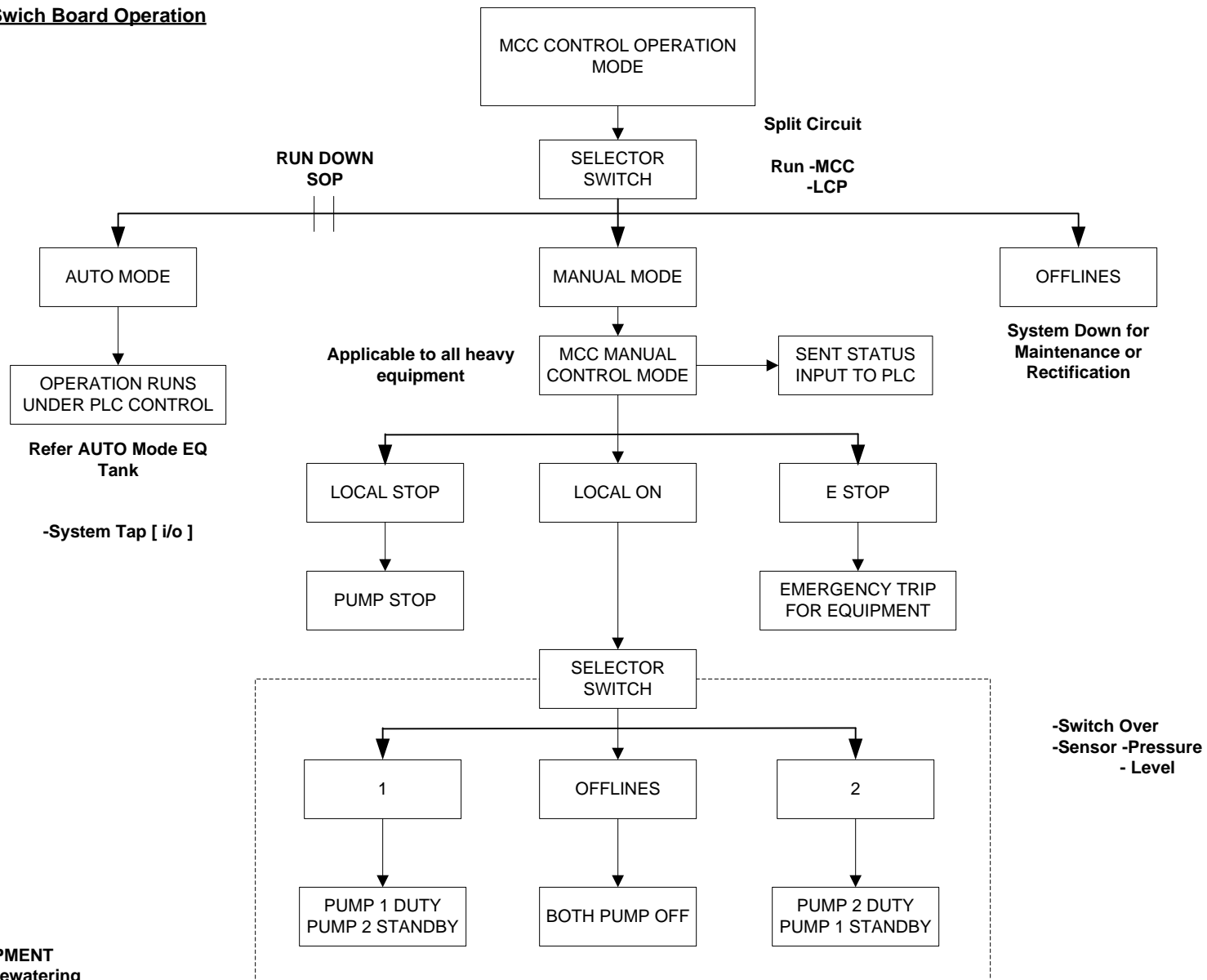


Swich Board Operation

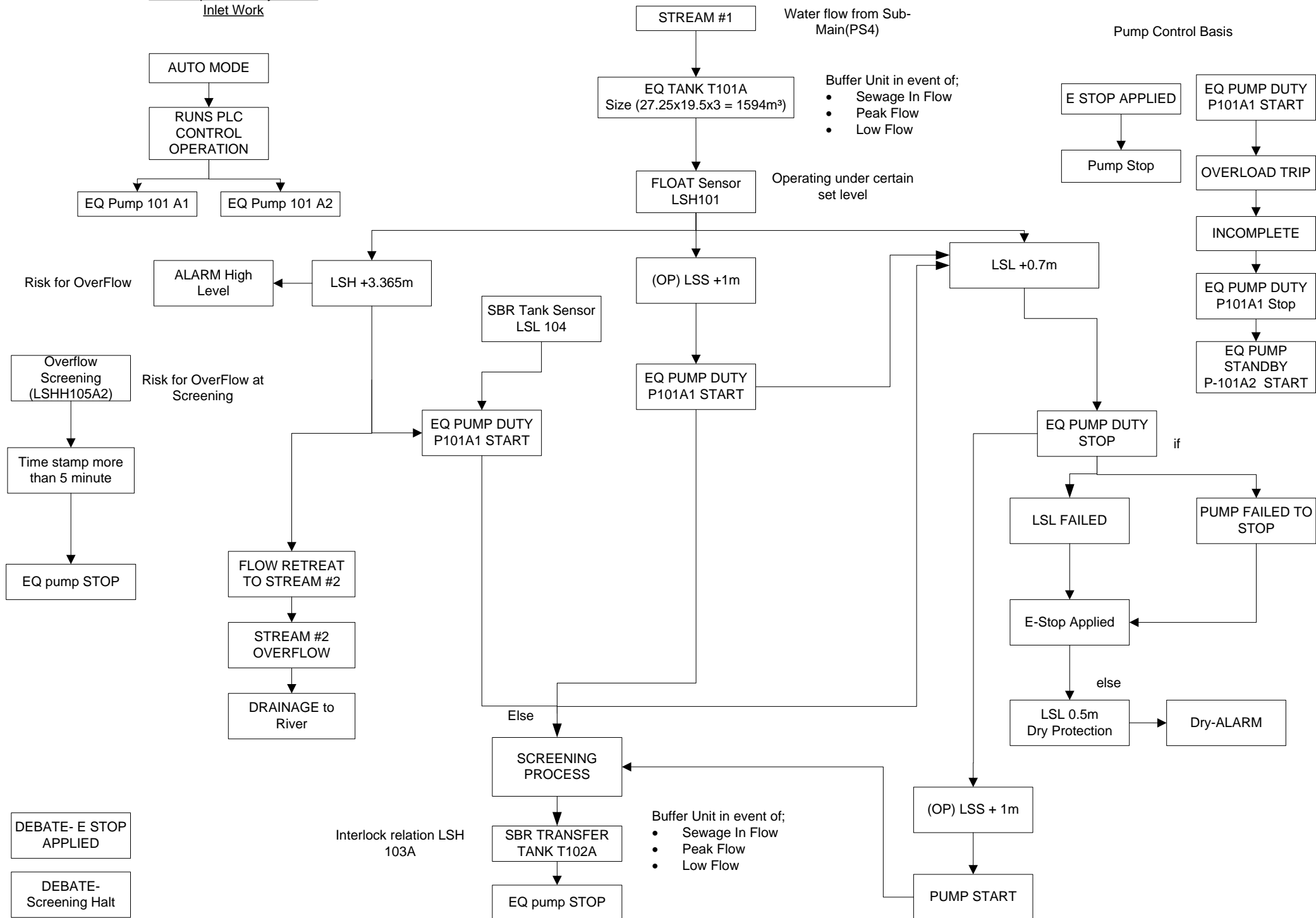


HEAVY EQUIPMENT

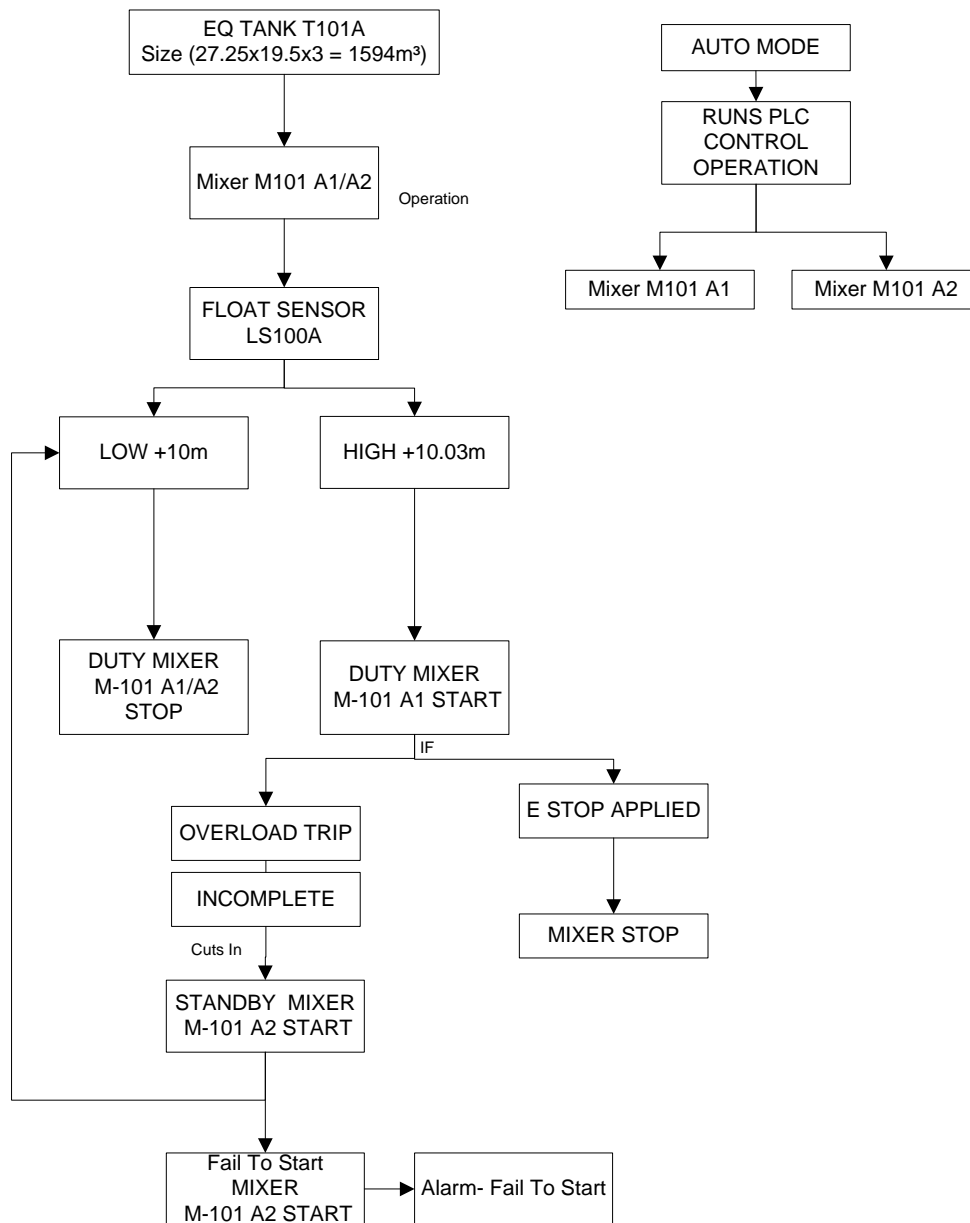
- Sludge Dewatering House
- EQ Tank Pump
- EQ Tank Mixer
- Screening Inlet House
- SBR Tank Mixer
- Sludge Draw off Pump SBR
- And etc.

