

Wastewater Supplemental Indicators: WQGIT Recommendation to MB

Purpose of Discussion:

- Seek Chesapeake Bay Program's (CBP) Management Board (MB) concurrence with Water Quality Goal Implementation Team (WQGIT) recommendations regarding how a new "Partnership-recognized" supplemental wastewater indicator will be reported, who will be responsible for maintaining the new indicator and what to do with current supplemental wastewater indicator.
- Seek MB concurrence with WQGIT recommendation regarding changes to the current supplemental wastewater indicator.

Next Steps:

- Pending MB approval, implement the recommendations.

Background:

- All CBP indicators are approved by the MB and are linked to from the [Track the Progress](#) section of [CBP's website](#). Indicators appear on this page as a "laundry list", in alphabetical order. Linkages are also provided from the categories of indicators featured in the left hand column: [Health](#) indicators (including [Bay Health](#), [Watershed and River Health](#), and [Factors Impacting Bay and Watershed Health](#)) and [Restoration and Protection Efforts](#) indicators.
- CBP currently reports a [supplemental wastewater indicator](#) which is maintained by staff at the CBP Office and at EPA Region 3 on behalf of all CBP jurisdictions. This supplemental indicator is linked to from CBP's Reducing [Nitrogen](#), [Phosphorus](#) and [Sediment](#) Pollution indicators and also directly from the [Track the Progress](#) page (near the bottom of the alphabetically-ordered "laundry list").
- The WQGIT's Wastewater Treatment Workgroup (WWTWG) has "accepted" a [new supplemental wastewater indicator](#) for use by Maryland. No other jurisdiction plans to use the indicator at this point in time, but could decide to use it in the future (refer to [11/5/2013 minutes](#)).
- At the [1/2/2014 meeting](#) of the Scientific and Technical Analysis and Reporting (STAR) Team's Indicators Workgroup (IWG), issues related to the wastewater supplemental indicators were discussed.
 - Since the [new supplemental wastewater indicator](#) only will be used by MD at this point in time, a proposal was discussed to provide a link from the CBP indicator pages to a MD website where this new supplemental wastewater indicator would be presented and maintained.
 - This is similar to how to how CBP dealt with the old chlorophyll *a* and clarity indicators that were replaced by the new ones that track [water quality standards attainment for chlorophyll *a*](#) and [water quality standards attainment for water clarity/underwater bay grasses](#). Since the University of MD Center for Environmental Science (UMCES) will continue to update the old chlorophyll *a* and clarity indicators, a link is provided from the "additional information" sections of the CBP indicator webpages to the UMCES webpages where the data/charts/etc. for the old indicators are maintained:

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- “The University of Maryland Center for Environmental Science reports a different chlorophyll *a* indicator which tracks data in all tidal water segments and not in relation to Chesapeake Bay water quality standards. The results of that indicator are available at http://ian.umces.edu/ecocheck/report-cards/chesapeake-bay/2012/indicators/chlorophyll_a/ and are updated annually in the [Bay Report Card](#).”
- “The University of Maryland Center for Environmental Science reports a different water clarity indicator which tracks mid-channel data in all tidal waters and not in relation to Chesapeake Bay water quality standards. The results of that indicator are available at http://ian.umces.edu/ecocheck/report-cards/chesapeake-bay/2012/indicators/water_clarity/ and are updated annually in the [Bay Report Card](#).”
- Subsequent to the IWG discussion, CBPO staff met with staff at MDE to discuss the IWG’s proposal.
 - MDE staff agreed that until other jurisdictions decide to use the indicator it is appropriate for the new wastewater indicator to be presented and maintained on a MD website (they recommended BayStat). They agreed to work with BayStat staff to implement this proposal and requested CBPO staff review of the indicator prior to it becoming live on BayStat. After it becomes live, the new wastewater indicator will be presented to the WWTWG, the WQGIT and the MB.
 - MDE staff requested that a “CBP partnership approval” statement appear in association with the indicator featured on BayStat. Language related to this “approval” will be presented to the WQGIT prior to recommendation to the MB (see below).
 - MDE staff agreed to develop language for the link from the CBP indicator webpages to explain why the supplemental indicator was developed and provide context for what the public will see when they follow the link. Language related to this “linkage” will be presented to the WQGIT prior to recommendation to the MB (see below).
- Concurrent to the IWG discussion, the WWTWG was asked to make a recommendation regarding what to do with the [current supplemental wastewater indicator](#) by 1/9/2014. Two jurisdictions represented on the workgroup (MD, VA) recommend the current indicator be removed from the “Track the Progress” section of ChesapeakeBay.net; two recommend keeping it (DE, WV).
- At the [1/13/14 meeting of the WQGIT](#), DE and WV changed their recommendation to “no preference”; PA and EPA joined VA and MD in their recommendation to remove; NY did not comment. CBC asked for the page to be maintained to explain why the old indicator information is no longer reported (VA explained that James River facilities data portrayed in the current indicator are misleading; MD explained that the old indicator is of no value since they prefer the new indicator; EPA explained that it has been challenging to explain the current indicator to the public). CBF asked that the old summarized information be easily accessible (e.g. via BayTAS).

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- Subsequent to the WQGIT meeting, the chair of the IWG met with the BayTAS team leader to discuss the CBF needs related to the old indicator information. It was explained that this information is already being provided via ChesapeakeStat (presented on the “permitted facility” tab in the TMDL tracker (http://stat.chesapeakebay.net/?q=node/130&quicktabs_10=2)).
- At their [1/23/2014 meeting](#), STAR agreed with the WQGIT but additionally recommended the following:
 - When the indicator is presented on the website managed by the State of Maryland, it should be accompanied by a video or audio file that provides an explanation of the indicator to assist with public understanding.
 - If not already completed, Virginia needs to work with the BayTAS team to ensure that their permit limits data is being reported accurately via ChesapeakeStat.

WQGIT Recommendation:

- Provide a link from the CBP’s Reducing [Nitrogen](#), [Phosphorus](#) and [Sediment](#) Pollution indicators to a new wastewater indicator to be featured on a website managed by the State of Maryland. If the MB decides to maintain the [current supplemental wastewater indicator](#), also provide a link from that page.
- Include the following “CBP partnership approval” statement in association with the new wastewater indicator to be featured on a website managed by the State of Maryland:

“The Chesapeake Bay Program Partnership-approved Supplemental Wastewater Indicator is a load-based measure of average annual progress toward the 2025 planning targets for wastewater treatment plants and industrial sources.”

- Use the following language in association with the linkage that will be provided from the CBP indicator webpages:

“The Supplemental Wastewater Indicator is a load-based measure of average annual progress toward the 2025 planning targets for wastewater treatment plants and industrial sources. Unlike the Reducing Pollution indicators which report wastewater flows from annual discharge data, this wastewater indicator uses long-term average flows to control for annual variations in weather and hydrological conditions. Since these hydrological influences can cause load fluctuations that exceed restoration efforts in any given year, this indicator was developed as a tool for watershed managers to better understand the effects of their management decisions.”

- Remove the current “supplemental” wastewater indicator charts and information from the indicator webpage, but maintain the indicator webpage and explain why the old indicator is no longer reported (misleading for VA; no value to MD; confusing for all). Provide linkages to where the old information can be found (ChesapeakeStat). Provide linkages to new WW indicator to be featured on a website managed by the State of Maryland.