**Section 724.403 Monitoring and Inspection**

a) During construction or installation, liners (except in the case of existing portions of landfills exempt from Section 724.401(a)) and cover systems (e.g., membranes, sheets or coatings) must be inspected for uniformity, damage and imperfections (e.g., holes, cracks, thin spots, or foreign materials). Immediately after construction or installation the following must occur:

1) Synthetic liners and covers must be inspected to ensure tight seams and joints and the absence of tears, punctures, or blisters; and

2) Soil-based and admixed liners and covers must be inspected for imperfections including lenses, cracks, channels, root holes or other structural non-uniformities that may cause an increase in the permeability of the liner or cover.

b) While a landfill is in operation, it must be inspected weekly and after storms to detect evidence of any of the following:

1) Deterioration, malfunctions, or improper operation of run-on and run-off control systems;

2) Proper functioning of wind dispersal control systems, where present; and

3) The presence of leachate in and proper functioning of leachate collection and removal systems, where present.

c) Monitoring of LDS.

1) An owner or operator required to have a LDS under Section 724.401(c) or (d) must record the amount of liquids removed from each LDS sump at least once each week during the active life and closure period.

2) After the final cover is installed, the amount of liquids removed from each LDS sump must be recorded at least monthly. If the liquid level in the sump stays below the pump operating level for two consecutive months, the amount of liquids in the sumps must be recorded at least quarterly. If the liquid level in the sump stays below the pump operating level for two consecutive quarters, the amount of liquids in the sumps must be recorded at least semi-annually. If at any time during the post-closure care period the pump operating level is exceeded at units on quarterly or semi-annual recording schedules, the owner or operator must return to monthly recording of amounts of liquids removed from each sump until the liquid level again stays below the pump operating level for two consecutive months.

3) "Pump operating level" is a liquid level proposed by the owner or operator pursuant to 35 Ill. Adm. Code 703.207(b)(1)(E) and approved by the Agency based on pump activation level, sump dimensions, and level that avoids backup into the drainage layer and minimizes head in the sump.

(Source: Amended at 27 Ill. Reg. 3725, effective February 14, 2003)