

site in the West Portal Parking Lot area) and Site B (located on the west end of the Y-12 site in the area of the Y-12 Scrap Metal Yard south of Building 9114, west of the western-most portion of the Y-12 Perimeter Intrusion Detection and Assessment System (PIDAS) and north of Portal 33 and Second Street).

Alternative 2B (No Action--Planning Basis Operations Alternative Plus Upgrade Expansion of Building 9215)

This alternative is similar to Alternative 2A, except that the storage of HEU would be accommodated through the expansion of the existing Building 9215. The building would be expanded by approximately 160 by 300 feet, with two floors, and would be sized to handle all of the long-term storage requirements anticipated for Y-12 similar to those described for the HEU Materials Facility. The proposed site for construction of the Building 9215 expansion is a parcel of land approximately two acres in size located west of Building 9212 and 9998 and north of Building 9215.

Alternative 3 (No Action--Planning Basis Operations Alternative Plus Construct and Operate a New Special Materials Complex)

This alternative includes the No Action--Planning Basis Operations Alternative plus the construction and operation of a Special Materials Complex. The Special Materials Complex would house a number of separate processing operations and the support facilities to serve each.

Included in the Special Materials Complex would be: (1) Beryllium production operations at Y-12; (2) a facility for purification of special materials; (3) a manufacturing/warehouse facility to produce special materials and provide for storage of new materials and parts; (4) an isostatic press for forming blanks for machining; and (5) a core support structure to house common support functions for the complex.

Options for locating the new Special Materials Complex include three candidate sites: Site 1 is approximately 20 acres and is located northwest of Building 9114 and on the north side of Bear Creek Road. Site 2 is approximately 10 acres and is located at the Y-12 Scrap Metal Yard area southeast of Building 9114 and east of the western-most portion of the Y-12 PIDAS; Site 3 is approximately 10 acres and is located on the west end of the Y-12 site in the area of the Y-12 Scrap Metal yard, south of Building 9114, west of the western-most portion of the Y-12 PIDAS and north of Portal 33 and Second Street.

Alternative 4 (No Action--Planning Basis Operations Alternative Plus Construct and Operate a New HEU Materials Facility and Special Materials Complex)

This alternative includes the No Action--Planning Basis Operations Alternative plus the construction and operations of a new HEU Materials Facility at one of two candidate sites (Site A or Site B described above under Alternative 2A), and the construction and operation of a Special Materials Complex at one of three candidate sites (Site 1, 2, or 3 described above under Alternative 3).

Preferred Alternative

DOE's Preferred Alternative is Alternative 4 (No Action--Planning Basis Operations Alternative Plus Construct and Operate a New HEU Materials Facility and a Special Materials Complex). The Preferred