

**Comment No. 25 (cont.)**

**Issue Code: 14**

Appendix Section A.4 to give the reader an indication of the condition of the facilities and does not in any way indicate that these facilities are unsafe.

DOE believes that it has adequately addressed impacts to the environment that could result from implementing the proposed action and alternatives. Volume I, Chapter 5 of the Y-12 SWEIS addresses impacts from the proposed action and alternatives, and Volume II, Appendices D and E provide further detailed analysis related to human health effects from normal operations/facility accidents and air quality, respectively.

**Comment No. 26**

**Issue Code: 15**

Appropriate fire mitigation and corrective actions are described in Section A.4 of the Y-12 SWEIS. The identified fire mitigation and corrective actions were recommended based on the Highly Enriched Uranium Vulnerability Assessment Corrective Action Plan. Each Y-12 facility has its own fire corrective actions which are dependent on the types of mission conducted in that facility. Sections D.7.4.2, D.7.4.3, D.7.4.7, and D.7.5 describe the accident scenarios that were evaluated for fire emergencies.

The design process for new Y-12 nuclear facilities would comply with the requirements for safety analysis and evaluation in DOE Order 430.1A, *Life Cycle Assessment Management*, DOE Order 5480.23, *Nuclear Safety Analysis Reports*; and DOE Order 420.1, *Facility Safety*. New facilities designs would ensure that facilities are highly resistant to the effects of natural phenomena and credible events such as fires and explosions.

The concern by DNFSB on fire safety is with regard to the development of fire protection engineering assessments and firebrigade analysis of facilities and test, maintenance, and inspection of fixed fire systems. The ability of the Y-12 Fire Department to respond to a fire incident has not been an issue. All safety class and safety significant fire systems in Y-12 nuclear facilities remain current with required surveillance and preventative maintenance. Y-12 has developed an overall fire protection