

### **3.0 ALTERNATIVES TO THE PROPOSED ACTION**

#### **3.1 NO ACTION**

Under the No Action alternative LLMW would continue to be stored at the Hanford Site, pending future decisions. Life-cycle costs for the long-term storage of the untreated mixed waste are greater than the life-cycle costs for near-term waste treatment and disposal.

#### **3.2 OTHER ALTERNATIVES**

The following alternatives and their potential impacts were considered in the process of selecting the vendor for treating the LLMW and identifying the preferred alternative (proposed action), but were not analyzed in detail in this document.

##### **3.2.1 Treatment at the Advanced Mixed Waste Treatment Project, Idaho**

Under this alternative DOE would send the waste for treatment at the proposed Advanced Mixed Waste Treatment Project Facility at the Idaho National Engineering and Environmental Laboratory, in Idaho Falls, Idaho, approximately 800 km (500 mi) from the 200 West Area. The proposed treatment facility includes compaction and non-thermal stabilization processes for contact-handled LLMW. The treated waste would be returned to the Hanford Site for eventual disposal. It is assumed that the Advanced Mixed Waste Treatment Project Facility would operate with an efficiency equal to the ATG MWF, and that waste handling procedures would be similar to the ATG Facility.

##### **3.2.2 Treatment at EnviroCare, Utah**

Under this alternative DOE would send the waste for treatment at EnviroCare's mixed waste treatment facility in Clive, Utah, approximately 1,040 km (650 mi) from the 200 West Area. The treated waste would be returned to the Hanford Site for eventual disposal. It is assumed that Envirocare's waste treatment facility would operate with an efficiency equal to the ATG MWF, and waste handling procedures would be similar to the ATG Facility.

##### **3.2.3 Treatment at Nuclear Sources and Services Incorporated (NSSI), Texas**

Under this alternative DOE would send the waste for treatment at NSSI's facility in Houston, Texas, approximately 3,700 km (2,300 mi) from the 200 West Area. The treated waste would be returned to the Hanford Site for eventual disposal. It is assumed that the NSSI waste treatment facility would operate with an efficiency equal to the ATG MWF, and that waste handling procedures would be similar to the ATG Facility.