

Overpressure in scrubber device and venturi

Or 1

Manual gate valve 2.1 fails to close

Inlet monitor system fails to function

Overpressure created by failure in scrubbing water supply pump inlet

Manual gate valve 2.22 fails to close

Control valves in scrubber system fails to control seawater pressure

Blockage inside scrubber device

Drainpipe 3.15 blocked

Exhaust outlet 3.16 blocked by impurities

P2

P3

P4

P5

P6

FTC

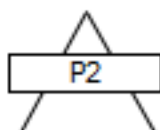
FTC

PLU

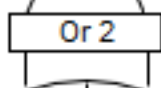
Basic 1

Basic 2

Basic 3



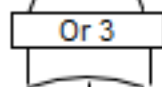
Inlet monitor system  
fails to function



Manual gate valve 1.2  
fails to close

Manual gate valve 1.3  
fails to close

Electronics and  
sensing element in  
inlet monitor 1.1 fails to  
function



FTC

FTC

FTF

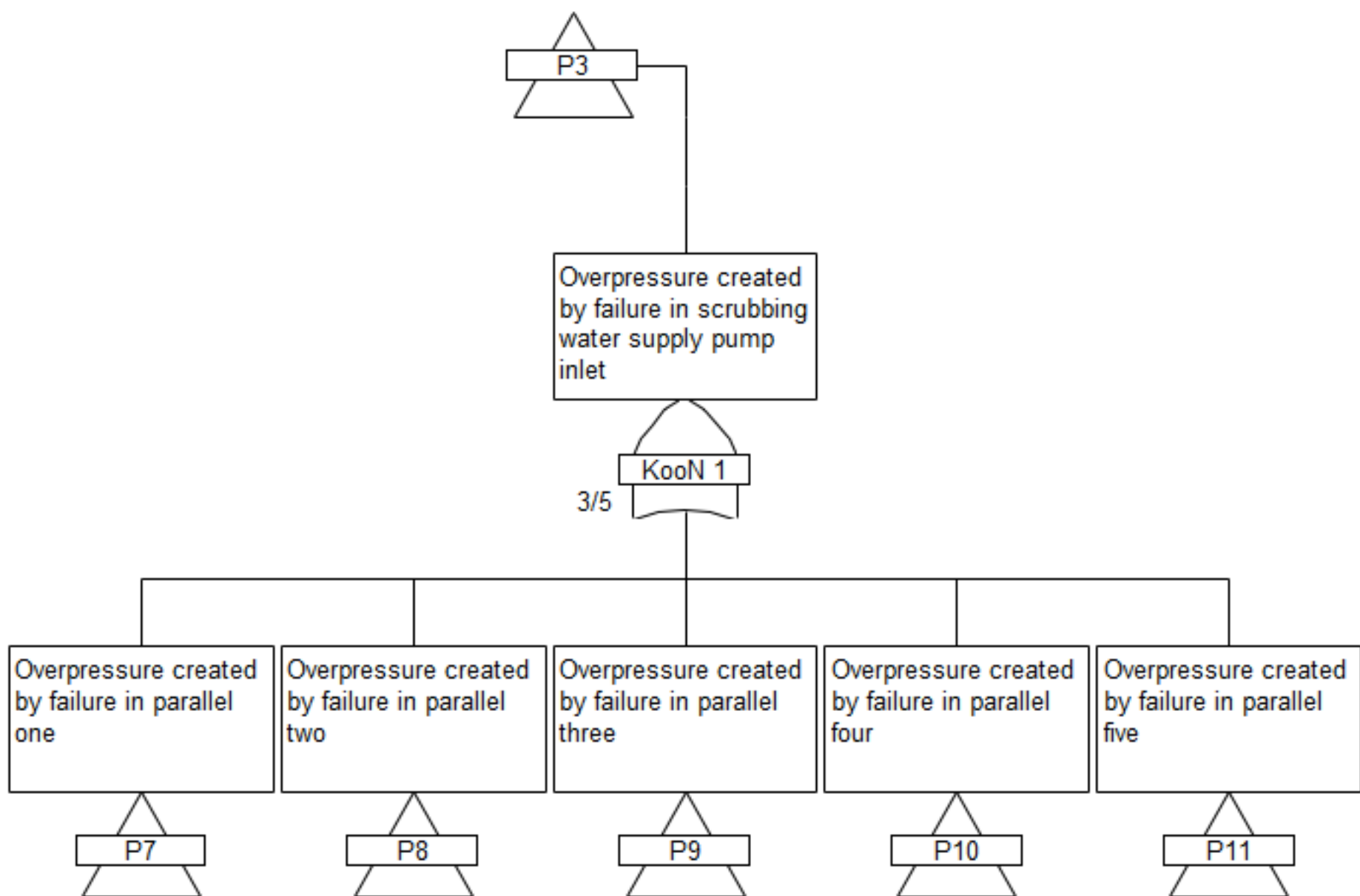