Manual Mode can be switch in all mode which will bypass/ignores all circuit/signal from the PLC Control

EQ Pump Control System at Inlet Work

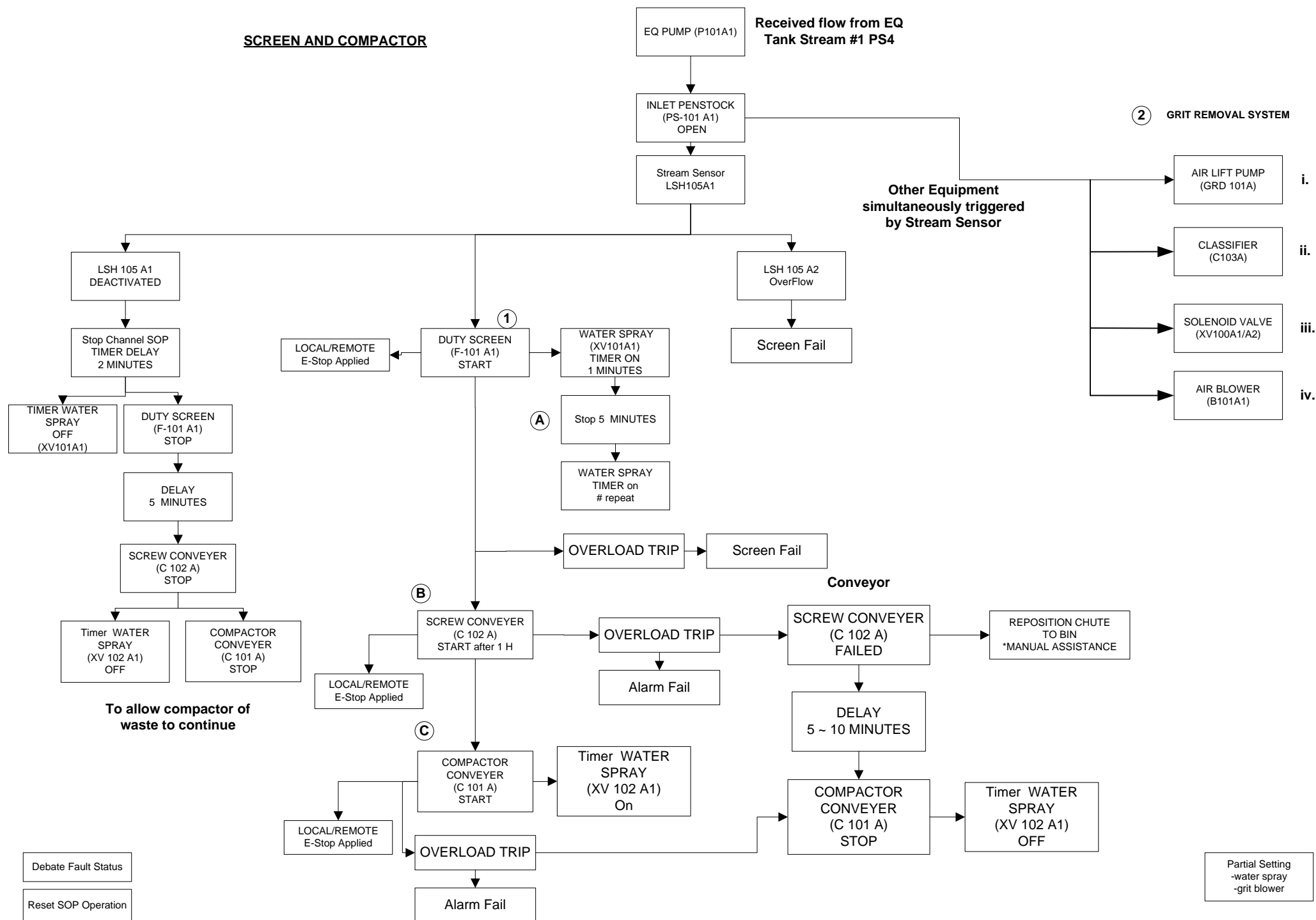


Mixer Operation at Inlet
Work

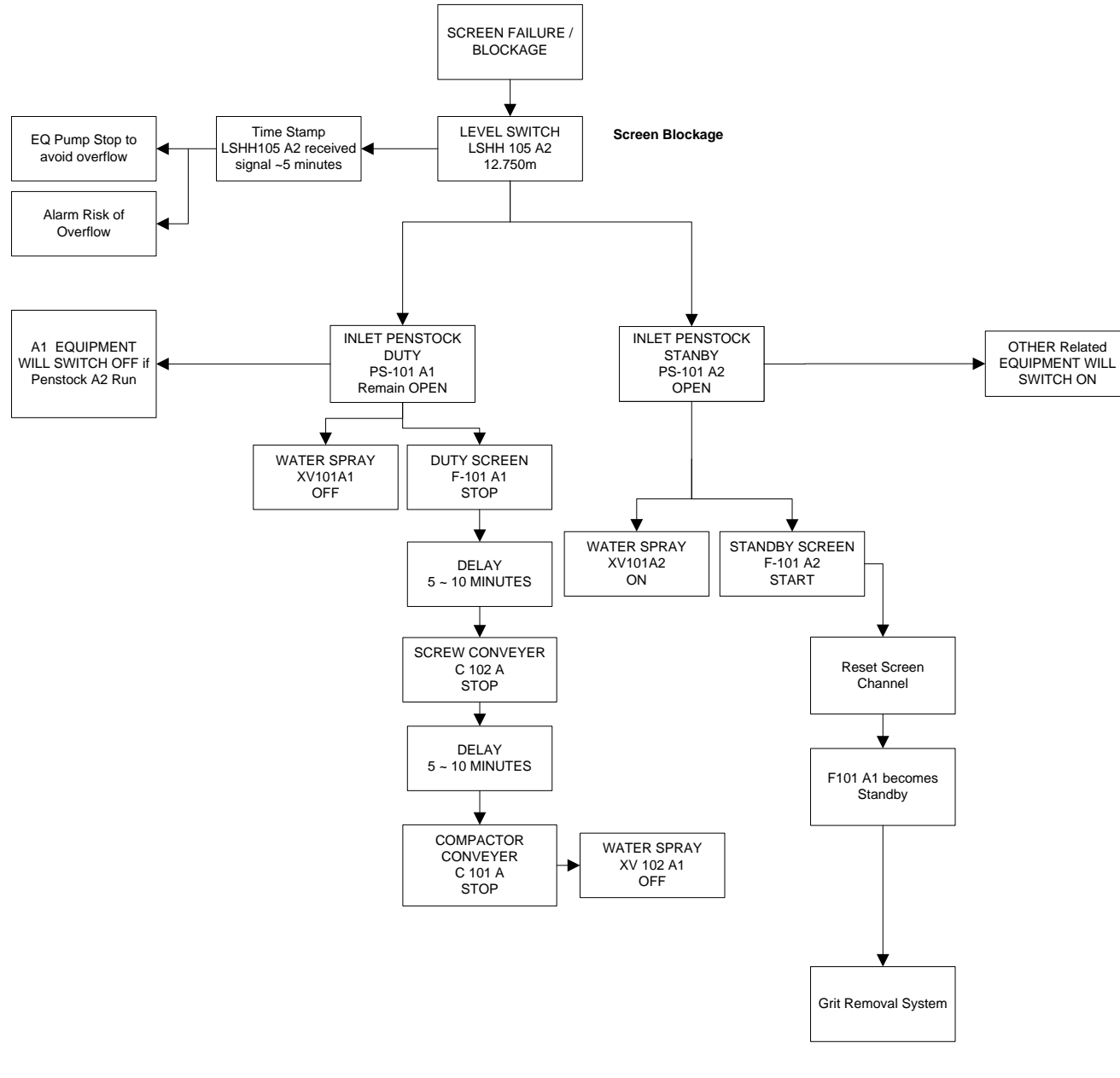


Mixer Switching interval
Debate Reset= M101 A1 cuts in.(after rectify issues)
Else= Change Over every 2H.
Debate : Sensor Fluctuation

