



**Memorandum**

**To:** South Carolina Certified Laboratories for Dissolved Oxygen (DO)

**From:** SCDHEC Office of Environmental Laboratory Certification

**Date:** November 19, 2020

**Re:** Luminescent Dissolved Oxygen (LDO) Certification

Dear Laboratories,

Recent evaluations performed by this Office have shown that some laboratories have upgraded their older DO meters which use membrane electrodes to new meters which use luminescence or optical sensor electrodes (LDO).

Please note that separate certifications are required for membrane DO and LDO methods. Verify that your laboratory has certification for the appropriate method/technology type for the meters in use. If the laboratory does not have the proper certification, obtain the required certification before using the meter for compliance analyses. Use of an uncertified method to generate compliance results can result in enforcement action by the Department.

Commonly approved methods for certification are: membrane DO - SM 4500-O G-2011 and LDO - HACH 10360 Rev. 1.2 (2011) and ASTM D888-09(C). Applications can be found on our website: [www.scdhec.gov/labcert](http://www.scdhec.gov/labcert).

If you have any questions concerning the content of this memo, please contact us at (803) 896-0970 or by email at: [labcerthelp@dhec.sc.gov](mailto:labcerthelp@dhec.sc.gov).

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