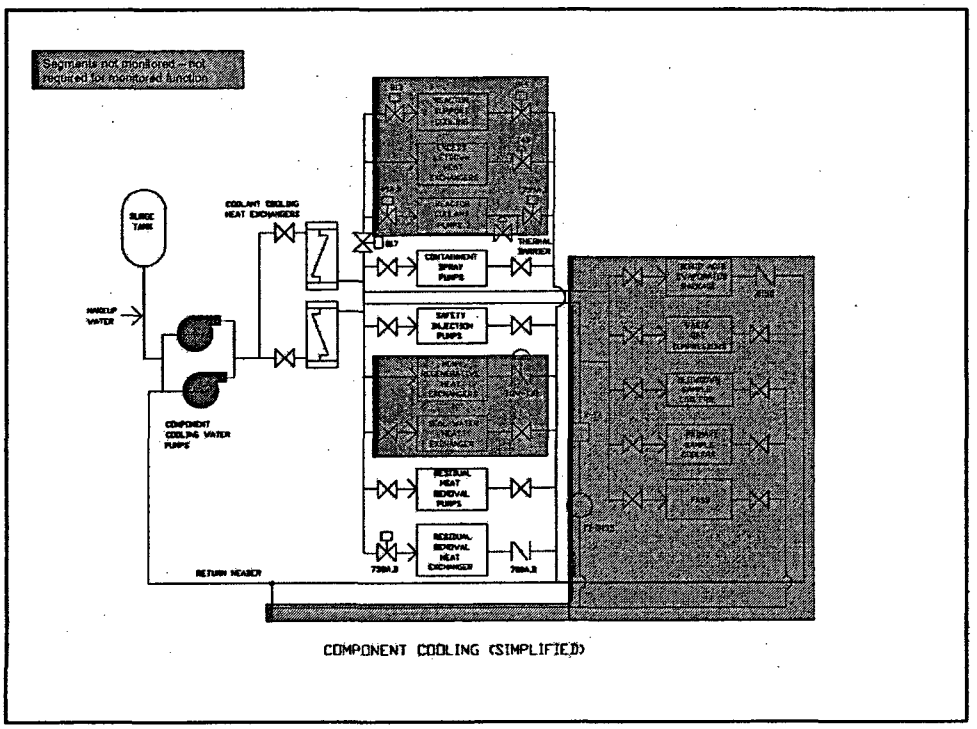
Attachment 6

Segments

- Rules for segments
  - Parallel flow sections are defined as individual segments
  - Series flow sections are defined a one segment
  - Common headers are defined as one segment

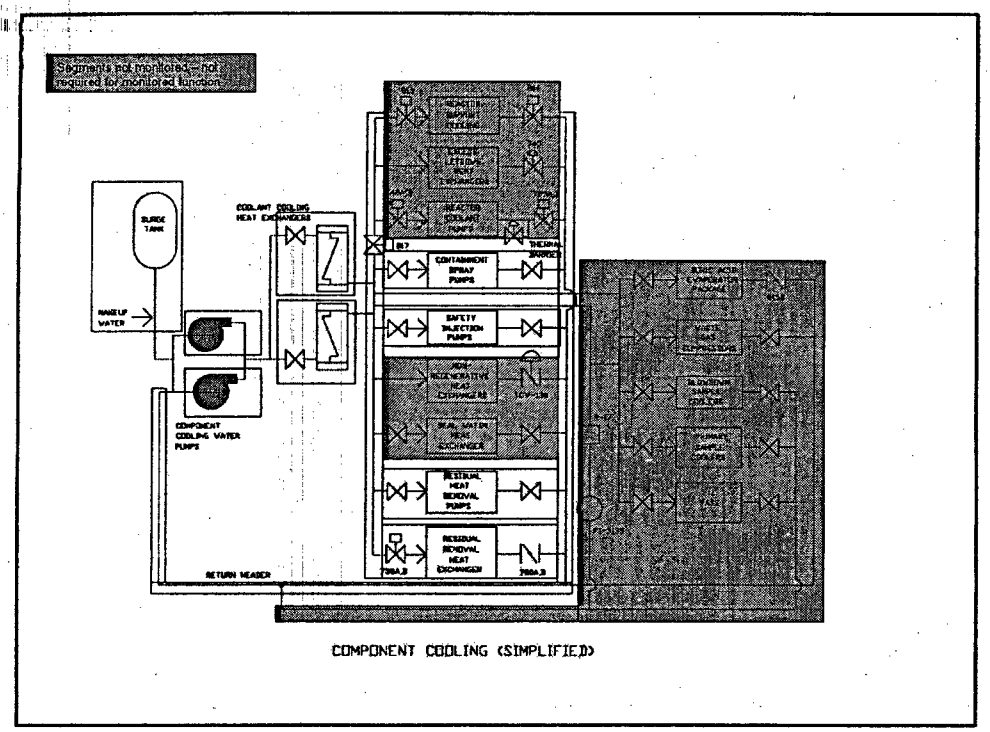
Segments Step 1

- Define the System Boundary – all parts of the system required to achieve the monitored function



