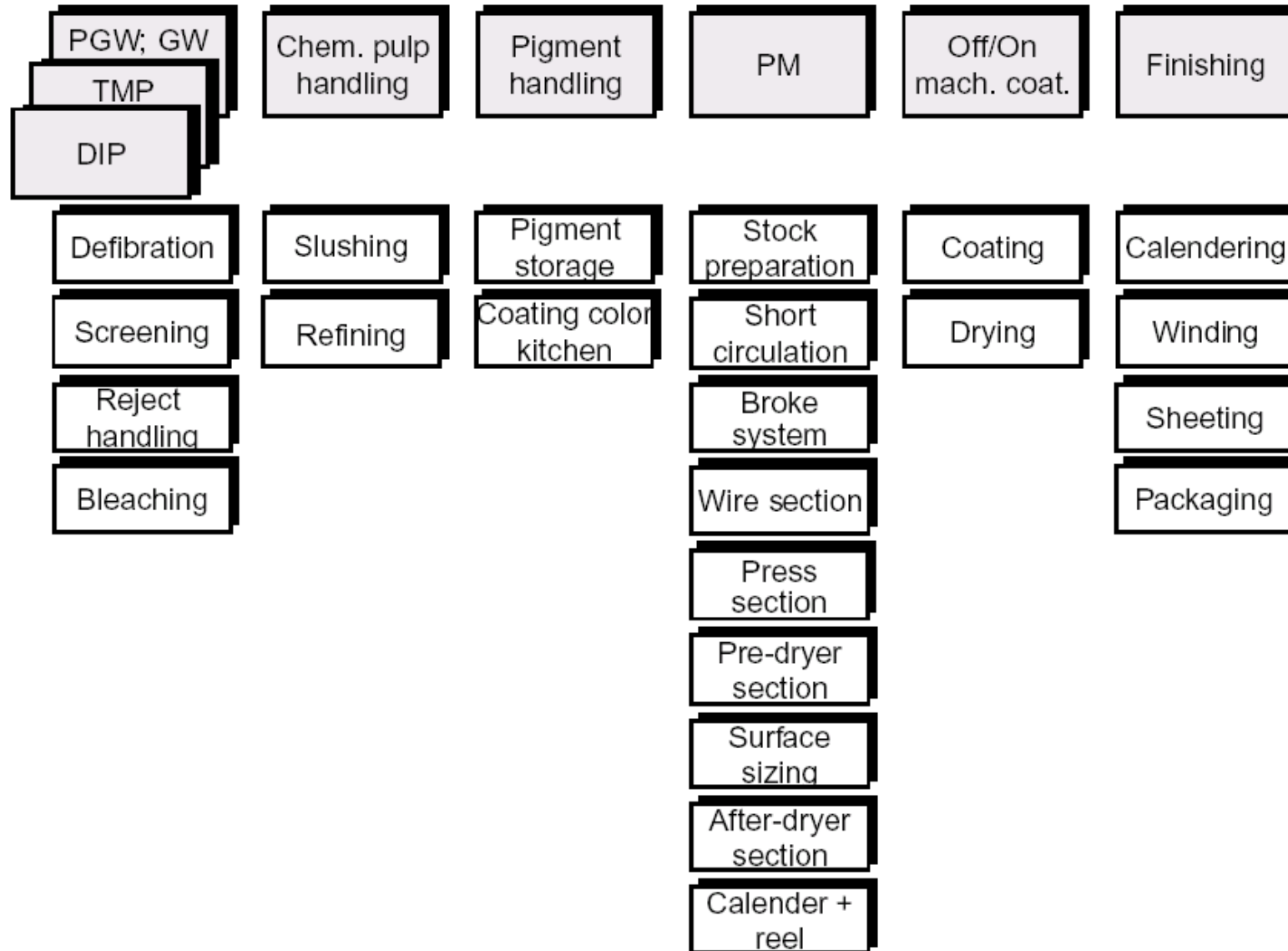
Chemical  
pulp  
handling

Coating

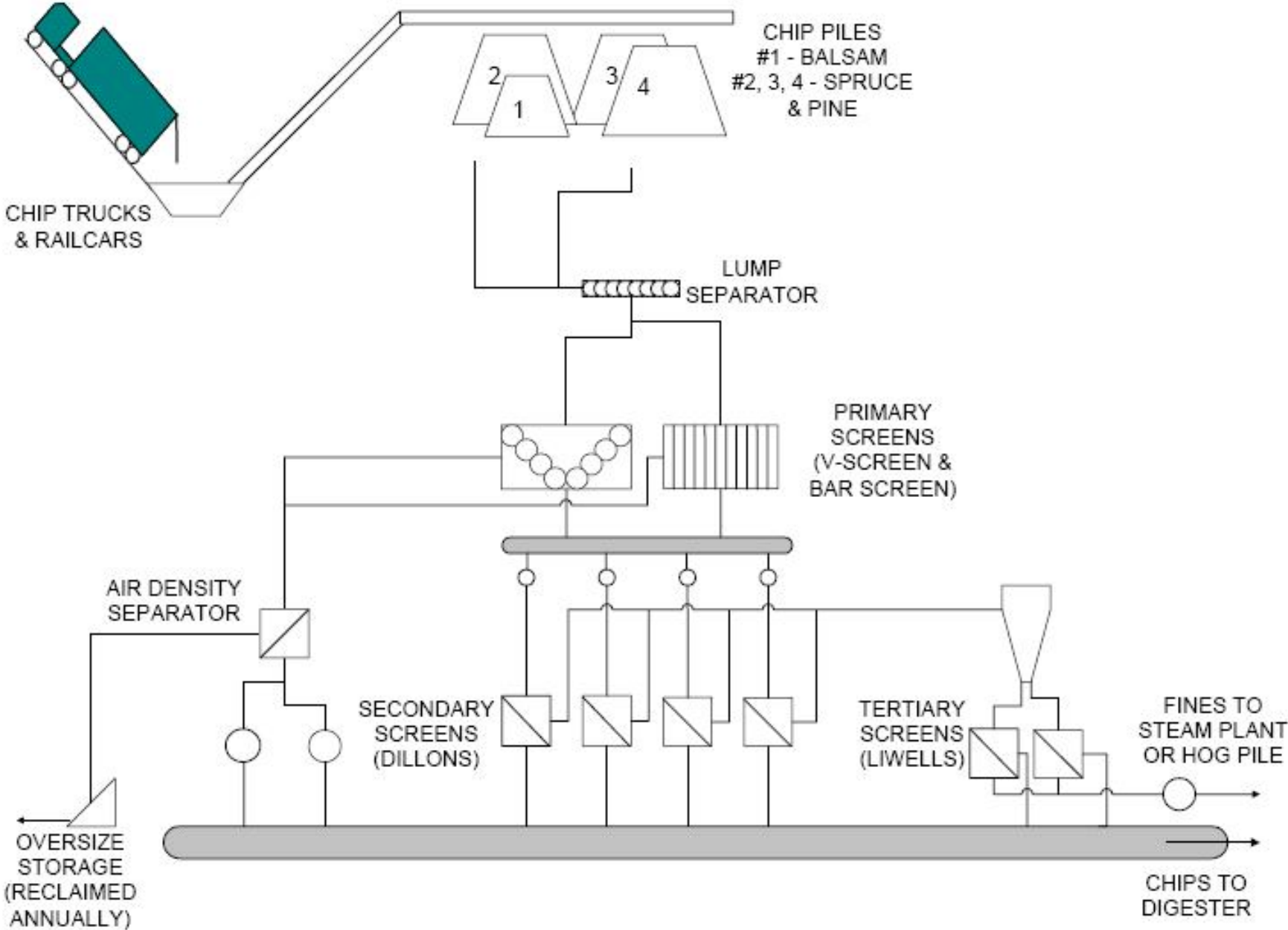
Pigment  
handling

Finishing

# 製漿造紙廠流程圖

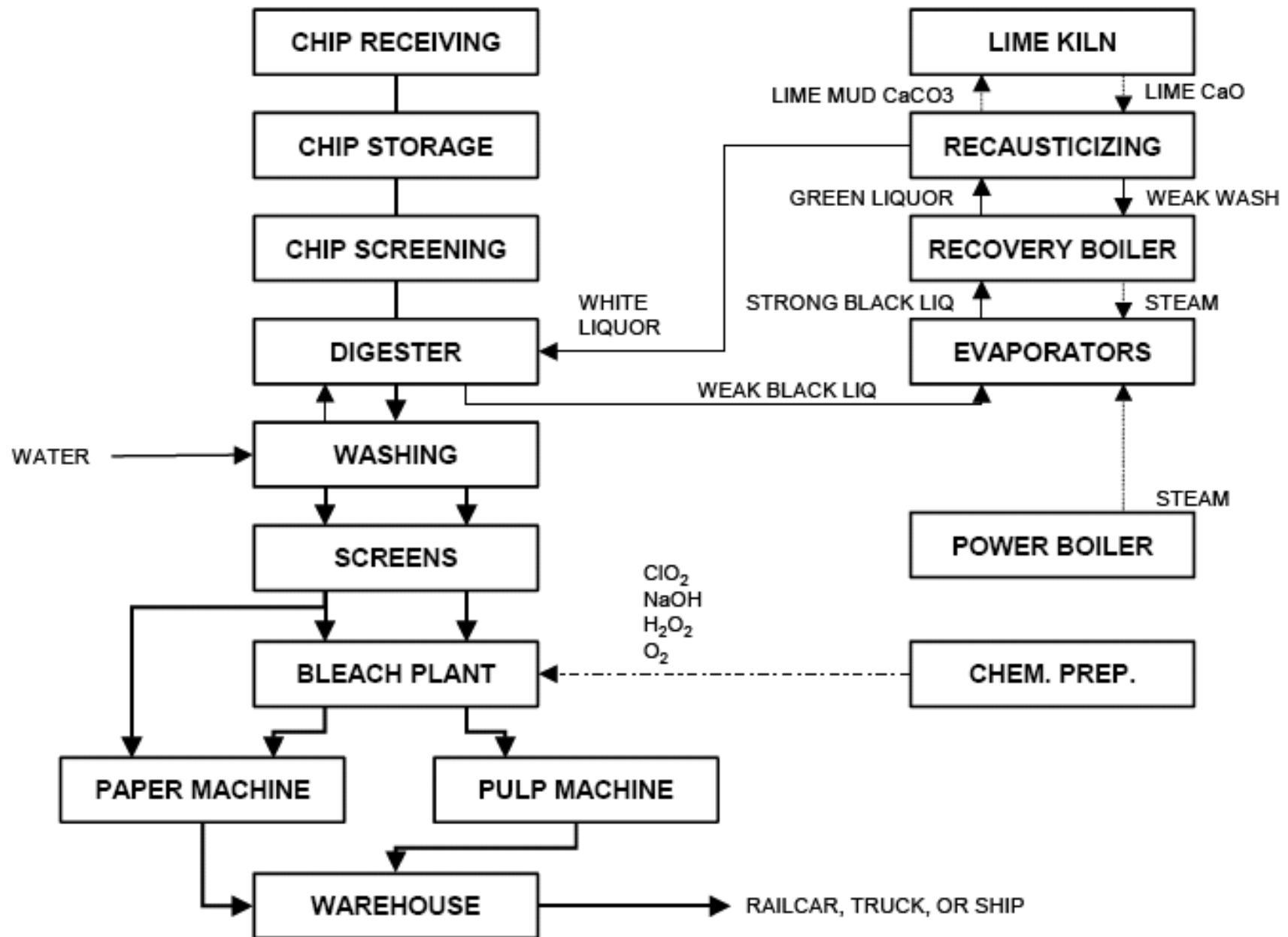


# WOOD CHIP HANDLING LAYOUT

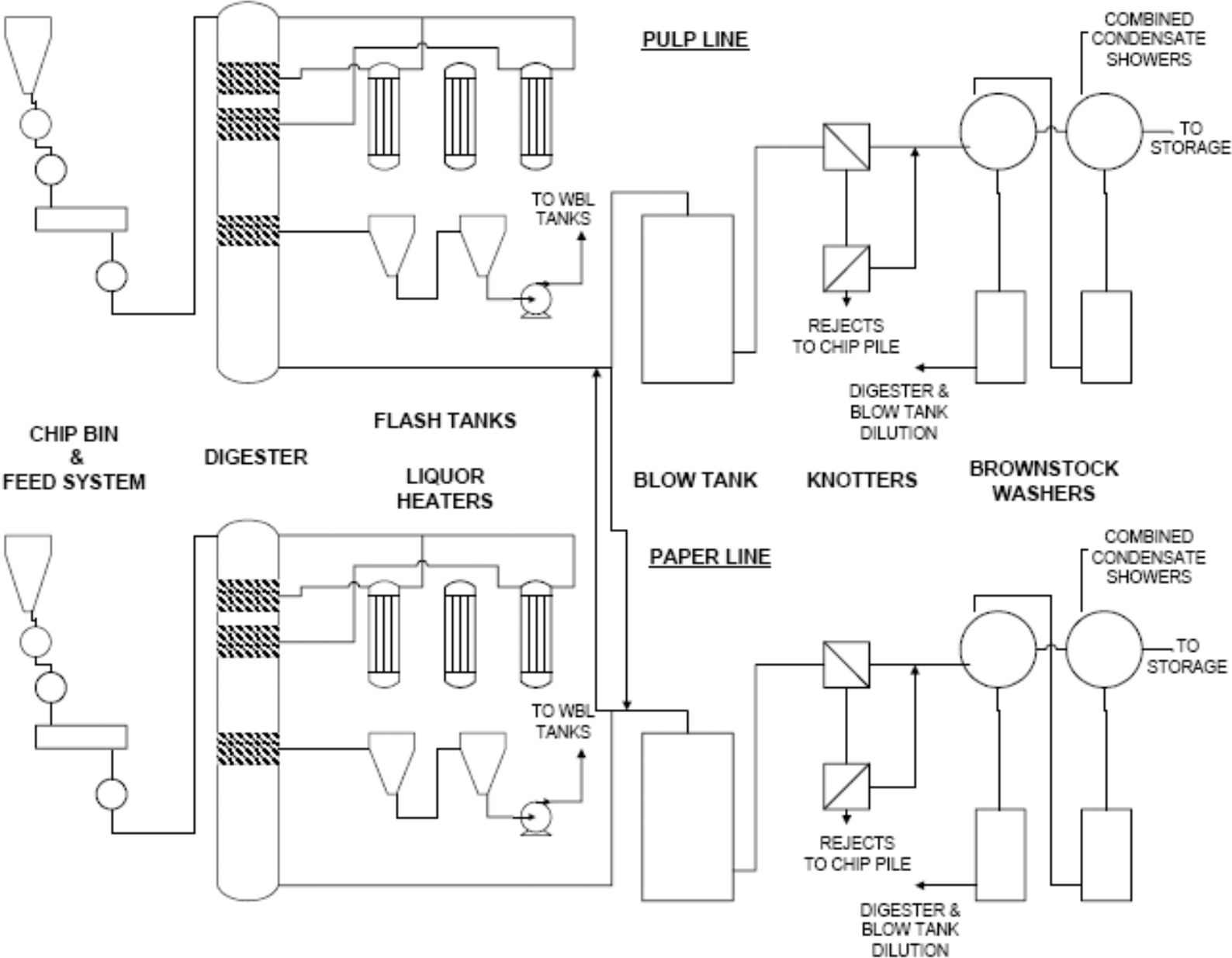




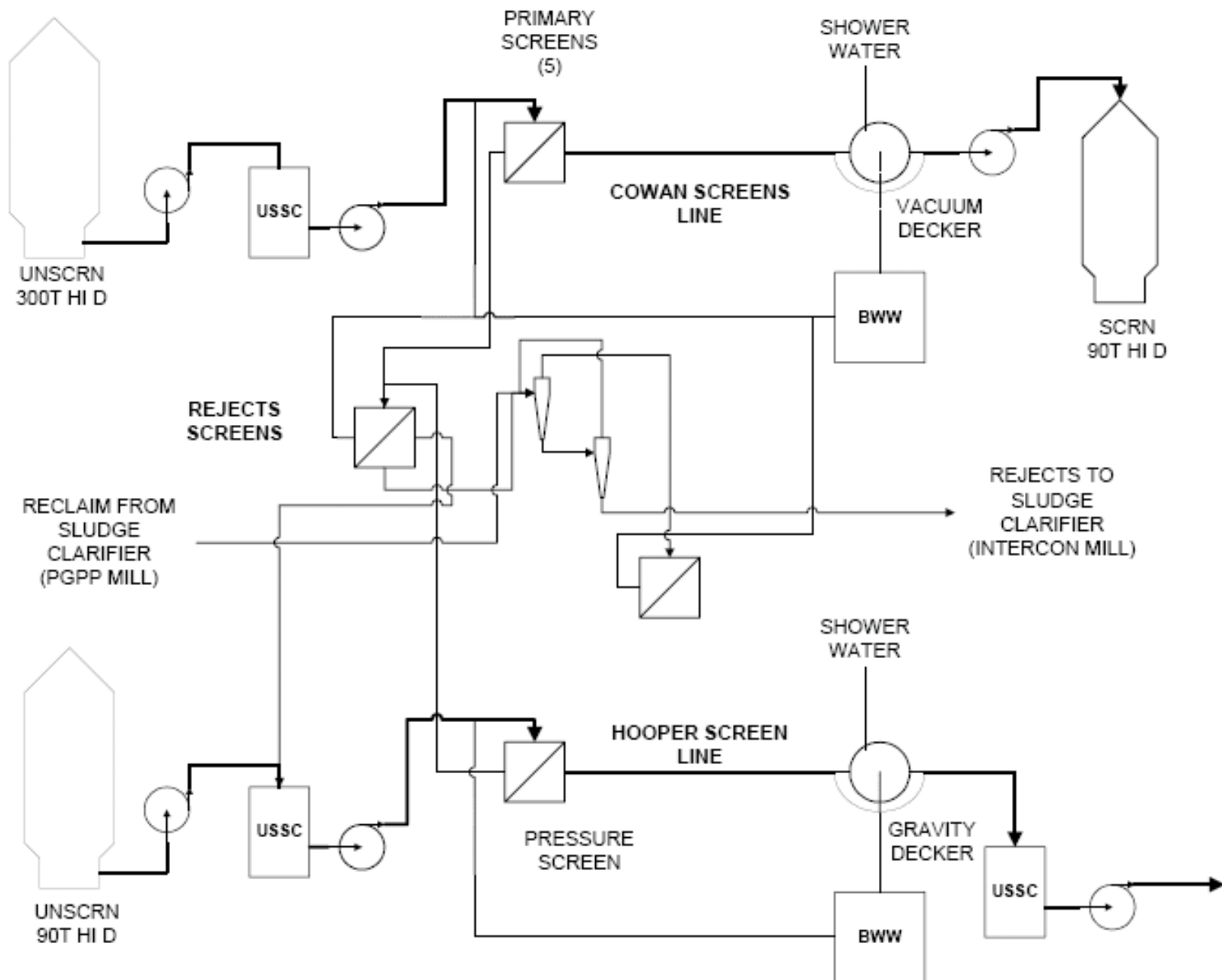
# KRAFT PROCESS LAYOUT



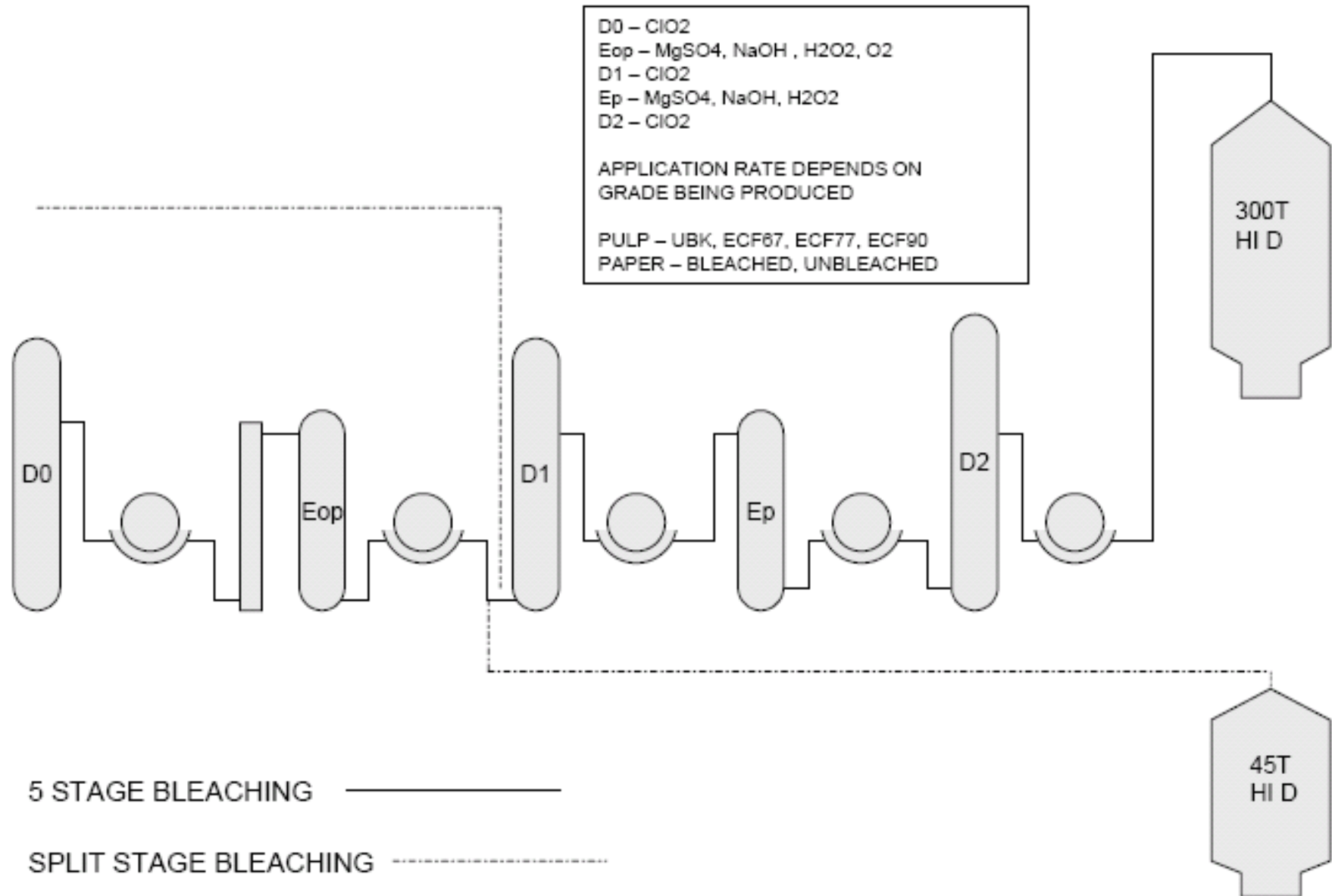
# COOKING AND WASHING LAYOUT



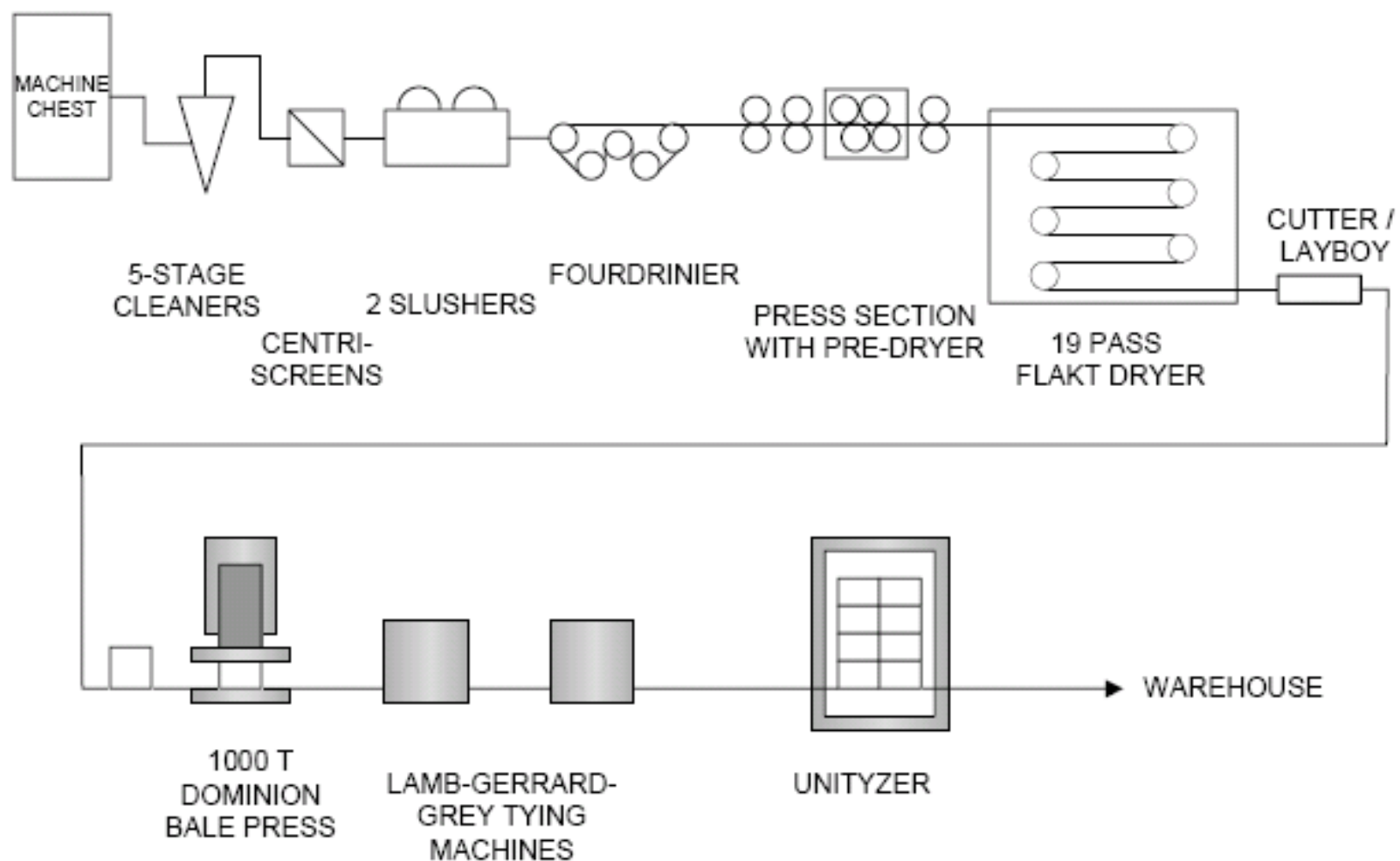
# BROWNSTOCK SCREENING LAYOUT



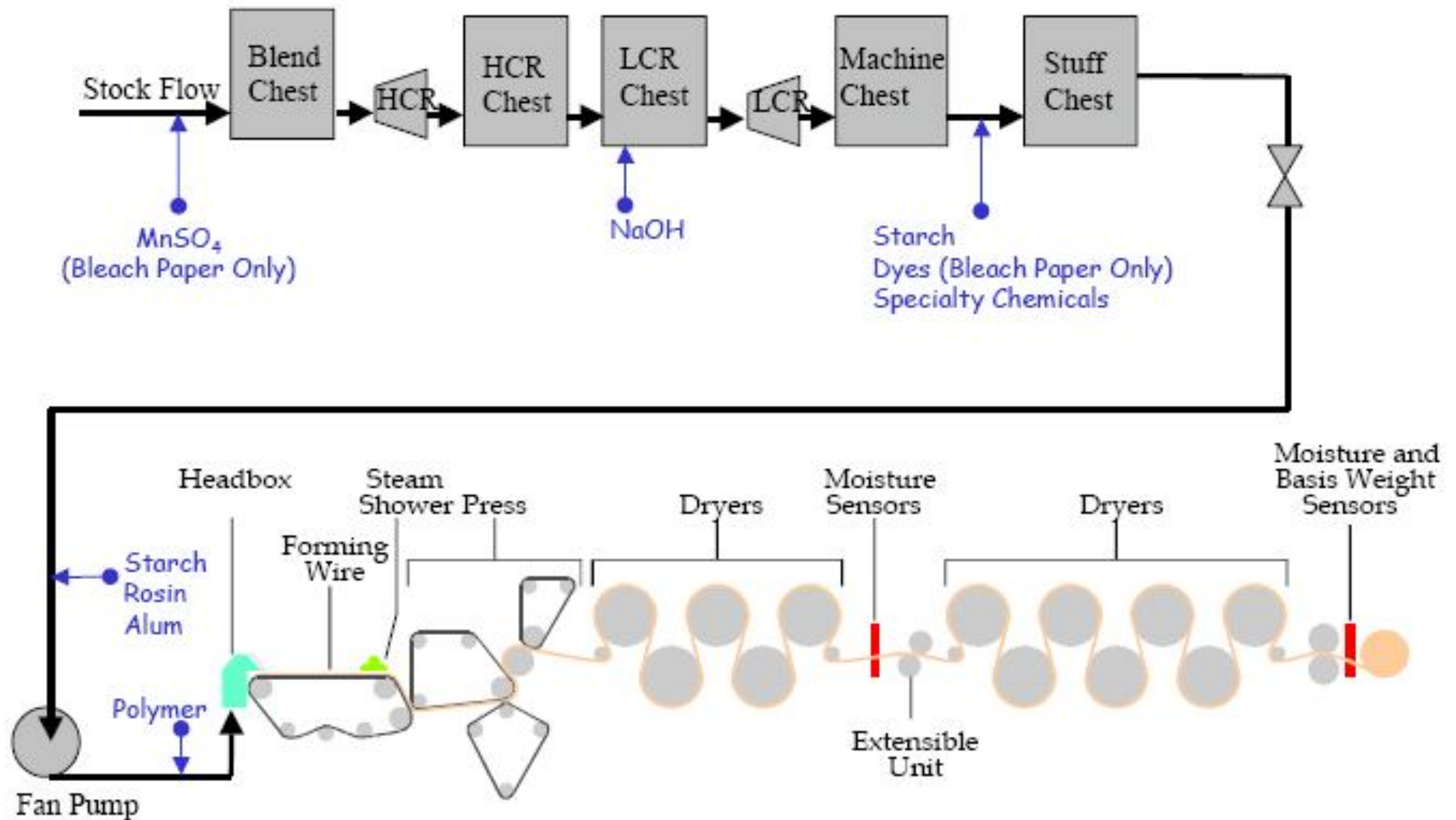
