Method Updates

Presented by:

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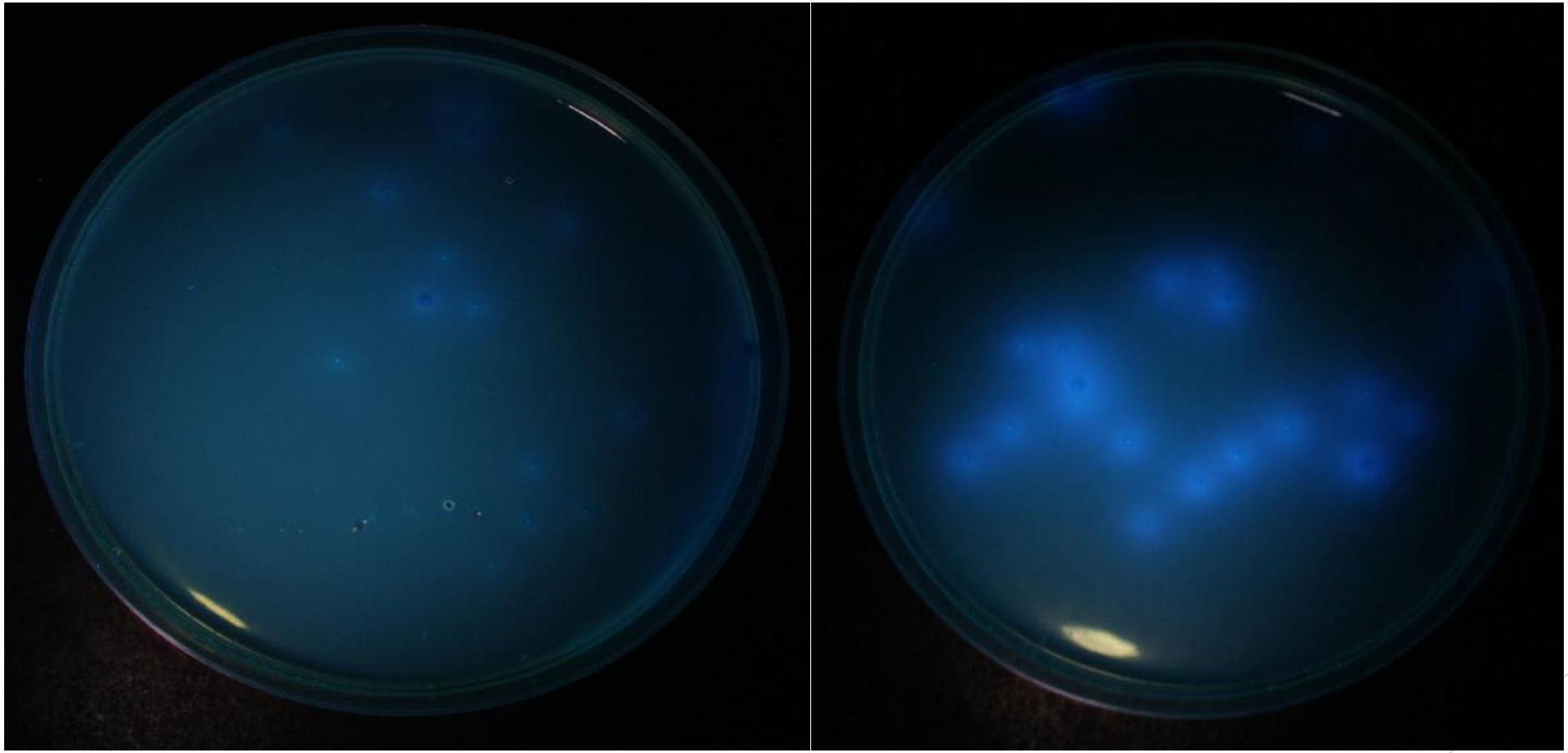
Just to recap……

- Low %F of blue colonies led to discussion with coliscan easygel's manufacturer
- The manufacturer then increased the fluorescent enzyme in the formula
- We at CCU added additional QC by monitoring %F of the blue colonies you report!
- So is it working????

