



210 Martin Luther King Jr. Blvd. Room 362 Madison, WI 53703 Phone: 608-266-4137 Fax: 608-266-9117 [www.CapitalAreaRPC.org](http://www.CapitalAreaRPC.org) [info@CapitalAreaRPC.org](mailto:info@CapitalAreaRPC.org)

April 12, 2018

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 #1704 – Oregon USA

Dear Mr. Asplund,

On February 5, 2018, the Village of Oregon submitted a sewer service area amendment application to the Capital Area Regional Planning Commission requesting an expansion of the Oregon Urban Service Area. The proposed amendment is located in the Oregon Branch and Badfish Creek watersheds. The proposed amendment includes the addition of approximately 81.1 acres of land, including approximately 7.4 acres of existing development and 16.9 acres of proposed environmental corridor, for a net of approximately 56.8 developable acres to the Oregon Urban Service Area. The proposed stormwater management facilities, groundwater recharge area, and planned park and open space have been included in environmental corridors in accordance with the adopted environmental corridor policies and criteria of the *Dane County Water Quality Plan*. A public hearing was held on the proposed amendment at the March 8, 2018 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, with the conditions of approval identified below. Additional actions have also been recommended below to further improve water quality and environmental resource management.

At our April 12, 2018 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 conditioned on the continued commitment of the Village of Oregon to pursue the following:

1. Submit a detailed stormwater management plan for Regional Planning Commission staff review and approval (in conjunction with DCL&WCD staff) prior to any land disturbing activities in the amendment area. The stormwater management plan shall include the following:

- a. Install stormwater and erosion control practices prior to other land disturbing activities. Protect infiltration practices from compaction and sedimentation during land disturbing activities.
  - b. Control peak rates of runoff to the more protective of the following:
    - i. For the 1-, 2-, 10-, and 100-year 24-hour design storms to pre-development rates, in accordance with the Dane County Stormwater Ordinance.
    - ii. For the 10-year, 24-hour design storm to the 2-year, 24-hour pre-development rate, in accordance with the Village of Oregon Stormwater Ordinance.
    - iii. For the 100-year, 24-hour design storm to the 10-year, 24-hour pre-development rate, in accordance with the Village of Oregon Stormwater Ordinance.
  - c. Provide at least 80% sediment control for the amendment area based on the for the 1-year, 24-hour design storm, with a minimum of 60% of that control occurring prior to infiltration, in accordance with the Dane County Stormwater Ordinance.
  - d. Maintain 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 Dane County Stormwater Ordinance.
  - e. Maintain 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 9.5 to 10 inches/year for the amendment area) or by a site specific analysis, in accordance with the Dane County Stormwater Ordinance.
  - f. Follow the [recommendations of the Stormwater TAC](#) for closed basins:
    - i. Require 100% on-site control of the average pre-development runoff volume based on average annual rainfall.
    - ii. Require provision of adequate storage within the internally drained area for the runoff volume from back-to-back 100-year 24-hr storms to define a flood protection elevation, and so that there is no increase in downstream flood risk during a 100-year event due to discharges from the internally drained area.
    - iii. Require development of an emergency drawdown (pumping) plan where necessary to mitigate unanticipated local flooding.
  - g. Where the Village does not have the right, such as an easement or ownership, to increase flows downstream, infiltration shall be required such that the runoff-volume pre-development to post-development is matched up to and including a 10-year design event.
2. Conduct a field verification for areas of the development site considered suitable for infiltration including a site assessment for karst features as required by the [Wisconsin Department of Natural Resources Conservation Practice Standard 1002 - Site Evaluation for Stormwater Infiltration](#).

Mr. Timothy R. Asplund

April 12, 2018

Page 3

3. Stormwater management facilities shall be placed in public outlots whenever feasible and designated as environmental corridor. Easements and perpetual legal maintenance agreements with the Village, to allow the Village to maintain stormwater management facilities if owners fail to do so, shall be provided for any facilities located on private property.
4. Delineate environmental corridors to include parks, stormwater management, and groundwater recharge areas to meet the [Environmental Corridor Policies and Criteria](#) adopted in the *Dane County Water Quality Plan*. Submit plats showing environmental corridors for Regional Planning Commission staff review and approval prior to recording.
5. Conduct a capacity evaluation and needs assessment for the wastewater treatment plant before reaching 90% of capacity to either reduce source contributions (i.e. per capita use and reduced I/I) or increase plant flow capacity.

It is also recommended that the Village of Oregon pursue the following:

1. Encourage the responsible use of deicers and water softeners as an active participant in the [WI Salt Wise Partnership](#).
2. Participate in the [Green Tier Clear Waters Initiative](#), which aims to reduce the sediment and nutrient delivery to Dane County's lakes and streams from construction activities, beyond the current state and local requirements.
3. Consider using permeable pavement or other pervious surfaces for the proposed trails where appropriate based on site conditions and planned uses.

