



February 9, 2024

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 #2310 – Northern USA (Village of DeForest – “Northern Interstate Corridor Area”)

Dear Mr. Asplund:

The Village of DeForest has submitted a request for a sewer service area amendment to the *Dane County Water Quality Plan*. The proposed amendment area is currently in the Village of DeForest, in the Cherokee Lake-Yahara River (HUC 12: 070900020504) and One Hundred Mile Grove Cemetery (HUC 12: 070900020502) subwatersheds. It includes the addition of approximately 122 acres of land, including approximately 13 acres of existing development and right-of-way and 11 acres of proposed environmental corridors, for a net of approximately 98 developable acres to the Northern Urban Service Area. A public hearing was held on the proposed amendment at the January 11, 2024, Regional Planning Commission meeting. The Village’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. Additional actions have also been recommended below to further improve water quality and environmental resource management.

At our February 8, 2024, meeting, the Capital Area Regional Planning Commission voted to recommend approval of this amendment to the Wisconsin Department of Natural Resources 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-, 5-, 10-, 25-, 100-, and 200-year 24-hour design storms to pre-development levels, in accordance with the Village of DeForest and Dane County Stormwater Ordinances.
 - c. Sediment control is required to achieve at least 80% sediment control for the amendment area based on the average annual rainfall period, with sediment control pretreatment occurring prior to infiltration for runoff from parking lots and new road construction within commercial, industrial, and institutional land uses, in accordance with the Village of DeForest and Dane County Stormwater Ordinances.
 - d. Runoff volume control is required to maintain the post-development stay-on volume to at least 90% of the pre-development stay-on volume for the average annual rainfall period, and without exception for sites within a closed basin watershed, in accordance with the Village of DeForest and Dane County Stormwater Ordinances.
 - e. Maintain predevelopment 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*", for the amendment area (a range of 9 to 11 inches/year) or by a site-specific analysis, when required by the Village of DeForest and Dane County Stormwater Ordinances.
 - f. Thermal control is required to reduce the temperature of stormwater runoff from development sites within thermally sensitive watersheds, in accordance with the Village of DeForest and Dane County Stormwater Ordinances.
 - g. Oil and grease control are required to treat the first one-half inches of runoff using best management practices at commercial and industrial sites and any other uses where the potential for pollution by oil or grease, or both, exists, in accordance with the Village of DeForest and Dane County Stormwater Ordinances.
2. Easements and perpetual legal maintenance agreements with the Village, to allow the Village to maintain stormwater management facilities if owners fail to do so, are required for any facilities located on private property.
 3. 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 Village of DeForest pursue the following to further improve water quality and environmental resource management:

Mr. Timothy R. Asplund

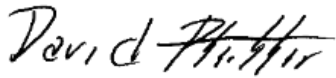
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1. Continue to participate in regional water quality initiatives including Wisconsin Salt Wise, the Madison Area Municipal Storm Water Partnership (MAMSWaP), and Yahara WINS.
2. Require an archaeological survey to be performed by a qualified archaeologist for the "Research Products" amendment area as recommended by the Wisconsin Historical Society and take necessary protection measures if artifacts are found.

If you have any questions regarding this matter, please do not hesitate to contact Nick Bower, the Commission's Senior Environmental Engineer.

Sincerely,



David Pfeiffer
Executive Chairperson



Kris Hampton
Secretary

cc: Mr. Bill Chang, Village Administrator, Village of DeForest

