

## 2.1 Types of Thermal Units Included Under Subpart X

### 2.1.1 Open Burning and Open Detonation Units

Many waste propellants, explosives, and pyrotechnics (PEP), and munitions items are unsafe to treat by conventional methods of hazardous waste management. Open burning and open detonation (OB/OD) remain the primary methods of treatment for these wastes. Currently, research is being conducted to develop alternative methods of treatment for PEP wastes. New technologies, such as enclosed detonation chambers, are likely to become more widely available in the next several years. Some of these new technologies may qualify for permitting under Subpart X.

The unit descriptions provided here focus on military OB/OD units, because the majority of the units are operated by the military. The design configurations and operational standards discussed in this section will, however, also be used at non-military facilities.



*View of burning pans on a secondary containment pad. Note that the pads do not appear to have berms around them.*