Lower Chickahominy TMDL TAC Meeting Minutes
Hosted by DEQ (Kelley West) and VIMS (Mac Sisson)
Meeting Date and Time: 1/19/2016 1:00pm
Location: Charles City County Social Center – Providence Forge, VA

The meeting began at approximately 1:05 pm

TAC Members in Attendance: Jian Shen, Mac Sisson, Kelley West, Jennifer Palmore, Bill Keeling, Ashley Hall, Suzanne Dyba, Janice Petty, Jennifer Jones, Donald Rice.

Meeting Purpose:

To review the final source assessment information and preliminary TMDL modeling results. The TAC discussed the non point source assessment numbers, model calibrations, and draft TMDL reductions.

Meeting Highlights:

Pet numbers
Dog Kennel Licenses as well as individual licenses from the county were evaluated to come up with the pet numbers.

Model percentages

Ashley Hall asked why the modeling effort used the 95th percentile as adjustment of total maximum daily load rather than another number.

Reference - Slide 72. Jian Shen responded "The EPA allows us to use either 90% or 95% in the statistical model to convert mean annual loading to maximum daily loading. The reason for using the 95% percentile for the adjustment is that we would like to be protected 95% of the time by using the single daily maximum of 104 counts/100mL for 10% violations. One day you get 104 counts/100mL from model, then the next day it is 0, so your average is about 50 counts/100mL. If using loading corresponding to 50 counts/100ml as the daily maximum load, it is too low. We want to make sure that the loading is high enough and it doesn't cause a violation. The 5% of uncertainty is built into the Margin of Safety. Therefore, using the 95 percentile to convert the loading is more reasonable. If one allows a violation of less than 5%, he can have less margin of safety. If using 90% percentile, one is allowing a violation of 10%. For previous Barrows Creek TMDL, it takes the highest allowable loads that are higher than the average value from the model output for the simulation period.

For the revised model results slides for tidal sections the horizontal interval marked on the plots will be 365 days.

Straight Pipes/Privies

A question was raised about the accuracy of the percentage assumed for straight pipes (1.90% of the total homes in the watershed). VIMS says the model confirms that there are some in the watershed. They will use the percentage instead of the census data for the model since the census data is so outdated.

Wildlife

Janice Petty asked a question about the percentage used for straight pipes that was derived from census data that are 25 years or older - are they really accurate? VIMS stated that the model confirms that there are some in the watershed. For the subwatersheds without confirmation, straight pipes will be included in the model.

Livestock numbers

We request comments on the livestock numbers used in the TMDL.

Boating

Janice Petty suggested that, when evaluating point sources for boats, we should check with each county for personal property taxes. It is difficult to find the best approach. We have not obtained any more information since last meeting.

MS4

VIMS presented two options to calculate MS4 wasteload allocations in the TMDL. VIMS plans to proceed in the model with option 1. If the TAC would rather the model input be option 2 than it can be easily changed. We are requesting comments from the TAC on which option is recommended.

Any comments/feedback from the TAC are requested within 2 weeks.

The meeting adjourned at approximately 2:45 pm