# BLEACH PLANT LAYOUT



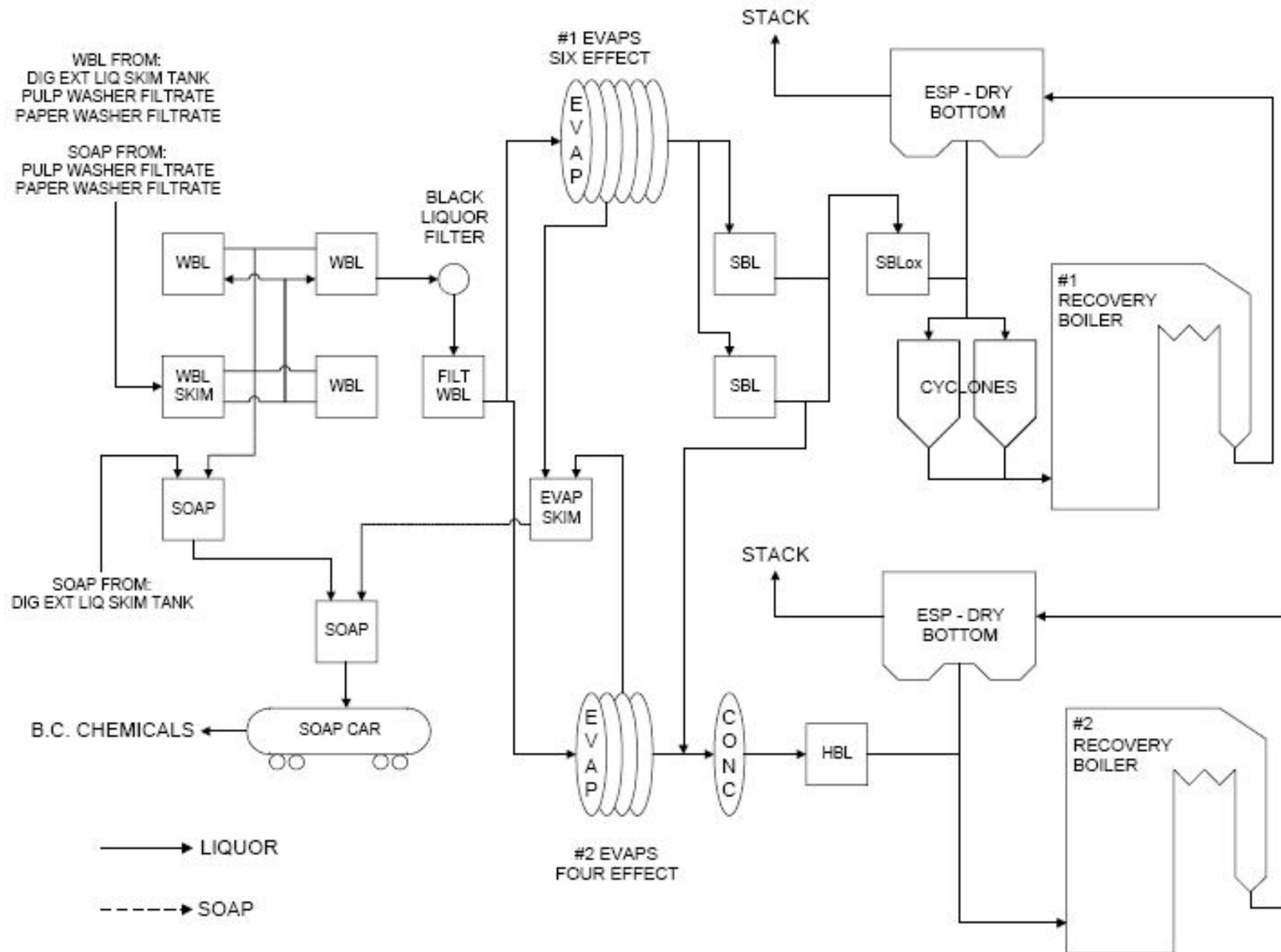
# PULP MACHINE LAYOUT



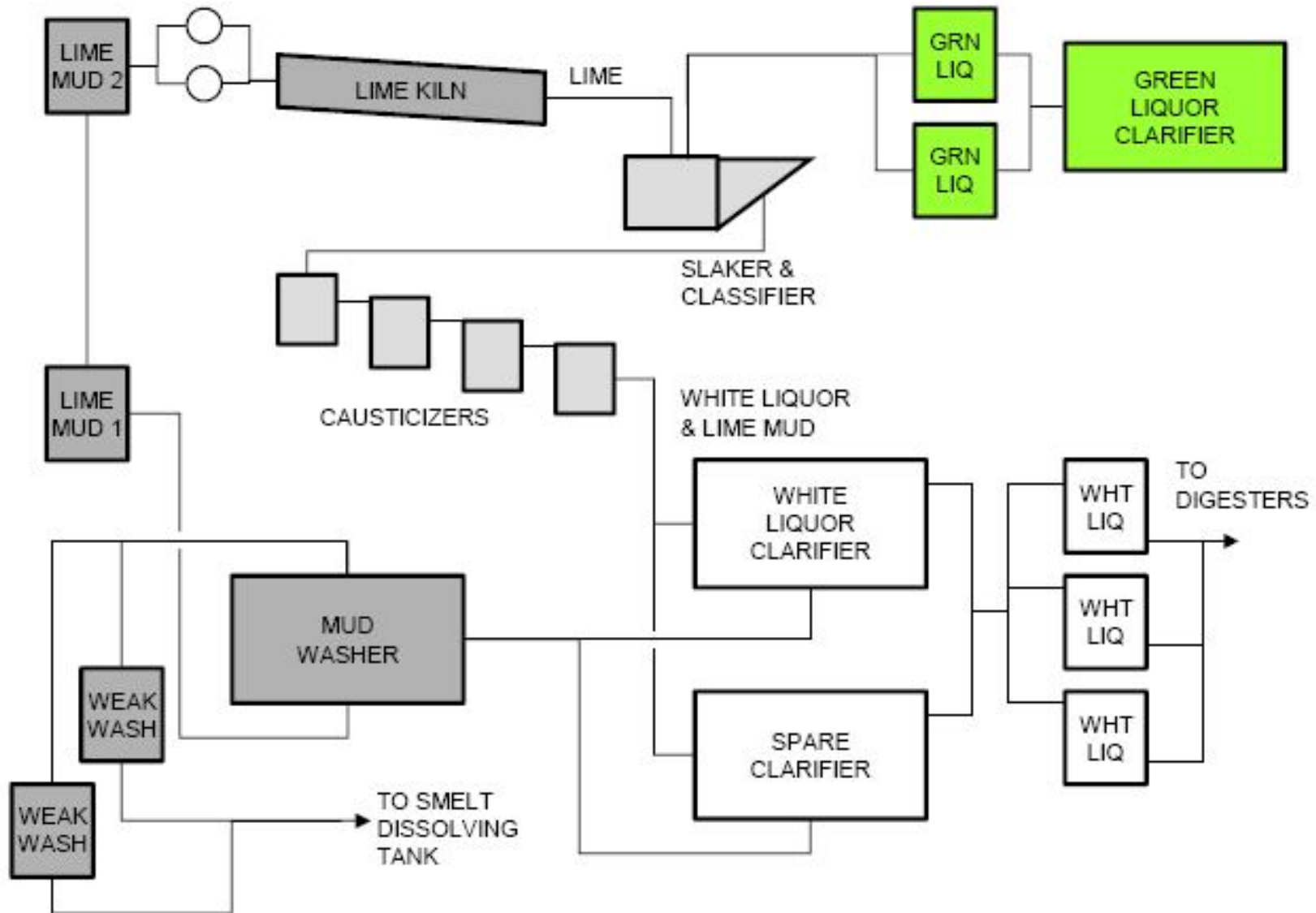
# PAPER MACHINE LAYOUT



# STEAM PLANT LAYOUT

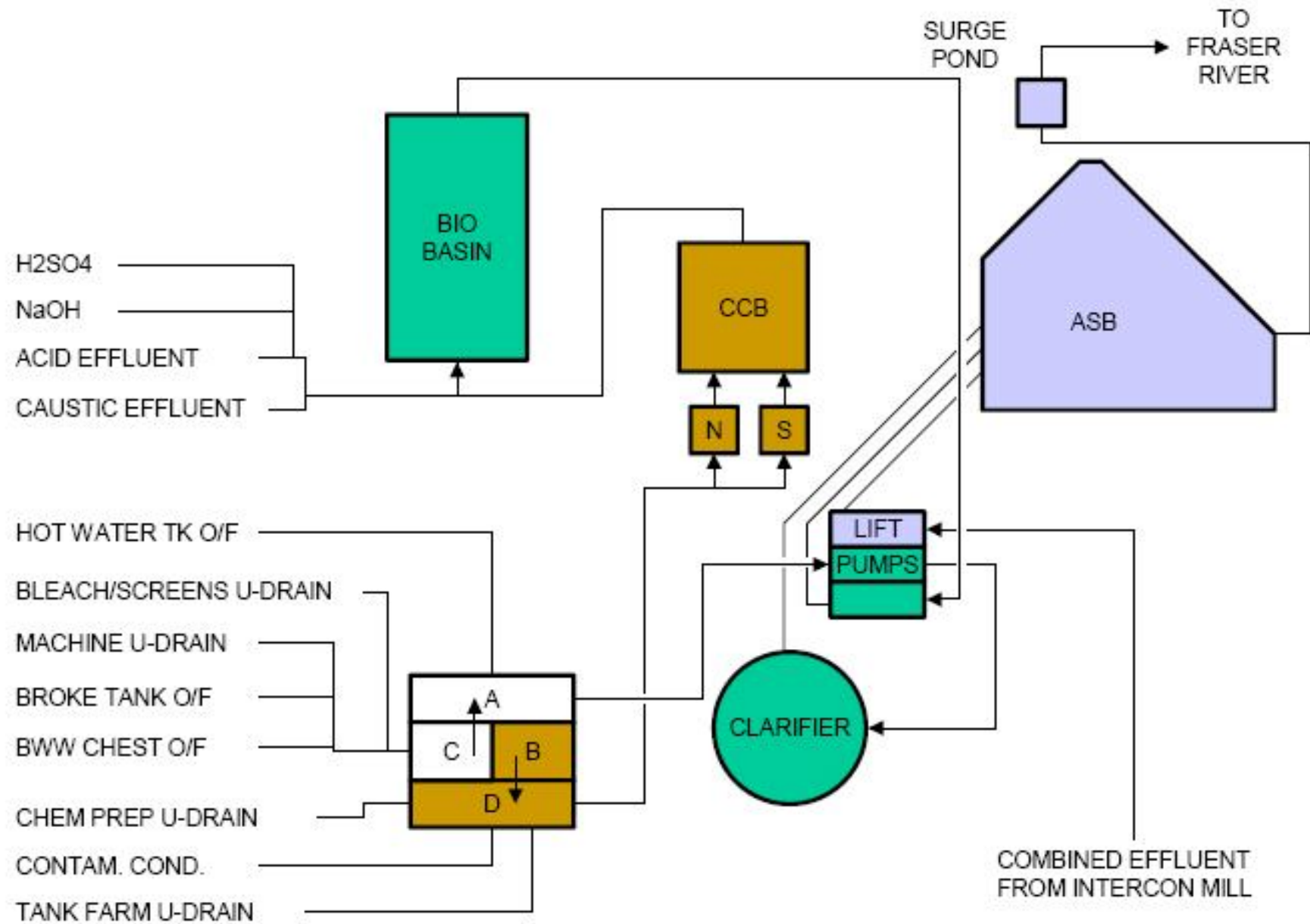


# LIME KILN & RECAUSTICIZING LAYOUT

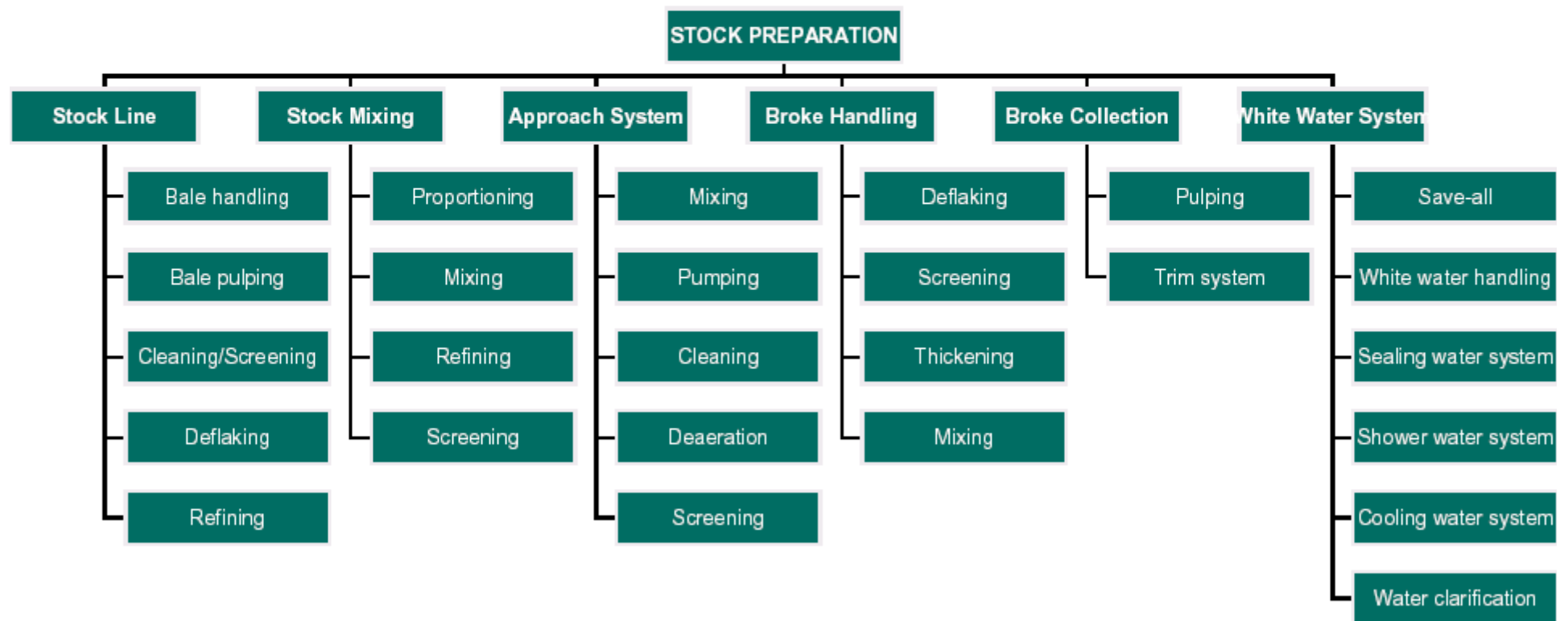




# EFFLUENT TREATMENT LAYOUT

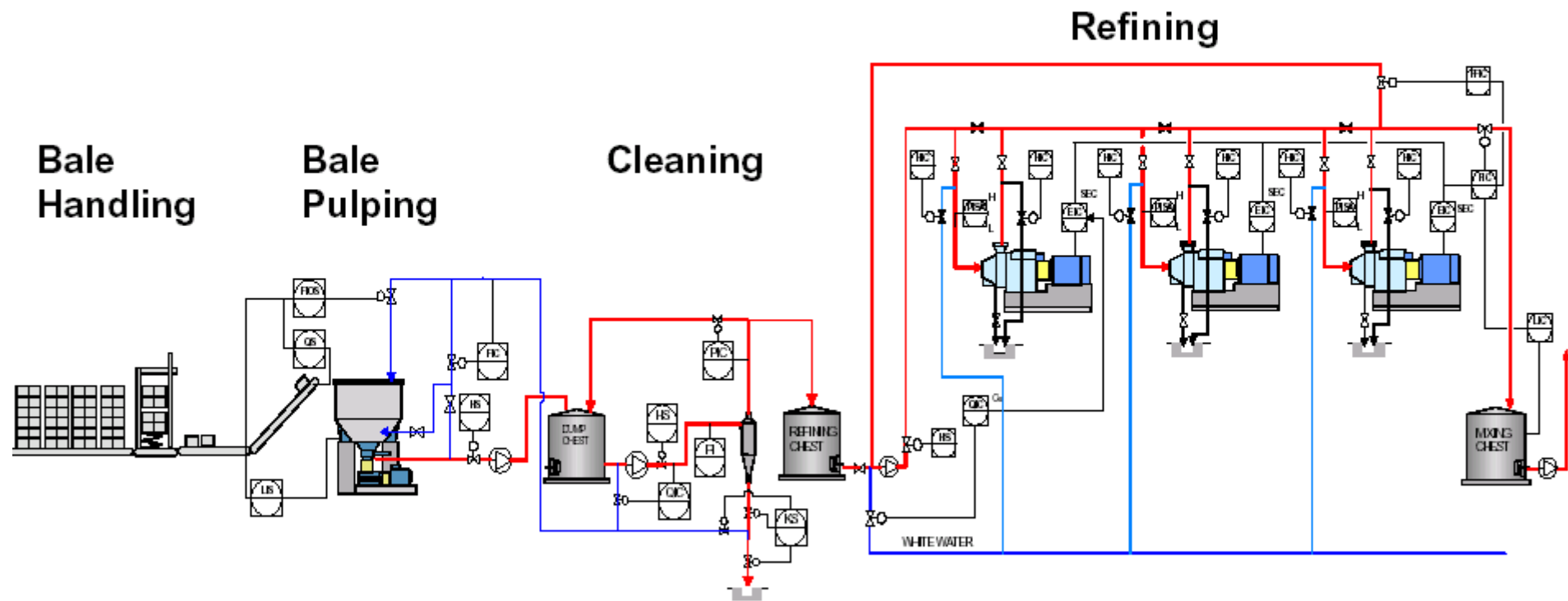


# Unit Processes in Stock Preparation



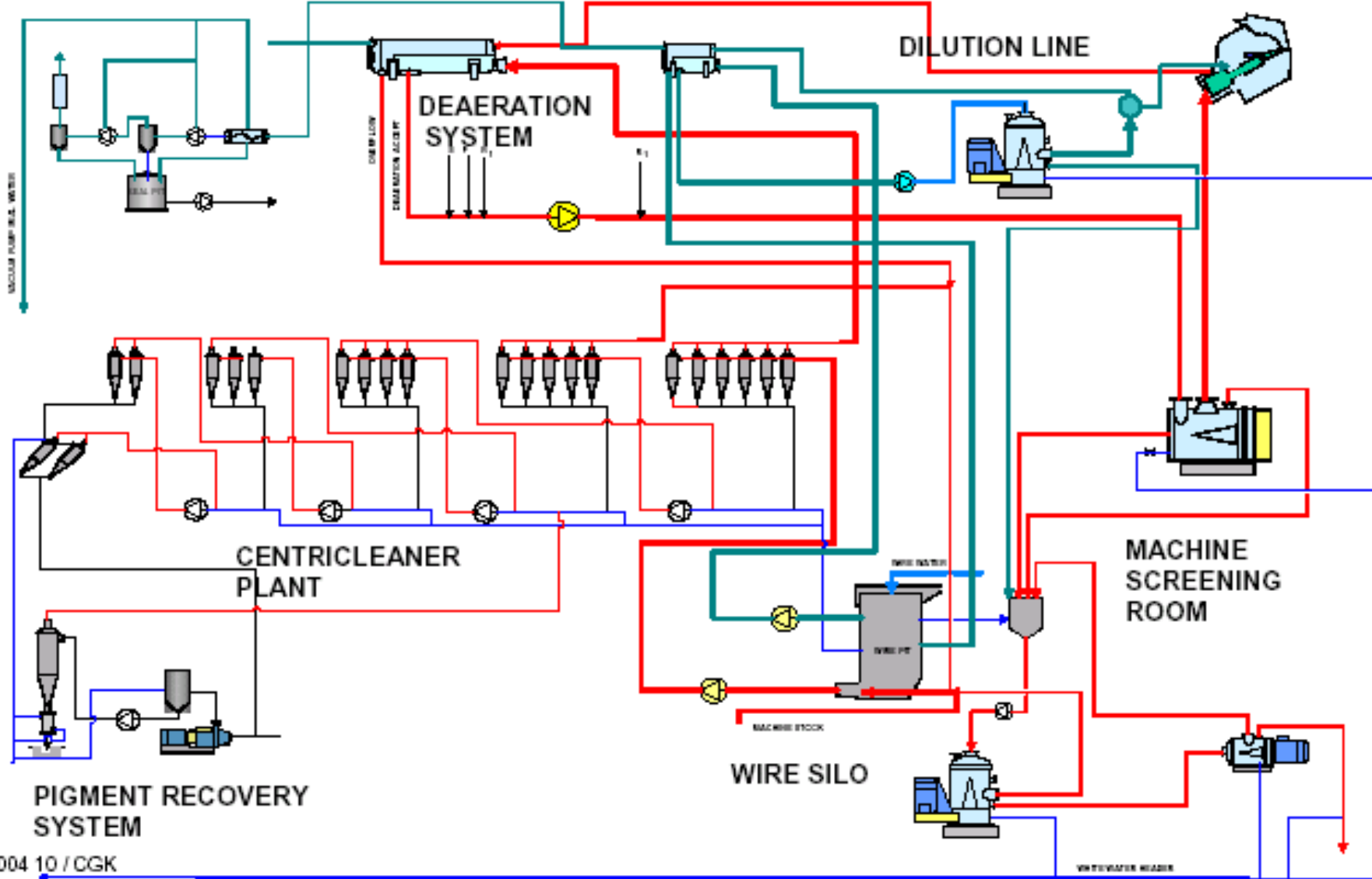
# Stock Line

Complete Stock Line for bleached sulphate pulp bales with batch pulper and refining