Segments Step 2

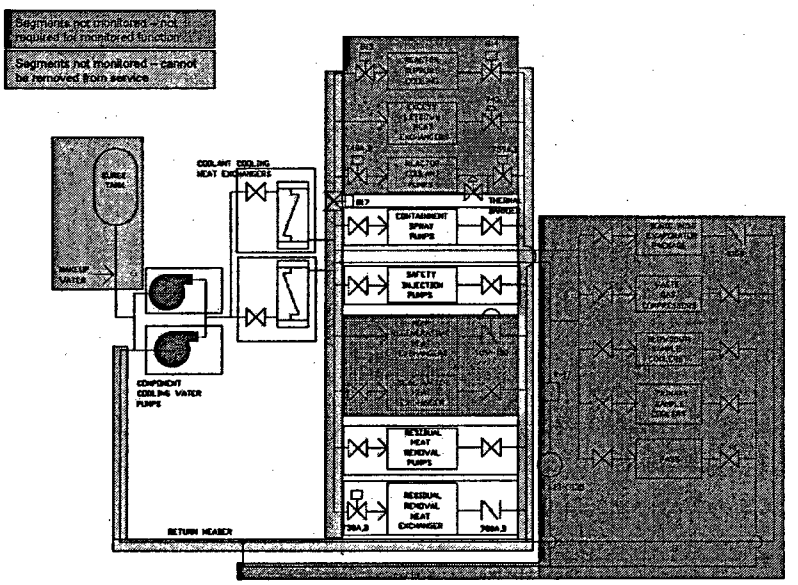
- Divide the Monitored parts of the system into segments
  - Parallel flow sections are defined as individual segments
  - Series flow sections are defined as one segment
  - Common headers are defined as one segment



COMPONENT COOLING (SIMPLIFIED)

Segments Step 3

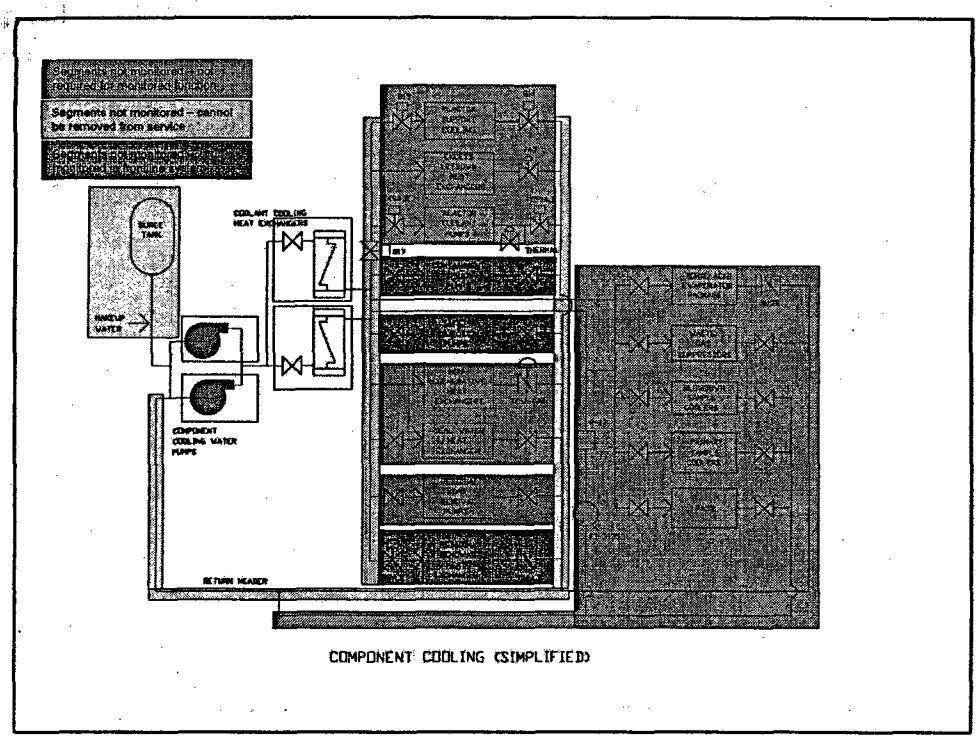
- Identify Segments that cannot be removed from service at power
  - Directly causes a plant trip
  - Procedures direct a plant trip
  - Prohibited by Technical Specifications