If you have any questions regarding this matter, please do not hesitate to contact Mike Rupiper, the Commission's Director of Environmental Resources Planning.

Sincerely,

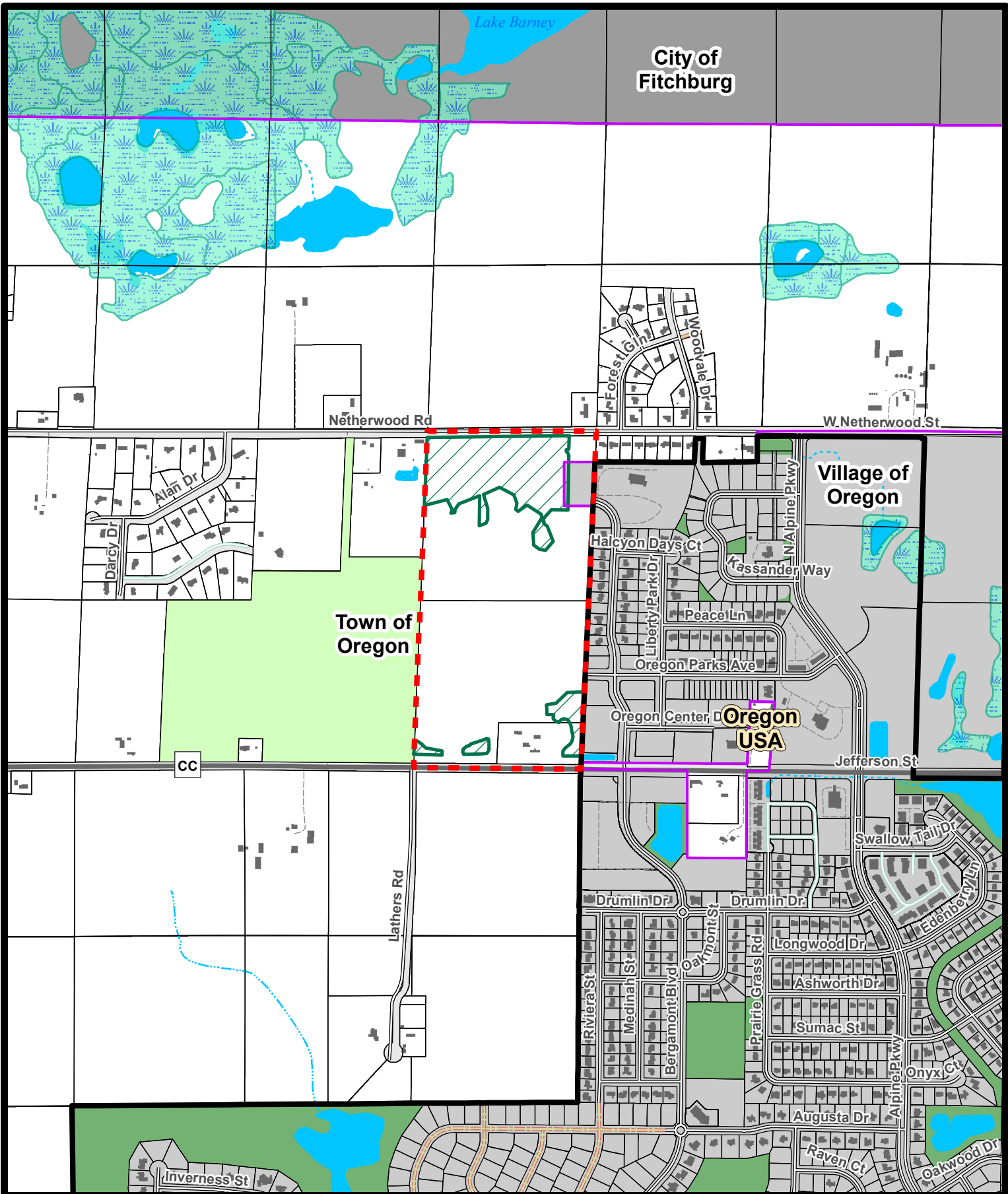


Larry Palm  
Executive Chairperson








Kris Hampton  
Secretary

cc: Mr. Mike Gracz, Administrator, Village of Oregon

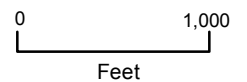


**Map 1 Amendment Area**

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

-  Service Area to be Added (81.1 acres)
-  Incorporated Area
-  Existing Service Area
-  Environmental Corridor to be Added (16.9 acres)
-  Existing Environmental Corridors

Date: 03/07/2018



Prepared by staff of the CARPC.