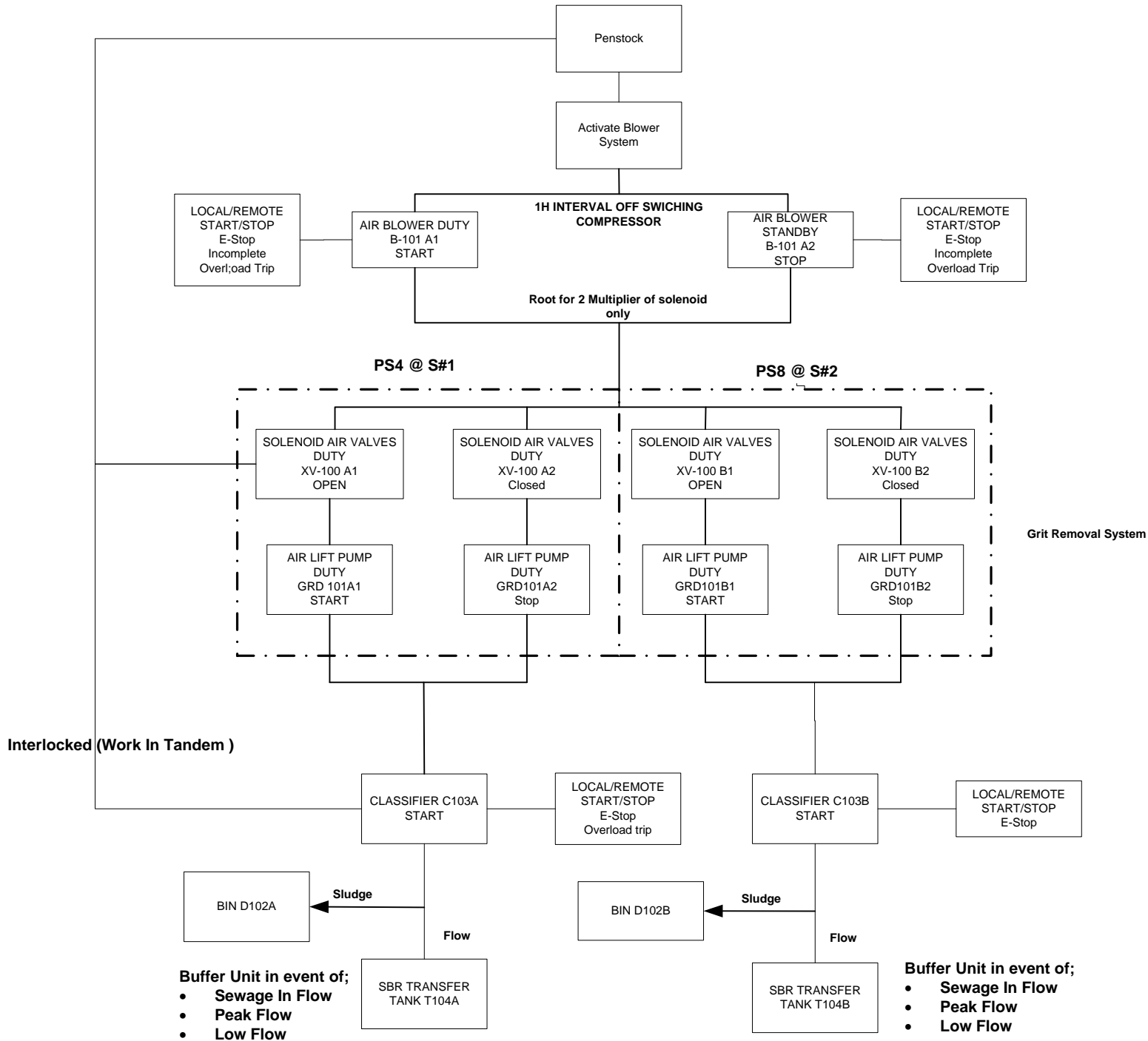
SCREEN AND COMPACTOR



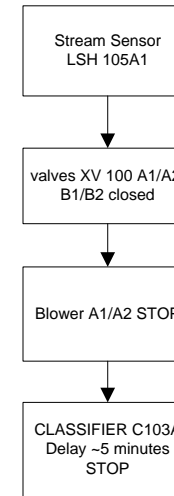
SCREEN FAIL



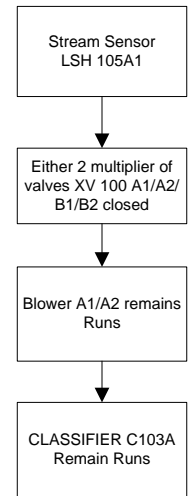
GRIT REMOVAL SYSTEM



Closed stream

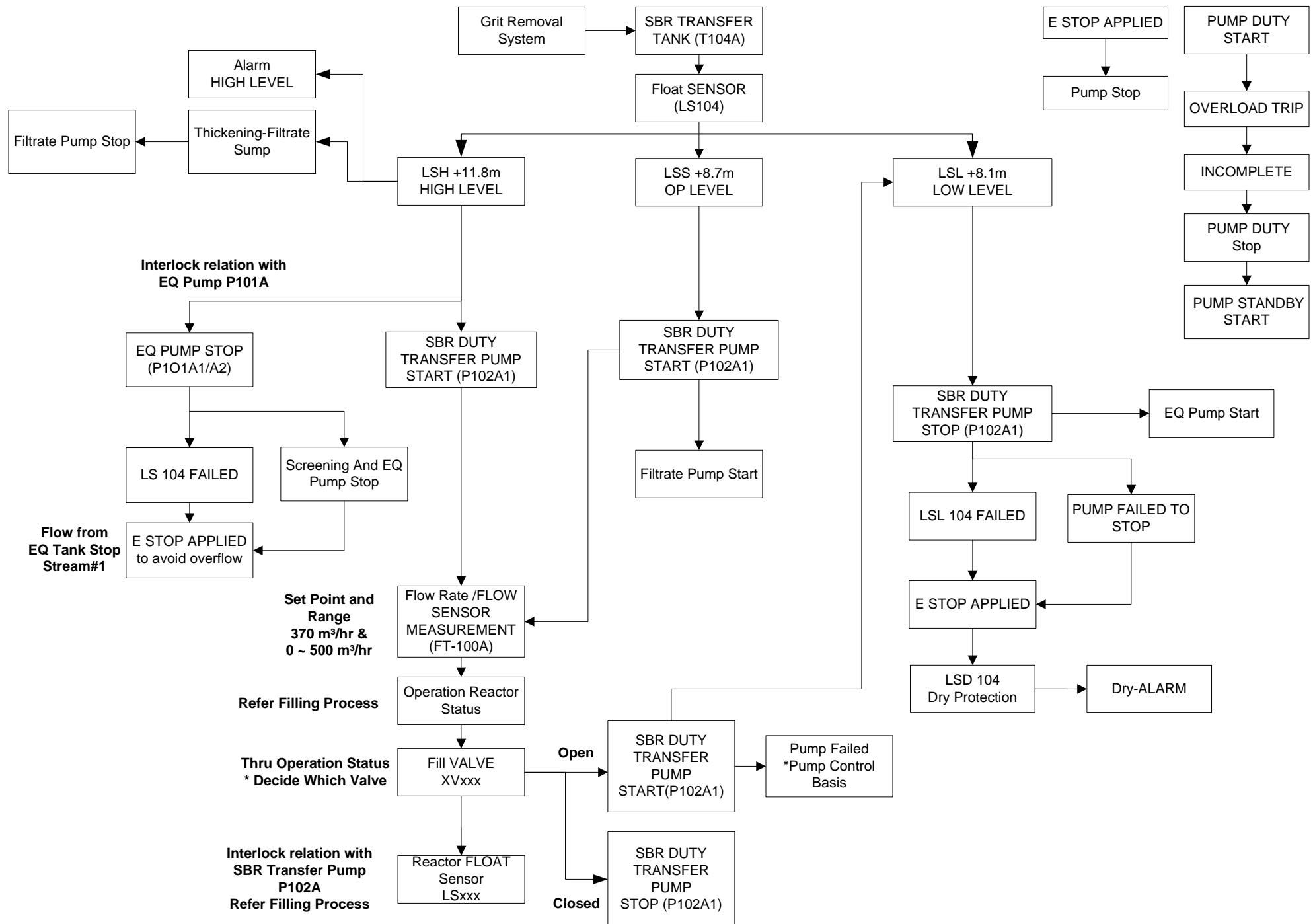


Change stream



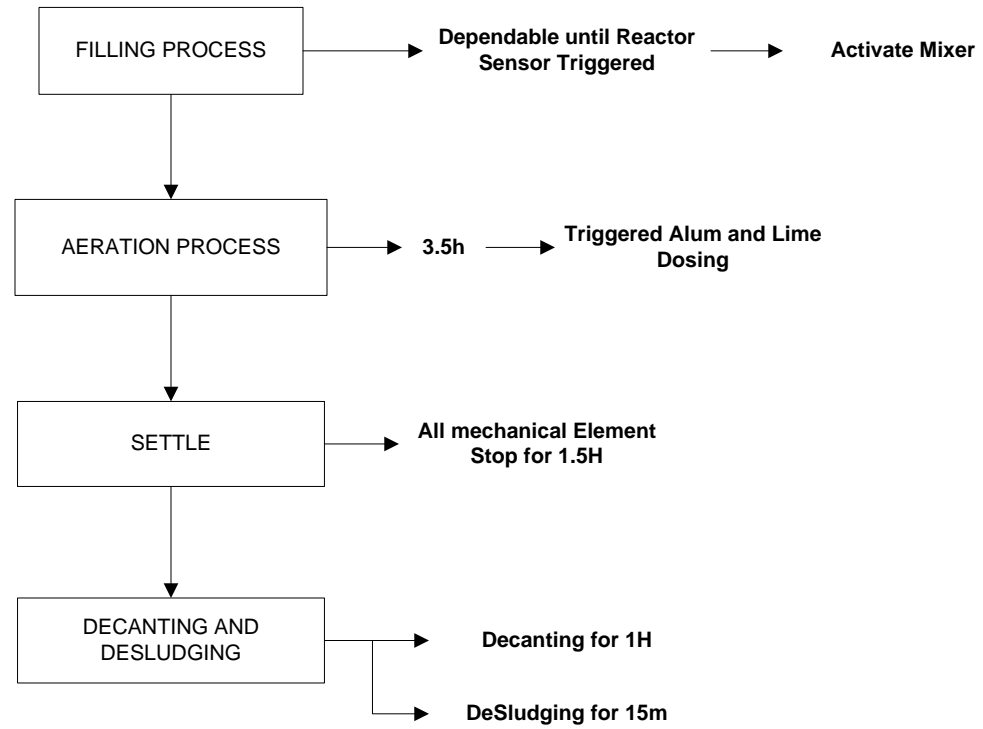
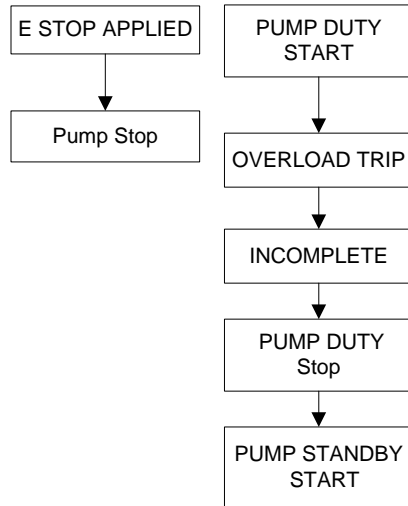
SBR TRANSFER TANK