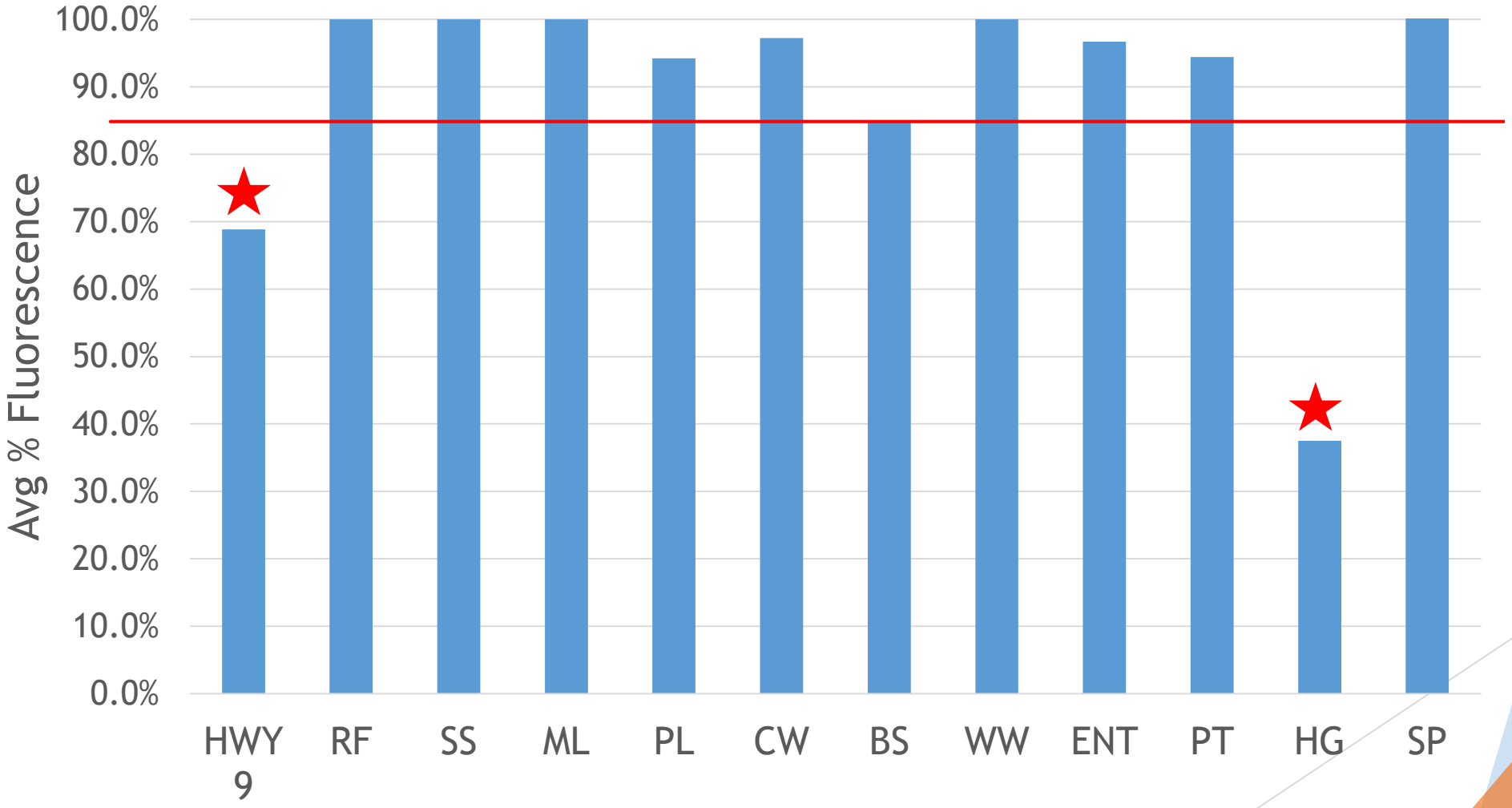
“Out with the old, in with the new”



Old

New

Waccamaw River Fluorescence Data in 2017 (n =23)



Waccamaw River Fluorescence Data 2018 (n =36)

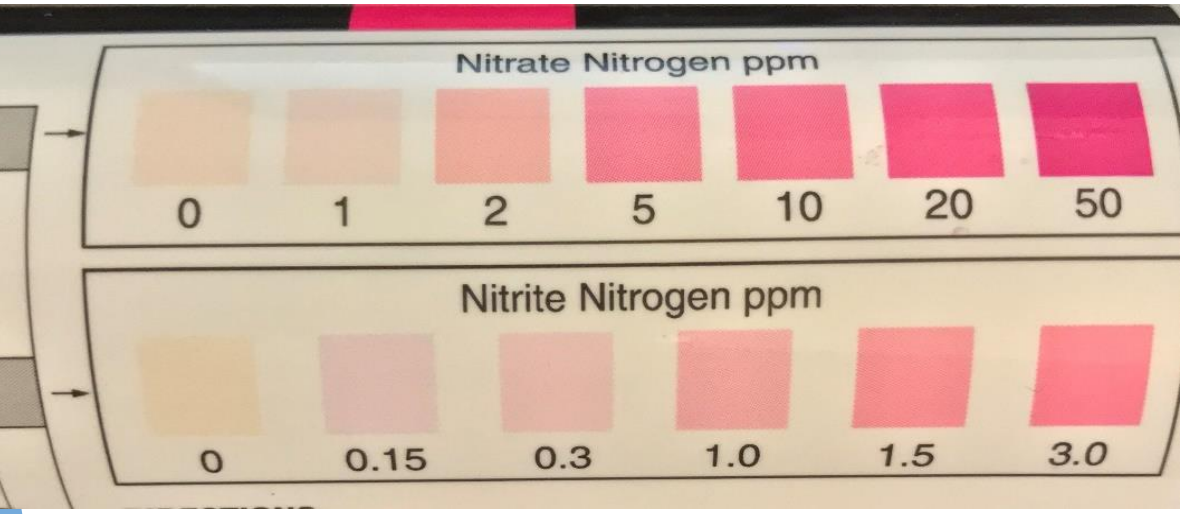
Upgraded Coliscan Easygel over the past year

