

MEMORANDUM

DEPARTMENT OF ENVIRONMENTAL QUALITY WATER PERMIT PROGRAMS

SUBJECT: Guidance Memo No. 01-2013, Amendment #1
Checklists for Wastewater Laboratory Inspections

TO: Regional Directors

FROM: Larry Lawson, P.E.



DATE: November 1, 2001

COPIES: Regional Permit Managers, Regional Compliance and Enforcement Managers,
Regional Water Compliance Managers, Martin Ferguson, Richard Ayers, Bill
Purcell, Betsy Ziomek

SUMMARY: Corrections to several of the laboratory inspection checklists for methods used for VPDES or VPA monitoring have been updated and a new checklist has been created for Total Residual Chlorine using the LaMotte instrumentation. The checklists are located on k:/agency/labshts/lab inspection/Revisions. Questions or comments regarding this topic can be directed to Betsy Ziomek at (804) 698-4181.

The following checklists have been revised and may be found on K:\agency\LABSHTS\lab inspection\Revisions\:

fecal-mpn rev 03-01B - Fecal Coliform using Multiple-Tube Fermentation
Technique [#13- Wording was changed. Intent remains the same.]

NH3 Nessler rev 08-01 - Ammonia Nitrogen using Spectrophotometric-Nesslerization [#20-
“After 20 minutes for EPA 350.2” was added. This clarifies the time allowed for color
development.]

NO3 Brucine rev 09-01 - Nitrate Nitrogen using Brucine Method [#3- Added light path length
of 1 cm or longer for EPA Method 352.1]

O & G rev 10-01 - Oil and Grease using Partition Gravimetric [Added #3- requirement that
Freon used must have been produced prior to Jan. 2000.]

O-Phos rev 09-01 - Orthophosphate using Ascorbic Acid [#19- omitted. #20- Requires
verifying curve with two standards with agreement within " 10%]

pH ELEC rev 09-01 - pH using Electrometric Method [Added #7- requires analyzing 7 buffer
as a sample to verify calibration.]

Summary Pgs 1-3 rev 10-01 - Laboratory Inspection Report [Includes “Deficiency/No
Deficiency rating scheme]

TKN dig-dist rev 04-01 - Total Kjeldahl Nitrogen Digestion followed by Distillation [#12- Corrected typo which omitted “flask.”]

TRC DR100 rev 10/01 - Total Residual Chlorine using HACH DR100 [#1- Omitted; #3- Added annual check of DPD pillows for buffering capability. This is consistent with TRC Pocket checksheet.

TRC LaMotte rev 09/01 - Total Residual Chlorine using LaMotte Method 7916 [New checksheet]

DISCLAIMER

This document provides technical and procedural guidance to the inspection staff to evaluate laboratories producing data related to permit compliance. This document is guidance only. It does not establish a binding norm and is not finally determinative of the issues addressed. Agency decision in any particular case will be made by applying the State Water Control Law and the implementation regulations on the basis of site specific facts.