BOD – Checking DO Meter for Drift (NC WW/GW LC Policy 07/09/2012)

If the membrane electrode or luminescence probe method is used, take care to eliminate drift in calibration between initial and final DO readings. Immediately after calibration, measure the DO of a BOD bottle of dilution water. Stopper the bottle. Document the concentration on the benchsheet (day one initial drift check). At the end of the sample set reanalyze the drift check bottle and document the concentration (day one final drift check). The laboratory should verify the DO Meter calibration throughout the sample set if needed. Repeat process on Day 5. If the meter drifts more than 0.20 mg/L, recalibrate meter and reanalyze all samples since the last drift check. Ref: North Carolina Wastewater/Groundwater Laboratory Certification Policy based upon Standard Methods, 5210 B - 2001. (5) (g) and 15A NCAC 2H .0805 (a) (7).