

## **Oxy-Gasoline Torch Description**

The oxy-gasoline torch, successfully demonstrated at the Fernald Large Scale Demonstration Project, will cut or segment larger pipes, equipment, or structural components in the facility. Because of its safety and cutting efficiency, significant savings are expected. For torch cutting, the standard oxy-acetylene torch will be replaced by the oxy-gasoline torch, which was proven to be superior in demonstrations. In a comparison between acetylene and oxy-gasoline torches on a 2-in.-thick steel plate, the oxy-gasoline torch required 13 minutes to perform the cut, while the acetylene torch required 27 minutes. Significant fuel savings were documented for the oxy-gasoline torch. When cutting thick steel, approximately \$3 worth (2.5 gal) of gasoline lasted the full workday. For the same operation, \$32 worth of acetylene was required.