



The MAEAP-approved seepage analysis procedure is conducted on the whole waste storage impoundment. This procedure has been approved by MAEAP and shall include as a minimum:

1. A written procedure that addresses all considerations with respect to seepage testing including facility characterization, planning, test control, seepage meter system and deployment, and reporting consistent with MAEAP guidance for evaluating existing storage facilities available at www.maeap.org and meeting the MAEAP Standard Procedure for Rapid Direct Seepage Testing of Animal Waste Storage Ponds, dated March 31, 2015.
2. Specific steps required for successful testing include:
 - Test when pond is as full as possible.
 - Shut off all inflows and outflows.
 - Mow embankment vegetation.
3. The procedure shall minimize contact with waste consistent with established MAEAP bio-security procedures. No personnel entry into the waste.
4. A Professional Engineer licensed in Michigan shall interpret seepage test results considering method accuracies, pond depth, and prescribed confidence intervals with respect to the design seepage rate.
 - Waste storage impoundments constructed prior to 2015 shall meet the liner permeability of 0.0028 ft/day (1×10^{-6} cm/sec) or less
 - Waste storage impoundments constructed in 2015 and after must meet the USDA-NRCS conservation practice standard-313 Waste Storage Facility, dated 8/2014; maximum specific discharge of 0.0153ft³/ft²/day (5.411×10^{-6} cm³/cm²/sec).
5. The site seepage analysis report shall clearly identify the standard that is being evaluated, the dates the analysis was conducted, and if the waste impoundment meets that standard.
6. The final seepage analysis report shall be signed and dated by the person interpreting the seepage analysis data.