

AMENDMENT TO THE

**REGIONAL WATER QUALITY
MANAGEMENT PLAN**

WATERFORD/ROCHESTER AREA

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

JUNE 2005

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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SUBJECT: Certification of Amendment to the Adopted Regional Water Quality Management Plan (Waterford-Rochester Sewer Service Area)

TO: The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Racine, the Towns of Rochester and Waterford, the Villages of Rochester and Waterford, and the Western Racine County Sewerage District

This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Washington County Fair Park Pavilion, Jackson, Wisconsin, on the 15th day of June 2005, the Commission did by unanimous vote of all Commissioners present, being 16 ayes and 0 nays, and by appropriate Resolution, a copy of which is made a part hereof and incorporated by reference to the same force and effect as if it had been specifically set forth herein in detail, adopt an amendment to the regional water quality management plan, which plan was originally adopted by the Commission on the 12th day of July 1979, as part of the master plan for the physical development of the Region. Said amendment to the regional water quality management plan pertains to the revised Waterford-Rochester sanitary sewer service area and consists of the documents attached hereto and made a part hereof. Such action taken by the Commission is recorded on, and is a part of, said plan, and the plan as amended is hereby transmitted to the constituent local units of government for consideration, adoption, and implementation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal and cause the Seal of the Southeastern Wisconsin Regional Planning Commission to be hereto affixed. Dated at the City of Pewaukee, Wisconsin, this 16th day of June 2005.

Thomas H. Buestrin, Chairman
Southeastern Wisconsin
Regional Planning Commission

ATTEST:

Philip C. Evenson, Deputy Secretary

RESOLUTION NO. 2005-11

RESOLUTION OF THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION AMENDING THE ADOPTED REGIONAL WATER QUALITY MANAGEMENT PLAN, THAT PLAN BEING A PART OF THE MASTER PLAN FOR THE PHYSICAL DEVELOPMENT OF THE REGION CONSISTING OF THE COUNTIES OF KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH, WASHINGTON, AND WAUKESHA IN THE STATE OF WISCONSIN (WATERFORD/ROCHESTER SANITARY SEWER SERVICE AREA)

WHEREAS, pursuant to Section 66.0309(10) of the *Wisconsin Statutes*, the Southeastern Wisconsin Regional Planning Commission, at a meeting held on the 12th day of July 1979, duly adopted a regional water quality management plan as documented in the three-volume SEWRPC Planning Report No. 30, *A Regional Water Quality Management Plan for Southeastern Wisconsin: 2000*; and

WHEREAS, at a meeting held on the 24th day of April 1996, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Waterford/Rochester sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 141 (2nd Edition), *Sanitary Sewer Service Area for the Waterford/Rochester Area, Racine County, Wisconsin*, April 1996, as amended; and

WHEREAS, by letter dated May 2, 2005, the Western Racine County Sewerage District requested that the Commission amend the Waterford/Rochester sanitary sewer service area to include certain lands located outside of the currently adopted sewer service area; and

WHEREAS, the proposed amendment to the regional water quality management plan is documented in a Commission staff memorandum entitled, "Response to Request by the Western Racine County Sewerage District to Amend the Waterford/Rochester Sanitary Sewer Service Area," attached hereto and made a part hereof; and

WHEREAS, the requested change to the regional water quality management plan, as documented in the aforementioned staff memorandum, was the subject of a public hearing held jointly by the Western Racine County Sewerage District and the Regional Planning Commission on May 25, 2005; and

WHEREAS, Section 66.0309(9) of the *Wisconsin Statutes* authorizes and empowers the Regional Planning Commission, as the work of making the whole master plan progresses, to amend, extend, or add to the master plan or carry any part or subject thereof into greater detail;

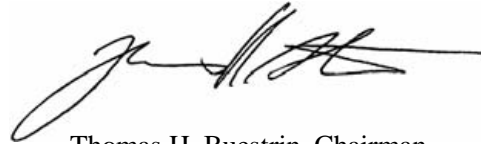
NOW, THEREFORE, BE IT HEREBY RESOLVED:

FIRST: That the regional water quality management plan for the Southeastern Wisconsin Region, being a part of the master plan for the physical development of the Region and comprised of SEWRPC Planning Report No. 30, Volumes One, Two, and Three, which was adopted by the Commission as a part of the master plan on the 12th day of July 1979, and which was amended on the 24th day of April 1996 to include the refined Waterford/Rochester sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 141 (2nd Edition), be and the same hereby is amended in the manner identified on Map 1 of the aforementioned SEWRPC staff memorandum.

