



July 7, 2017  
*Sent via email*

Ms. Lisa Helmuth  
Water Resources Management Specialist  
Wisconsin Department of Natural Resources  
101 S. Webster Street – GEF2  
P.O. Box 7921  
Madison, WI 53707-7921

Re: Revised CARPC July – Dec. 2017 Water Quality Management Planning Work Program

Dear Ms. Helmuth:

We are providing to you a revised work plan for the Capital Area Regional Planning Commission's continuing water quality management planning program as it is proposed to be conducted cooperatively with the Department during July – December 2017. The work descriptions and tables are being provided in a format similar to that developed in cooperation with Department staff for other regional planning commissions. The work descriptions and work tables are also being submitted electronically to the Department's Surface Water Integrated Monitoring System (SWIMS) database, as is the agreed-upon procedure. All requests for payments, work status reports, and sewer service area amendments will also be submitted to the SWIMS database. The work plan has been revised to incorporate the suggestions you provided in your July 6, 2017 email.

Based on information provided by Department staff, we have developed a work program supporting a funding request of \$45,000 for July – December 2017. We appreciate the Department's efforts to provide this level of funding.

Please contact me at 608-266- 9283 or [miker@capitalarearpc.org](mailto:miker@capitalarearpc.org) if you need any additional information or have any questions.

Sincerely,

Mike Rupiper, PE, ENV SP  
Director of Environmental Resources Planning

cc: Mr. Tim Asplund, Water Quality Monitoring Section Chief, WDNR, *(via email)*  
Mr. Ryan Raab, Budget Coordinator, WDNR, *(via email)*

WORK PLAN ELEMENT AND NAME	P02 REGIONAL WATER QUALITY PLAN
OBJECTIVE	To update the point source, nonpoint source, groundwater, and surface water related elements of the regional water quality management plan. The plan updating process is intended to be a continuing process. As such, this work element will focus on major amendments to the plan which involve updates to the technical reports (appendices) which serve as elements of the <i>Dane County Water Quality Management Plan</i> .
PREVIOUS YEARS WORK / STATUS	<p>This is an ongoing project. Since the creation of the agency in 2007, the Commission has completed the following updates to the technical appendices of the Water Quality Plan, as part of our ongoing water quality management planning assistance to the Wisconsin Department of Natural Resources (WDNR):</p> <ul style="list-style-type: none"> <li>• Appendix D: Urban Nonpoint Source Analysis (2011)</li> <li>• Appendix B: Surface Water Quality Conditions (2012)</li> <li>• Appendix I: Private On-Site Wastewater Treatment Systems (2013)</li> <li>• Appendix G: Groundwater Protection Planning Framework (2017)</li> <li>• Appendix C: Point Source Inventory and Analysis (2017)</li> </ul> <p>An update to the 2004 Summary Plan of the Water Quality Plan was begun in early 2017. Completion of this update is expected near the end of August 2017.</p>
WORK DESCRIPTION / END PRODUCTS	<p>This work includes the research, meetings, writing, editing, and outreach associated with major updates to the technical reports (appendices) which serve as elements of the regional water quality management plan.</p> <p>For July to December 2017, no new updates to the elements of the regional water quality management plan are proposed. It is expected that some carryover work effort will be needed on the Summary Plan update including incorporating review comments, conducting outreach, and holding the public hearing prior to adoption.</p>
SUBSEQUENT YEARS WORK	<p>No new updates to the elements of the regional water quality management plan are planned to be proposed for 2018. However, this work effort is anticipated to continue in future years with possible updates to:</p> <ul style="list-style-type: none"> <li>• Appendix E: Agricultural Nonpoint Source Analysis (1988)</li> <li>• Environmental Corridors Report (1996)</li> </ul>

WORK PLAN ELEMENT AND NAME	P03 / E01 REGIONAL WATER QUALITY PLAN INTEGRATION
OBJECTIVE	To communicate and coordinate various policies and recommendations contained within the adopted <i>Dane County Water Quality Management Plan</i> with local and state organizations and agencies.
PREVIOUS YEARS WORK / STATUS	<p>Since the creation of the agency in 2007, Commission staff has worked with a large number and variety of designated management (plan implementation) agencies in a number of different ways to implement the regional water quality management plan.</p> <p>Commission staff continue to serve on, and provide technical support to, several organizations that pursue implementation of the recommendations of the regional water quality management plan update for Dane County. In 2016 the Commission staff served on:</p> <ul style="list-style-type: none"> <li>• Clean Lakes Alliance Community Board</li> <li>• Clean Lakes Alliance Strategic Implementation Committee</li> <li>• CARPC – Dane County Lakes &amp; Watershed Commission Stormwater Technical Advisory Committee</li> <li>• Madison Area Municipal Stormwater Partnership</li> </ul> <p>From July to December 2017, it is expected that about 13 meetings will be attended and 12 informational newsletter articles will be created related to implementing the point source and nonpoint source pollution abatement measures recommended in the adopted regional water quality management plan.</p>
WORK DESCRIPTION / END PRODUCTS	It is anticipated that the end products under this work project will be many and varied. Anticipated work products may be expected to consist of meeting attendance and materials review; 12 public informational and educational newsletter articles; attendance at about 13 meetings; coordination meetings with the WDNR; and other miscellaneous plan implementation activities.
SUBSEQUENT YEARS WORK	The work effort is anticipated to continue in 2018.

