

# PERMIT MODULE XIII

## POST CLOSURE CARE

### XIII.A. POSTCLOSURE CARE REQUIREMENTS

XIII.A.1. The facility shall conduct postclosure care of the landfill in accordance with its approved postclosure care plan.

- (a) Leachate shall be managed in accordance with 9 VAC 20-81-210 and the facility's Leachate Management Plan. If a leachate seep(s) occurs, the owner or operator shall repair the seep(s) and follow the procedures outlined in 9 VAC20-81-210.F.
- (b) Landfill gas shall be monitored in accordance with 9VAC20-81-200 and the facility's Landfill Gas Management Plan. The gas management system shall be inspected at a rate consistent with the system's monitoring frequency.
- (c) Groundwater shall be monitored in accordance with 9VAC20-81-250, Module X, and Module XI and the respective groundwater permit documents as applicable. The groundwater monitoring system shall be inspected at a rate consistent with the system's monitoring frequency.

XIII.A.2. Amended postclosure care plans shall be submitted to the department for review and approval by the director.

### XIII.B. POSTCLOSURE PERIOD

XIII.B.1. Postclosure care shall be conducted for 30 years.

XIII.B.2. The length of the post-closure care period may be decreased by the director if the owner or operator demonstrates that the reduced period is equally protective of human health and the environment and the demonstration is approved by the director. This demonstration shall contain:

XIII.B.2.a. Certification, signed by the owner or operator and a professional engineer licensed in the Commonwealth, verifying that decreasing the postclosure care period will be equally protective of human health and the environment; and

XIII.B.2.b. An evaluation prepared by a professional engineer or professional geologist licensed in the Commonwealth, which assesses and evaluates the landfill's potential for harm to human health and the

environment in the event that postclosure monitoring and maintenance are discontinued.

- XIII.B.3. The facility shall continue postclosure care and monitoring until such time that the department approves termination or the postclosure care and/or monitoring activity.

XIII.C. CERTIFICATION OF COMPLETION OF POST-CLOSURE CARE

Not less than 180 days prior to the completion of the postclosure monitoring and maintenance period as prescribed by the Board's regulations or by the Director, the owner or operator shall submit to the Director:

- XIII.C.1. Certification, signed by the owner or operator and a professional engineer licensed in the Commonwealth, verifying that post-closure monitoring and maintenance have been completed in accordance with the facility's Postclosure Care Plan; and
- XIII.C.2. An evaluation prepared by a professional engineer or professional geologist licensed in the Commonwealth, which assesses and evaluates the landfill's potential for harm to human health and the environment in the event that postclosure monitoring and maintenance are discontinued.

If the Director determines that continued postclosure monitoring or maintenance is necessary to prevent harm to human health or the environment, he shall extend the postclosure period for such additional time as the Director deems necessary to protect human health and the environment and shall direct the owner or operator to submit a revised postclosure plan and to continue postclosure monitoring and maintenance in accordance therewith. Requirements for financial assurance shall apply throughout such extended postclosure period.