SECOND: That the Executive Director is authorized to submit findings to the Wisconsin Department of Natural Resources and the Wisconsin Department of Commerce that public and private sanitary sewer extensions necessary to serve the anticipated development on the lands concerned are in conformance with, and would serve to implement, the adopted regional water quality management plan as herein amended.

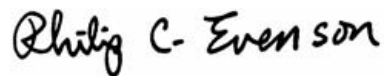
THIRD: That a true, correct, and exact copy of this resolution, together with the aforementioned SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals as the law may require or as the Commission, its Executive Committee, or its Executive Director, at their discretion, shall determine and direct.

The foregoing resolution, upon motion duly made and seconded, was regularly adopted at the meeting of the Southeastern Wisconsin Regional Planning Commission held on the 15th day of June 2005, the vote being: Ayes 16 ; Nays 0.

A handwritten signature in black ink, appearing to read 'Thomas H. Buestrin', with a long horizontal flourish extending to the right.

Thomas H. Buestrin, Chairman

ATTEST:

A handwritten signature in black ink, appearing to read 'Philip C. Evenson', written in a cursive style.

Philip C. Evenson, Deputy Secretary

SEWRPC STAFF MEMORANDUM

RESPONSE TO REQUEST BY THE WESTERN RACINE COUNTY SEWERAGE DISTRICT TO AMEND THE WATERFORD/ROCHESTER SANITARY SEWER SERVICE AREA

INTRODUCTION AND BACKGROUND

By letter dated May 2, 2005, the Western Racine County Sewerage District (WRCS D) requested that the Southeastern Wisconsin Regional Planning Commission amend the Waterford/Rochester sanitary sewer service area tributary to the WRCS D sewage treatment facility. That area is currently documented in SEWRPC Community Assistance Planning Report No. 141 (2nd Edition), *Sanitary Sewer Service Area for the Waterford/Rochester Area, Racine County, Wisconsin*, dated April 1996, as amended. The basic purpose of this amendment would be to include within the planned Waterford/Rochester sewer service area certain lands located immediately adjacent to, but outside of, the currently adopted sewer service area.

AREA DESCRIPTION

Two areas are proposed to be added to the Waterford/Rochester sanitary sewer service area, as shown on Map 1. The first area encompasses 92 acres of land located in the southwest quarter of U.S. Public Land Survey Section 14, Township 4 North, Range 19 East, in the Town of Waterford. The area contains 35 acres of primary environmental corridor and 57 acres in agricultural use. The 57-acre developable portion is envisioned to be developed for residential use to accommodate about 30 housing units.

The second area encompasses 10 acres of land located in the northwest quarter of U.S. Public Land Survey Section 23, Township 4 North, Range 19 East, in the Town of Waterford, roughly one-half mile south of the first area. That area contains 5 acres of isolated natural resource area, consisting of upland woods, and 5 acres of other open land. It is envisioned that this area, together with the adjoining 13-acre area to the south, would accommodate 6 housing units. **Within the isolated natural resource area, building envelopes for any housing units to be served by sanitary sewers should not be located on steep slopes.**

Development envisioned on the two areas proposed to be added to the sewer service area would add a population of about 90 persons to the Waterford/Rochester sewer service area. A more detailed delineation of the revised sewer service area and of the environmentally significant lands within is shown on the aerial photograph reproduced as Map 2.

It should be noted that the land located east of Buena Park Road, between the two proposed additions, is not proposed to be added to the sewer service area. It is envisioned that this area would accommodate two 35-acre parcels—with at most one housing unit each—along with the existing farmstead, all to be served by onsite sewage disposal systems.

