## 6.4 Habitability Systems

The information in this section of the reference ABWR DCD, including all subsections, tables, and figures, is incorporated by reference with the following departure and supplement.

STD DEP 9.4-2

### 6.4.4.2 Smoke and Toxic Gas Protection

STD DEP 9.4-2

*The main control area envelope is normally exhausted from the recirculation plenum by one of the exhaust fans. Smoke removal is accomplished by starting both exhaust fans at high speed in conjunction with a supply fan. ~~and realigning the dampers for exhausting directly to the exhaust vent.~~* The recirculation damper is closed and the damper in the bypass duct around the air handling unit is opened. *The above changeover is under manual control from the main control room. Operating personnel in the control room exercise this option in response to signals from the smoke detection sensors located in the subject spaces and in the associated ductwork.*

### 6.4.7 COL License Information

### 6.4.7.1 Toxic Gases

The following site-specific supplement addresses COL License Information Item 6.8.

Instrumentation to detect and alarm a hazardous chemical release in the STP 3 & 4 vicinity and to isolate the main control area envelope from such releases is not required based on analyses in Subsection 2.2S.3. No hazardous chemicals with quantities exceeding the criteria of Regulatory Guide 1.78 have been identified.