



April 12, 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 #2401 – Northern USA (Village of DeForest – “Hwy 19 & USH 51”)

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, with most of the area within the Cherokee Lake-Yahara River (HUC 12: 070900020504) watershed and a portion in the Token Creek (HUC 12: 070900020503) watershed. It includes the addition of approximately 175 acres of land, including approximately 22 acres of existing right-of-way and 17 acres of proposed environmental corridors, for a net of approximately 136 developable acres to the Northern Urban Service Area. A public hearing was held on the proposed amendment at the March 14, 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 identified below. Additional actions have also been recommended below to further improve water quality and environmental resource management.

At our April 11, 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-, 10-, 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 (a range of 9 to 10 inches/year for the amendment area) determined 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*", or by a site-specific analysis, as an elective alternative to meeting the 90% stay-on requirement if more than two percent (2%) of the site is required to be used as effective infiltration area, in accordance with 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*.

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

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. Encourage the Developer(s) to collaborate with Wisconsin Salt Wise and encourage any contracted private winter maintenance professionals to attend the winter salt certification classes offered by Wisconsin Salt Wise.
3. 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, based on the results of screening conducted.
4. Encourage the removal and control of invasives and the use of native flora favored by the Rusty Patched Bumble Bee in landscaping to provide suitable habitat for this pollinator, where appropriate, due to a portion of the amendment area being within the High Potential Zone for the federally endangered Rusty Patched Bumble Bee.

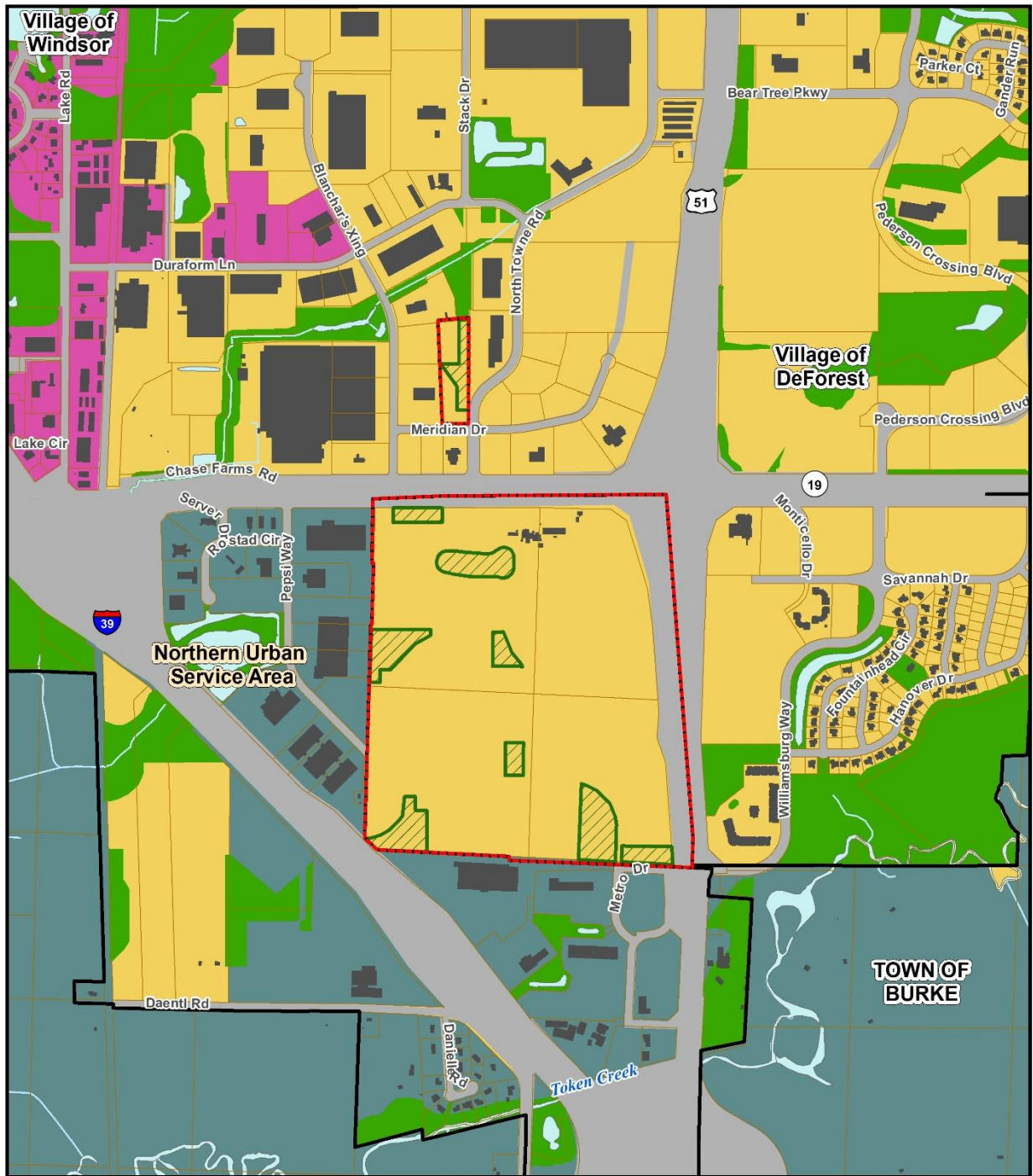
If you have any questions regarding this matter, please do not hesitate to contact Nick Bower, the Commission's Senior Environmental Engineer.

Sincerely,

David Pfeiffer  
Executive Chairperson

Kris Hampton  
Secretary

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



**Map 1 Amendment Area**

Proposed Amendment to the Dane County Water Quality Plan, Revising the Sewer Service Area Boundary and Environmental Corridors in the Northern Urban Service Area

-  Existing Service Area
-  Service Area To Be Added
-  Existing Environmental Corridors
-  Environmental Corridor To Be Added

Date: 03/28/2024