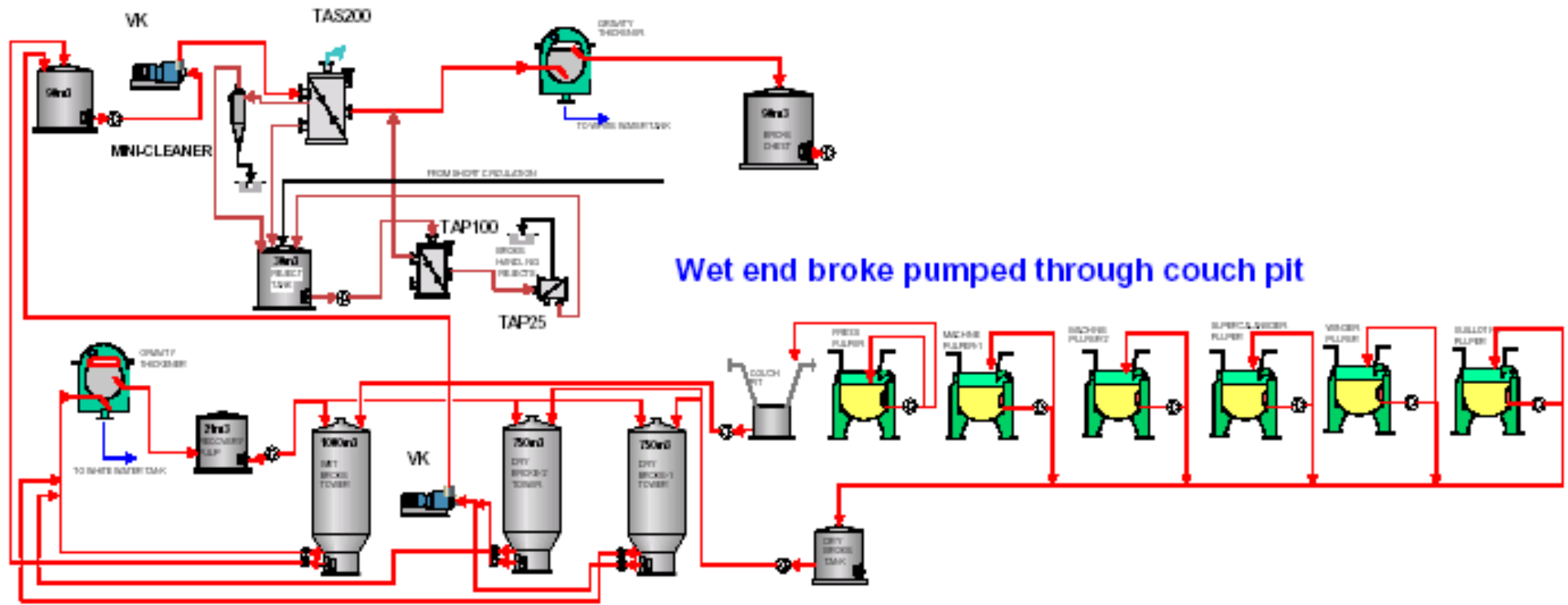
# Approach System

Typical approach system for modern paper machine



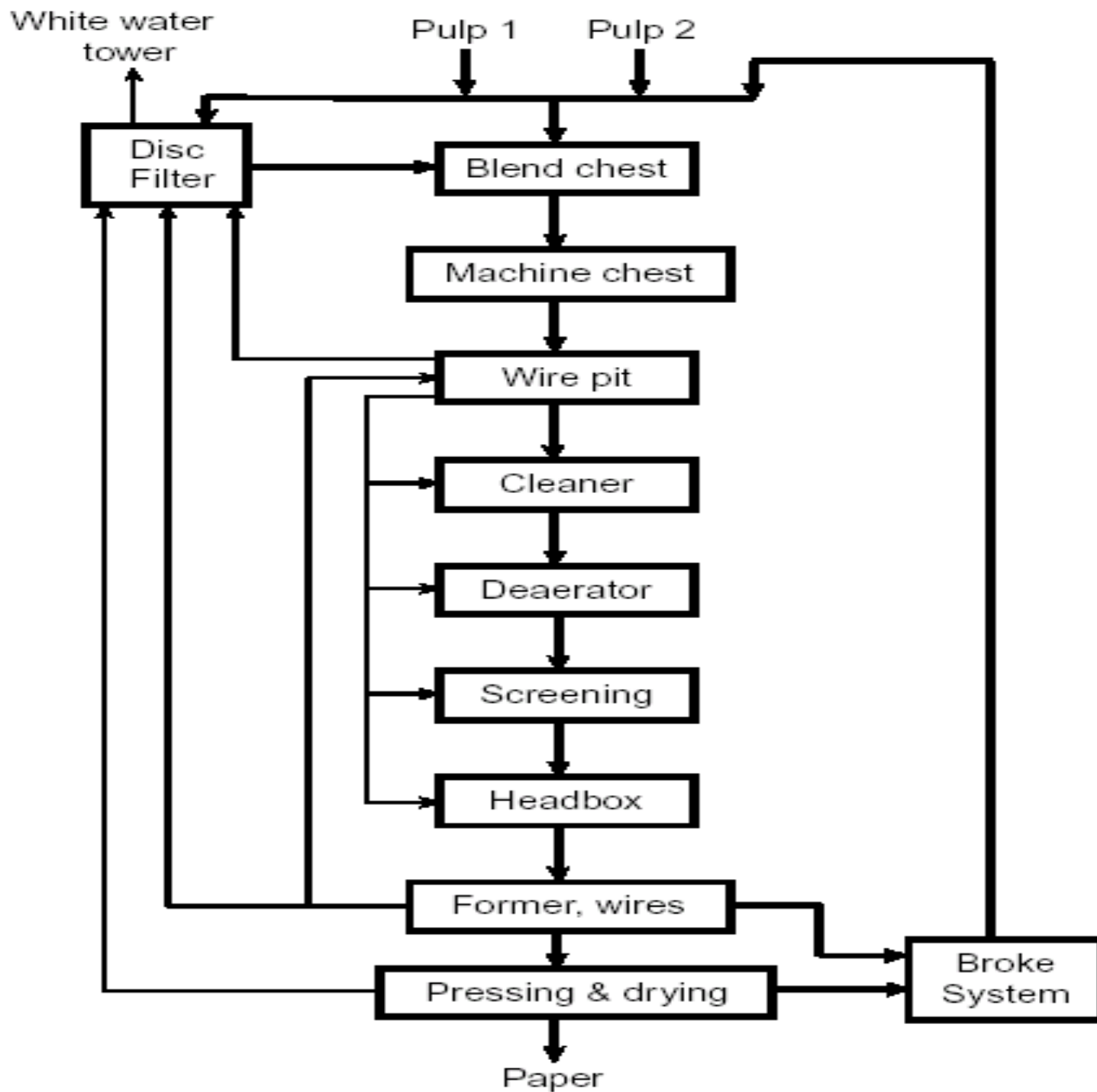
# Broke Collection

Typical broke collection & handling for specialty paper

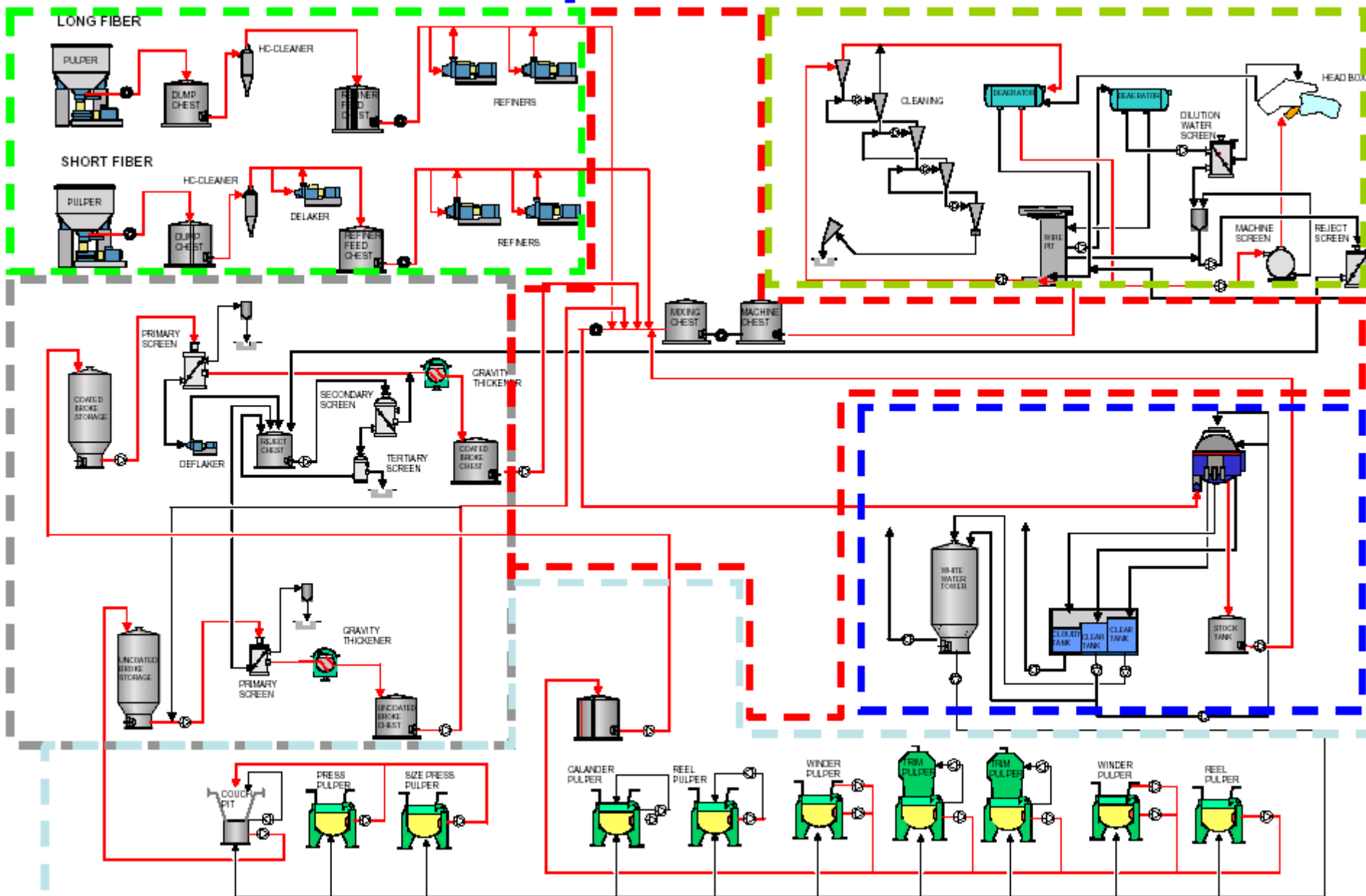


Wet end broke pumped through couch pit

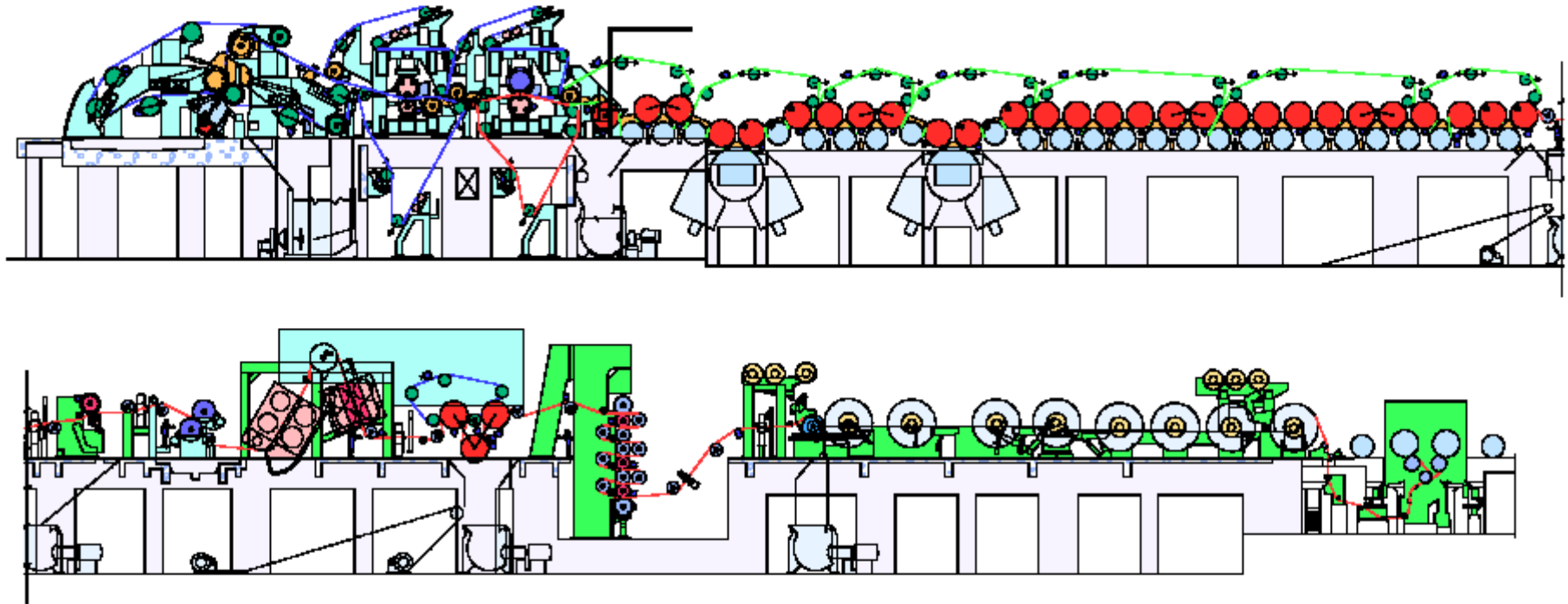
Dry end broke pumped from chest



# Coated Fine Paper

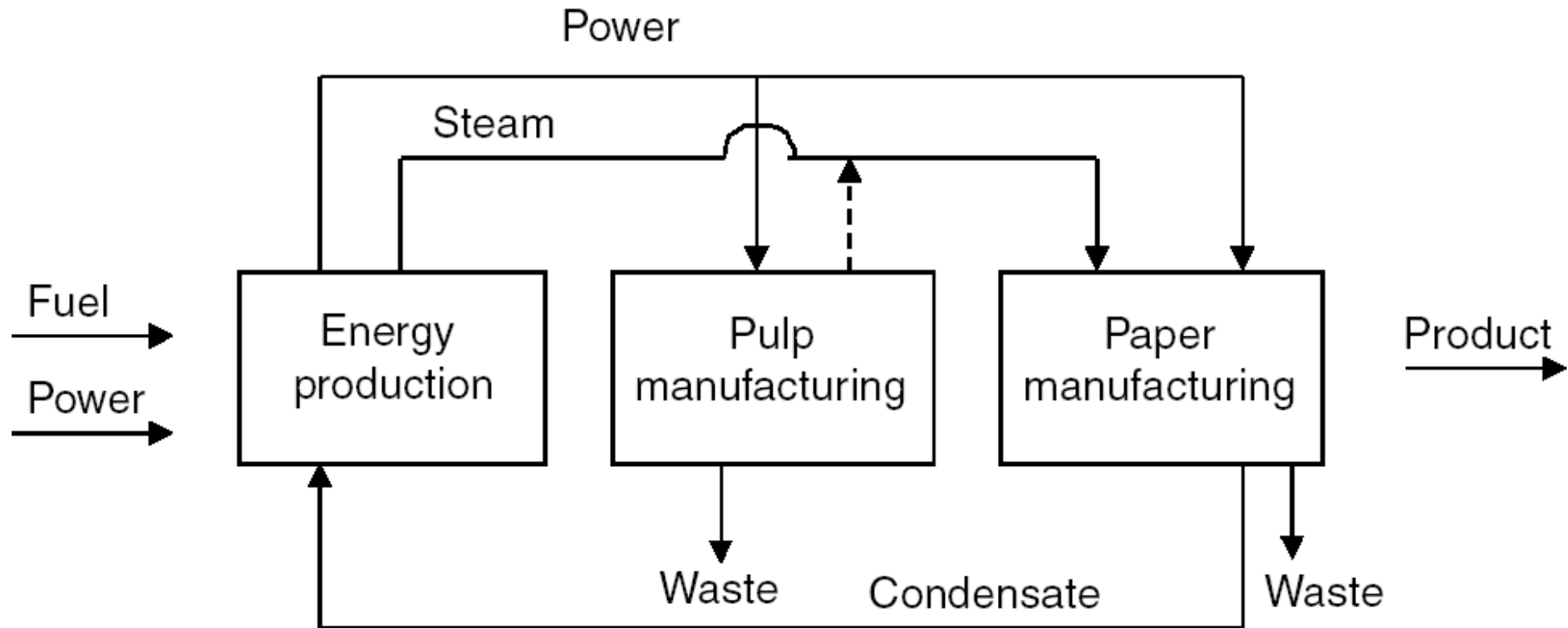


# 典型LWC抄紙機示意圖

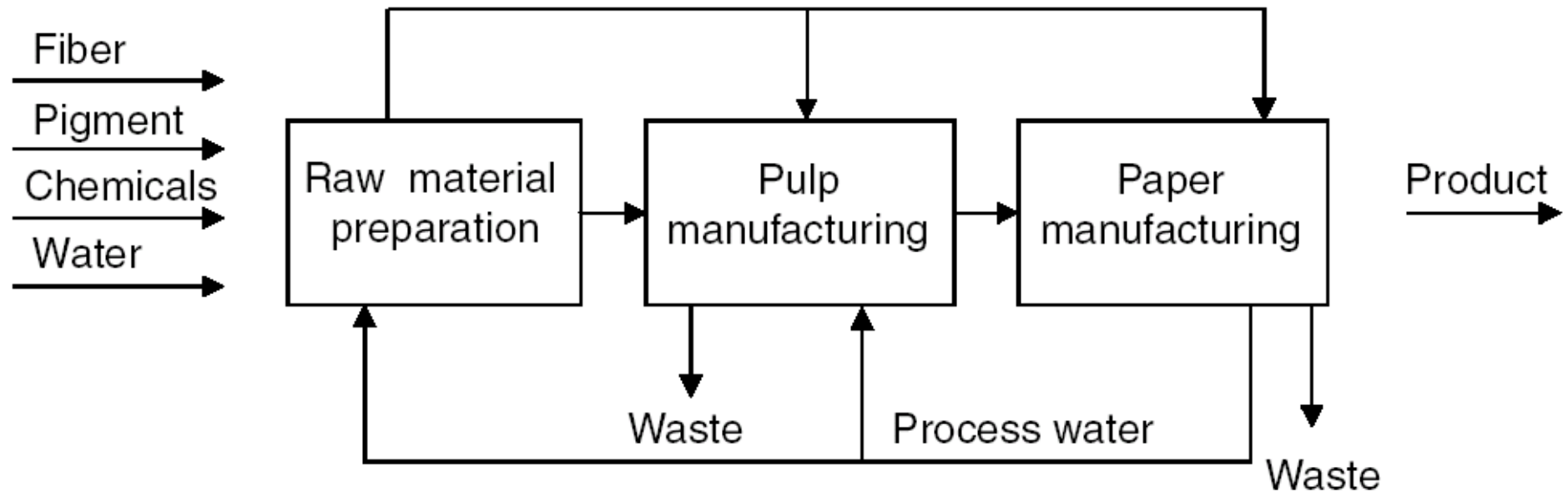




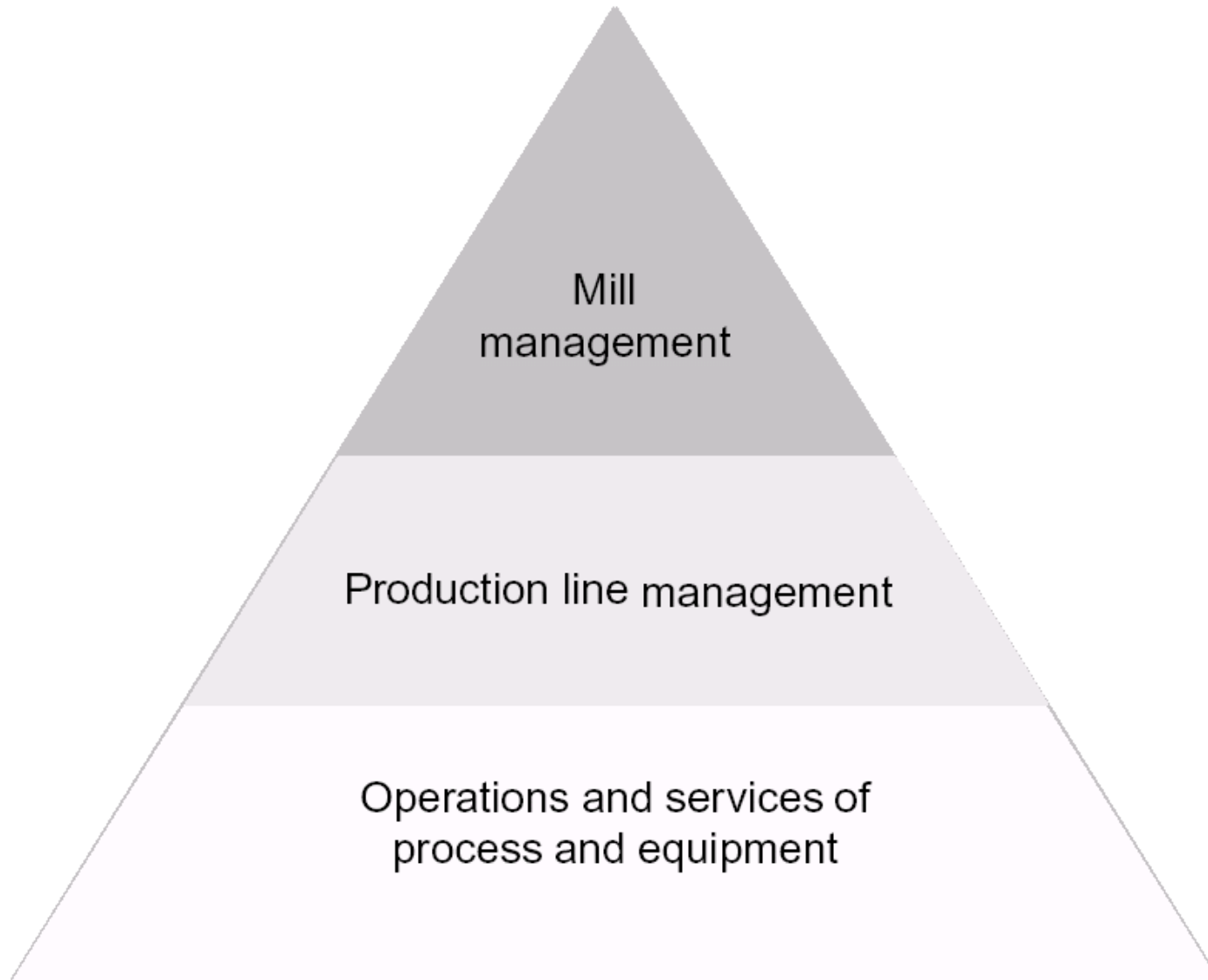
# 製漿造紙廠能源供應系統



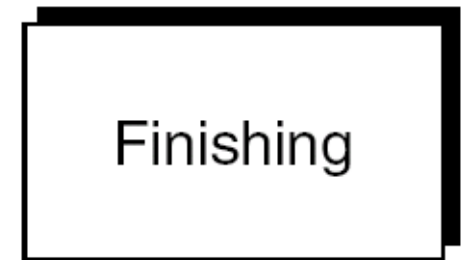
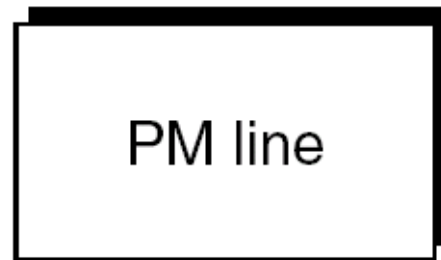
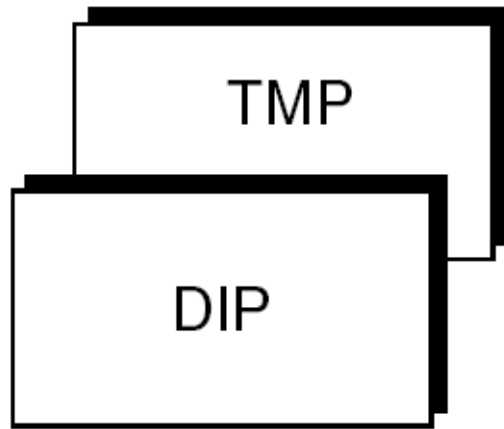
# 製漿造紙廠水系統圖



