

LEACHATE COLLECTION SYSTEMS

Current Regulation
and
Current Issues

DIVISION OF WASTE MANAGEMENT

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REGULATION

North Carolina Administrative Code

15A NCAC 13B .1626 (12)

Operational Requirements for MSWLF Facilities

The owner or operator of a MSWLF unit designed with a leachate collection system must establish and maintain a leachate management plan which at a minimum includes the following:

- (a) Periodic maintenance of the leachate collection system.*

REGULATION (continued)

North Carolina General Statute
(Senate Bill 1492)

NCGS 130A-295.6 (h)(3)

The following requirements apply to any sanitary landfill for which a liner is required:

REGULATION (continued)

All leachate collection lines shall be designed and constructed to permanently allow cleaning and remote camera inspection. All leachate collection lines shall be cleaned at least once per year, except that the Department may allow leachate collection lines to be cleaned once every two years if:

NCGS 130A-295.6 (h)(3)

REGULATION (continued)

- (i) the facility has continuous flow monitoring;
and*
- (ii) the permit holder demonstrates to the Department that the leachate collection lines are clear and functional based on at least three consecutive annual cleanings. Remote camera inspections of leachate collection lines shall occur upon completion of construction, at least once every five years thereafter, and following the clearing of blockages.*

NCGS 130A-295.6 (h)(3)

REGULATION (continued)

Remote camera inspections of leachate collection lines shall occur upon completion of construction, at least once every five years thereafter, and following the clearing of blockages.

NCGS 130A-295.6 (h)(3)

ISSUE

What is the current state of Leachate
Collection Systems?

Clogged Systems?

PERMITTING DIRECTION

- Remote camera inspection of leachate collection lines after construction.
- Clean leachate collection lines once a year.
- Remote camera inspection of leachate collection lines once every five (5) years.

PERMITTING DIRECTION (CONTINUED)

- Cleaning and remote camera inspection of leachate collection lines following the clearing of blockages.
- The Division may consider reduction in frequency for cleaning and inspection, upon written request from the Facility, after the first five years, pending the results of the cleaning and remote camera inspection.

OTHER ISSUES

- Prevention of clogged Systems due to fine soil infiltration.
- Leachate breakouts.
 - Causes?
 - What roll does the application of cover material play?
 - What roll does the application of intermediate cover play?

QUESTIONS

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