



## Ohio Administrative Code

### Rule 3745-535-650 Surface water and leachate management.

Effective: June 15, 2024

---

(A) Surface water management. The owner or operator shall manage surface water at a minimum as follows:

(1) Employ surface water control structures designed and constructed in accordance with rule 3745-27-08 of the Administrative Code such that the following are achieved:

(a) Run-on and runoff of surface water are controlled.

(b) Erosion is minimized.

(c) Infiltration of water through the cover material and cap system is minimized.

(2) Maintain surface water control structures and ensure surface water is managed in accordance with the following:

(a) Diverted from areas where solid waste is being or has been deposited.

(b) If ponding or erosion occurs on areas of the facility where waste is being or has been deposited, complete actions as necessary to correct the conditions causing the ponding or erosion.

(B) Leachate management. The owner or operator shall manage leachate as follows:

(1) Except as specified in paragraphs (B)(2) and (B)(3) of this rule, excluding leachate sumps, ensure the depth of leachate on the liner is not more than one foot.

(2) For a phase that drains to a sump where select waste is currently being placed, if the depth of leachate on the liner, excluding leachate sumps, exceeds one foot as a result of a precipitation event that generates 0.1 inches or more of rainfall in twenty-four hours as measured by an onsite rain



gauge, ensure the depth of leachate no longer exceeds one foot not later than seven days after the most recent precipitation event that generates 0.1 inches or more of rainfall and record the date of such occurrence and corrective action in the daily log of operations.

(3) Maintain the integrity of the engineered components of the leachate collection system, including but not limited to pumps, and repair any damage to or failure of the components. Upon discovery of a malfunctioning component that results in the depth of leachate exceeding one foot on the liner, the owner or operator shall do the following:

(a) Record the location and component malfunctioning in the daily log.

(b) Notify the appropriate Ohio EPA district office and the approved health district in writing not later than twenty-four hours after discovery of the malfunctioning component and exceedance of one foot of depth if the engineered component is still malfunctioning.

(c) Ensure the depth of leachate no longer exceeds one foot not later than seven days after discovery of the malfunction.

(4) If a leachate outbreak occurs at the facility, repair the outbreak and do the following:

(a) Contain and properly manage the leachate at the facility.

(b) Collect and dispose of the leachate as necessary in accordance with paragraphs (B)(6) and (B)(9) of this rule.

(c) Take action to minimize, control, or eliminate the conditions that contribute to the production of leachate.

(5) Visually or physically inspect the newly constructed segments of the leachate management system that are accessible not later than sixty days after placement of the initial lift of waste to ensure that crushing has not occurred and inspect the accessible segments annually thereafter to ensure that clogging has not occurred.



(6) Treat and dispose of collected leachate in accordance with Chapter 6111. of the Revised Code and one of the following methods:

(a) On site at the facility.

(b) By pretreating collected leachate on-site and disposing of the treated leachate off-site of the facility.

(c) Off-site of the facility.

(7) If leakage into the leak detection system of a leachate pond exceeds the action leakage rate established in the approved permit to install or five hundred gallons per acre per day, whichever is less, repair the leachate pond containment system such that the leakage is reduced to less than the established action leakage rate or five hundred gallons per acre per day, whichever is less.

(8) Prepare a contingency plan for the storage and disposal of leachate that describes the immediate and long term steps, including the setting aside of land for the construction and operation of an on-site treatment facility, to be taken for leachate management in the event that collected leachate cannot be managed in accordance with the management option selected in paragraph (B)(6) of this rule.

(9) In the event that collected leachate cannot be managed in accordance with the management option selected in paragraph (B)(6) of this rule, implement the contingency plan for the storage and disposal of leachate.

(C) The owner or operator shall place in the operating record copies of the following:

(1) The design of the surface water control structures specified in paragraph (A) of this rule.

(2) The contingency plan for the storage and disposal of leachate in accordance with paragraph (B)(8) of this rule.

(D) If a substantial threat to surface water exists, the director or approved health district may require



the owner or operator to monitor the surface water.