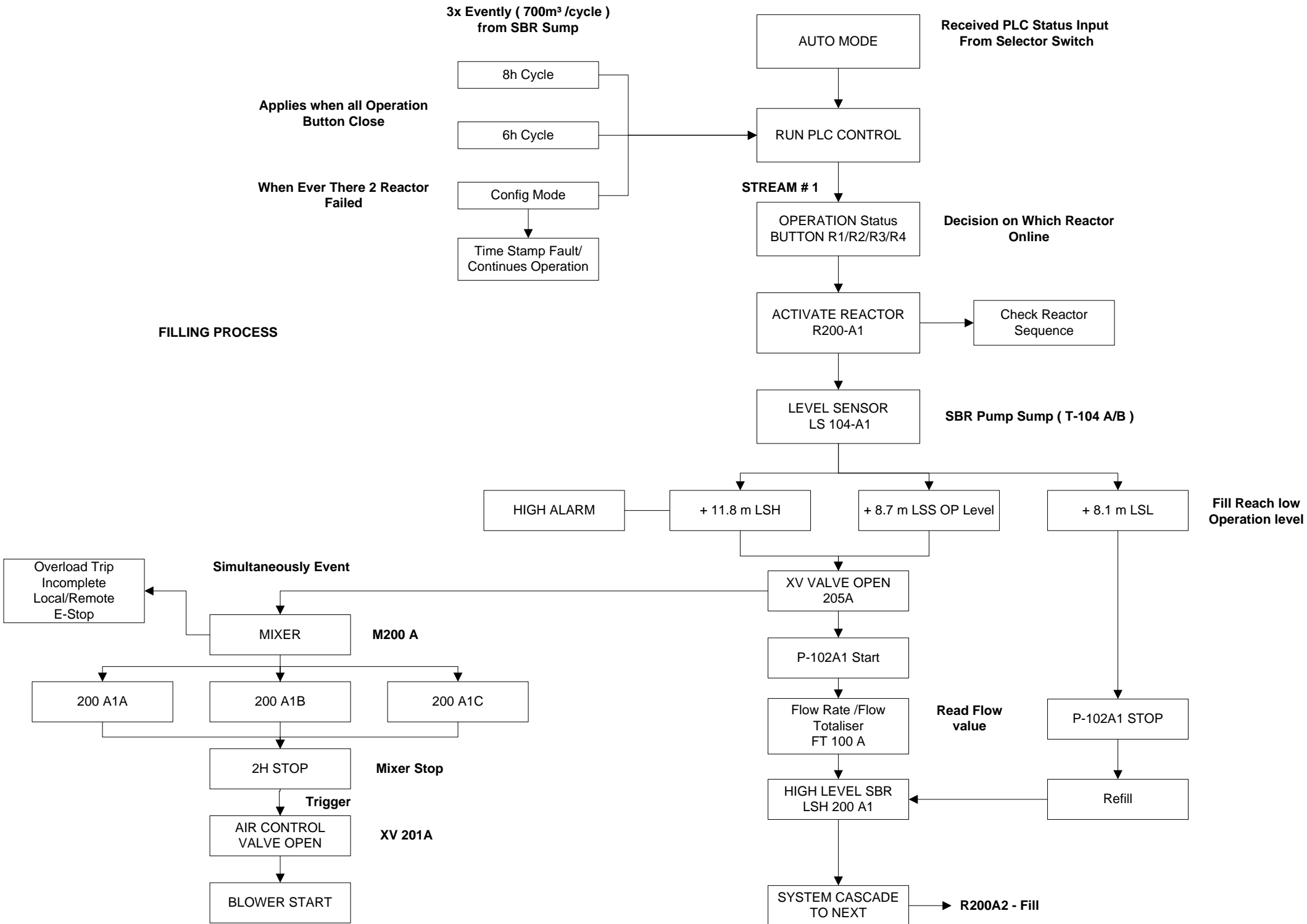
*Pump Control Basis



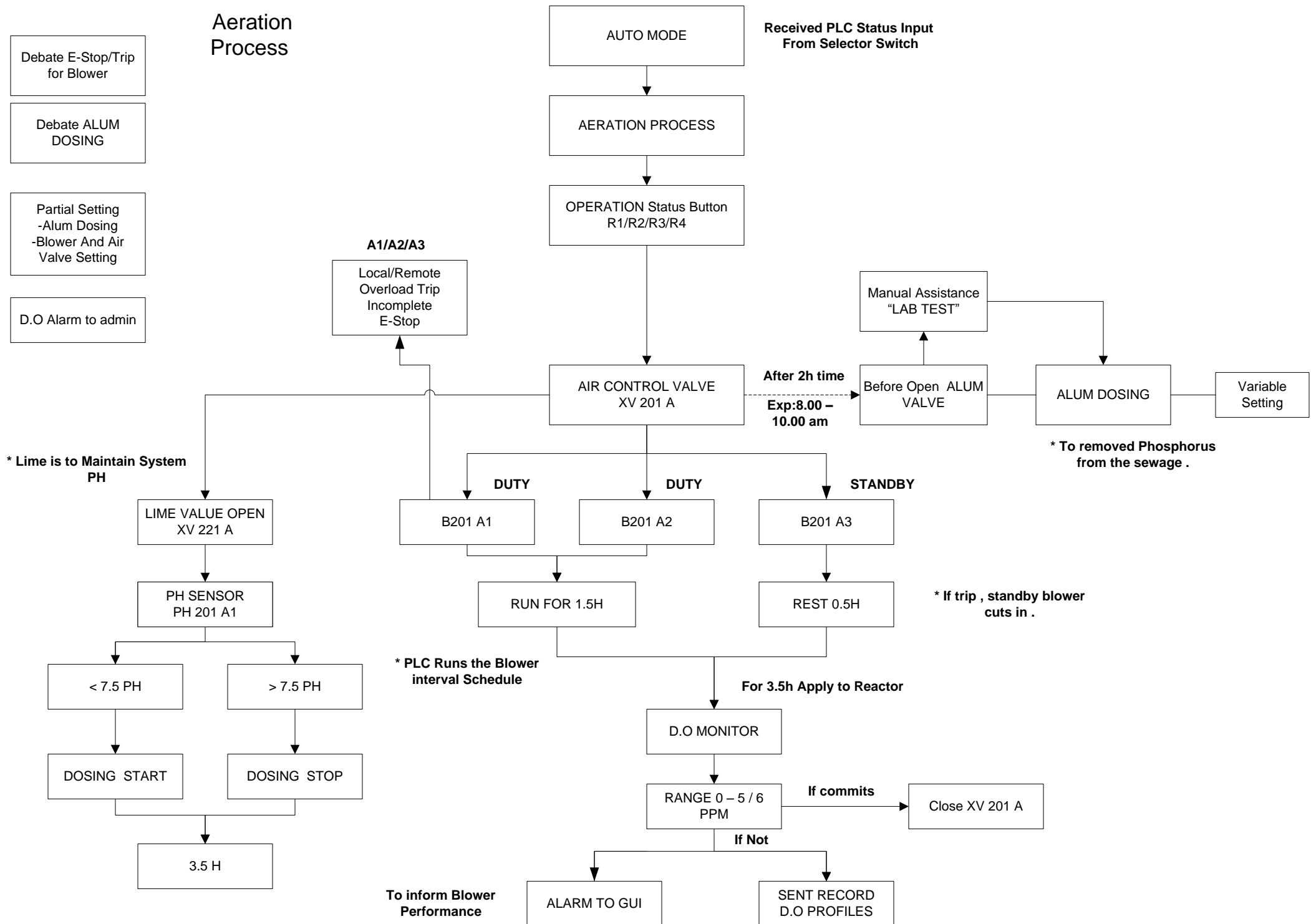
SBR Sequence

*Pump Control Basis

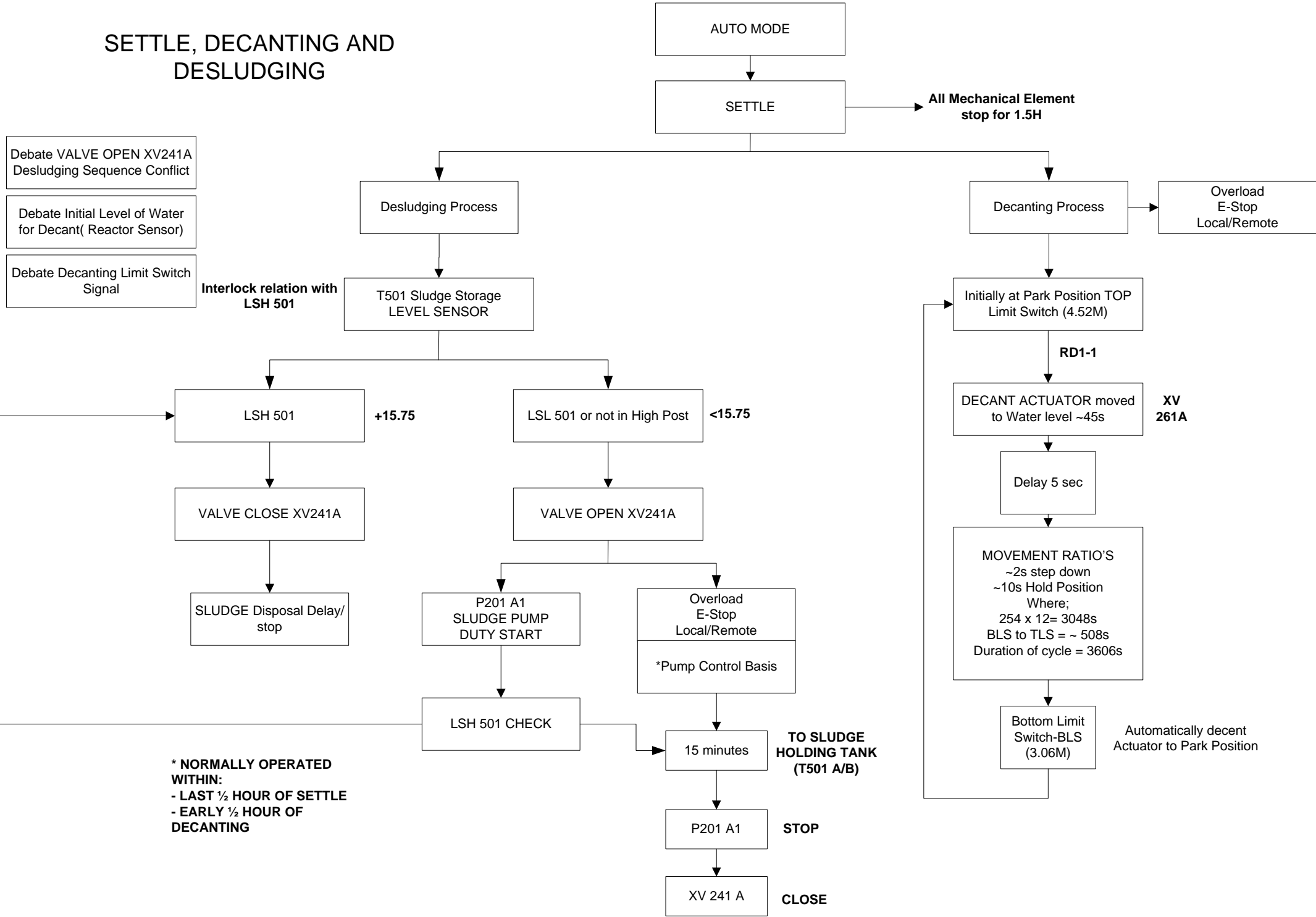




Aeration Process



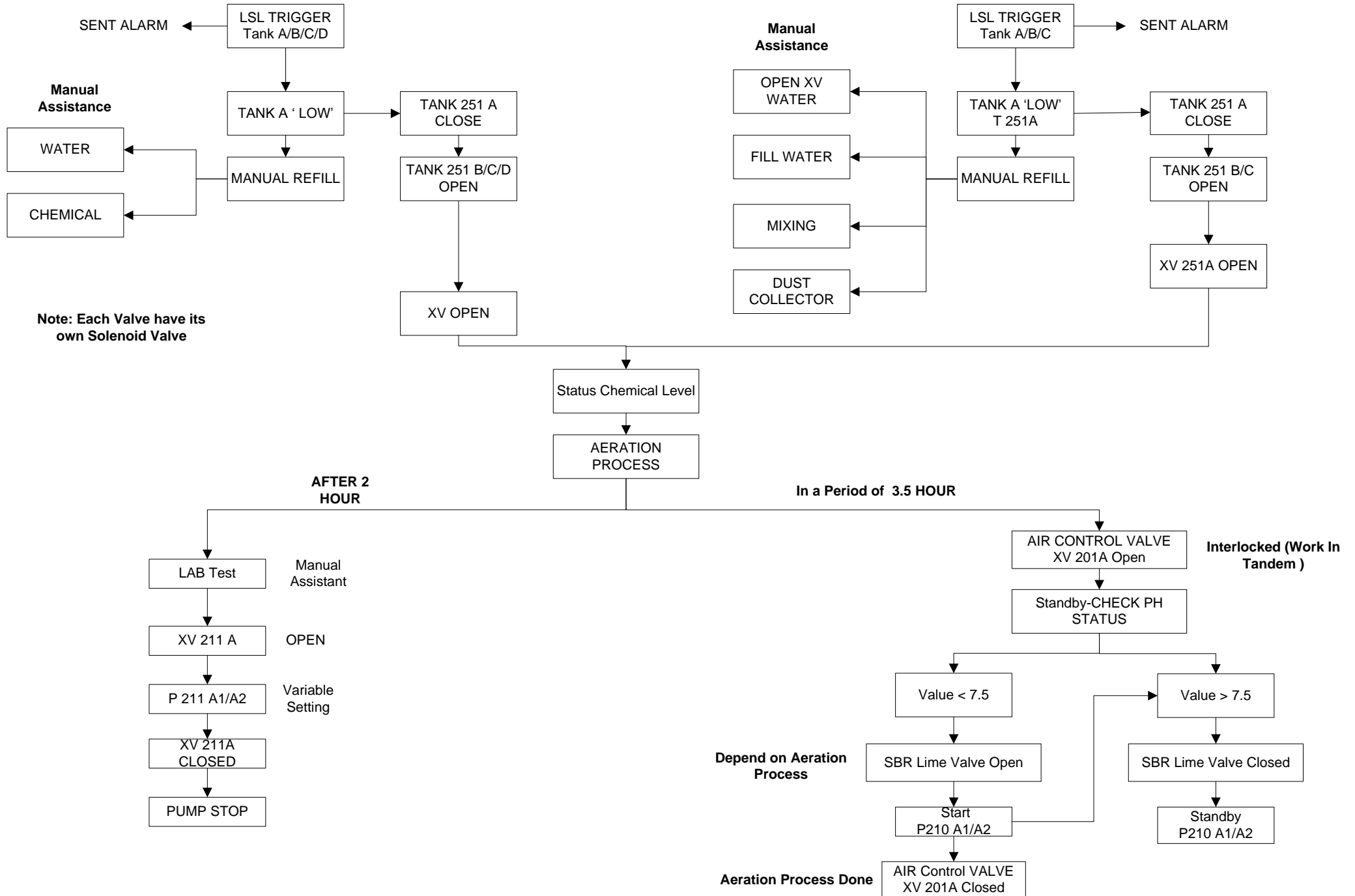
SETTLE, DECANTING AND
DESLUDGING



SBR DOSING

ALUM PREPARATION

