

10.16 Protective Treatment - Fencing

Protective treatment may be required to prevent entry to facilities that present a hazard to children and, to a lesser extent, all persons. Fences may be required for detention areas where one or more of the following conditions exist:

- Rapid stage increases would make escape practically impossible where small children frequent the area.
- Water depths either exceed 1 m (3 ft) for more than 24 h or are permanently wet and have side slopes steeper than 1V:4H.
- A low-flow watercourse or ditch passing through the detention area has a depth greater than 1.5 m (5 ft) or a flow velocity greater than 1.5 m/s (5 ft/s).
- Side slopes equal or exceed 1V: 2H.

Guards or grates may be appropriate for other conditions, but in all circumstances heavy debris must be transported through the detention area. In some cases, it may be advisable to fence the watercourse or ditch rather than the detention area.

Fencing should be considered for dry retention areas with design depths in excess of 1 m (3 ft) for 24 h, unless the area is within a fenced, limited access facility.