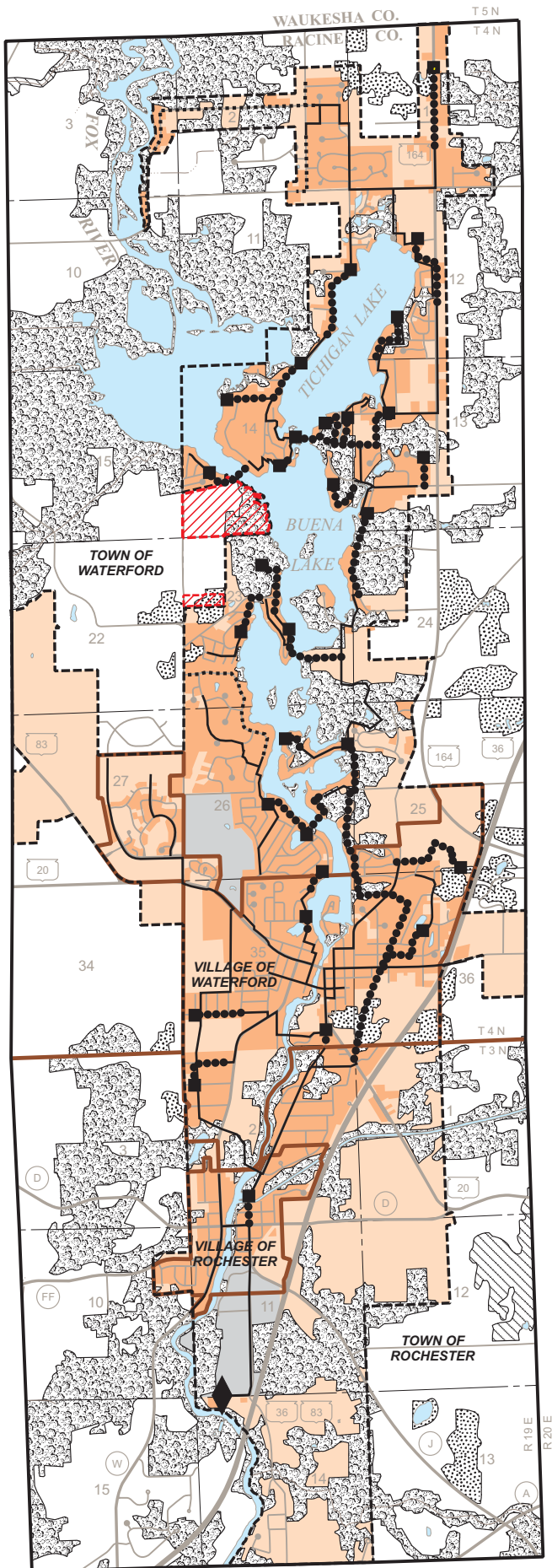
RELATIONSHIP OF THE PROPOSED CHANGE TO THE EXISTING SANITARY SEWER SERVICE AREA

The proposed addition of 102 acres to the Waterford/Rochester sanitary sewer service area represents an increase in the planned sewer service area of about 1 percent. Including the proposed additions, the buildout population of the Waterford/Rochester sewer service area would increase to about 16,900 persons. This lies within the year 2020 population projection range of 10,100 to 17,200 persons for the Waterford/Rochester area embodied in the regional land use plan.

The estimated population under buildout conditions and the year 2020 population projections cited above do not include the seasonal population. There were about 170 seasonal housing units in the Waterford/Rochester sewer service area in 2000.