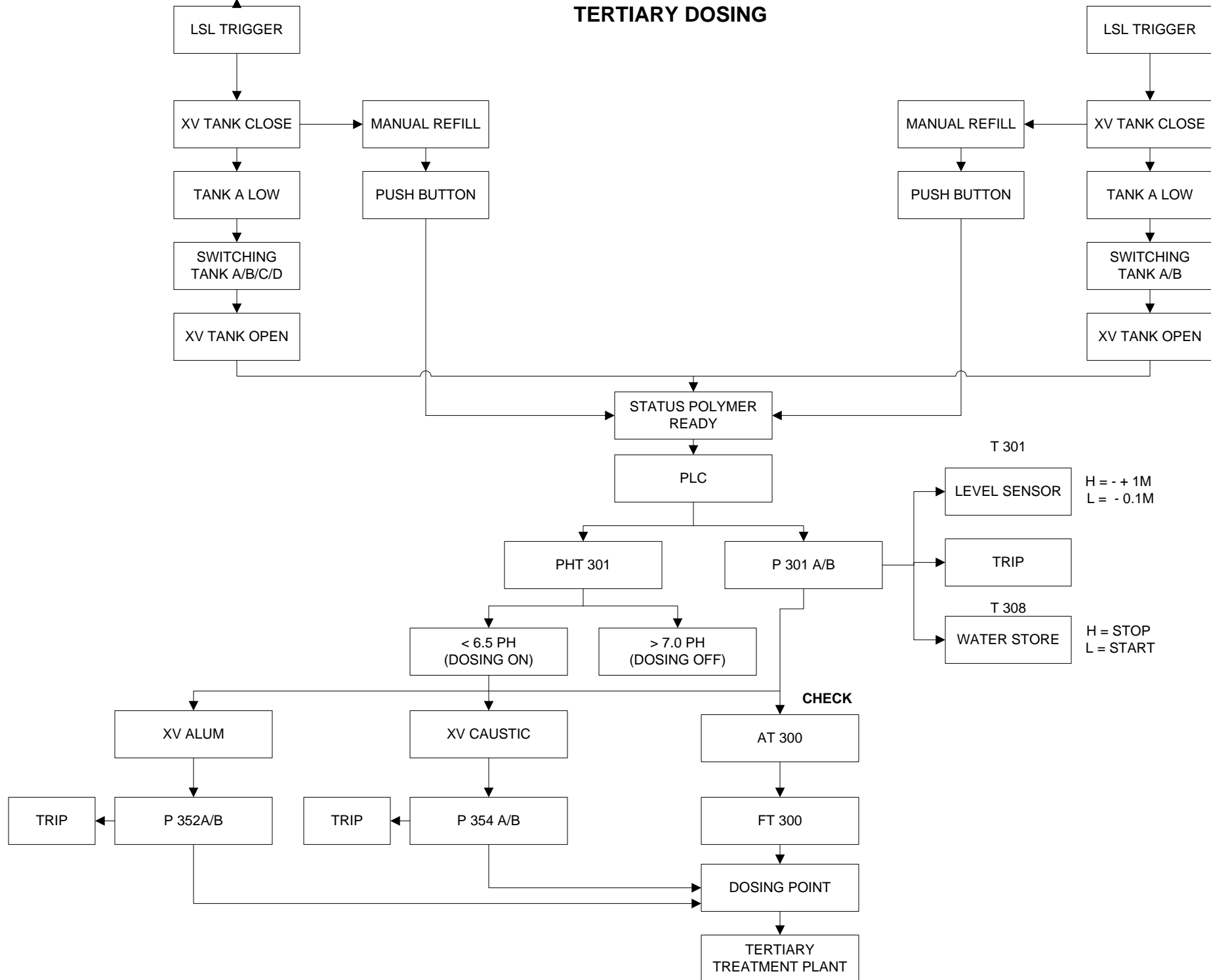
LIME PREPARATION



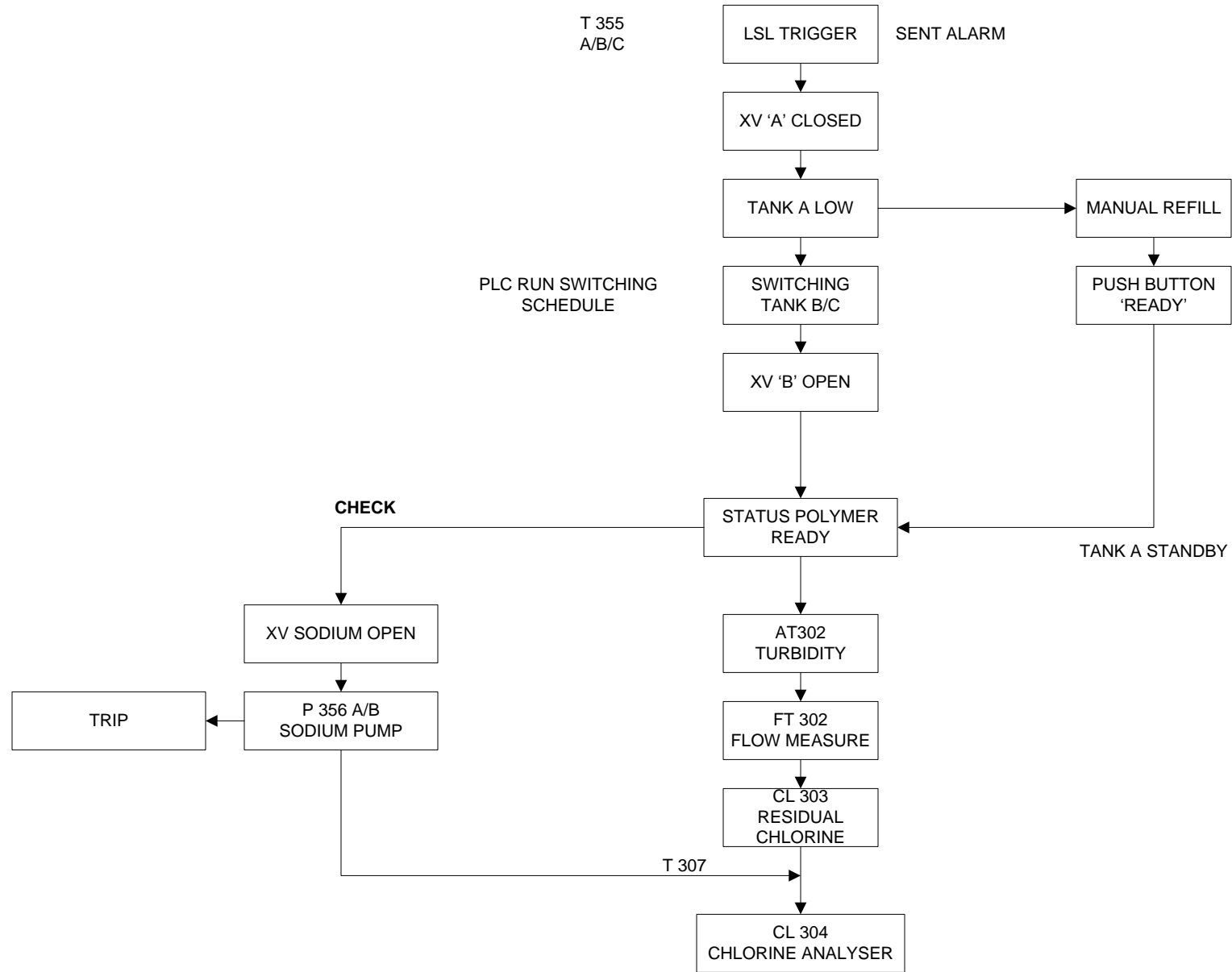
ALUM PREPARATION

TERTIARY DOSING

CAUSTIC PREPARATION

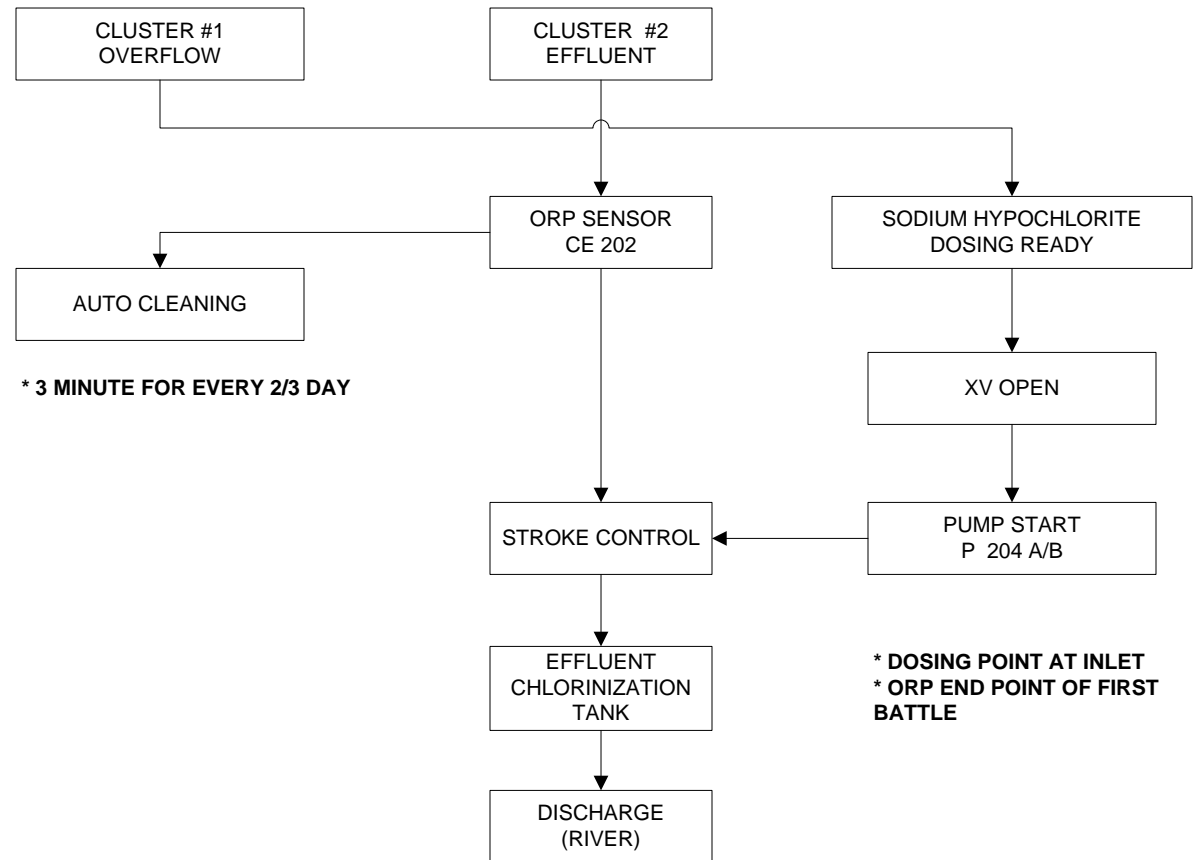


REUSED WATER DOSING

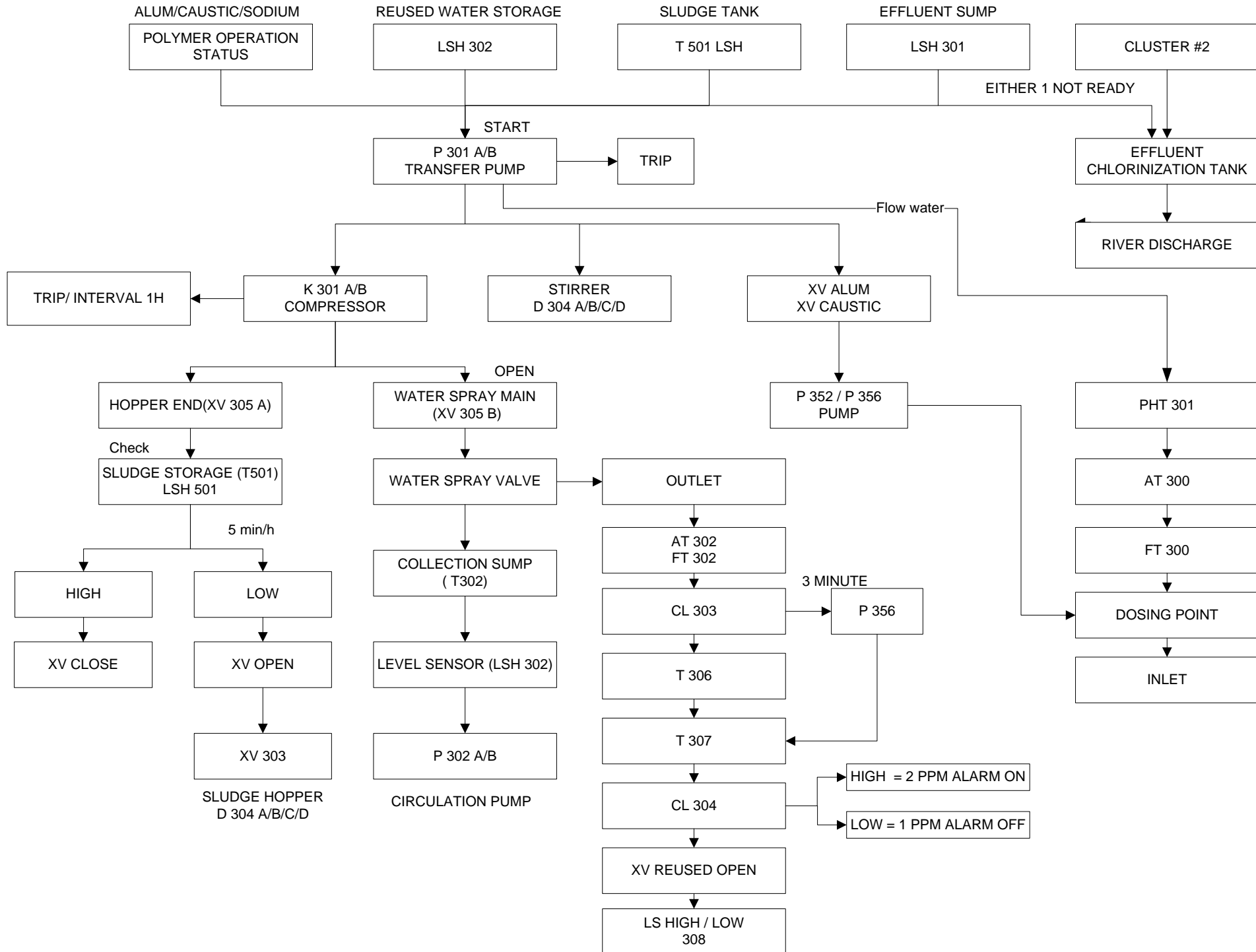


- ALARM STATUS**
- H – 2 PPM = ON