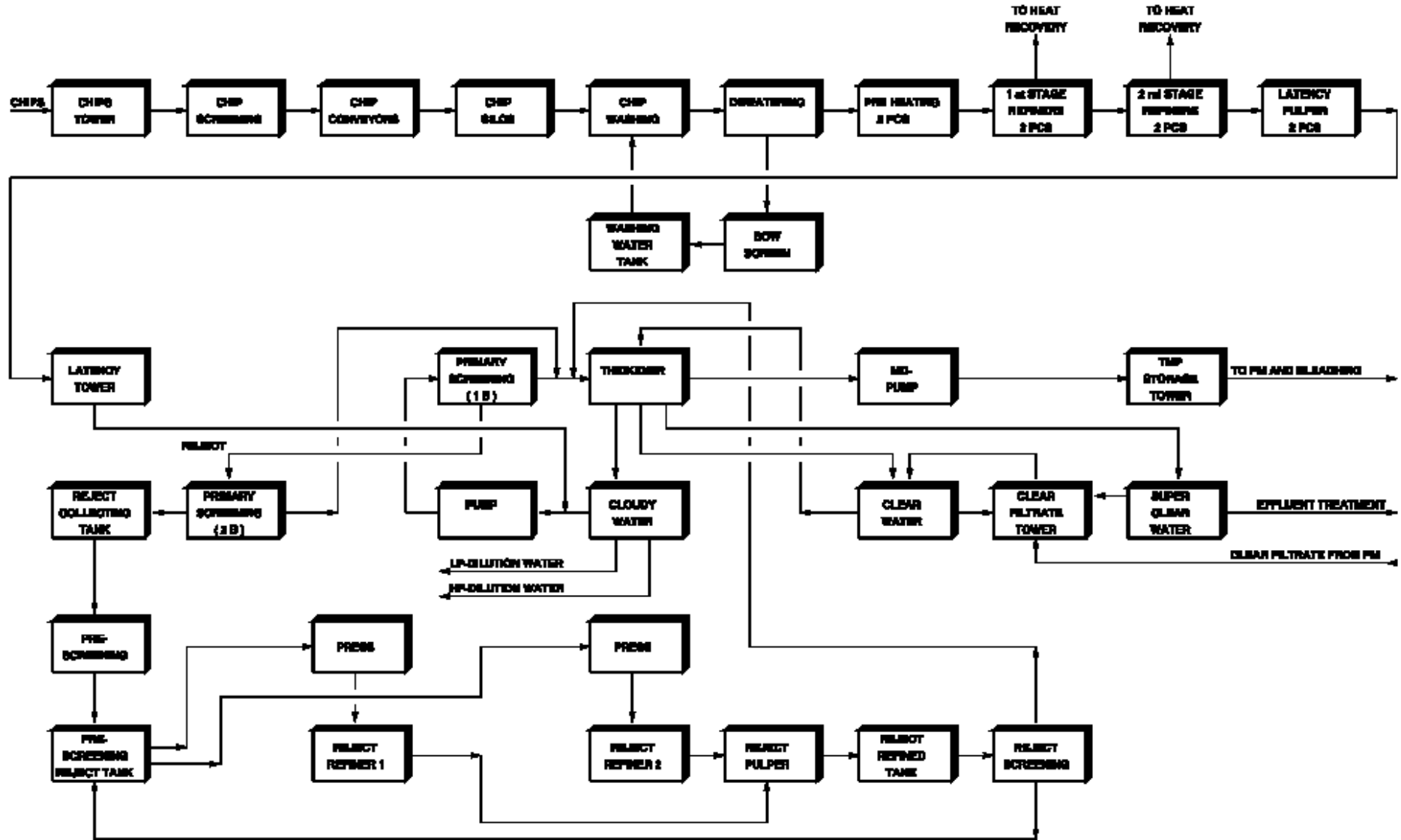
# 製漿造紙廠組織圖



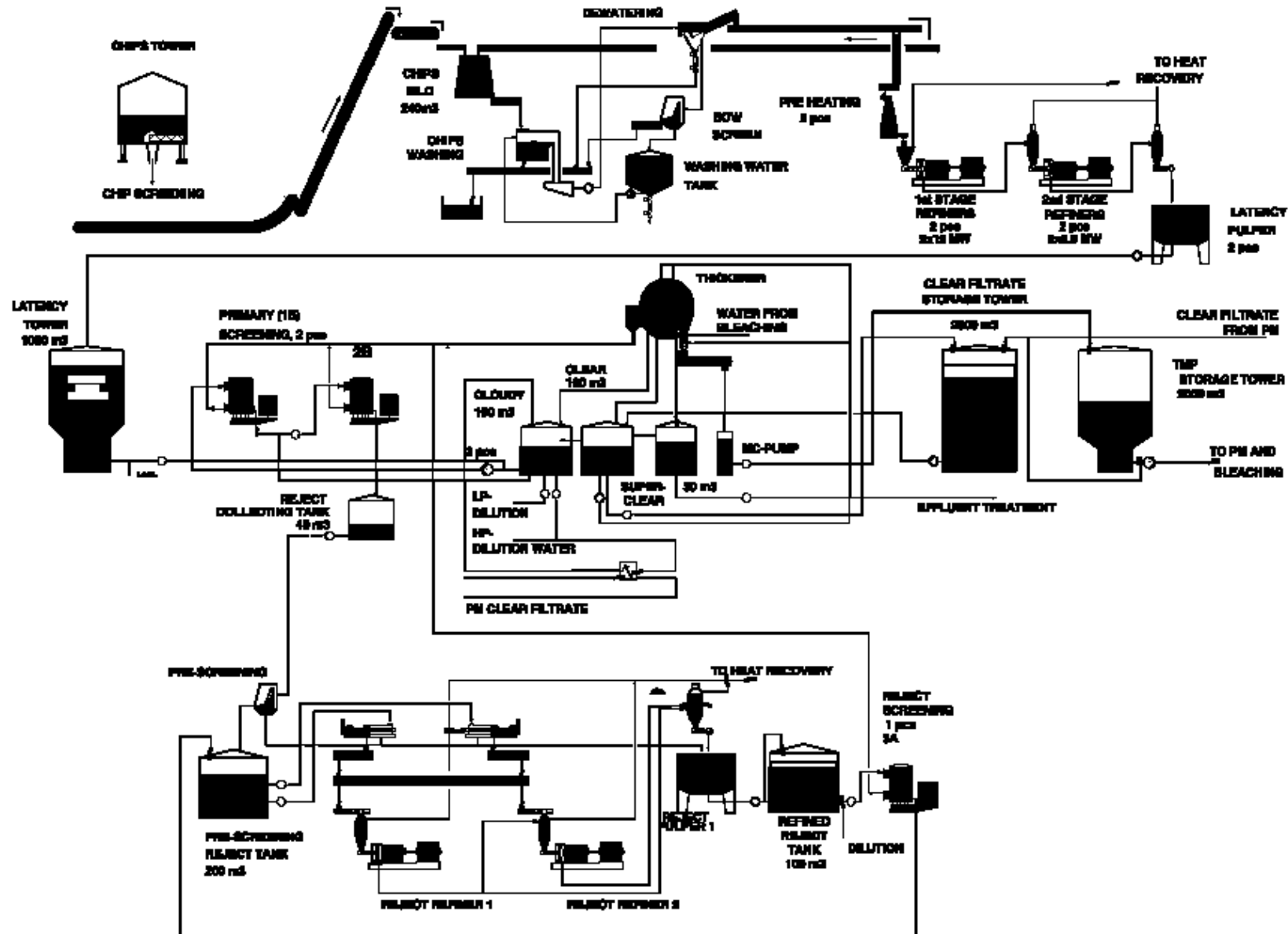
# 新聞紙廠



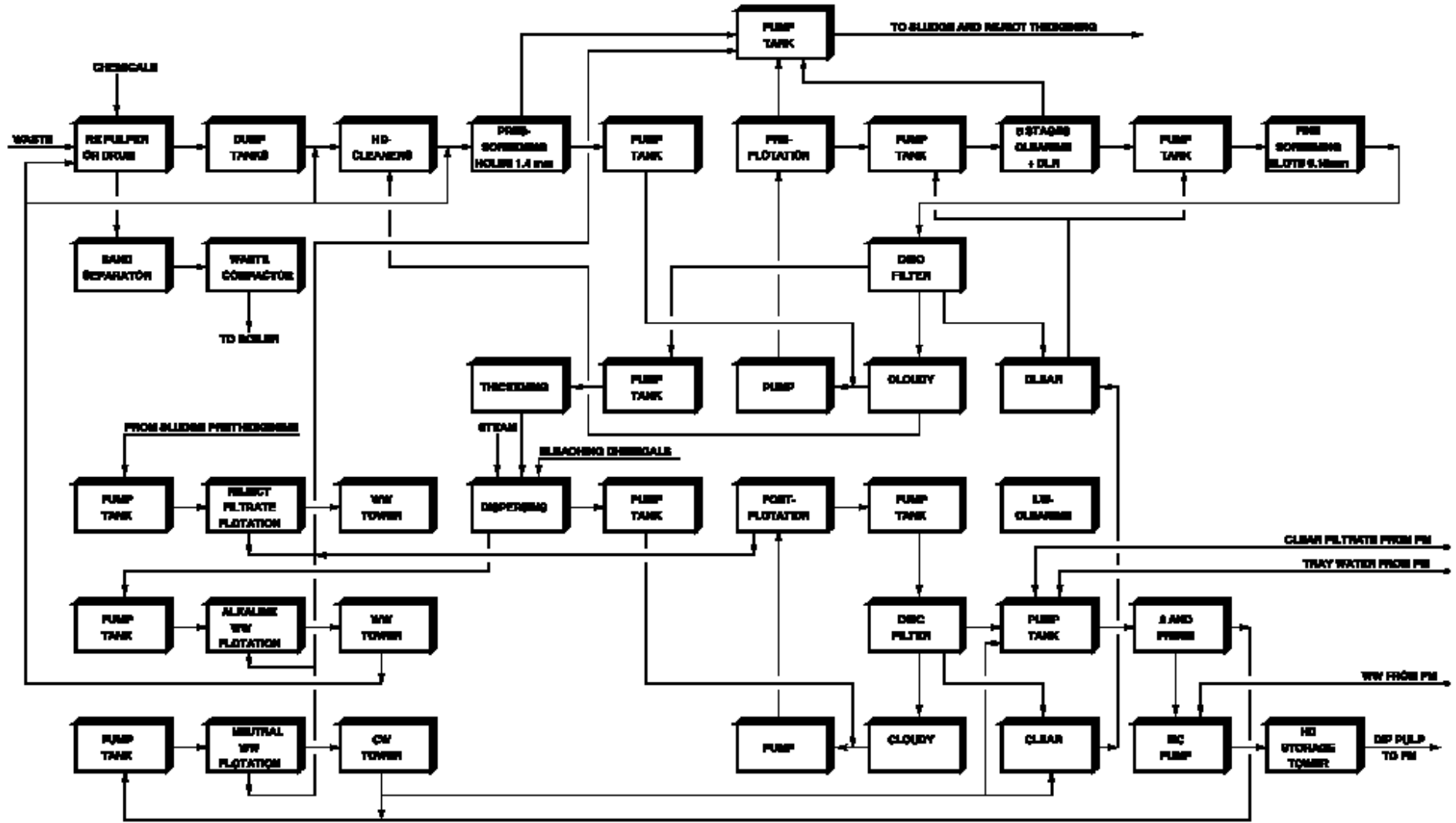
# 新聞紙TMP線方塊圖



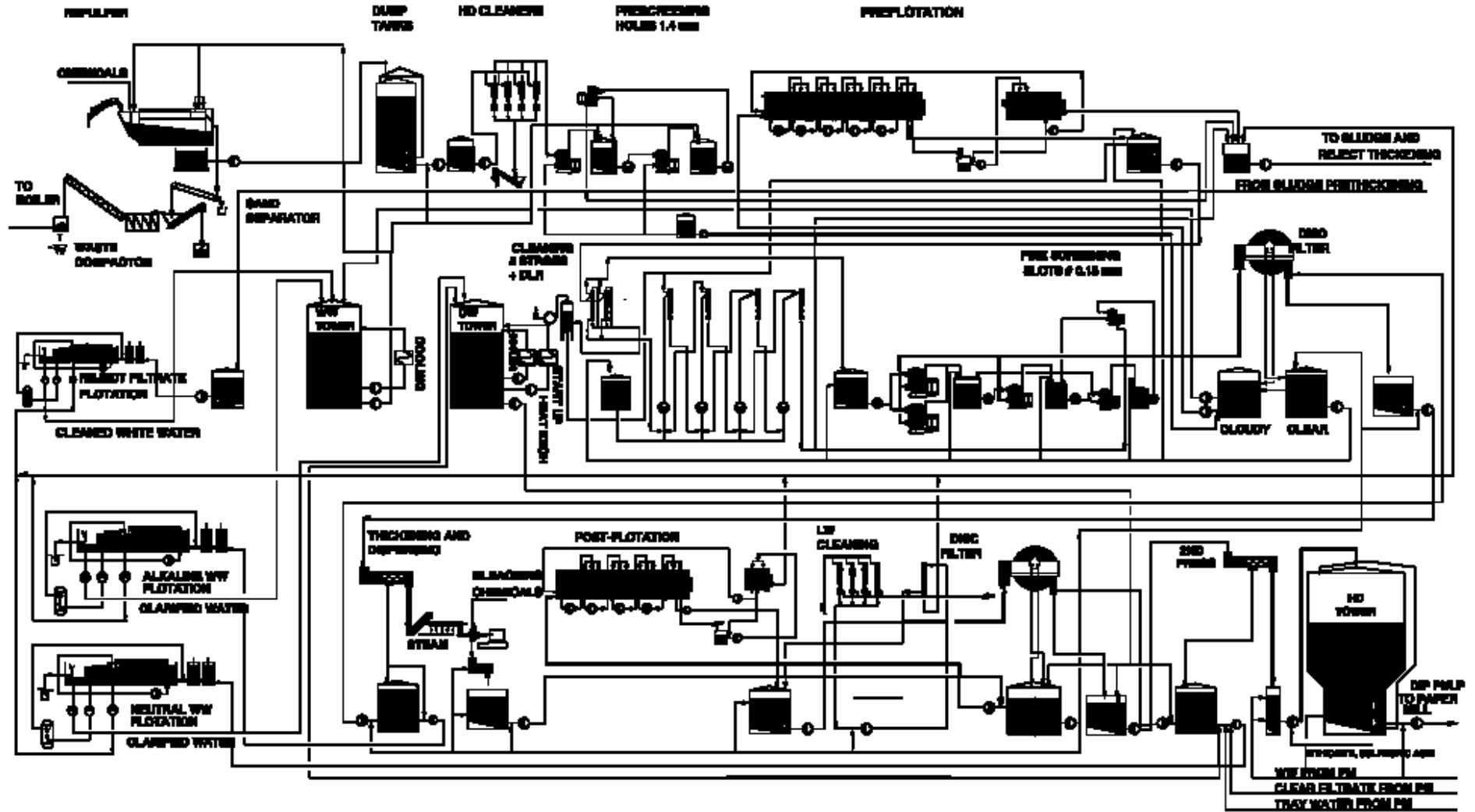
# 新聞紙TMP線流程圖



# 新聞紙DIP線方塊圖

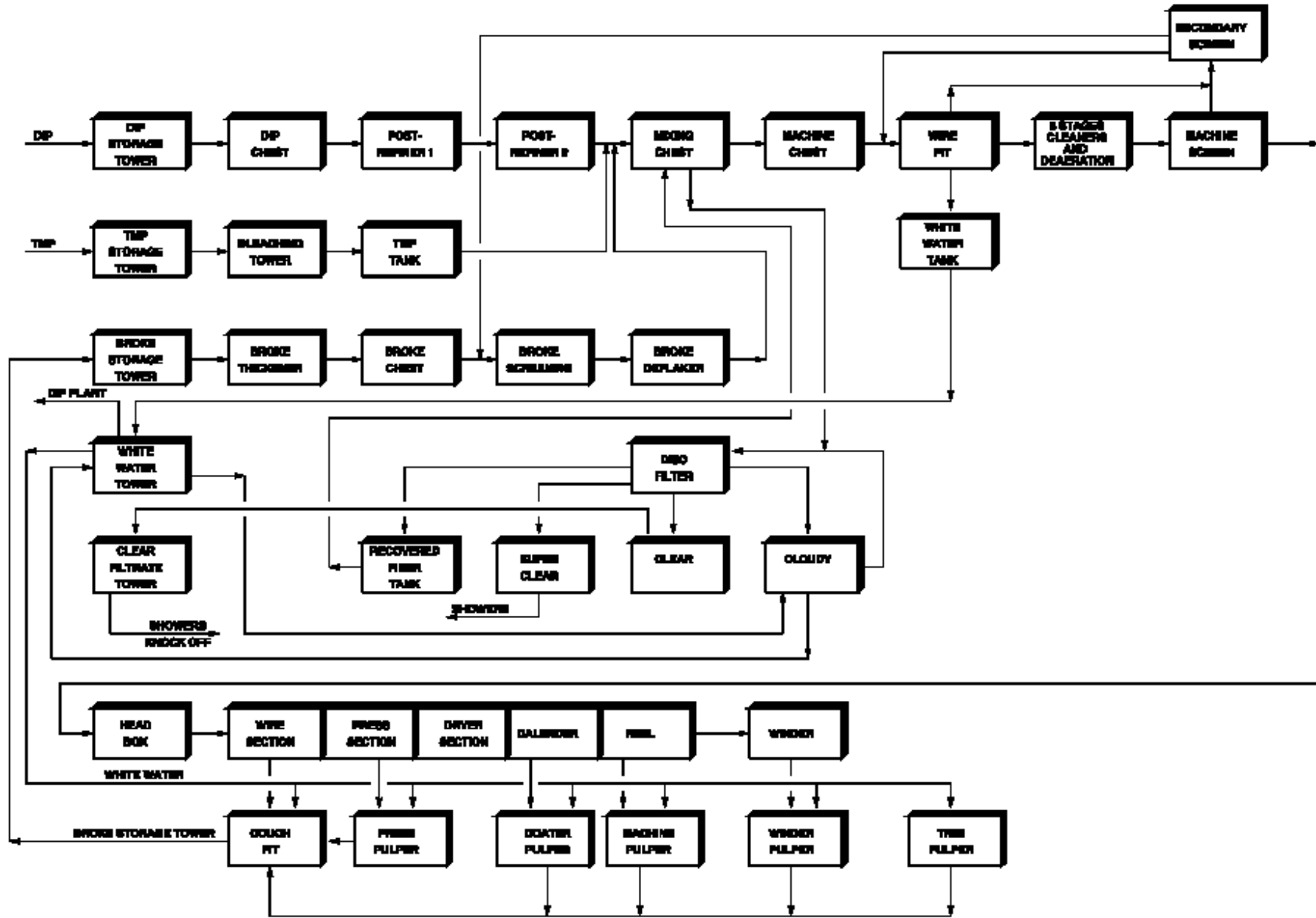


# 新聞紙DIP線流程圖

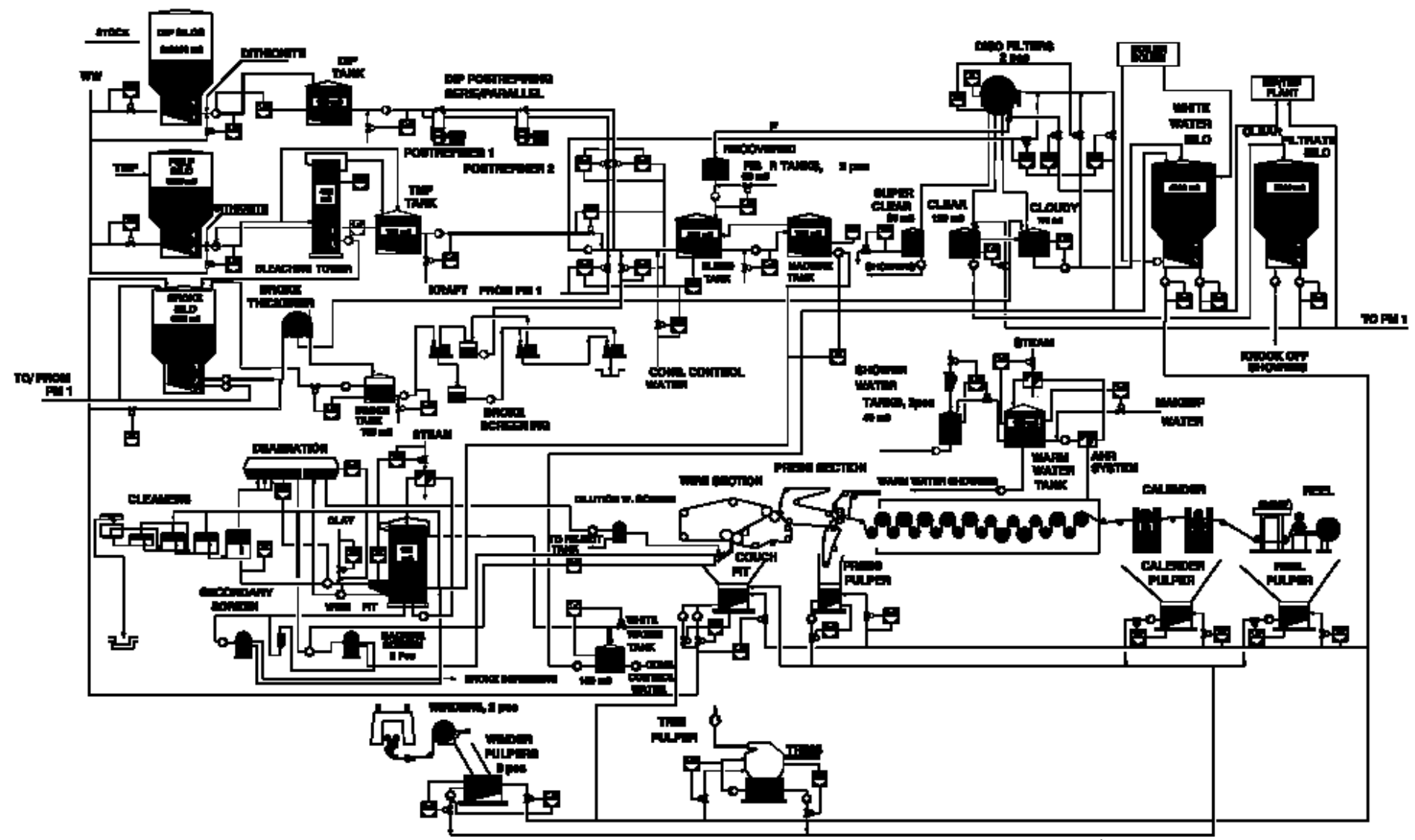




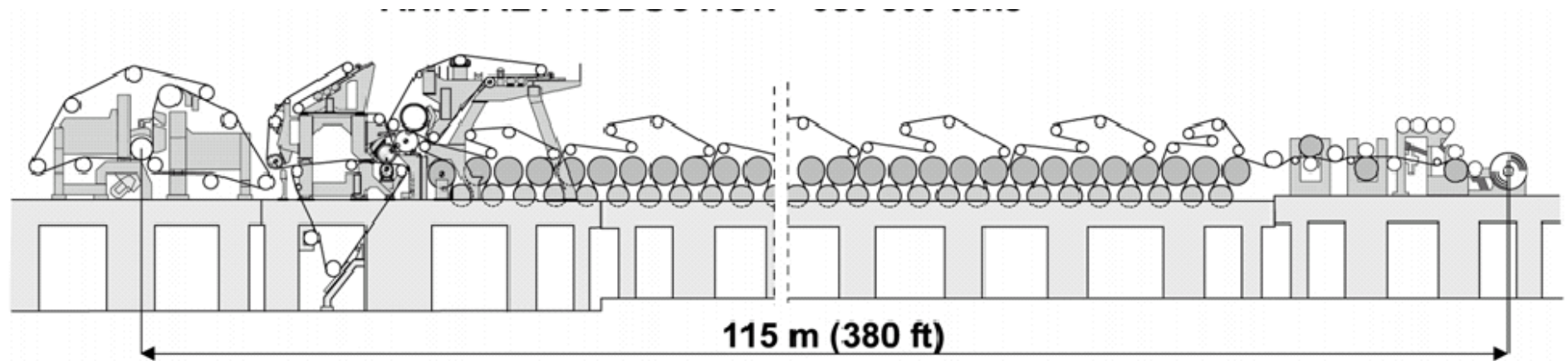