WORK PLAN ELEMENT AND NAME	A01/A03 WATER QUALITY PLAN AMENDMENTS
OBJECTIVE	To extend sanitary sewer service areas and delineate environmental corridors (environmentally sensitive area) from those currently delineated in the <i>Dane County Water Quality Management Plan</i> , in response to requests submitted by local units of government.
PREVIOUS YEARS WORK / STATUS	This is an ongoing project. During 2016, Commission staff prepared analysis reports and conducted public hearings for 7 Sewer Service Area amendments to the <i>Dane County Water Quality Management Plan</i> , all as required under in Wis. Stat. § 283.83(1m).
WORK DESCRIPTION / END PRODUCTS	<p>This work includes meetings and correspondence with local governments concerning their proposals for expanding the sewer service areas boundaries in relationship to the adopted regional water quality management plan. Review includes conformance with the adopted policies and criteria for environmental corridors (environmentally sensitive areas), establishing conditions of approval regarding stormwater management, and other concerns related to the adopted regional water quality management plan. Public hearings are held for each proposed amendment. The resulting water quality management plan amendments, staff reports, and Commission recommendations are forwarded to the Wisconsin Department of Natural Resources for administrative decision.</p> <p>From July to December 2017, it is expected that about 3 proposals for sewer service area amendments or major changes to the environmental corridors will be reviewed, staff analysis reports prepared, and public hearings held.</p>
SUBSEQUENT YEARS WORK	The work effort is anticipated to continue in 2018.

WORK PLAN ELEMENT AND NAME	C01 WATER QUALITY PLAN CONSISTENCY
OBJECTIVE	To review, comment on, and provide assistance related to proposals to construct public and private sanitary sewer extensions. Comments and assistance are provided in response to requests submitted by local units of government, consulting engineers, architects, plumbers, and others. Reviews are for consistency with the adopted <i>Dane County Water Quality Management Plan</i> . The reviews result in water quality management plan consistency letters (aka 208 letters).
PREVIOUS YEARS WORK / STATUS	This is an ongoing project. During the year 2016, Commission staff provided review comments on 79 proposed public sewer extensions and 20 proposed private main sewers and building sewer extensions, all as required under Sections NR 110.08(4) and SPS 382.20(4) of the <i>Wisconsin Administrative Code</i> .
WORK DESCRIPTION / END PRODUCTS	<p>This work includes meetings and correspondence concerning the relationship of land development proposals to the adopted regional water quality management plan. Review includes conformance with the adopted policies and criteria for environmental corridors (environmentally sensitive areas), the conditions of approval regarding stormwater management, and the approved sanitary sewer service areas in the adopted regional water quality management plan. The resulting water quality management plan letters are forwarded to the Wisconsin Department of Natural Resources or Wisconsin Department of Safety and Professional Services, as applicable.</p> <p>From July to December 2017, it is expected that about 40 proposals for public sanitary sewer extensions and about 10 proposals for private and building sewers will be reviewed.</p>
SUBSEQUENT YEARS WORK	The work effort is anticipated to continue with reviews being conducted in 2018.

WORK PLAN ELEMENT AND NAME	S01/S02/S03 WATER QUALITY PLANNING SERVICES
OBJECTIVE	To provide direct assistance to local and state organizations and agencies in the preparation and implementation of a variety of water quality planning efforts.
PREVIOUS YEARS WORK / STATUS	<p>This is an ongoing project. The Commission has provided a variety of water quality management planning services to designated management agencies. Recent examples include:</p> <ul style="list-style-type: none"> <li>• A Collections System Evaluation for the Madison Metropolitan Sewerage District.</li> <li>• A Waubesa Wetlands Study Plan Technical Advisory Committee in conjunction with the Wisconsin Department of Natural Resources.</li> <li>• A Stormwater Technical Advisory Committee in conjunction with the Dane County Lakes and Watersheds Commission.</li> <li>• A study of potential stormwater retrofit projects in the Town of Pleasant Springs.</li> <li>• Environmental Conditions reports for Future Urban Development Area planning.</li> </ul> <p>Completion of the Collection System Evaluation for the Madison Metropolitan Sewerage District is expected at the end of 2017.</p>
WORK DESCRIPTION / END PRODUCTS	<p>This project generally includes working with the Wisconsin Department of Natural Resources, the Dane County Land &amp; Water Resources Department, and other designated management agencies, in the preparation and implementation of land and water resource management and stormwater management planning; working with watershed groups, lake protection and rehabilitation districts and lake associations in preparing grant applications and in preparing and implementing detailed lake management and watershed plans; working with wastewater treatment plant operators in implementing the plan recommendations for wastewater treatment plants and associated collection systems.</p> <p>The work products will vary based on the requests and need for assistance by the implementing designated management agencies.</p>
SUBSEQUENT YEARS WORK	The work effort is anticipated to continue in 2018.