WATER QUALITY IMPACTS

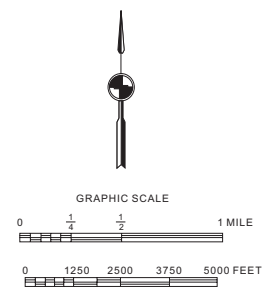
Under the adopted regional water quality management plan and the amended Waterford/Rochester sanitary sewer service area plan presented herein, it is envisioned that all urban lands within the planned urban service area would receive sanitary sewer service. Assuming that all applicable Federal, State, and local permits are obtained and that proper site development and



Map 1

PROPOSED AMENDMENT TO THE WATERFORD-ROCHESTER SANITARY SEWER SERVICE AREA

-  PRIMARY ENVIRONMENTAL CORRIDOR
-  SECONDARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREA
-  AREA SERVED BY PUBLIC SANITARY SEWERAGE SYSTEM: 2000
-  PLANNED SANITARY SEWER SERVICE AREA
-  AIRPORTS, LARGE PARK AND RECREATION SITES, AND SIMILAR USES WITHIN THE SEWER SERVICE AREA
-  AREAS PROPOSED TO BE ADDED TO THE WATERFORD-ROCHESTER SANITARY SEWER SERVICE AREA
-  PLANNED SANITARY SEWER SERVICE AREA BOUNDARY
-  EXISTING PUBLIC SEWAGE TREATMENT FACILITY
-  EXISTING FORCE MAIN
-  EXISTING PUMPING STATION
-  EXISTING TRUNK SEWER
-  EXISTING SEWER PRESSURE SYSTEM



Source: SEWRPC.

construction practices are employed, there should be no significant adverse water quality impacts attributable to the development of the planned sanitary sewer service area.

COST-EFFECTIVENESS ANALYSIS

The proposed additions to the Waterford/Rochester sanitary sewer service area are contiguous with the currently approved sewer service area tributary to the WRCSD sewage treatment plant. The nearest other public sanitary sewer service area, that of the Town of Norway Sanitary District No.1, is located approximately 3 miles from the subject areas. Consequently, no further analysis is deemed necessary to conclude that the subject areas would be served most cost-effectively through connection to the WRCSD sewage treatment plant.

SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS

Sewage from the Village of Rochester, the Village of Waterford, the Town of Rochester Utility District No. 1, and the Town of Waterford Sanitary District No. 1 is treated at the Western Racine County Sewerage District (WRCSD) sewage treatment facility. The WRCSD recently completed sewerage system facility planning¹ to evaluate the future sewage conveyance and treatment needs of the District's service area. Construction is underway for expansion of the WRCSD treatment plant to implement the facilities plan and bring the hydraulic design capacity to 2.5 million gallons per day (mgd) on an average annual flow basis. The average annual flow rate in 2004 was about 1.2 mgd. The anticipated sewage flow to be generated by the areas proposed to be added to the Waterford/Rochester sewer service area may be expected to be about 0.01 mgd on an average annual basis. Thus, the treatment plant has capacity to serve the proposed addition to the sewer service area.

If the vacant developable lands within the Waterford/Rochester sewer service area were fully developed in accordance with local plans, flows to the WRCSD sewage treatment facility would approximate 1.8 to 2.2 mgd on an average annual basis, with the total flows somewhat dependent upon the sewage flows generated by new commercial and industrial development. The sewage treatment plant capacity currently under construction should be adequate for full development of the sewer service area, including the areas proposed to be added under the sewer service area plan amendment.

PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on May 25, 2005 at the Waterford Village Hall to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the Western Racine County Sewerage District and the Regional Planning Commission. A summary of the plan amendment was presented prior to receiving public comment, including a description of the lands proposed to be added to the sewer service area and any environmentally significant land located within.

A review of the hearing record indicates that no substantive concerns were raised at the hearing. Accordingly, no changes were made to the proposed plan amendment as presented at the public hearing.