# 新聞紙抄紙機方塊圖



# 新聞紙抄紙機流程圖



# 新聞紙抄紙機示意圖



# LWC廠

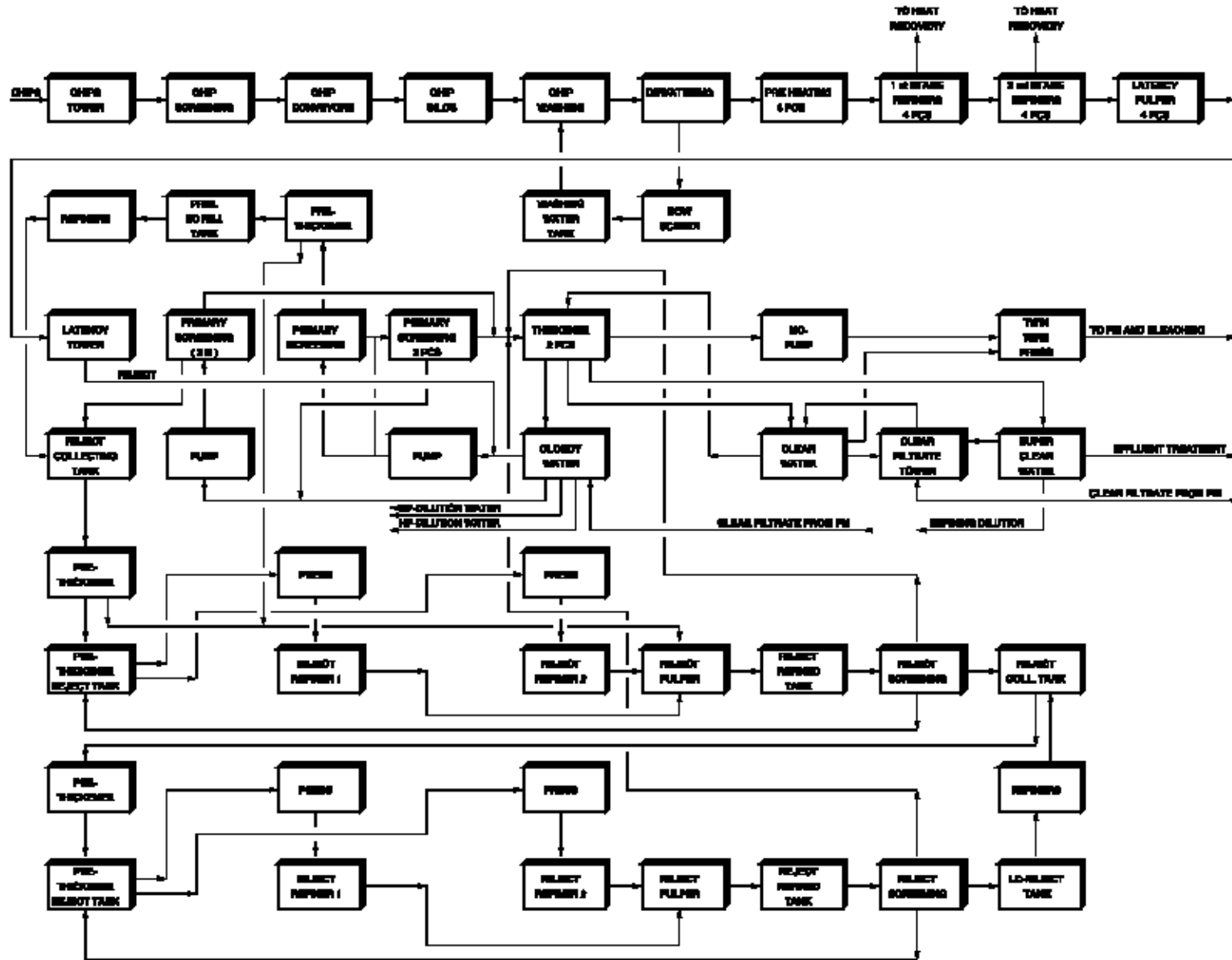
TMP/PGW

PM line  
incl. coater

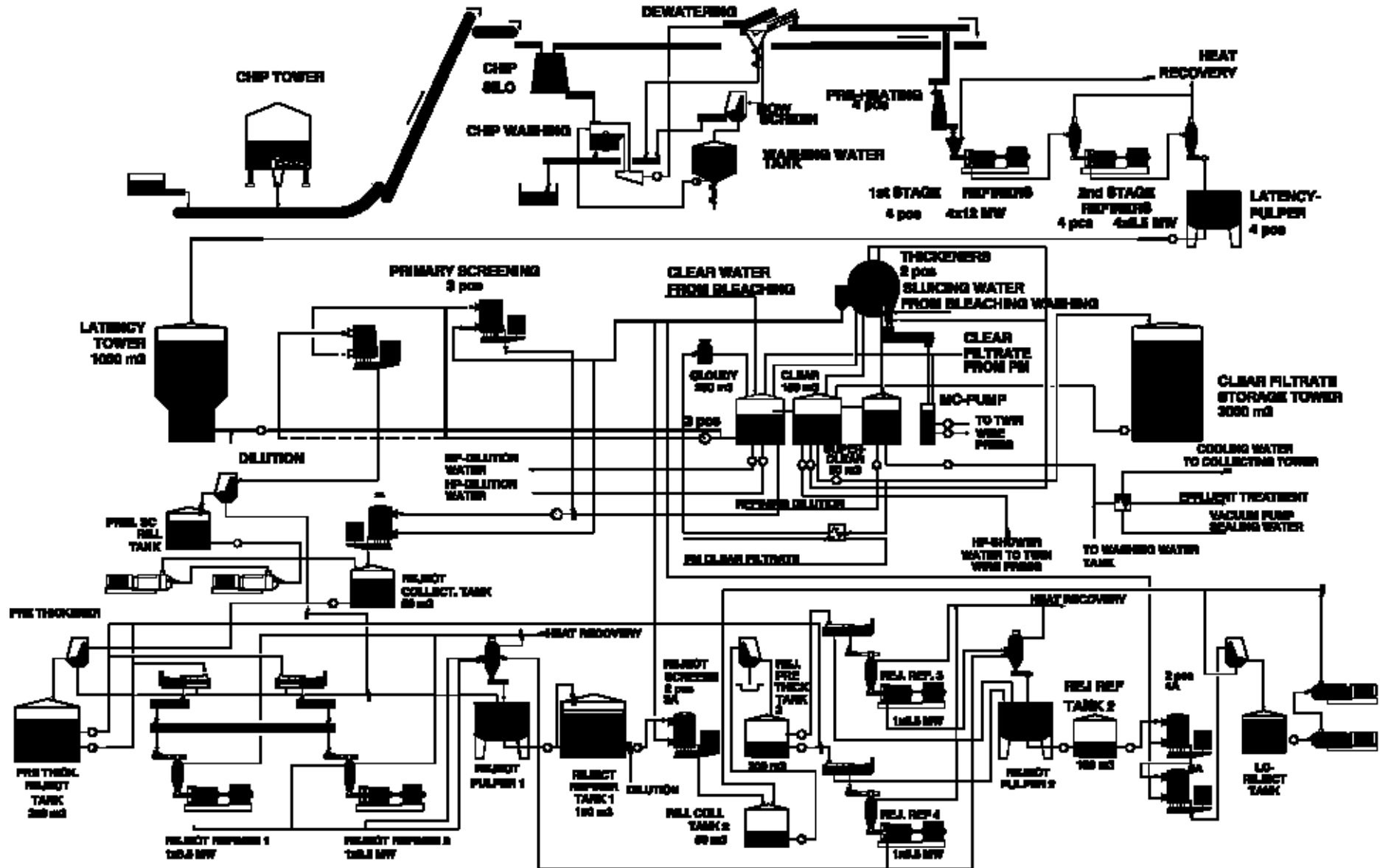
Finishing

Coating color  
kitchen

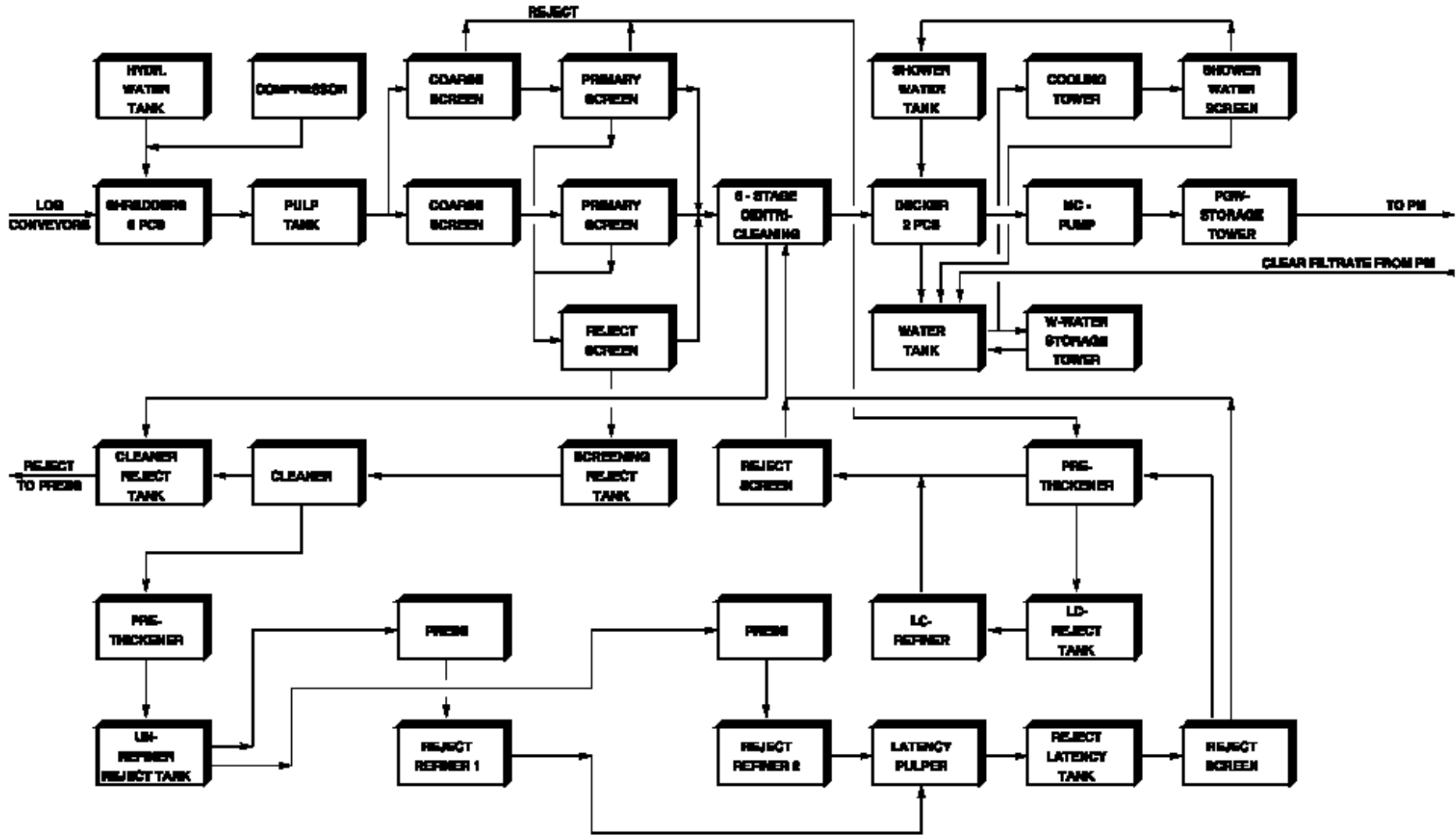
# TMP與LWC一貫廠方塊圖



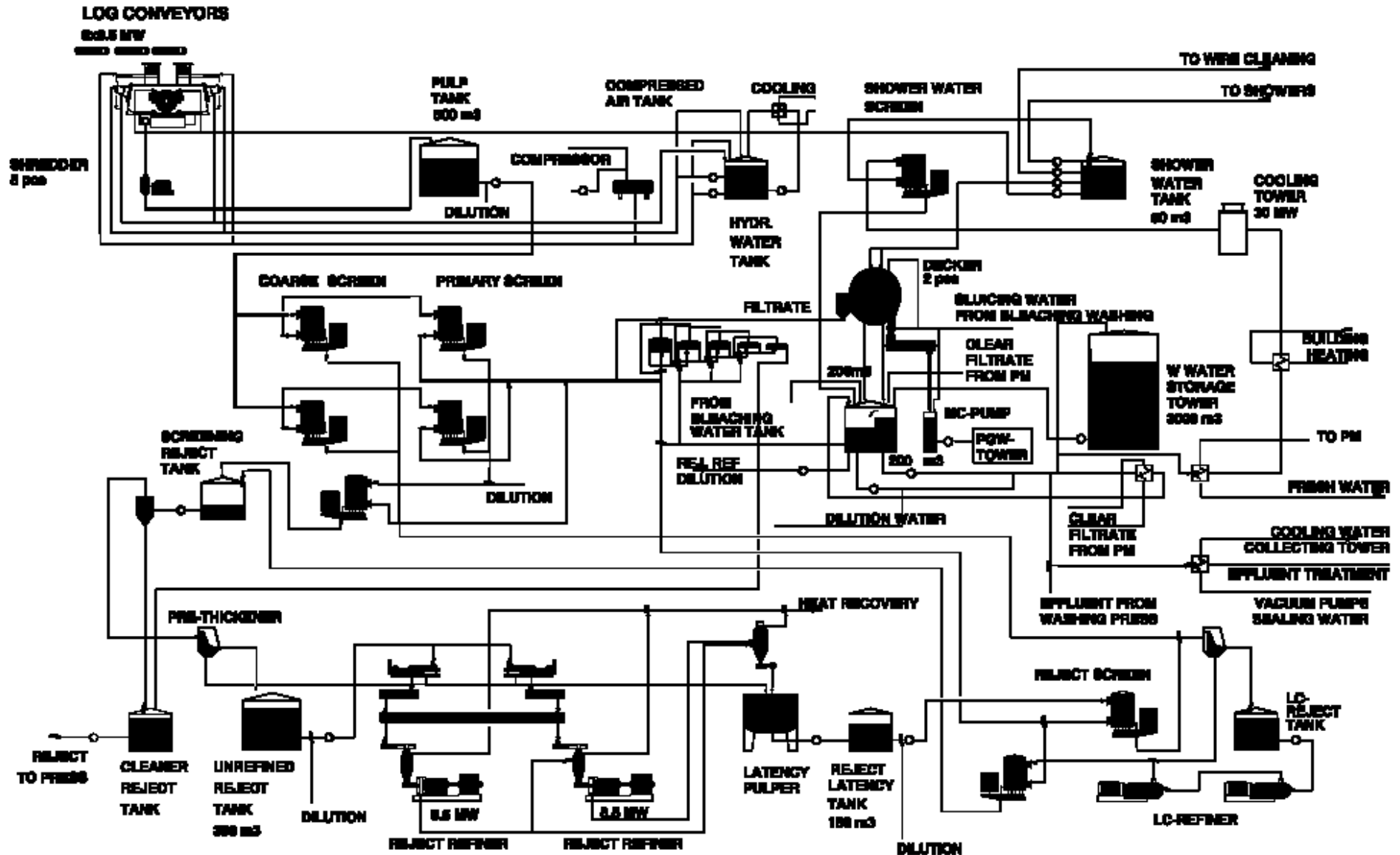
# TMP與LWC一貫廠流程圖



# PGW與LWC一貫廠方塊圖

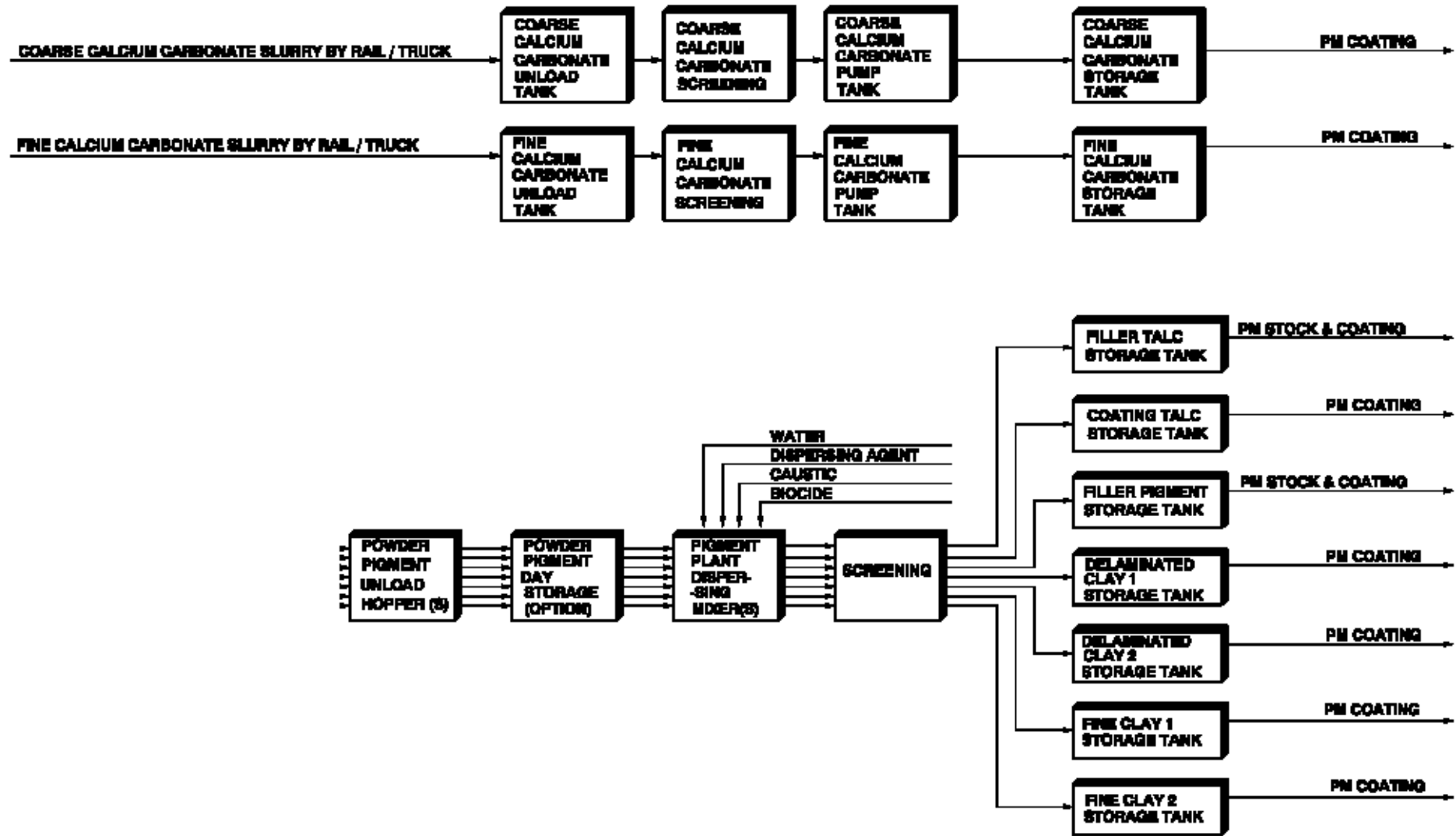


# PGW與LWC一貫廠流程圖

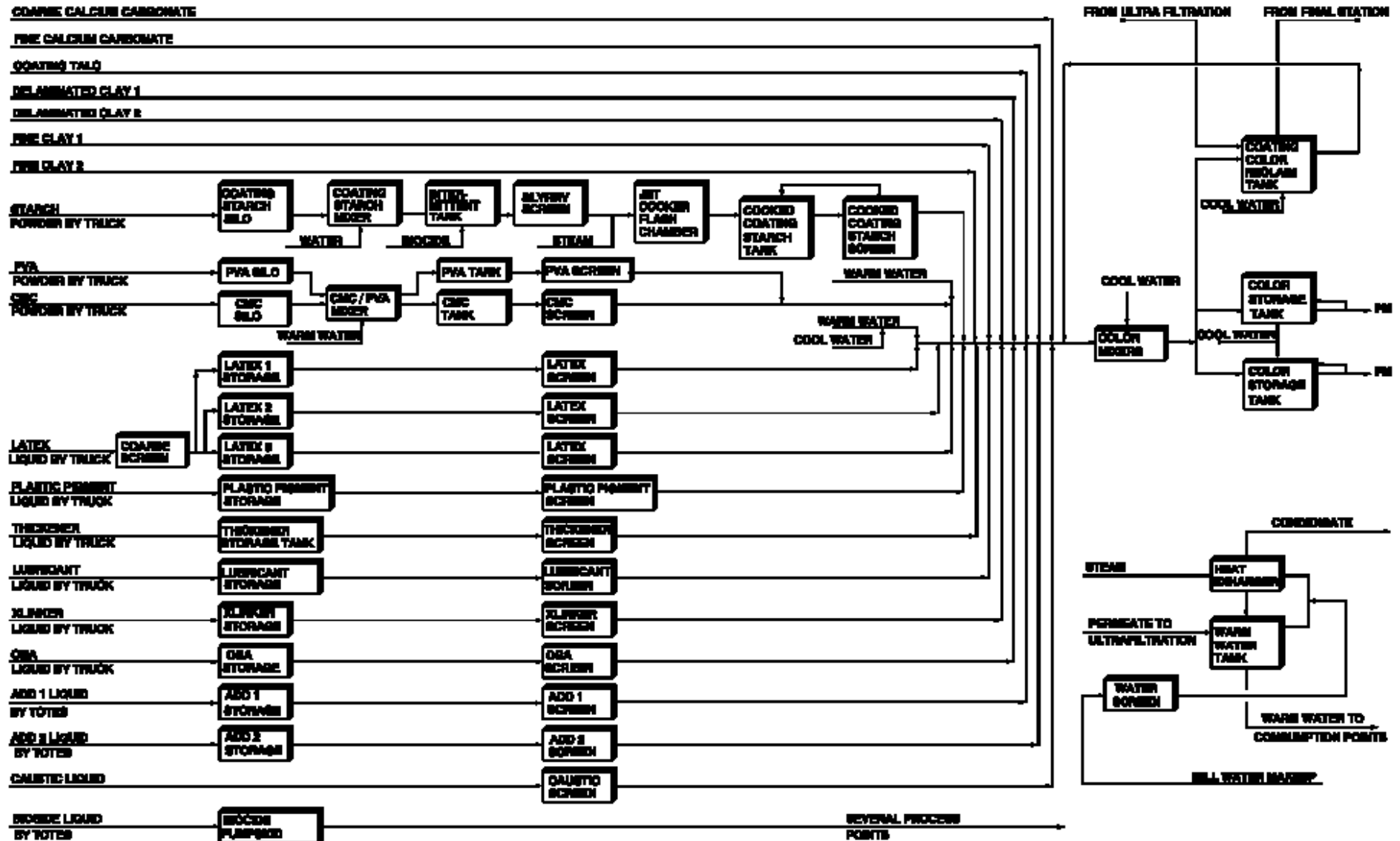




