

APPENDIX F

SEWRPC Letter–May 12, 2004– Completed Review of April 9, 2004 “Point Source Loading Calculations for Purposes of Watercourse Modeling”.

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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May 12, 2004

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HNTB

Mr. Patrick T. Marchese, P.E.
HNTB Corporation
One Park Place
11414 W. Park Place, Suite 300
Milwaukee, WI 53224

Dear Mr. Marchese:

The Commission staff has completed review of the draft technical memorandum entitled, "Point Source Loading Calculations for Purposes of Watercourse Modeling," dated April 9, 2004.

An earlier version of this memorandum was provided for the Commission staff review. The version of the memorandum noted above has incorporated Commission staff comments and recommendations made on the earlier version. There remain a few relatively minor changes which should be made. These are noted in the attached SEWRPC staff memorandum. Upon incorporation of the changes noted in the attached memorandum, the Commission staff agrees with the findings and conclusions set forth in the subject memorandum for use in the modeling for the ongoing regional water quality management plan update for the greater Milwaukee watersheds and the MMSD 2020 facilities planning.

We trust this letter is responsive to the agreements reached on the modeling methodology review.

Should you have any questions, please do not hesitate to call.

Sincerely,

Robert P. Biebel, P.E., P.H.
Chief Environmental Engineer

RPB/pk
#94934 V1 - RWQMP UPDATE POINT SOURCE TECH MEM LTR

Enclosure (#94939)

cc: Mr. Timothy R. Bate, MMSD

SEWRPC Staff Memorandum

SEWRPC STAFF COMMENTS ON DRAFT MMSD 2020 FP/RWQMPU TECHNICAL MEMORANDUM: POINT SOURCE LOADINGS CALCULATIONS FOR PURPOSES OF WATERCOURSE MODELING, DATED APRIL 9, 2004

Section 2

- Correct the misspelling of “Phosphor~~ous~~” in the bulleted items on the bottom of page 2 and throughout the memo, including tables.

Section 3.1

- Correct the misspelling of “these” in the last sentence of paragraph 3.
- Response to WDNR comments indicates that when information on “error” around the mean is developed, it will be placed in an appendix to the final draft. Placing this information in an appendix would seriously reduce its usefulness. We recommend that a row be added to each table containing means that gives the standard error of the mean. This can be calculated by dividing the standard deviation associated with the mean by the square root of the sample size.
- The spelling of “to much” should be corrected to “too much” in paragraph 2 of page 6 and other places where it occurs in the memo.

Section 4.1

- The previous draft of Table 6 recommended using the geometric mean of 0.9 mg N per l for nitrate/nitrite concentration. The current draft recommends using the arithmetic mean of 1.0 mg N per l. Why has this changed?

Section 6.1

- Tables 9 & 10 are labeled as being current as of February 2003. This does not seem to fully address the WDNR’s request that permit information be referenced to a particular date.
- Page 20, paragraph 2 the spelling of “run off” should be corrected to runoff.

Ancillary Issues

- The subject of the memo should be revised to “Point Source Loadings Calculations for Purposes of Watercourse Modeling: MMSD Planning Area”. This will help distinguish this memo from the future memos regarding point sources in the estuary/Lake Michigan area and remainder of the Greater Milwaukee watershed area.

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