 - L – 1 PPM = OFF

EFFLUENT CHLORINIZATION TANK DOSING



TERTIARY TREATMENT PLANT



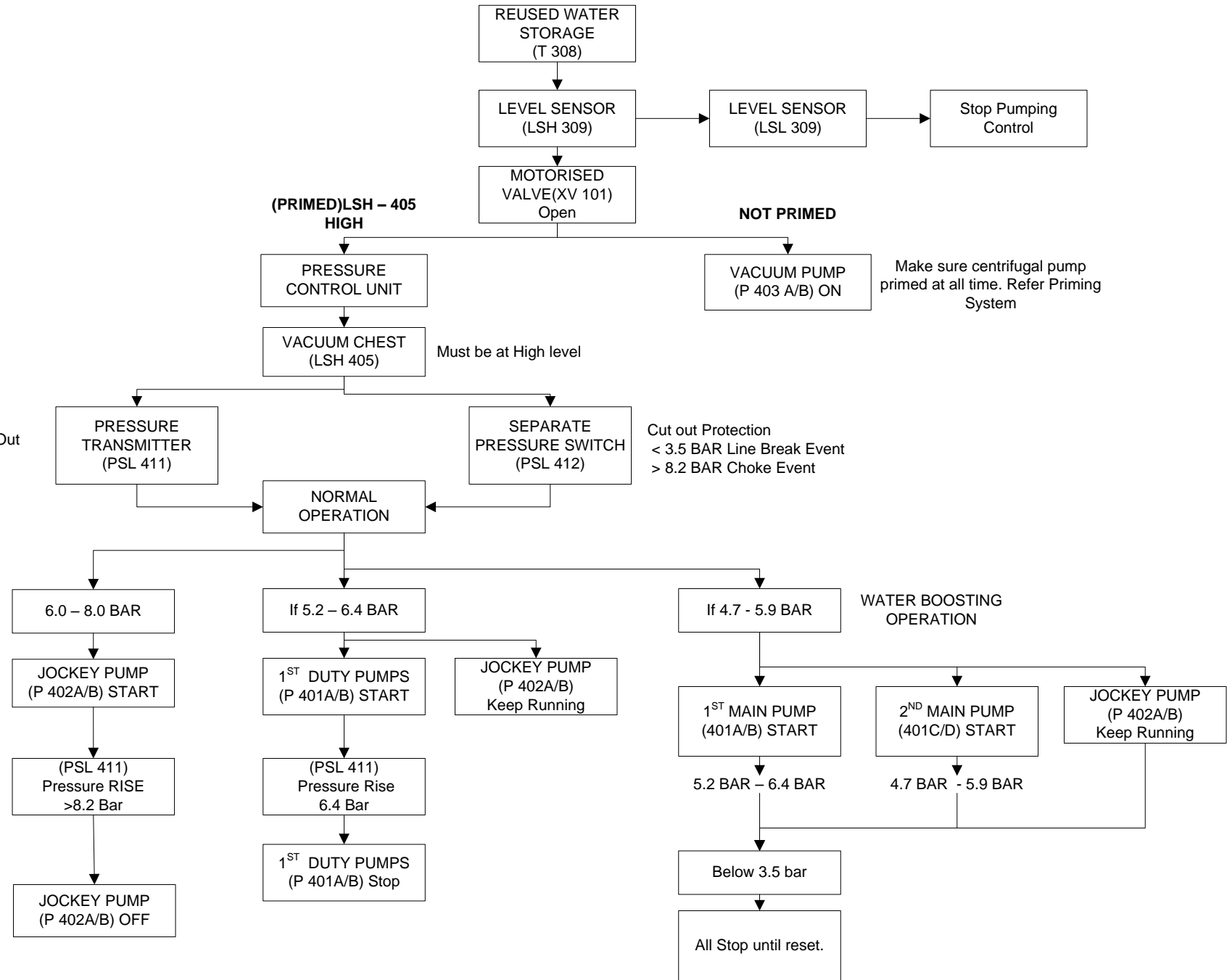
LEAD PUMP AND JOCKEY OPERATION

Debate existence of
MOTORISED
VALVE(XV 101)

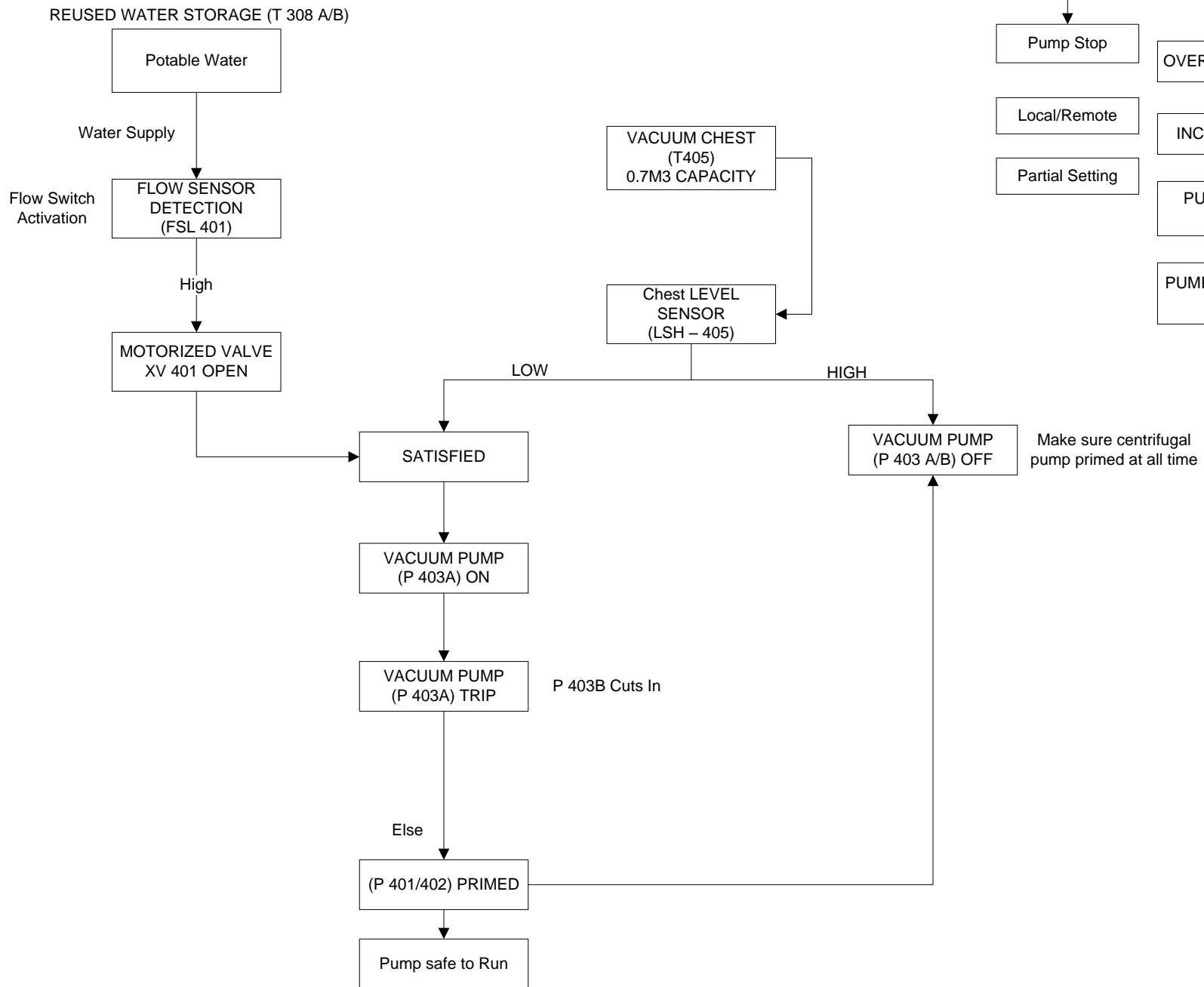
Debate Duty/Standby
Operation
1ST
DUTY PUMPS
(P 401A/B)