SPO

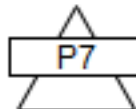
Basic 4

Basic 5

Basic 6

Basic 7





Overpressure  
created by failure  
in parallel one

Or 4

Manual gate  
valve 2,2 fails to  
close

Overpressure by  
centrifugal pump  
2.3

Manual gate  
valve 2,4 fails to  
close

FTC

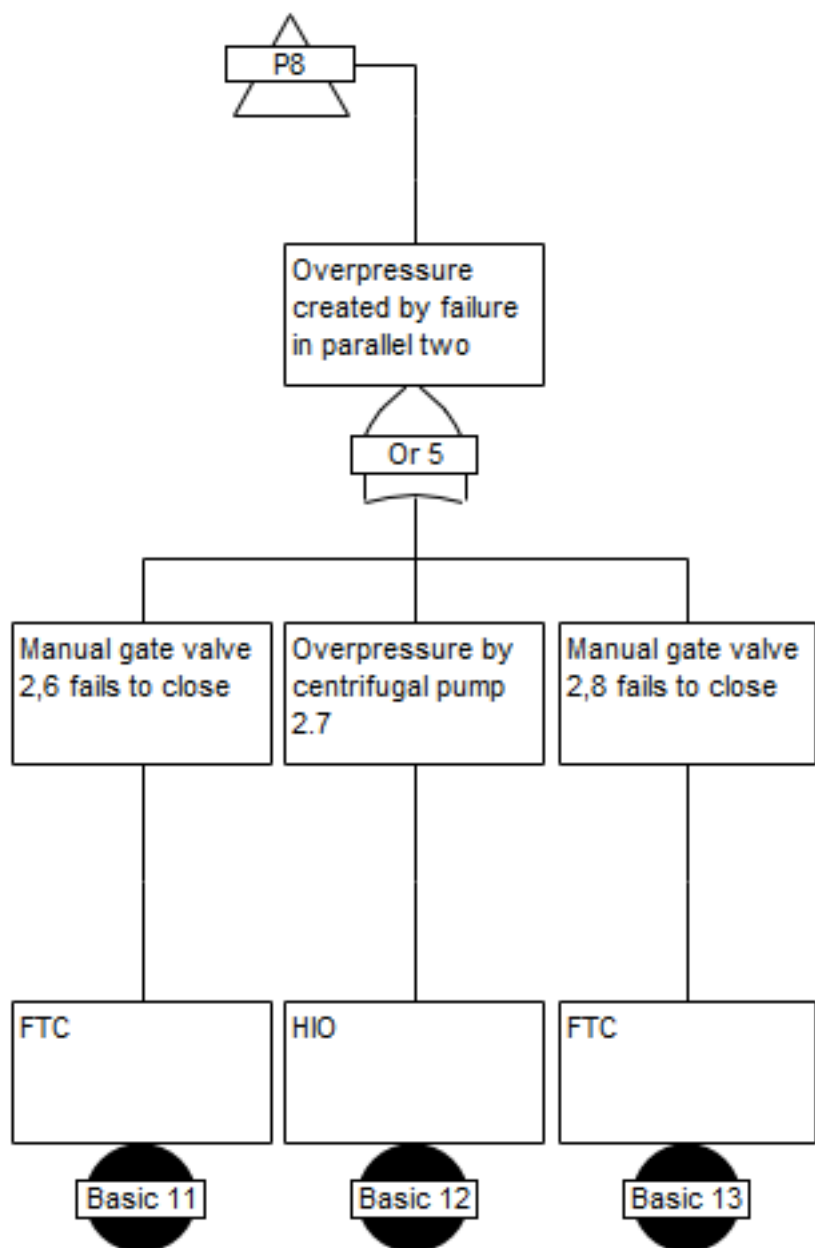
HIO

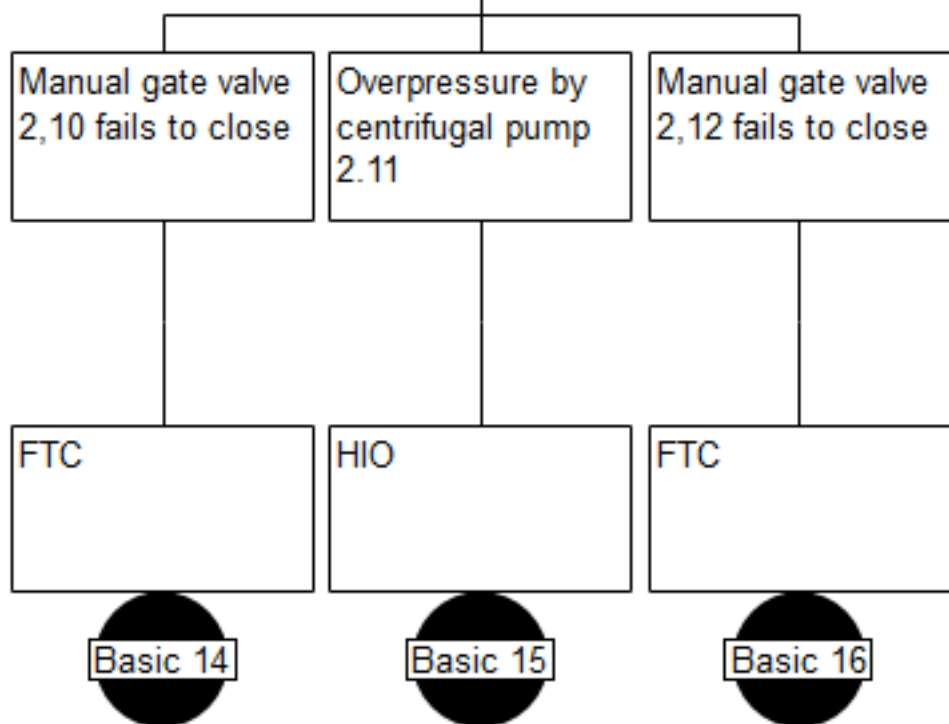
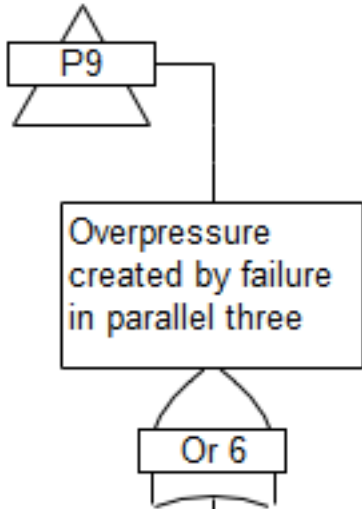
FTC

