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MEMORANDUM

TO: Angie Garcia, EPA Region III
Helene Drago, EPA Region III

FROM: Melissa Chatham

RE: Review of the Approval Letter for the Antietam Creek Sediment TMDL for the 2008 Submittal Year

DATE: January 13, 2009

MDE has reviewed the approval letter and decision rationale for the following TMDL:

Draft Total Maximum Daily Load of Sediment in the Antietam Creek Watershed, Washington County, Maryland Dated Dec. 18, 2008

As a result of this review the following changes are requested:

Antietam Creek

Decision Rationale

Page 1, second paragraph, third sentence, the submittal date should be August 12.

Page 2, Table 2, the WLA should be 134.1 and the LA should be 950.2.

Page 2, second paragraph, second sentence, "account" should be "accounts".

Page 2, last paragraph, second to last sentence, the land use percentages should be as follows: forest (30.6%), crop (28.3%), urban (26.7%) and pasture (14.4%).

Page 3, second full paragraph, after the phrase, "Public Water Supply" the following should be inserted, "except for Beaver Creek, Marsh Run, and Little Antietam Creek, which are classified as Use III-P: *Nontidal Cold Water and Public Water Supply*."

Page 3, fourth paragraph, seventh sentence the phrase "CBP P5 model" should be deleted. At the end of the next sentence the following should be added, "and also includes a small area within the northeast Maryland portion of the watershed". At the end of the next sentence the following should be added, "and also includes the sediment loads from Pennsylvania that flow into Maryland in the northwest portion of the watershed.". In the last sentence, after Segment 2 the phrase "is impaired and therefore".

Page 3, last paragraph which flows onto the next page, all references to "yield" should be "load". In the fourth sentence, "forest" between "the" and "sediment" should be deleted.



Page 4, under the heading, *The TMDLs are designed to implement applicable water quality standards*, the following should be inserted, “except for Beaver Creek, Marsh Run, and Little Antietam Creek, which are classified as Use III-P: *Nontidal Cold Water and Public Water Supply*.” In the fourth sentence, the term “general” should be replaced with “narrative”. In the same paragraph, the sentence beginning with “The current sediment load...” should be deleted. This is never stated in the TMDL document. Only segment 1 is shown in a graphic, thus there is no way to determine how many times greater the watershed sediment load is than the all forested condition. In the next sentence, “/III-P” should be added after “Use IV-P”.

Page 5, under the heading *Total Allowable Load* in the first sentence, “yield” should be replaced by “load”; the word “and” should be added between “community” and “the Antietam”; the end of the sentence should be “Creek Watershed sediment load expected from an all-forested condition.”

Page 5, under the heading *Wasteload Allocations*, the first sentence should end after Antietam Creek Watershed and the rest of the sentence should be deleted. After this sentence the following should be added: These point source facilities can be grouped into two categories, process water and stormwater. The process water sources include 15 municipal facilities, three industrial facilities and three mineral mines. The stormwater sources include 26 regulated stormwater discharges.

Page 5, under the heading *Wasteload Allocations*, before the last sentence the following should be added, “No reductions were applied to the permitted process waters sources because at 1.4% of the total load, such controls would produce no discernable water quality benefit.”

Page 6, first paragraph, second to last sentence after the phrase “controllable nonpoint sources”, “only should be added.

Page 7, paragraph under the heading, *The TMDLs include a Margin of Safety*, all references to “yield” should be “load”.

Page 8, first paragraph under the heading of *The TMDLs have been subject to public participation*, the year for the public comment period is “2007” not “2008”.

