

# APPENDIX B

## 18. Schedule of storage pond drop test requirements and criteria

This schedule outlines the requirements for undertaking pond drop tests on storage ponds that are part of an animal waste system and the pass criteria for drop test results.

### Requirements

- Testing is undertaken over a minimum period of 48 hours. There is a minimum of 24 hours of accurate data within a single test period.
- Testing recording equipment is to be accurate to 0.8 mm or less. The total test error is less than  $\pm 1$  mm.
- Continuous readings are to be taken over the entire test period at not more than 10 second intervals.
- Any change in pond fluid level over the test period needs to be accounted for.
- Ponds must be at or over 75% design depth before a test can be undertaken. Ponds must be at or over 75% design depth (excluding freeboard) before a test can be undertaken.
- The pond has been de-sludged in the 12 months prior to the test being undertaken and there is no sludge or crust on the pond surface during the test. The level of sludge or crust on the pond surface during the test should be minimal so that it does not impact on test results.
- The pond surface is not frozen during any part of the testing.
- An anemometer is installed for the duration of the test and only data obtained when the wind speed does not exceed 50 kilometres per hour (14 m per second) at the test site is used in the test results. ~~wind speed is at 10 metres per second or less for at least 24 hours during the test.~~

### Criteria

When tested in accordance with the requirements above, the pond is considered to meet the pond drop test criteria if the maximum pond level ~~drop~~ change does not exceed the following:

<u>Maximum design depth of pond (m) excluding freeboard</u>	<u>Maximum allowable pond level <del>drop</del> change (mm per 24 hours)</u>
<u>&lt;0.5</u>	<u>1.2</u>
<u>0.5 to 1.0</u>	<u>1.4</u>
<u>1.0 to 1.5</u>	<u>1.6</u>
<u>1.5 to 2.0</u>	<u>1.8</u>
<u>&gt;2.0</u>	<u>2.0</u>