



April 14, 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 #2105 – Central USA (City of Madison / Northeast Neighborhood)

Dear Mr. Asplund:

The City of Madison has submitted a request for a sewer service area amendment to the *Dane County Water Quality Plan*. The proposed amendment is currently in the Town of Burke and the City of Madison, in the Starkweather Creek (HUC 12: 070900020701) and Door Creek (HUC 12: 070900020901) watersheds. It includes the addition of approximately 407 acres of land, including approximately 129 acres of existing development and road right-of-way, and 64 acres of proposed environmental corridors for a net of approximately 214 developable acres to the Central Urban Service Area. A public hearing was held on the proposed amendment at the March 10, 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 state and local requirements and agreements identified below. Additional actions have also been recommended below to further improve water quality and environmental resource management.

At our April 14, 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-, 100-, and 200-year 24-hour design storms to “pre-development” levels, in accordance with the City of Madison and Dane County Stormwater Ordinances.
 - 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 City of Madison 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 City of Madison and Dane County Stormwater Ordinances.
 - e. Oil and grease control are required that treats the first one-half inch of runoff using best management practices at commercial and industrial sites, in accordance with the City of Madison 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 City of Madison and Dane County Stormwater Ordinances.
2. Easements and perpetual legal maintenance agreements with the City, to allow the City to maintain stormwater management facilities if owners fail to do so, are required for any facilities located on private property.
 3. Field verification for areas of the development site considered suitable for infiltration including a site assessment for karst features is required by the Wisconsin Department of Natural Resources Conservation Practice Standard 1002 - Site Evaluation for Stormwater Infiltration.
 4. Environmental corridors are required to be delineated to meet the Environmental Corridor Policies and Criteria adopted in the *Dane County Water Quality Plan*.

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

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1. Request a formal Endangered Resources Review by the WDNR or one of their certified reviewers for potential impacts to endangered resources like rare plants, animals and natural communities and take necessary habitat protection measures if species are found.
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. Continue to foster the responsible use of chlorides by collaborating with Wisconsin Salt Wise and working to implement the Starkweather Creek Chloride Management Plan.

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. Jeff Greger, Planner, City of Madison