Pressure Curve

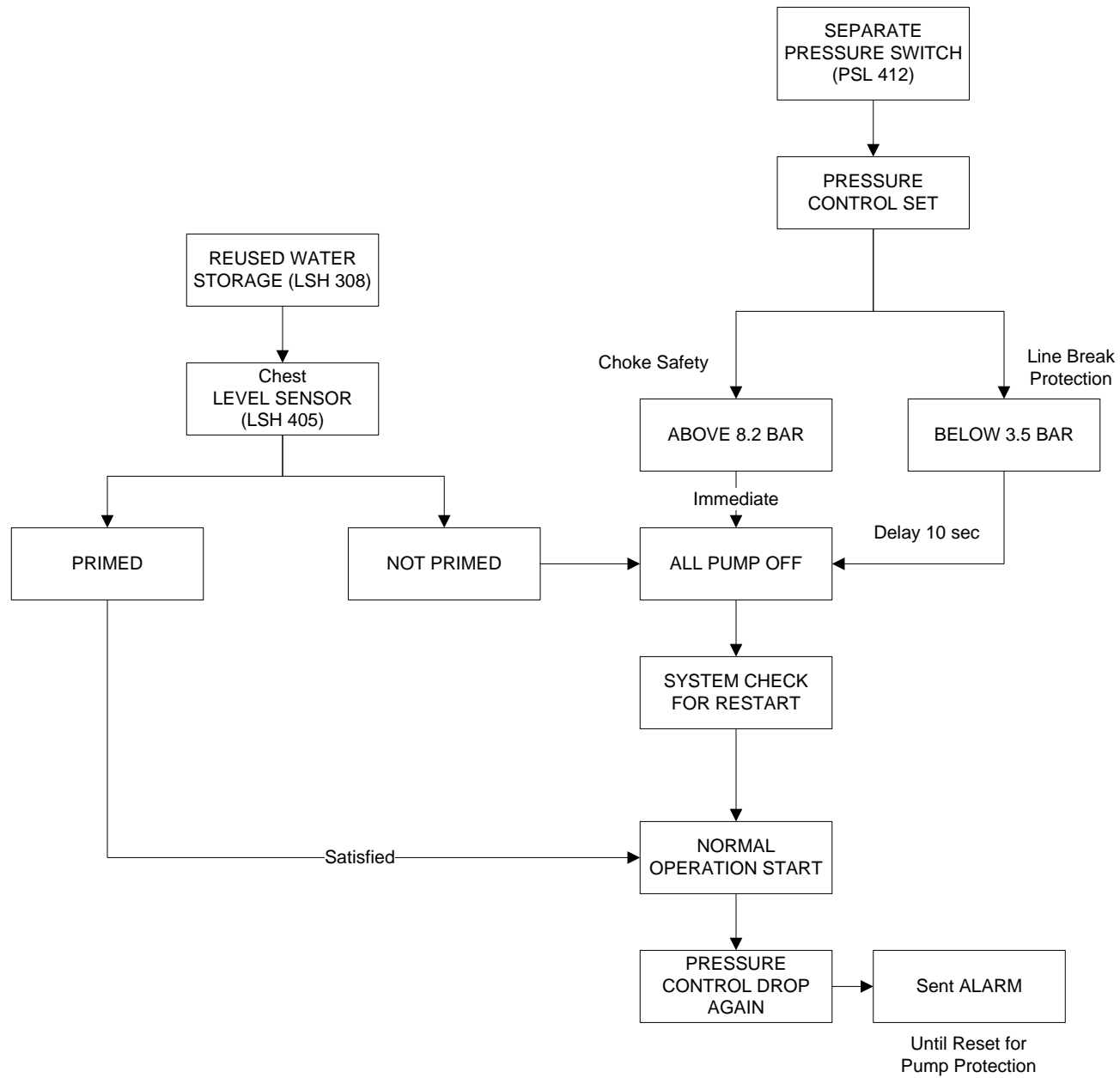
Maintained system
Pressure



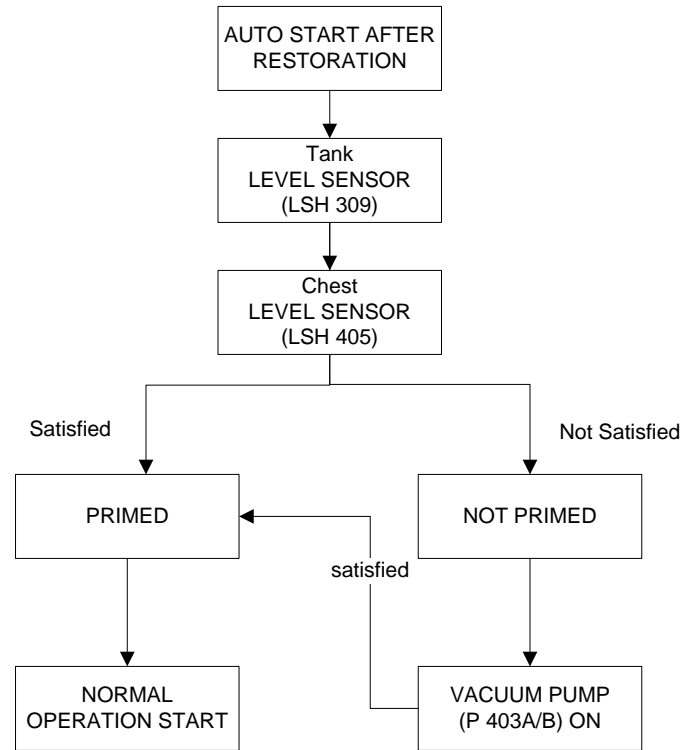
VACUUM PRIMING SYSTEM



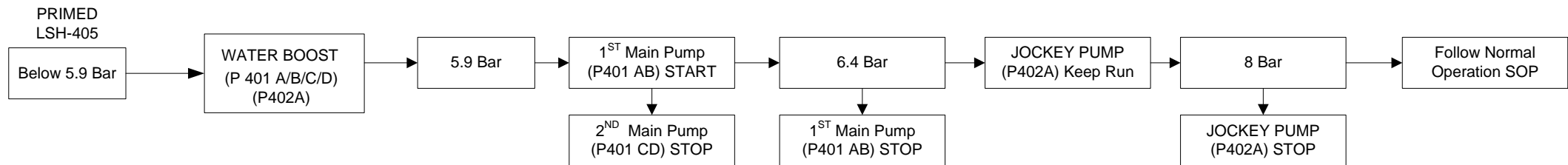
LINE BREAK AND CHOKE PROTECTION



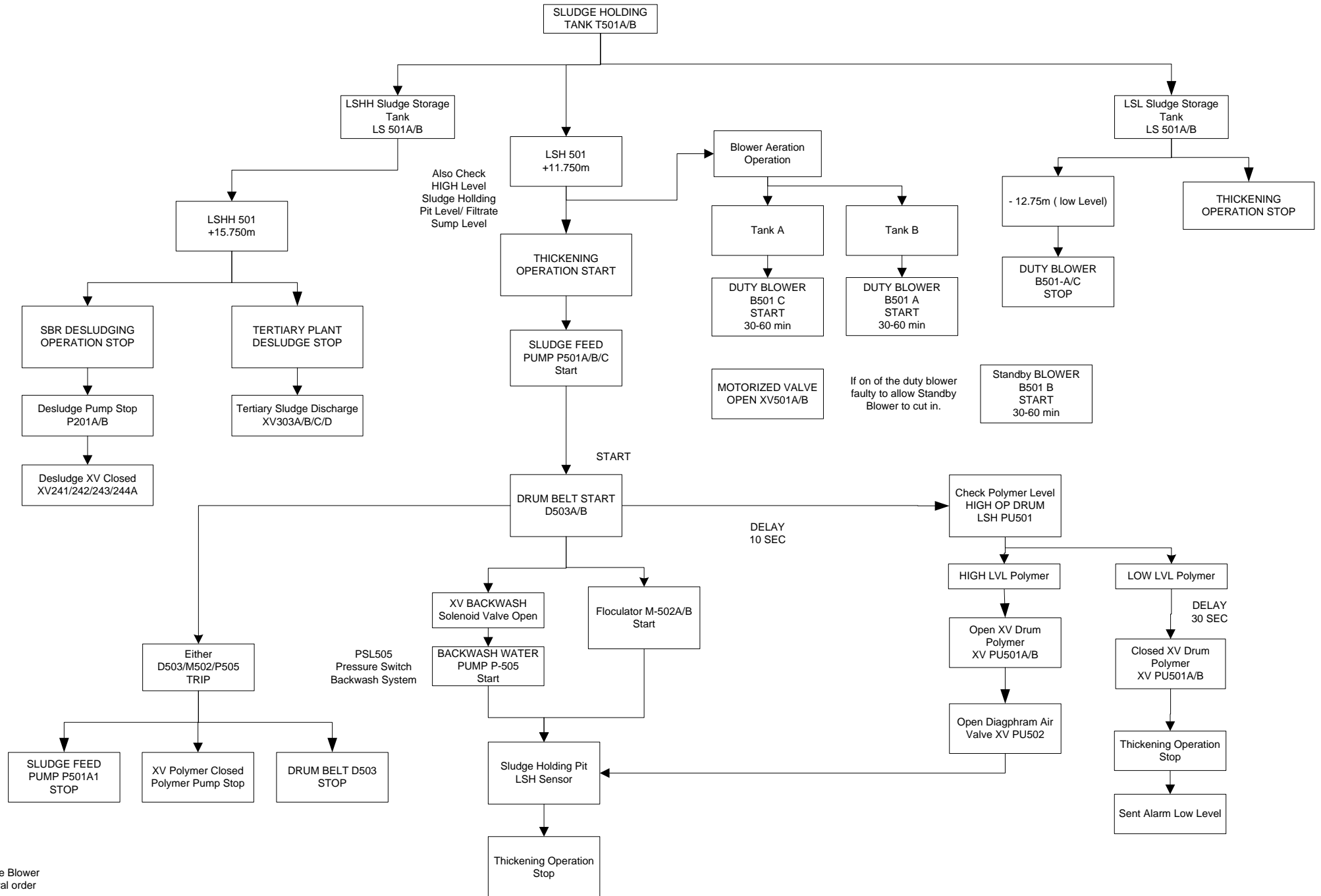
POWER RESTORATION



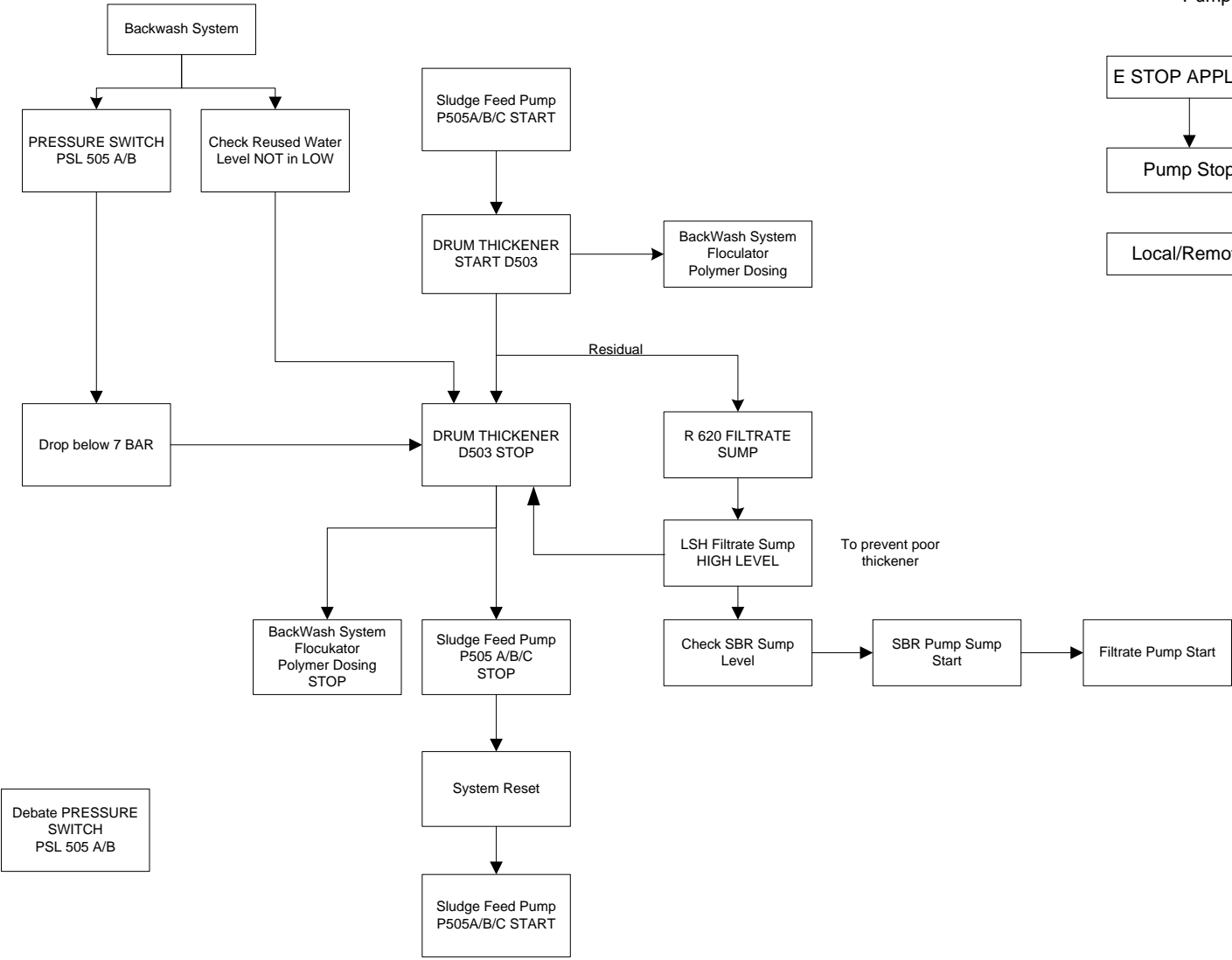
PUMP SCHEDULE OPERATION



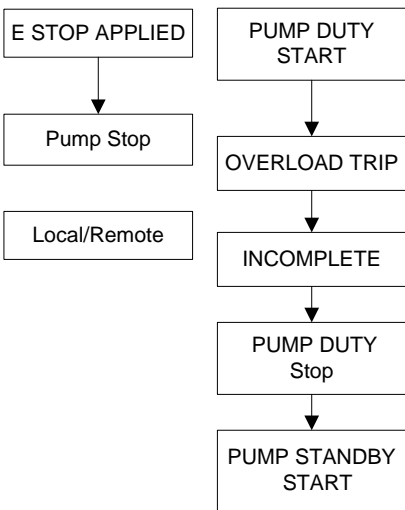
SLUDGE HOLDING TANK



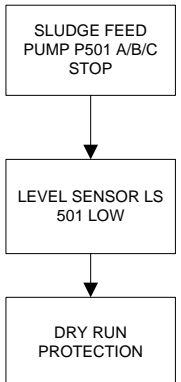
THICKENER BACKWASH
Continued



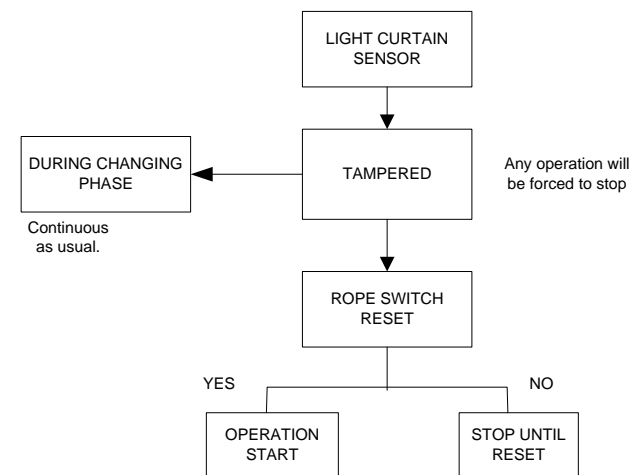
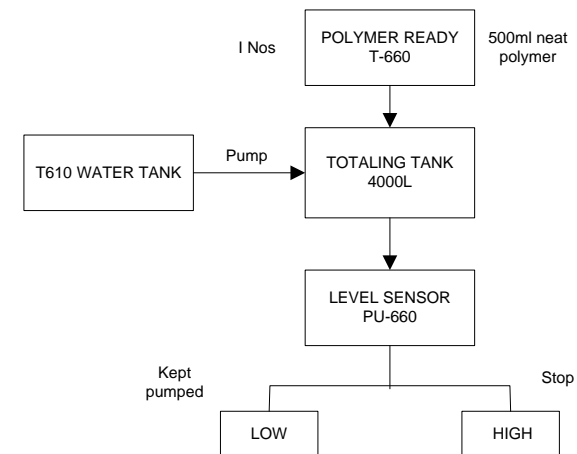
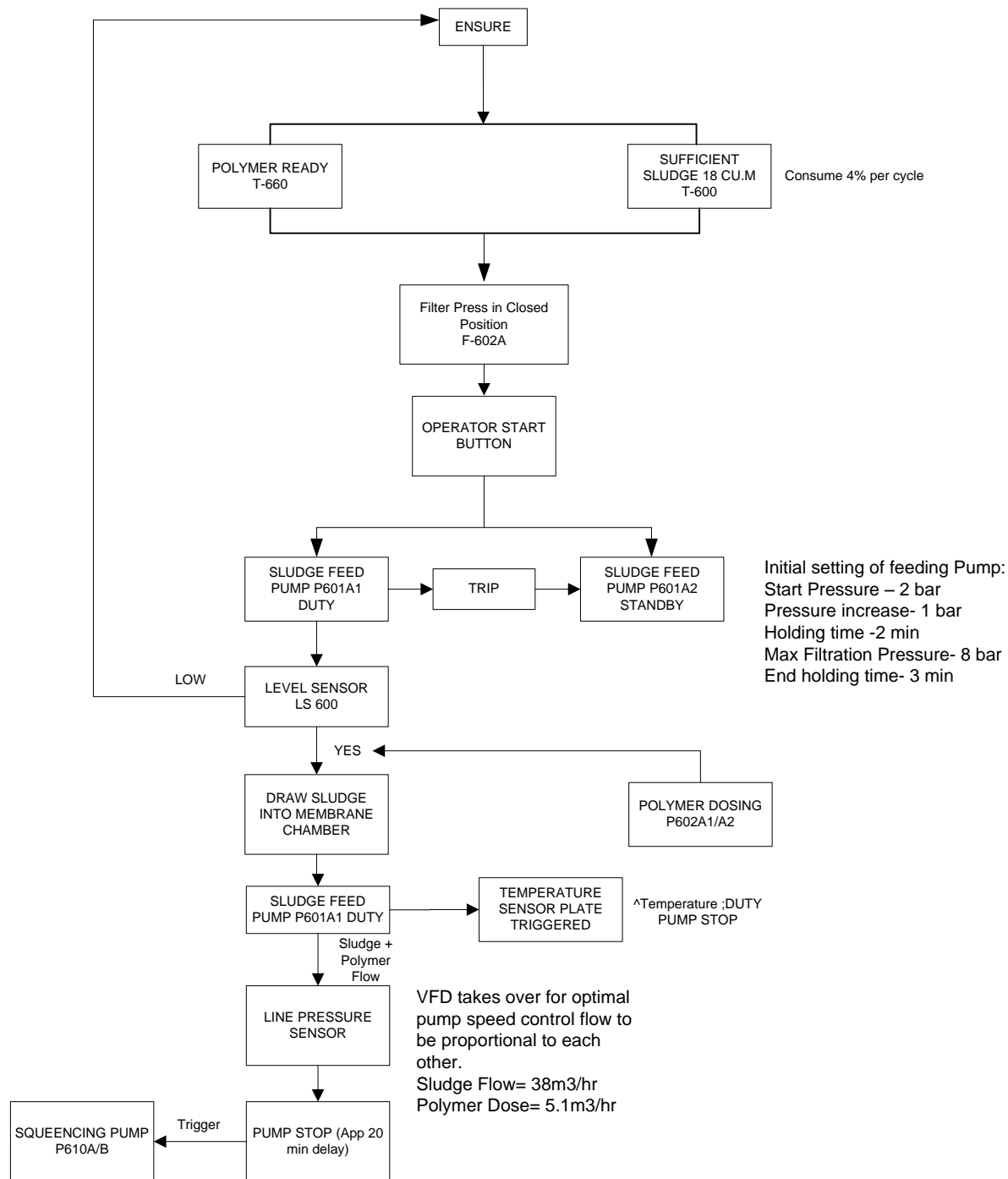
*Pump Control Basis



DRY RUN PROTECTION

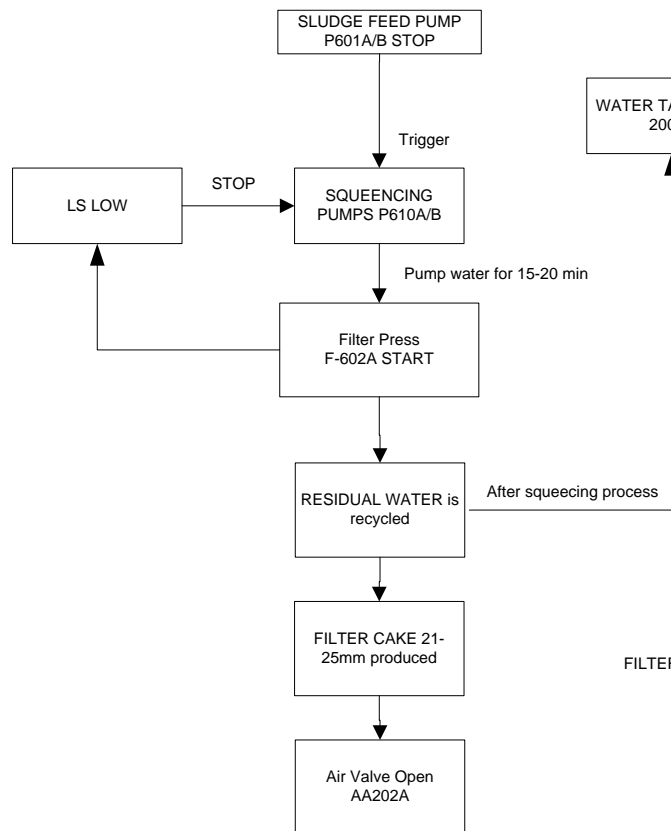