- Only two regulatory discrepancies since upgrading to the heightened coliscan easygel
- Overall, the new formula has worked out well so far!
- Don’t be surprised if you see some blue colonies that still will not fluoresce!!!

Nutrient Strip Discoloring Issue

- After much work, the Nitrate pads have not had the same discoloring issue
- If for whatever reason they start to look discolored, let us know so we can replace them as well as contact the manufacturer!
- While looking closer at the bottles, we noticed a new detail about the Nitrate measurements!

Taking a closer look!

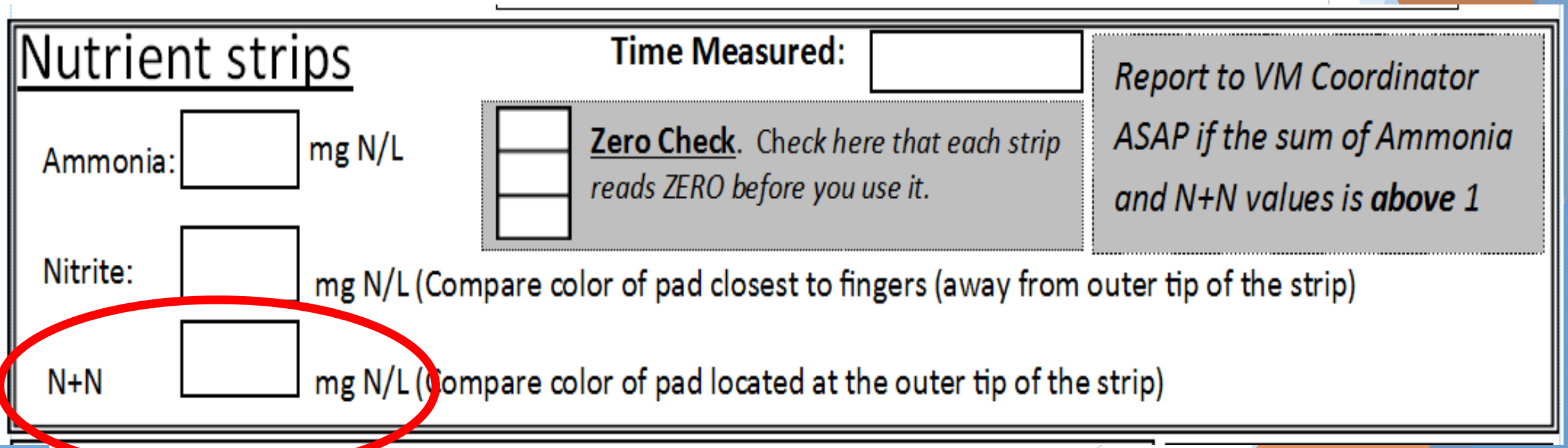


- The Nitrate pad actually measures Nitrate+Nitrite Nitrogen present in your sample
- Not a huge deal in reporting the data because we rarely see Nitrite in our samples
- We did however make the adjustment to the data sheet

Note: The Nitrate Test actually measures the sum of both nitrate nitrogen and nitrite nitrogen present in the sample.
IMPORTANT: KEEP CAP ON TIGHT BETWEEN USES. STORE AT ROOM TEMPERATURE.

- The Nitrate measurement section is now changed to N+N
- When entering data into the website, be aware of the two possibilities:
  1. If Nitrite=0, then the N+N value will just be entered as Nitrate
  2. If Nitrite >0, then use this formula,

(N+N measurement)-(Nitrite measurement)= Nitrate measurement



Sampling Reminders

- Keep recording observations! (Rainfall, flow, or other!)
- Watch for drift in measurements
- Keep using the percentiles to track “normal” or “unusual” measurements!

- **Lastly, Thanks for another year of success!**


QUESTIONS
COMMENTS
CONCERNS
PROBLEMS
COMPLAINTS