

SENT VIA EMAIL TO DREW BARTLETT

From: Salvaterra.Danielle@epamail.epa.gov
Sent: Monday, August 16, 2010 2:35 PM
To: Bartlett, Drew
Cc: Brooks, Jerry; King.Ephraim@epamail.epa.gov;
Washington.Evelyn@epamail.epa.gov; Behl.Betsy@epamail.epa.gov;
Newman.Amy@epamail.epa.gov; Thomas.Dana@epamail.epa.gov;
Oliver.Jacques@epamail.epa.gov; Keating.Jim@epamail.epa.gov;
Fabiano.Claudia@epamail.epa.gov; Ford.Peter@epamail.epa.gov;
Baschon.Carol@epamail.epa.gov
Subject: Re: Request for Information

Drew,

In response to your letter of August 10th requesting information in order to review the supplemental notice of data availability that was published in the Federal Register on August 2, 2010, existing information located in EPA's docket associated with this supplemental notice (www.regulations.gov, docket ID: EPA-HQ-OW-2009-0596) addresses your requests for information:

1. Nutrient Watershed Regions: In response to the request for information pertaining to the reasoning behind the delineation for the total nitrogen (TN) watershed regions, EPA directs FDEP to the following documents (located in the docket associated with this supplemental notice), the first two of which describe the data and how the criteria were calculated:

- EPA-HQ-OW-2009-0596-2441 (Deriving Nutrient Criteria for the Benchmark Population)
- EPA-HQ-OW-2009-0596-2440.2 (notes file).

And relevant data files:

- EPA-HQ-OW-2009-0596-2440 (allstr00.txt: Nutrient data retrieved from STORET and GWIS from 1989 to 2009)
- EPA-HQ-OW-2009-0596-2440.1 (ldi.corridor.txt: LDI values in stream corridor upstream of site. Received from Ken Weaver on 7/27/2010. Any site with any LDI value >2 flagged for exclusion)
- EPA-HQ-OW-2009-0596-2440.3 (s.303d.txt: 303d listings for DO and nutrients)
- EPA-HQ-OW-2009-0596-2440.4 (s.bpj.site.txt: Site exclusions based on FDEP best professional judgment)
- EPA-HQ-OW-2009-0596-2440.5 (s.ldi.txt: Watershed LDI screen. LDI values in watershed > 3 excluded)
- EPA-HQ-OW-2009-0596-2440.6 (s.nox.new.txt: Screen WBIDS based on average NOx concentration in WBID > 0.35 mg/L)
- EPA-HQ-OW-2009-0596-2440.7 (s.sci.site.org.txt: Screen based on SCI summarized at site level. Any site with consecutive values of SCI < 40 is excluded)
- EPA-HQ-OW-2009-0596-2440.8 (s.sci.wbi.txt: Screens based on average SCI values of at least 40 within a WBID. Any WBID with average value < 40 excluded)
- EPA-HQ-OW-2009-0596-2440.9 (sites01.final.txt: Table matching site

code to WBID code, and providing regions)

2. Stream Criteria: In response to the request for information pertaining to the frequency and duration of the streams criteria, EPA directs FDEP to the streams criteria frequency and duration language on the preferred and alternative options contained in the Agency's January 26, 2010 proposal (Page 4195). EPA is not seeking additional comment on duration and frequency associated with streams criteria in this supplemental notice.

3. Downstream Protection of Lakes: In response to the request for information regarding application of BATHTUB or WASP, both models can be used to assure attainment of applicable lake chlorophyll a, total phosphorus, and total nitrogen criteria. EPA's implementing regulations at 40 CFR 131.10(b) provide, "the State shall take into consideration the water quality standards of downstream waters and shall ensure that its water quality standards provide for the attainment and maintenance of the water quality standards of downstream waters." Page 45582, 3rd column of the supplemental notice states, "BATHTUB predicts nutrient-related water quality conditions such as total phosphorus, total nitrogen and chlorophyll a concentrations." Page 45583, 1st column states that "EPA is considering recommending BATHTUB as the method for calculating the TN and TP downstream protective values in streams that flow into lakes", and Page 45583, middle column states that WASP is a "more complex model" that can be used "where water quality considerations that fall outside the scope of BATHTUB are to be explicitly considered".

If you have further questions, please contact me at 202-564-1631 or Evelyn Washington, acting Division Director for Standards and Health Protection, at 202-566-0591.

Best regards,
Danielle

Danielle Salvaterra
U.S. EPA, Office of Water
Office of Science & Technology
Standards & Health Protection Division
Regional, State, & Tribal Standards Support Branch MC 4305T

T: 202-564-1631
F: 202-566-9981