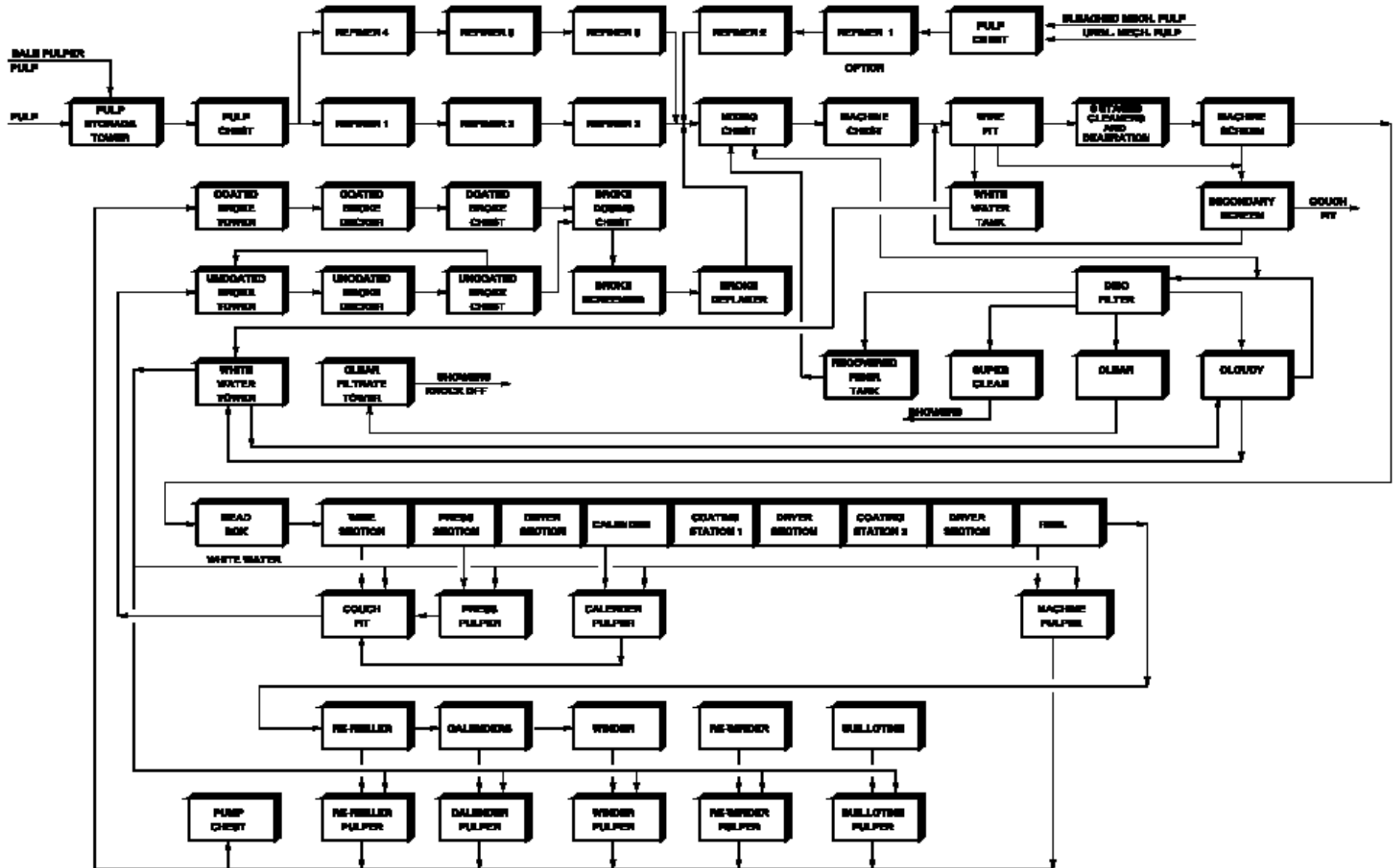
# 塗料配製方塊圖



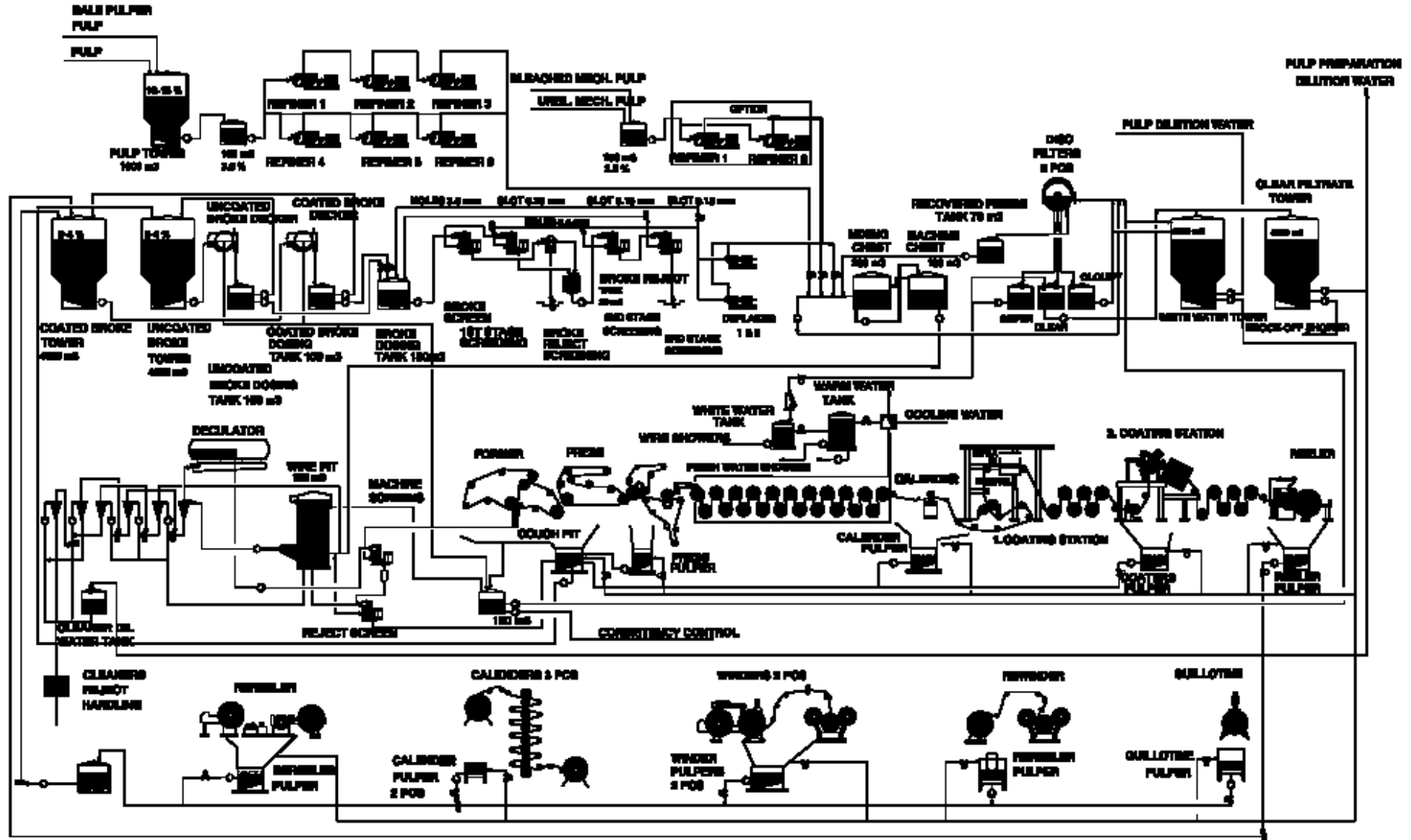
# 塗料配製室方塊圖



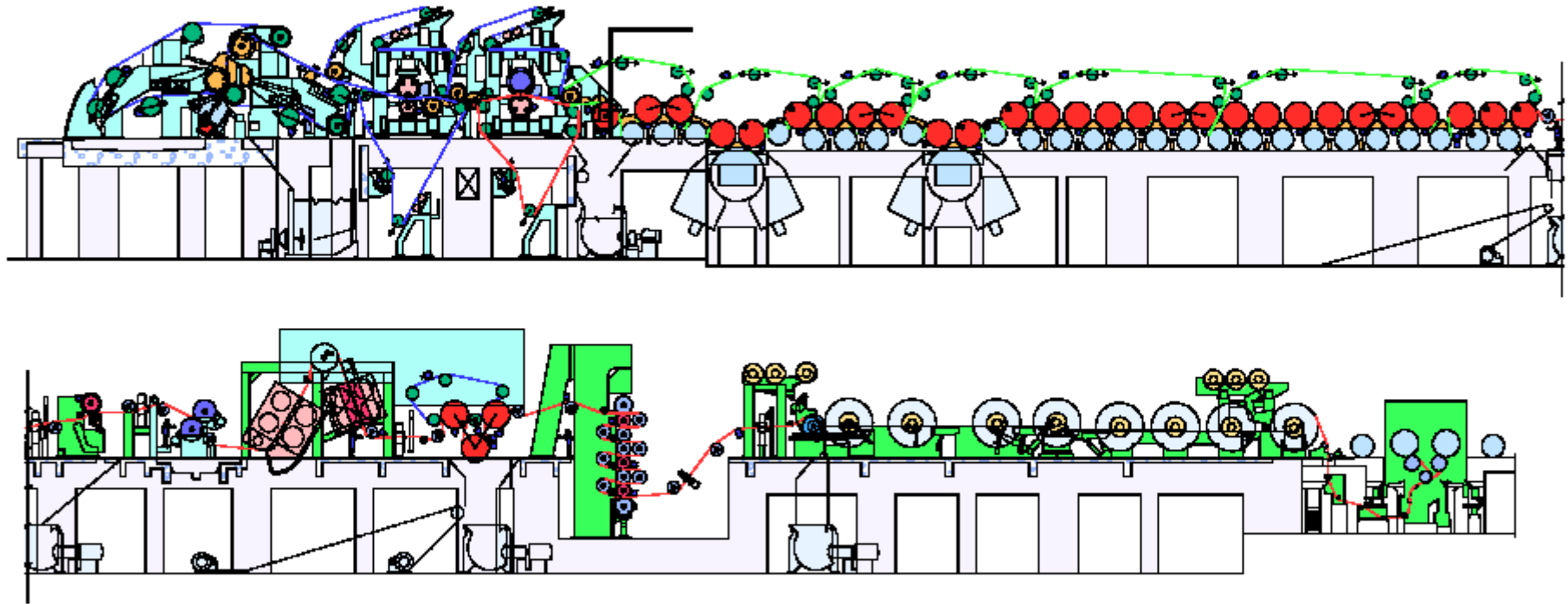
# LWC抄紙機方塊圖



# LWC抄紙機流程圖



# LWC抄紙機示意圖

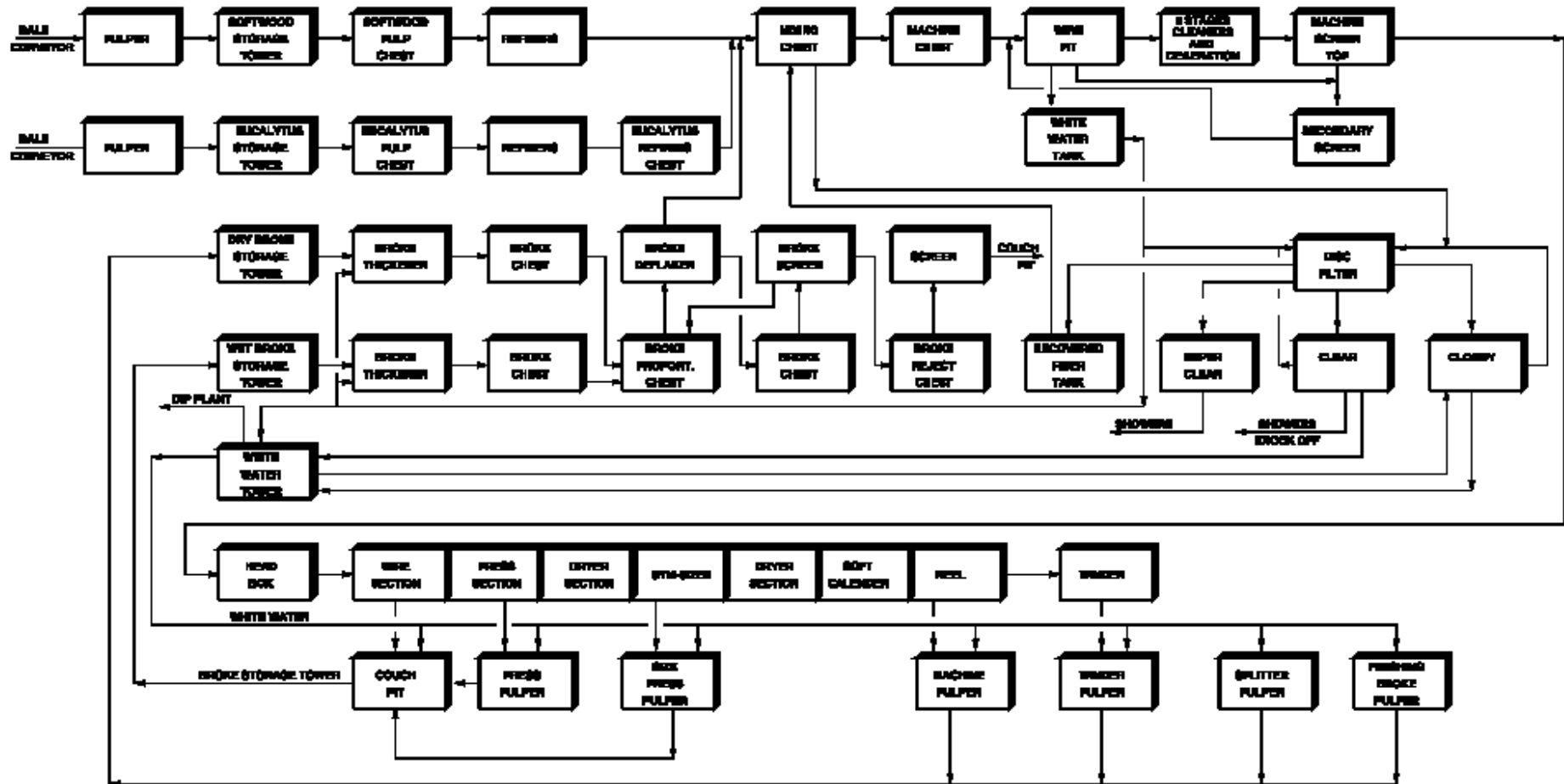


# 未塗佈文化用紙廠

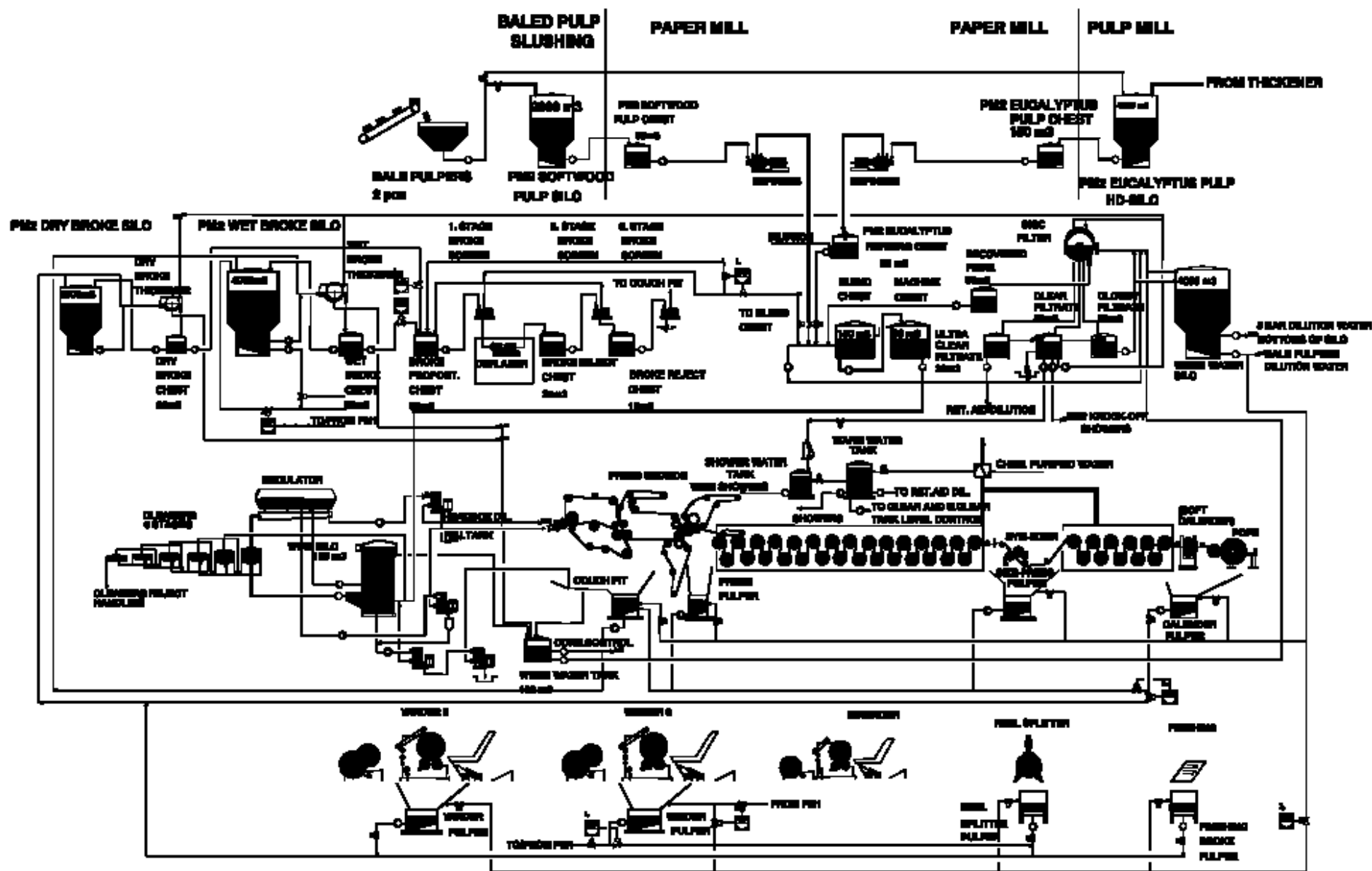
PM line

Sheeting and  
packaging

# 文化用紙廠方塊圖

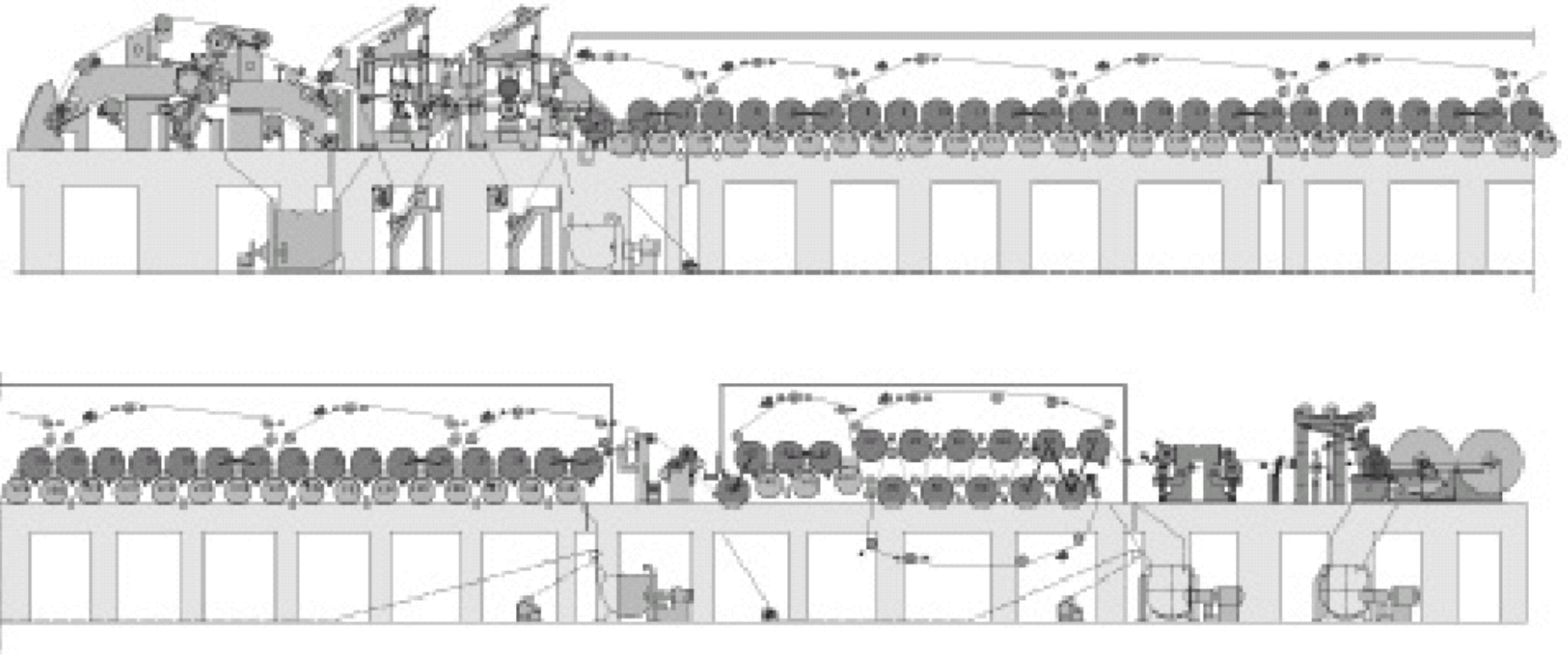


