

6 Engineered Safety Features

6.0 General

The engineered safety features of the Lungmen NPS are those systems provided to mitigate the consequences of postulated serious accidents. The features can be divided into three general groups: (1) containment systems (2) emergency core cooling systems and (3) habitability systems. The systems in each general group are:

- (1) Containment Systems
 - (a) Primary Containment
 - (b) Containment Heat Removal
 - (c) Containment Isolation System
 - (d) Combustible Gas Control
 - (e) Secondary Containment
 - (f) Standby Gas Treatment System
- (2) Emergency Core Cooling System
 - (a) High Pressure Core Flooder (HPCF)
 - (b) Automatic Depressurization System (ADS)
 - (c) Low Pressure Flooder (LPFL) Mode of the RHR System
 - (d) Reactor Core Isolation Cooling (RCIC) System
- (3) Control Room Habitability Systems