

7. REGULATIONS AND ADVISORIES

ATSDR has derived an MRL of 0.001 $\mu\text{g}/\text{kg}/\text{day}$ for acute-duration oral exposure to 2,3,4,7,8-pentaCDF based on a LOAEL for thymic effects in guinea pigs (Moore et al. 1979). ATSDR also has derived an MRL of 0.00003 $\mu\text{g}/\text{kg}/\text{day}$ for intermediate-duration oral exposure to 2,3,4,7,8-pentaCDF based on a LOAEL for hepatic effects in rats (Pleuss et al. 1988a; Poiger et al. 1979). Because 2,3,4,7,8-pentaCDF is more toxic than some other CDF congeners, applying these MRLs to other CDFs may lead to overestimating actual risks.

International or state regulations and guidelines on human exposure to CDFs were not located. However, CDFs have been listed as hazardous waste constituents (EPA 1988).

Methodology for quantitatively assessing health risks of CDFs is currently being evaluated by ATSDR (see Section 2.9.2).