# 文化用紙廠流程圖





# 文化用紙廠抄紙機示意圖



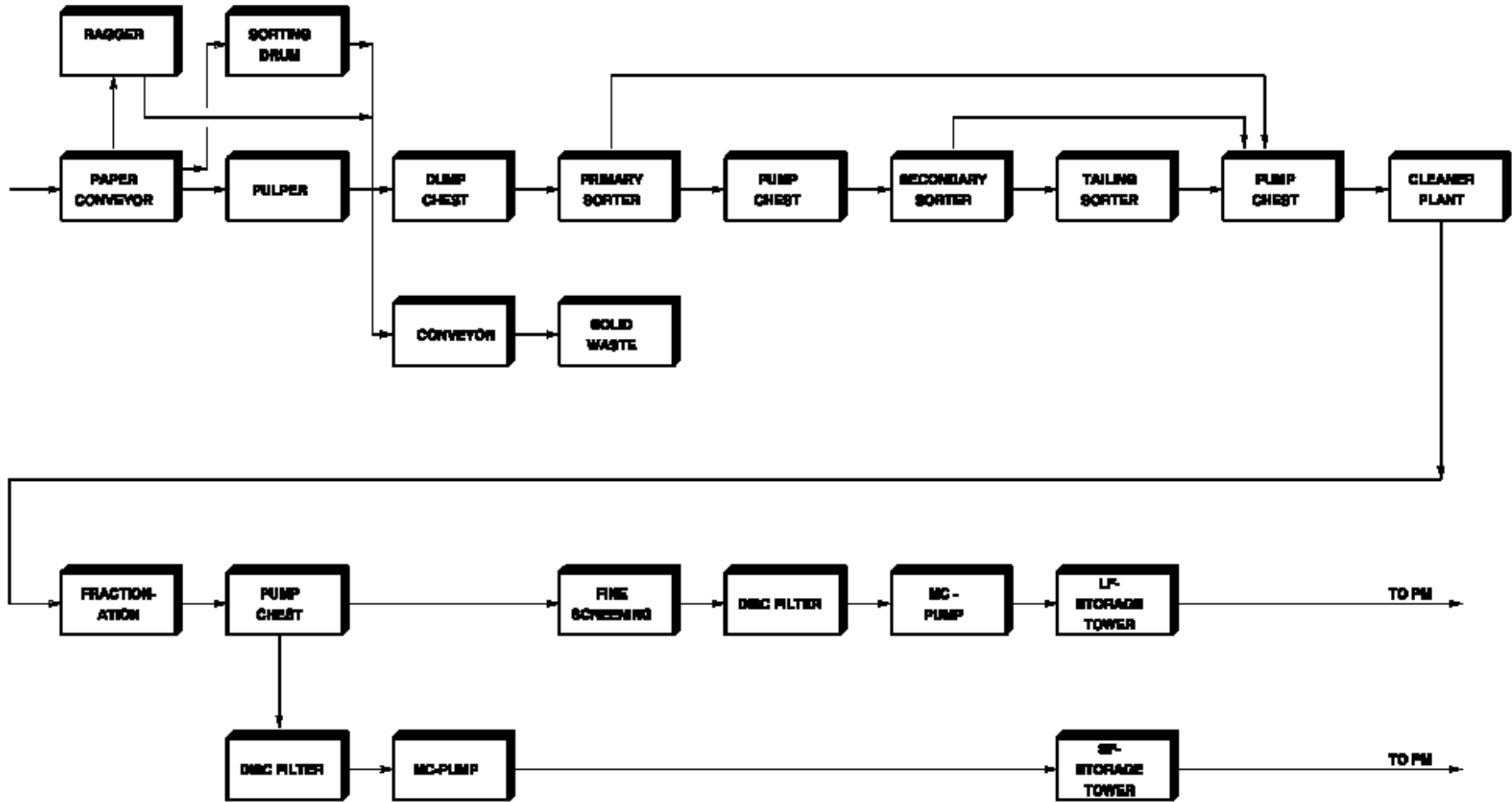
# 裱面紙板

Recycled fiber  
plant

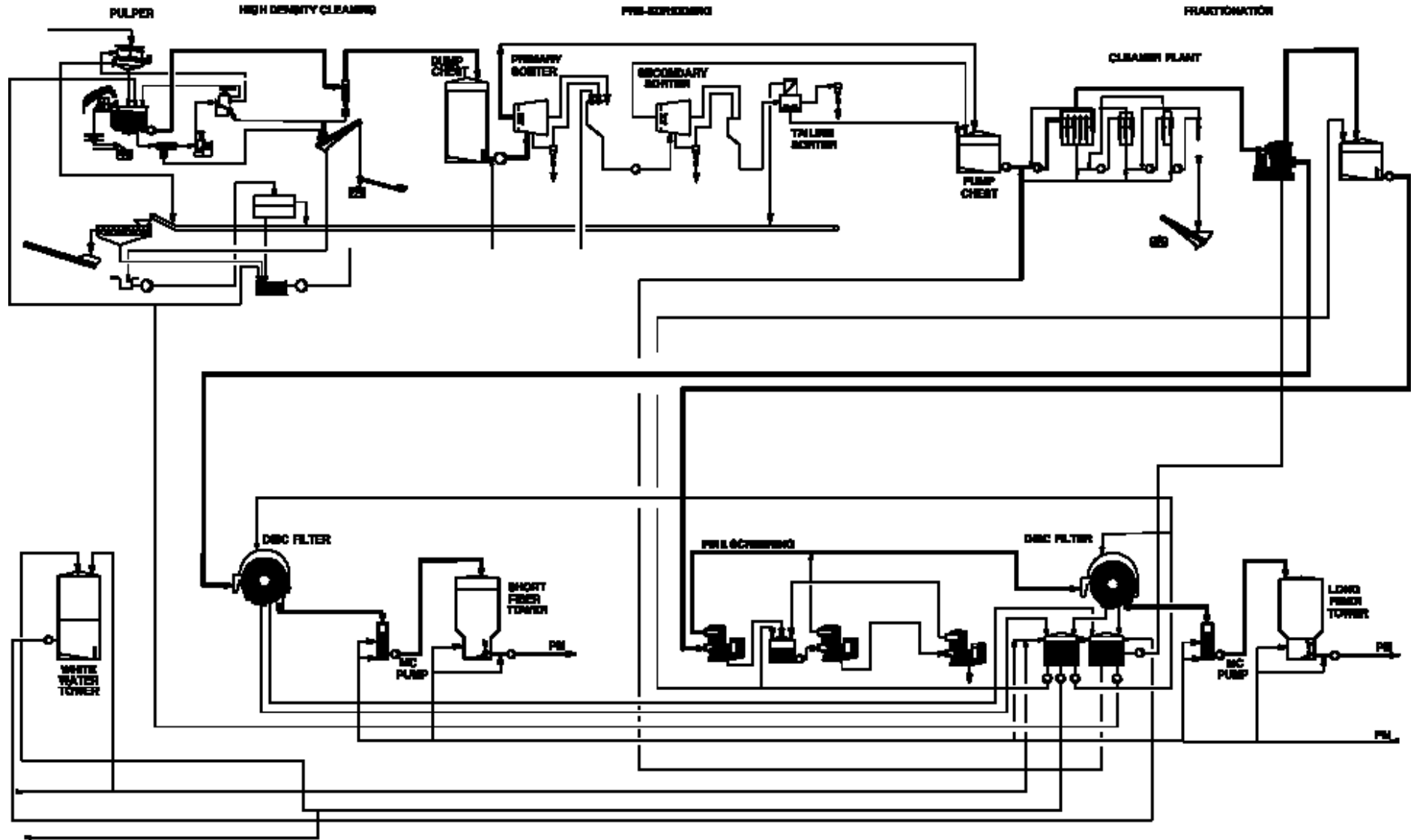
PM line

Packaging

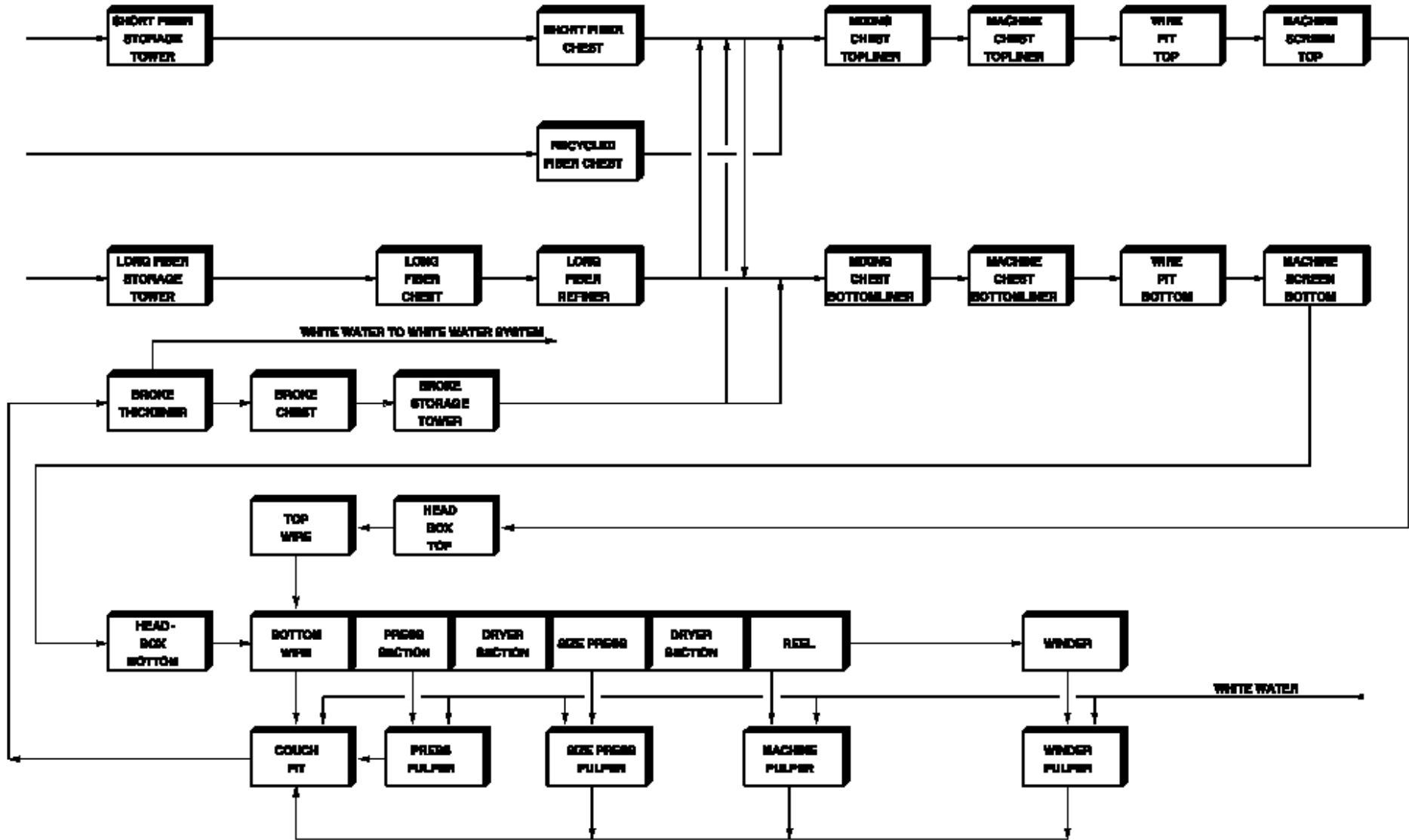
# 廢紙製漿線方塊圖



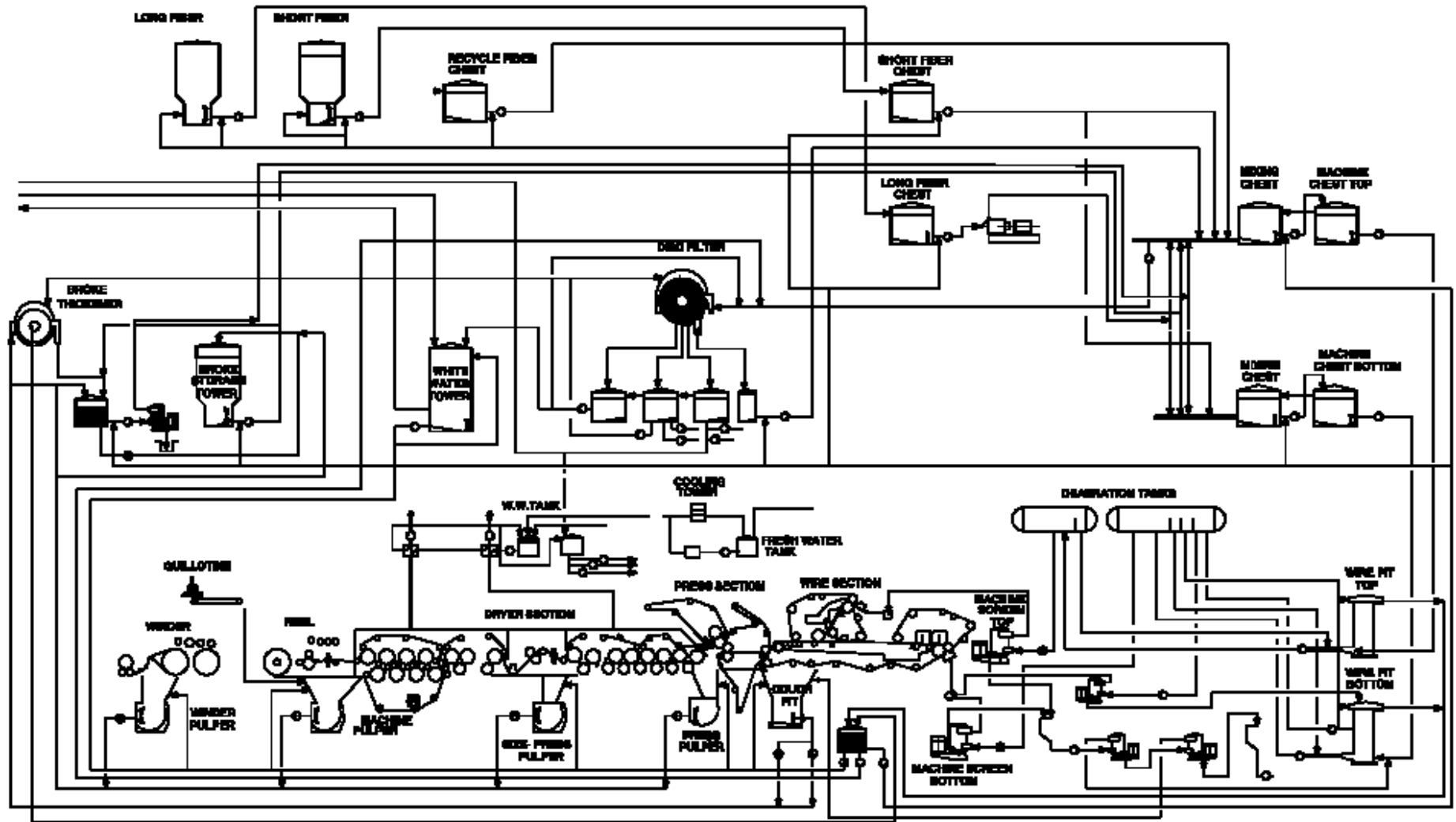
# 廢紙製漿線流程圖



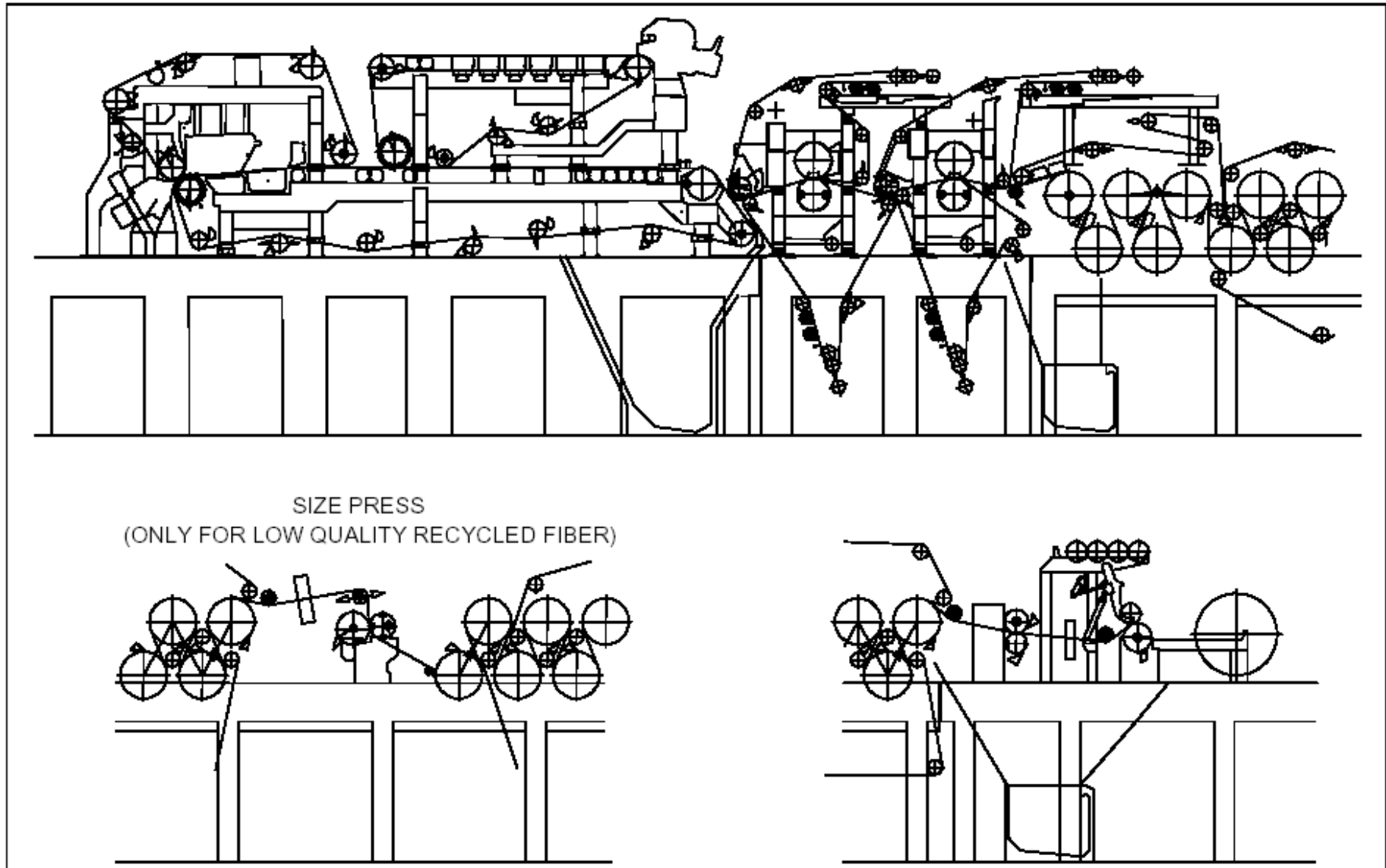
# 裱面紙板抄紙機方塊圖



# 裱面紙板抄紙機流程圖



# 裱面紙板抄紙機示意圖



# 多層紙板廠

TMP/PGW

Board line

Sheet cutting  