SLUDGE PRESS OPERATION PREPARATION

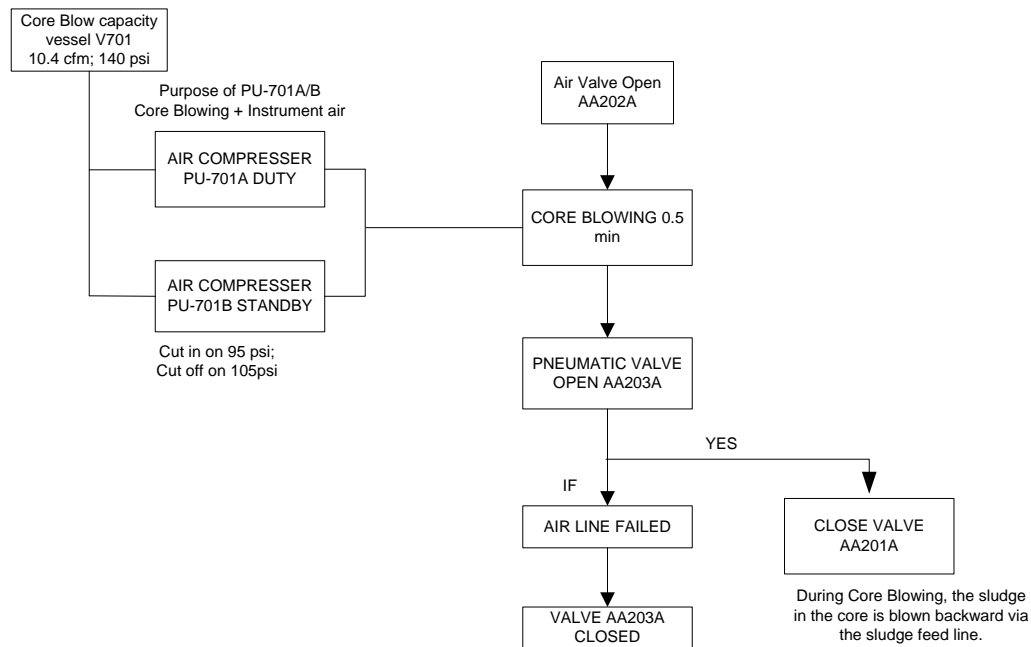


Hydraulic cylinder will be close after operation initiated at the beginning of the next cycle.
Hydraulic cylinder pressure drop to allow filter plates to opened and sludge cakes drop.

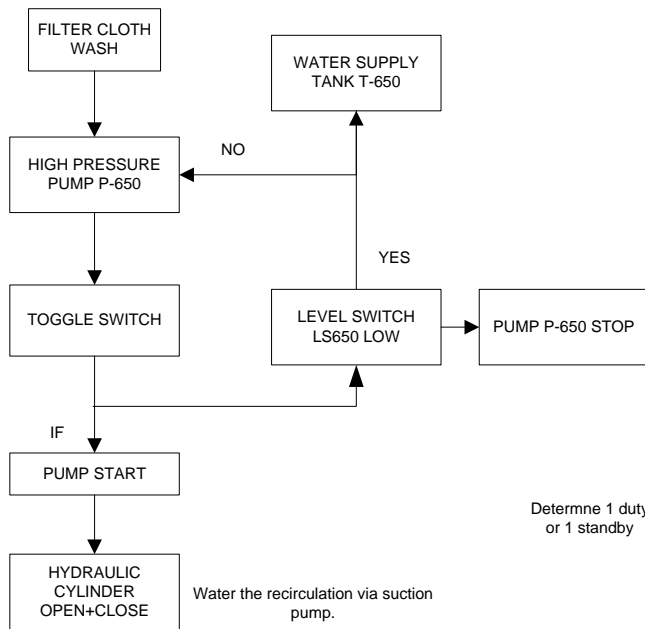
MEMBRANE SQUEECING PROCESS



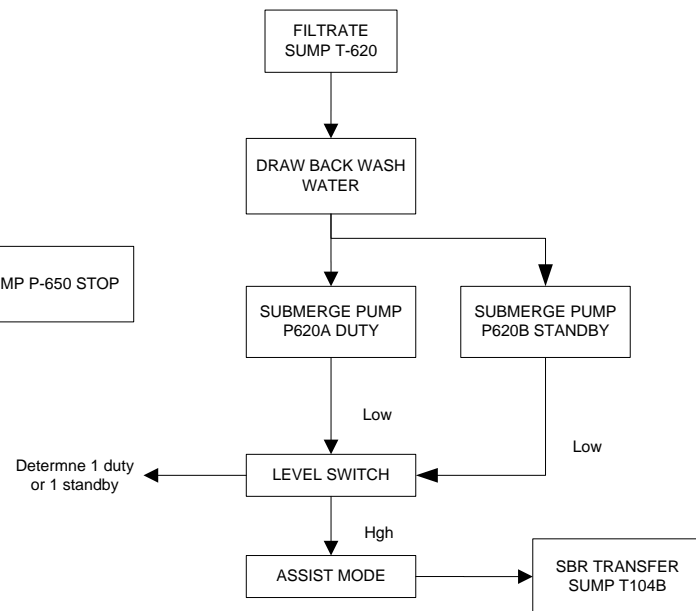
CORE BLOWING



FILTER CLOTH WASH



FILTRATE SUMP T-620



VE801ASuction Fan On /
OffP802ACirculation Pump 1
On / OffP803ACirculation
Pump 2 On /
OffP804ACirculation Pump 3
On / OffP805A1H2S04 Pump
1 On / OffP805A2H2S04
Pump 2 On /
OffP806A1NAOH Pump 1
On / OffP806A2NAOH Pump
2 On / OffP807A1NAOCL
Pump 1 On /
OffP807A2NAOCL Pump 2
On / Off