

Harpeth River Watershed Stakeholder Meeting

Tuesday, April 16, 2019

Franklin City Hall

Attendees

In person:

TDEC: Regan McGahen, Jennifer Dodd, David Duhl, Katherine Barnes
HC (HRWA): Dorie Bolze, Ryan Jackwood
WADC: Nick Tatum, Nathan Hopkins, Saya Qualls
Metro Nash: Mary Bruce
Sierra Club: Scott Heflinger
City of Brentwood: Darek Baskin
TDOT: Barry Brown, Christian Saxe, Michael Cramer (EnSafe)
EPA: Amanda Howell, Tim Wool, Stacey Bouma, Craig Hesterlee, Gracy Danois
Citizen: Dustin Bambic (Paradigm Environmental)
Berry's Chapel: Stacy Crouch, Bruce Meyer (also Cartwright Creek)

On conference line:

EPA: Amy Feingold, Tony Able
TDEC: Stephanie Durman
USGS: Reed Green
HC: Bill Hall (Hall and Associates)
Citizen: David Horwath (Land Innovations)

Welcome and Introductions

Discussion

Amanda Howell: Provided maps and list of stations
Asked that all samplers:
 Review to be sure that it is all represented correctly
 Check location data
 Respond to Amanda within one month
Continuous data - used 4 measurements per day
Lcode = EPA process code

Tim Wool: Once all data is QC'd by groups, it will be put back into database and released to everyone publically

Amanda Howell: Provided a brief overview of the models
Weather Parameters & facility data will be extended out to the end of 2018
They are using a 2 model system - LSPC and WASP
 LSPC=Loading Simulation Program C++
 WASP=Water Quality Analysis Simulation Program

Tim Wool: Will take approximately 6 months to calibrate model
Once calibrated, models will be released to the group so that everyone can take a look
EPA will return in the fall to present models to the group
At that point, people can ask questions about the models
Day long training will be planned (½ basics & ½ more technical)
EPA is going to want comments on the calibrated models
EPA will primarily be training TDEC since TDEC is responsible for the TMDL

Jenny Dodd We need to begin looking at endpoints
Tim Wool Typical: remove anthropogenic sources, convert landuse and run a "pristine" scenario
Run a current condition scenario both with and without point sources
Other scenarios would be up to TDEC to choose

Dustin Bambic Comments that people can get lost in the modeling
Group should rely on TDEC to understand the modeling
Most should focus on what they can do, such as implementation

Jenny Dodd: TDEC will be trained on the models
TDEC will be drafting the TMDL for EPA approval
TDEC will reach out to ACWA to review & provide input on draft TMDL
Review of TMDL will be done prior to public notice of the document

Dorie Bolze: HC has 18k left to use in USGS continuous monitoring
Tim Wool: Continuous monitoring data will be useful in the future
Modeling simulation will end with 2018 data-no more data needed for model
Franklin withdrawal is the only one accounted for in the model
Water withdrawals are generally an unknown that can't be calculated

Jenny Dodd: Potential Endpoint discussion
What are we concerned with and what do we want to establish?
DO/ Chlorophyll?
E coli would probably be from nonpoint sources

Dorie Bolze: Comment that people are concerned about bacteria-pets/kids getting sick

Dustin Bambic: As users of the river, our concern is that the waters are green, stagnant and yucky when you float it and people do not like that. The end point chosen should make that go away.

David Duhl: E coli is a relatively easy TMDL to do, but difficult to implement
Would rely on landowner interaction

Dustin Bambic: If the group is okay with setting pathogens aside, maybe we could focus on DO
Asked if there was a current status of the watershed

David Duhl: Assessment is done every five years

Dorie Bolze: Maybe we could do 2 meetings in the fall-Endpoints/models

Next Steps / Plan for Timing of Next Meeting

GROUP: Provide feedback to EPA on data within one month
TDEC & EPA: Plan for Late Fall Meeting/Training