



February 10, 2022

Mr. Timothy R. Asplund
Monitoring Section Chief
WDNR – Bureau of Water Quality
101 S. Webster Street
Madison, WI 53707-7921

RE: Water Quality Management Letter for Sewer Service Area Amendment Request #2106 –
Waunakee USA

Dear Mr. Asplund:

The Village of Waunakee has submitted a request for a sewer service area amendment to the *Dane County Water Quality Plan*. The proposed amendment is currently in the Village of Waunakee, in the Sixmile Creek (HUC 12: 070900020602) watershed. It includes the addition of approximately 83.1 acres of land, including approximately 6.7 acres of existing road right-of-way, and 19.8 acres of proposed environmental corridors for a net of approximately 56.6 developable acres to the Waunakee Urban Service Area. A public hearing was held on the proposed amendment at the January 13, 2022, Regional Planning Commission meeting. The City's application and the Commission staff's analysis report of the proposed amendment have been submitted to the Department's Surface Water Integrated Monitoring System.

It is the Capital Area Regional Planning Commission staff's opinion that the proposed amendment is consistent with water quality standards under Wis. Stat. § 281.15, and the adopted Policies and Criteria for the Review of Sewer Service Area Amendments to the *Dane County Water Quality Plan*, by meeting applicable state and local requirements identified below. Additional actions have also been recommended below to further improve water quality and environmental resource management.

At our February 10, 2022, meeting, the Capital Area Regional Planning Commission voted to recommend approval of this amendment to the Wisconsin Department of Natural Resources, based on the land uses and services proposed, and in recognition of the state and local requirements for the following:

1. State and local review and approval of stormwater management plan(s) is required, including Regional Planning Commission staff review and approval as part of the sewer extension review process.

- a. Stormwater and erosion control practices are required to be installed prior to other land disturbing activities. Infiltration practices are required to be protected from compaction and sedimentation during land disturbing activities.
 - b. Peak rates of runoff are required to be controlled for the 1-, 2-, 10-, and 100-year 24-hour design storms to “pre-development” levels, in accordance with the Village of Waunakee and Dane County Stormwater Ordinance requirements at the time of Village stormwater management plan approval.
 - c. Sediment control is required that achieves at least 80% sediment control for the amendment area based on the average annual rainfall, with a minimum of 60% of that control occurring prior to infiltration, in accordance with the Village of Waunakee and Dane County Stormwater Ordinances.
 - d. Runoff volume control is required that maintains the post development stay-on volume to at least 90% of the pre-development stay-on volume for the average annual rainfall period, in accordance with the Village of Waunakee and Dane County Stormwater Ordinances.
 - e. Oil and grease control is required that treats the first one-half inch of runoff using best management practices at commercial and industrial sites, in accordance with the Village of Waunakee and Dane County Stormwater Ordinances.
 - f. Maintaining pre-development groundwater recharge rates from the Wisconsin Geological and Natural History Survey’s 2012 report, *Groundwater Recharge in Dane County, Wisconsin, Estimated by a GIS-Based Water-Balance Model* (a range of 9 to 10 inches/year for the amendment area or by a site specific analysis), when required by the Village of Waunakee and Dane County Stormwater Ordinances.
2. Stormwater management facilities shall be placed in public outlots whenever feasible.
 3. Environmental corridors are required to be delineated to include the wetland, required buffers, parks, and stormwater management areas to meet the Environmental Corridor Policies and Criteria adopted in the *Dane County Water Quality Plan*.

Mr. Timothy R. Asplund

February 10, 2022

Page 3

It is also recommended that the Village of Waunakee pursue the following to further improve water quality and environmental resource management:

1. Continue to foster the responsible use of chlorides by using Salt Wise practices and encouraging winter maintenance professionals within the Village of Waunakee to attend the winter salt certification classes offered by Wisconsin Salt Wise.
2. Encourage the use of native flora favored by the Rusty Patched Bumble Bee in landscaping to provide suitable habitat for this pollinator, where appropriate.
3. Reevaluate the approved Stormwater Management Plan to see if it can be cost-effectively modified to meet post-construction peak runoff rate control for the 200-year, 24-hour design storm as currently required by Dane County Ordinance.

If you have any questions regarding this matter, please do not hesitate to contact Mike Rupiper, the Commission's Deputy Agency Director.

Sincerely,



David Pfeiffer
Chairperson



Kris Hampton
Secretary

cc: Mr. Tim Semmann, Community Development Director, Village of Waunakee