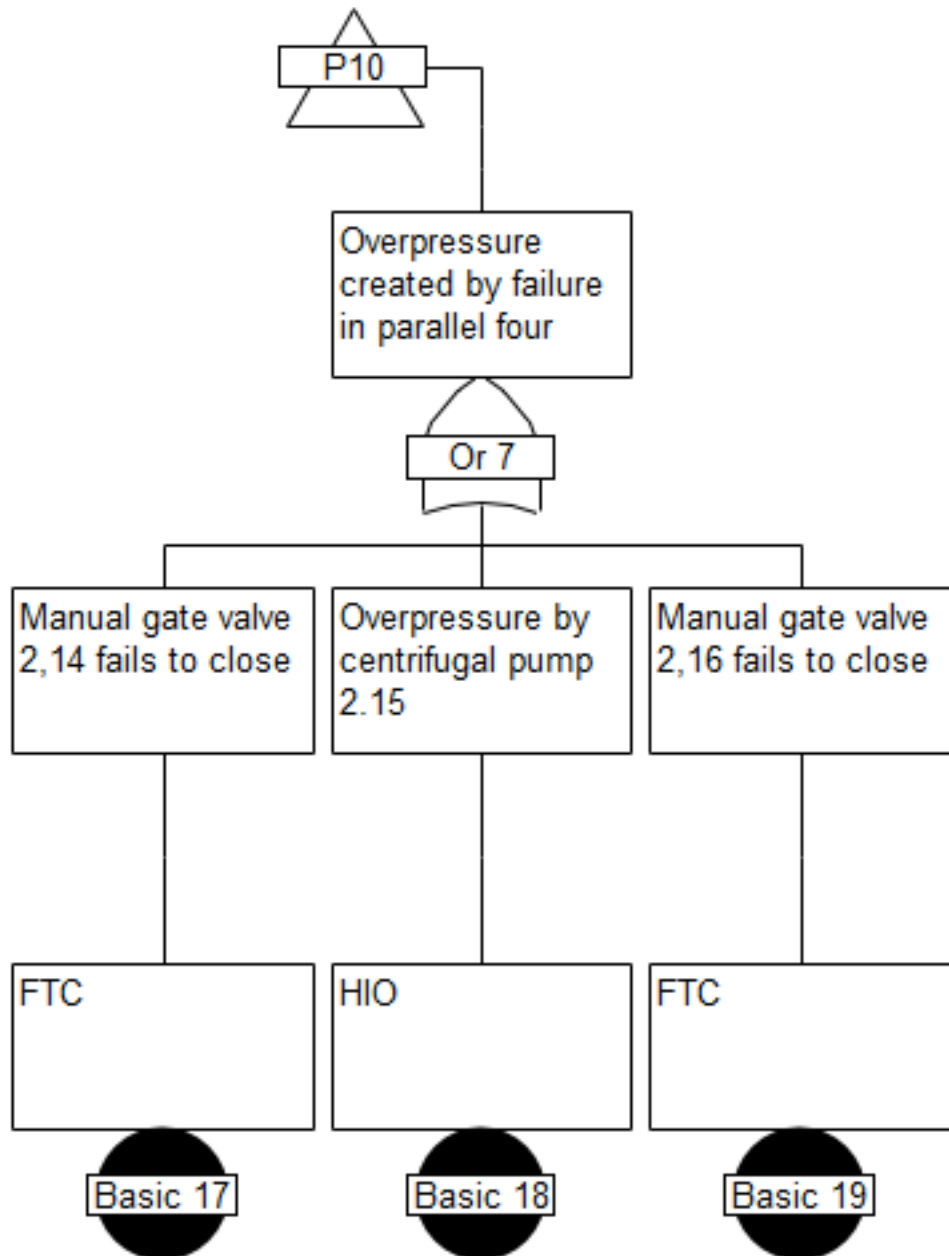
Basic 8

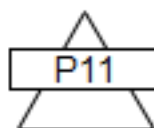
Basic 9

Basic 10









Overpressure  
created by failure  
in parallel five

Or 8

Manual gate valve  
2,18 fails to close

Overpressure by  
centrifugal pump  
2.19

Manual gate valve  
2,20 fails to close

FTC

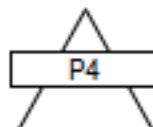
HIO

FTC

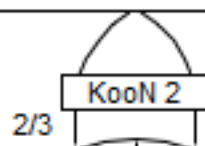
Basic 20

Basic 21

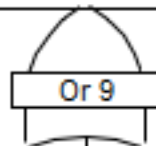
Basic 22



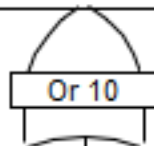
Control valves in scrubber system fails to control seawater pressure or close



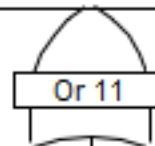
Control valve 3.1 fails to control seawater pressure or close



Control valve 3.2 fails to control seawater pressure or close



Control valve 3.3 fails to control seawater pressure or close



FTC

AIR

FTC

AIR

FTC

AIR

Basic 23

Basic 24

Basic 25

Basic 26

Basic 27

Basic 28

