

## SCHEDULE 2

### GENERAL REQUIREMENTS FOR LANDFILLS

- 3.—(1) The landfill must be situated and designed so as to—
- (a) provide the conditions for prevention of pollution of the soil, groundwater or surface water; and
  - (b) ensure efficient collection of leachate as and when required by paragraph 2.
- (2) Soil, groundwater and surface water is to be protected by the use of a geological barrier combined with—
- (a) a bottom liner during the operational phase of the landfill; and
  - (b) a top liner following closure and during the after-care phase.
- (3) The geological barrier shall comply with the requirements of sub-paragraph (4) and shall also provide sufficient attenuation capacity to prevent a potential risk to soil and groundwater.
- (4) The landfill base and sides shall consist of a mineral layer which provides protection of soil, groundwater and surface water at least equivalent to that resulting from the following permeability and thickness requirements—
- (a) in a landfill for hazardous waste:  $k \leq 1.0 \times 10^{-9}$  metre/second: thickness  $\geq 5$  metres;
  - (b) in a landfill for non-hazardous waste:  $k \leq 1.0 \times 10^{-9}$  metre/second: thickness  $\geq 1$  metres;
  - (c) in a landfill for inert waste:  $k \leq 1.0 \times 10^{-7}$  metre/second: thickness  $\geq 1$  metres.
- (5) Where the geological barrier does not meet the requirements of sub-paragraph (4) naturally, it may be completed artificially and reinforced by other means providing equivalent protection; but in any such case a geological barrier established by artificial means must be at least 0.5 metres thick.
- (6) A leachate collection and sealing system to ensure that leachate accumulation at the base of the landfill is kept to a minimum must also be provided in any hazardous or non-hazardous landfill in accordance with the following table—

*Leachate collection and bottom sealing*

<b>Landfill category</b>	<b>Non-hazardous</b>	<b>Hazardous</b>
Artificial sealing liner	Required	Required
Drainage layer $\geq 0.5$ metres	Required	Required

- (7) Where the potential hazards to the environment indicate that the prevention of leachate formation is necessary, surface sealing may be prescribed taking account of the following guidelines—

<b>Landfill category</b>	<b>Non-hazardous</b>	<b>Hazardous</b>
Gas drainage layer	Required	Not required
Artificial sealing liner	Not required	Required
Impermeable mineral layer	Required	Required
Drainage layer $< 0.5$ metres	Required	Required
Top soil cover $< 1$ metre	Required	Required

**Status:** This is the original version (as it was originally made).

(8) The requirements of sub-paragraphs (3) to (7) may be reduced to an appropriate extent if on the basis of an assessment of environmental risks, having regard in particular to Directive [80/68/EEC](#)(1)—

- (a) it has been decided in accordance with paragraph 2 that the collection and treatment of leachate is not necessary; or
- (b) it is established that the landfill poses no potential hazard to soil, groundwater or surface water.

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(1) OJNo. L20, 26.1.80, p.43 as amended by Directive [91/692/EEC](#) OJ No. L377, 31.12.91, p.48.