packaging

or/and

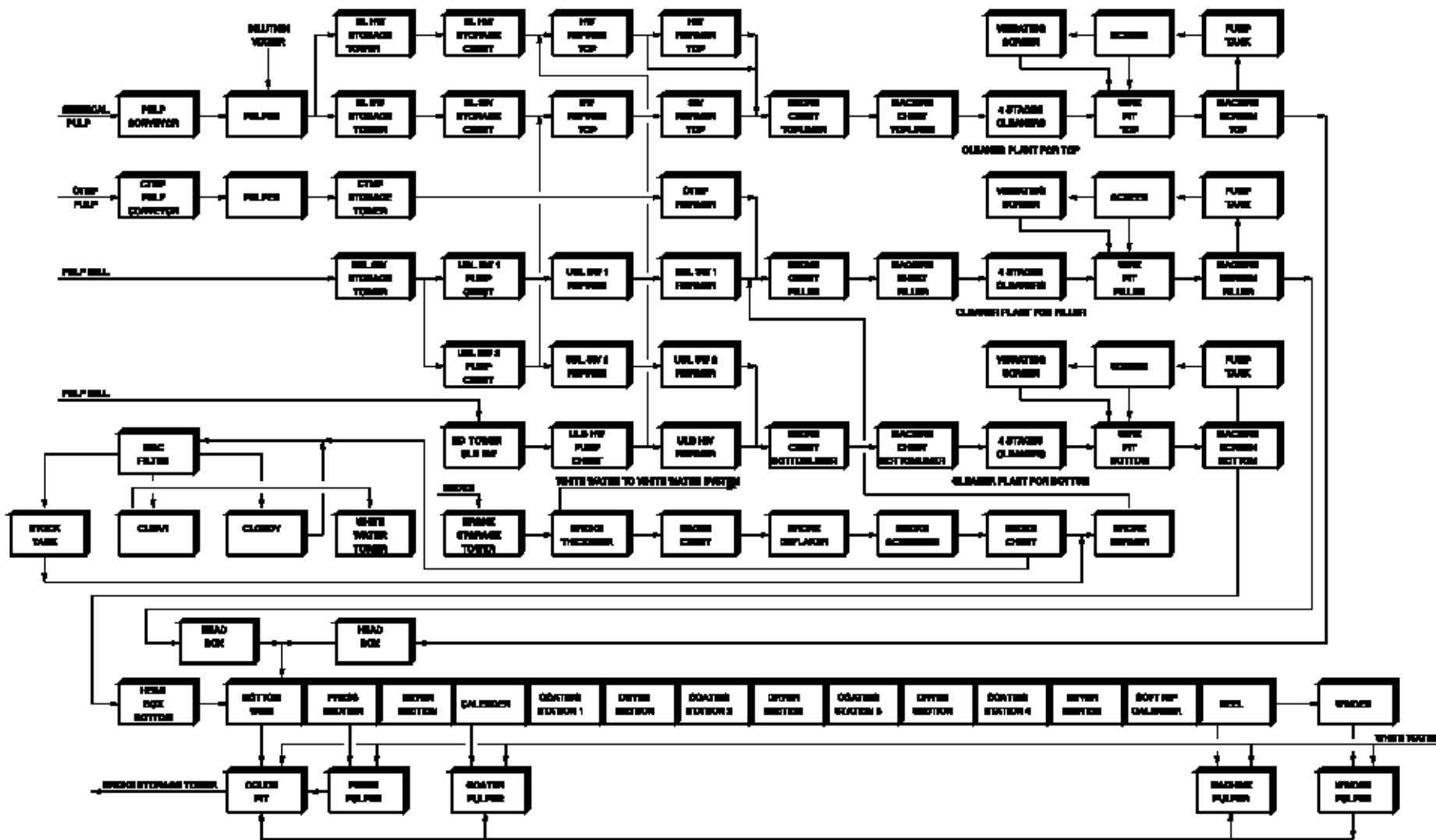
Recycled fiber  
plant

Board line

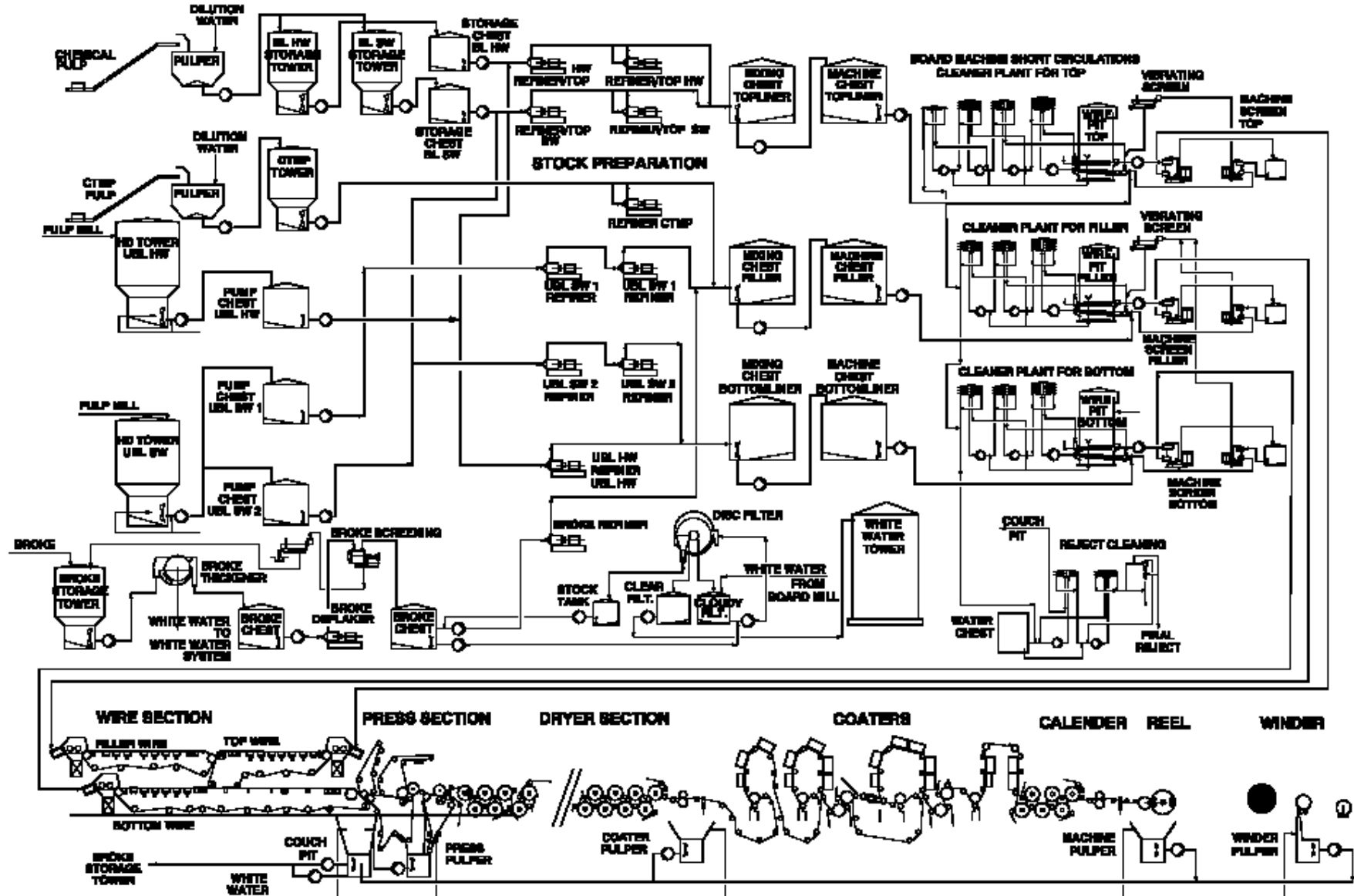
Sheet cutting  
packaging



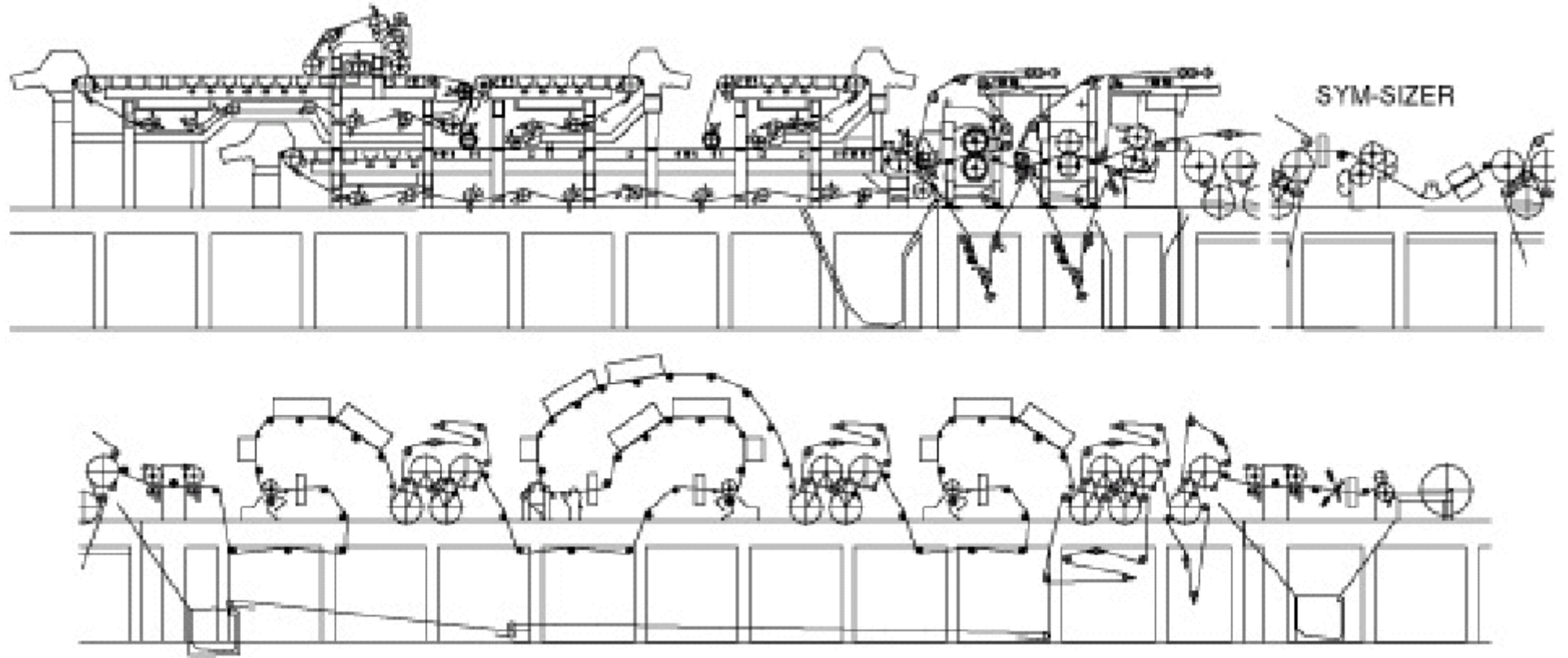
# 多層紙板線方塊圖



# 多層紙板線流程圖



# 多層紙板抄紙機示意圖



# 家庭用紙廠

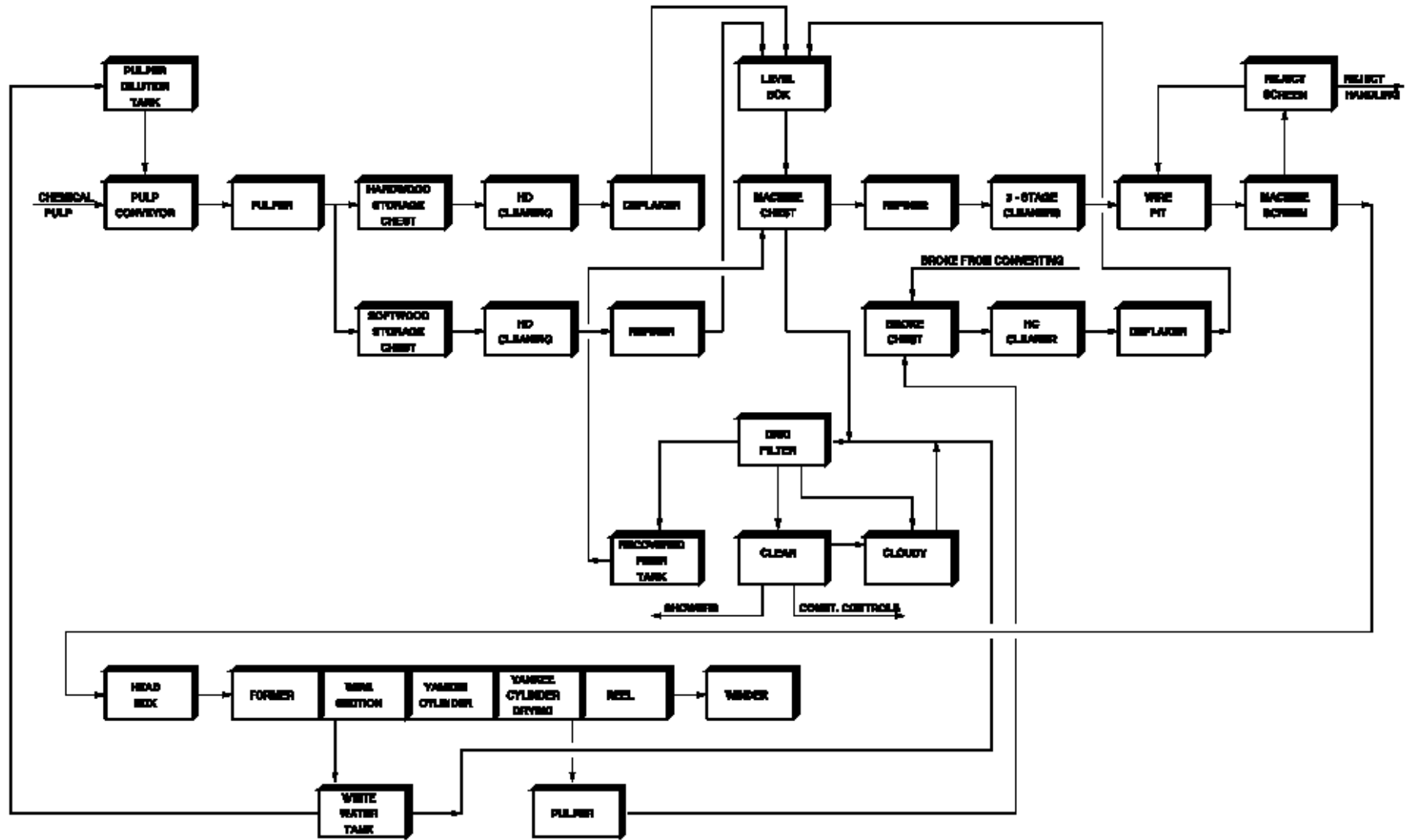


PM line

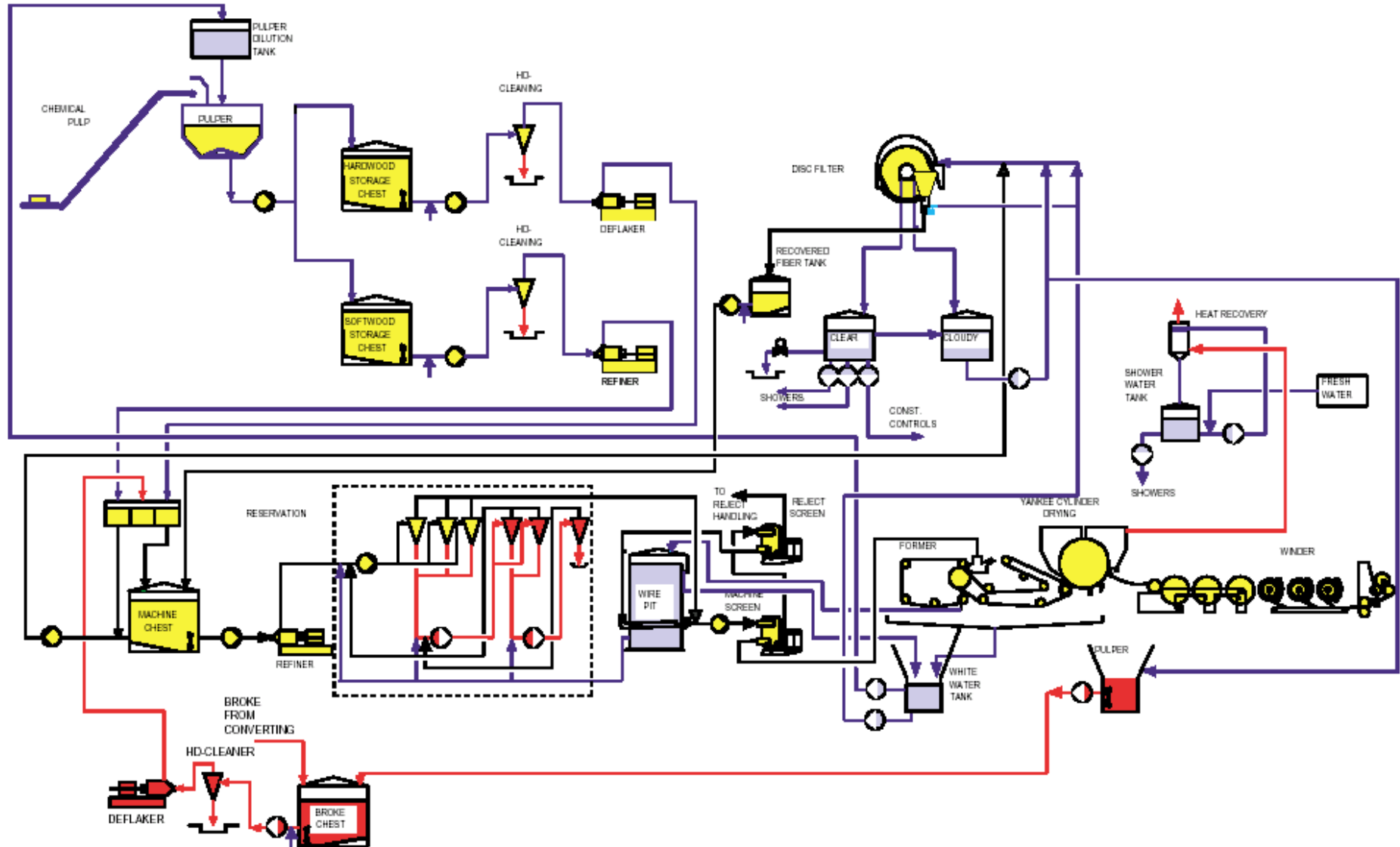


Converting

# 家庭用紙線方塊圖



# 家庭用紙線流程圖



# 家庭用紙抄紙機示意圖