COMPONENT COOLING (SIMPLIFIED)

Segments Step 4

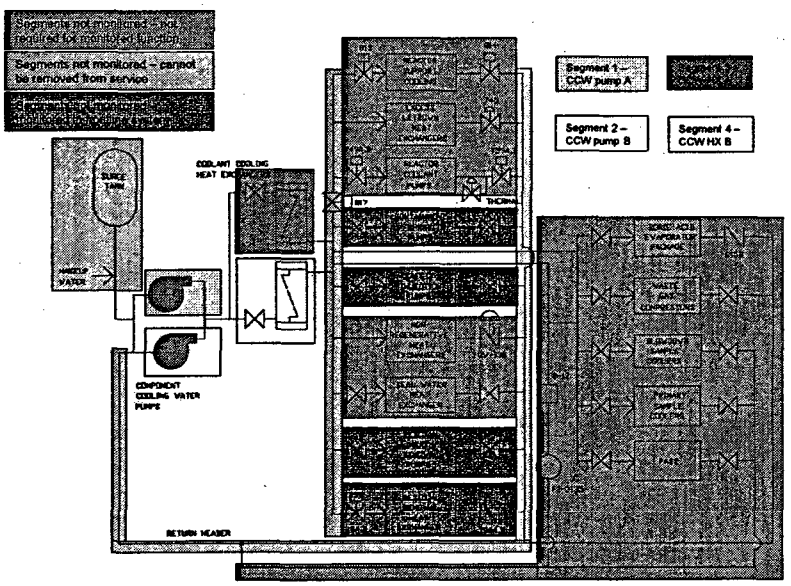
- Identify segments monitored as part of another MSPI system
  - For cooling water systems, sections of the system that cool only one frontline component are monitored as part of the frontline system.



COMPONENT COOLING (SIMPLIFIED)

Segments Step 5

- The remaining segments are monitored for unavailability



COMPONENT COOLING (SIMPLIFIED)

Segments Step 6

- Complete Table 1 per Appendix G with an entry for each monitored segment

Table 1 Unavailability Data CCW

Train	Basic Event Name	Basic Event Description	Basic Event Probability (UAP)	Basic Event FVUAP [1]	FVUAP/UAP
1	CCWAP01--TM	CCW Pump A Unavailable Due to Mntc	3.20E-03	3.19E-03	9.97E-01
2	CCWBP01--TM	CCW Pump B Unavailable Due to Mntc	3.20E-03	3.19E-03	9.97E-01
3	CCWBHX--FL	CCW HX A fouled	1.0e-04	9.97e-5	9.97E-01
4	CCWBHX--FL	CCW HX B fouled	1.0e-04	9.97e-5	9.97E-01

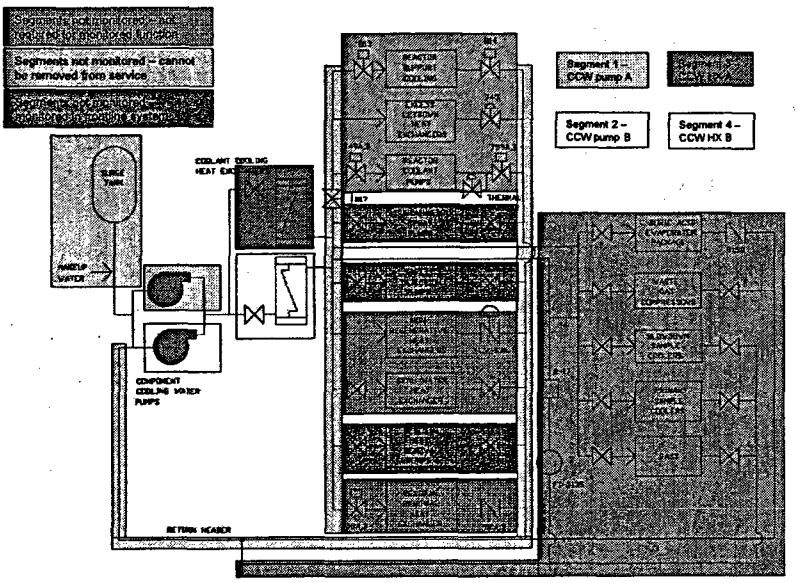
1. Adjusted for IEF correction

Segments Step 7

- Develop and document unavailability baseline data
- For cooling water systems use maintenance rule data
  - Planned Unavailability Baseline
  - Unplanned Unavailability Baseline

Segments Step 7

Train	Description	Planned Unavailability Baseline	Unplanned Unavailability Baseline
1	CCW Pump A	3.2e-03	0
2	CCW Pump B	3.2e-03	0
3	CCW HX A	0	0
4	CCW HX B	0	0



COMPONENT COOLING (SIMPLIFIED)