WORK PLAN ELEMENT AND NAME	D02/D03 DATA STUDIES AND SERVICES
OBJECTIVE	Assistance and data provision to WDNR and other designated management agencies for watershed and water quality-related activities.
PREVIOUS YEARS WORK / STATUS	<p>This is an ongoing project. The Commission has completed a variety of water quality related data studies and services to designated management agencies. Recent examples include:</p> <ul style="list-style-type: none"> <li>• An annual Environmental Resources Regional Trends report.</li> <li>• Submittal of materials, reports and correspondence to the Surface Water integrated Monitoring System (SWIMS) in lieu of paper transmittal for compliance with contract requirements.</li> <li>• Notifications and reminders to Department staff to support adherence to timelines specified in state statute.</li> </ul>
WORK DESCRIPTION / END PRODUCTS	<p>The annual Environmental Resources Regional Trends report presents data on six key environmental indicators covering stormwater runoff, drinking water supply and quality, and protection of sensitive natural areas. This report is typically produced each year in late summer or early fall.</p> <p>Data updates and data entry products for the Department including:</p> <ul style="list-style-type: none"> <li>• Upload narrative information from the most recently updated Dane County Water Quality Management Plan appendices to the appropriate locations in the WATERS system.</li> <li>• Work with DNR to receive training and guidance and to track work entered as a team project with Water Quality staff.</li> </ul> <p>Other work products will vary based on the requests and need for assistance by the implementing designated management agencies.</p>
SUBSEQUENT YEARS WORK	The work effort is anticipated to continue in 2018.

**Table 1**

**SCHEDULE OF MAJOR WORK PRODUCTS FOR THE CONTINUING  
WATER QUALITY MANAGEMENT PLANNING PROGRAM FOR DANE COUNTY: JULY thru DECEMBER 2017 <sup>1</sup>**

Work #	Work Element	Anticipated Project Output	Estimated Staff Effort (hours)	Approximate Cost	Scheduled Completion Date in 2017 (number of products)	
					September 30	December 31
P02	Regional Water Quality Plan	No updates to the technical reports (appendices) which serve as elements of the regional water quality management plan are planned.	0	\$0	0	0
P03	Regional Water Quality Plan Integration	13 meetings: preparation, attendance, and follow-up	52	\$3,900	(7)	(6)
E01		12 public education/ information newsletter articles	12	\$900	(6)	(6)
A01 A03	Water Quality Plan Amendments <sup>2</sup>	3 sewer service area amendments or "major change" environmental corridor amendments.	300	\$21,800	(2)	(1)
C01	Water Quality Plan Consistency <sup>3</sup>	50 water quality management letters on project reviews	360	\$22,200	(25)	(25)
S01 S02 S03	Water Quality Planning Services <sup>4</sup>	1 Environmental Conditions report	280	\$19,600		(1)
		MMSD Collection System Evaluation study	1,136	\$75,000		(1)
		Grant and planning assistance to watershed groups and designated management units.	406	\$29,300		
D02 D03	Data Studies and Services	1 Environmental Trends report	180	\$13,800		(1)
		Assistance and data provision to WDNR and other designated management agencies for watershed and water quality-related activities	180	\$13,800		
Program Total			2,906	\$200,300		

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- 1 Work effort and costs, as well as the number of outputs, are dependent upon local designated management agencies needs and upon community and agency review, revision, and participation, including intergovernmental and public meetings and involvement. Thus, work efforts involved and number of project outputs are estimates which will vary depending upon complexity of each project.
  - 2 This work element is intended to respond to designated management agency requests for assistance in defining sewer service areas and environmentally sensitive areas. Thus, the number of work products is variable, since the need for assistance is largely initiated by the implementing designated management agency, depending on agency requests.
  - 3 This work element is required to assist local communities in relating land development activities to the regional water quality management plan as required by Sections NR 110.8(4) and SPS 382.20(4) of the Wisconsin Administrative Code.
  - 4 This work effort is necessary to respond to and assist the various water quality designated management agencies in implementing the recommended regional water management plan elements. The work products are approximate, since the requests and need for assistance is largely initiated by the implementing designated management agencies.



Table 2

**MAJOR WORK ELEMENTS AND COSTS FOR CONTINUING WATER QUALITY  
MANAGEMENT PLANNING PROGRAM IN DANE COUNTY — JULY thru DECEMBER 2017**

Proposed Work Projects		CARPC	EPA (604b)	Service Agreements	Total
P02	Regional Water Quality Plan	\$0	\$0	\$0	\$0
P03/E01	Regional Water Quality Plan Integration	\$4,800	\$0	\$0	\$4,800
A01/A03	Water Quality Plan Amendments	\$21,800	\$0	\$0	\$21,800
C01	Water Quality Plan Consistency	\$22,200	\$0	\$0	\$22,200
S01/S02/S03	Water Quality Planning Services	\$19,900	\$29,000	\$75,000	\$123,900
D02/D03	Data Studies and Services	\$11,600	\$16,000	\$0	\$27,600
	Totals	\$80,300	\$45,000	\$75,000	\$200,300