LOCAL GOVERNMENT SUPPORT FOR THE PLAN AMENDMENT

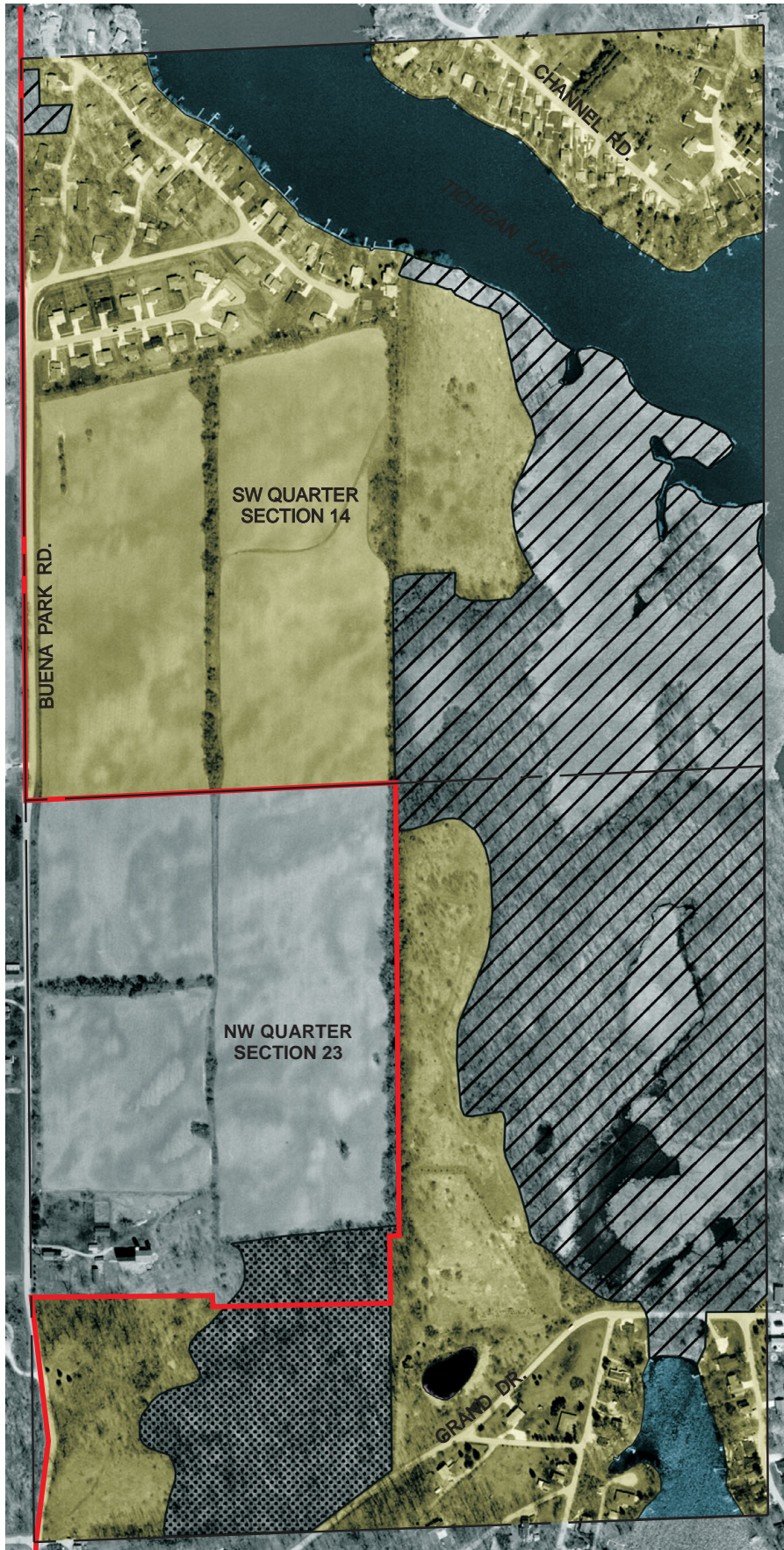
The Commissioners of the Western Racine County Sewerage District adopted the plan amendment on May 25, 2005.







CONCLUDING RECOMMENDATION

Based on the foregoing, it is recommended that the Southeastern Wisconsin Regional Planning Commission formally amend the sanitary sewer service area for the Waterford/Rochester area as documented in SEWRPC Community Assistance Planning Report No. 141 (2nd Edition), as amended.

¹*Strand Associates, Inc.*, Wastewater Interceptor and Treatment Plant Facilities Plan, Western Racine County Sewerage District, October 2002.

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE WATERFORD/ROCHESTER AREA
Southwest Quarter of U.S. Public Land Survey Section 14 and Northwest Quarter of U.S. Public Land Survey Section 23, T4N R19E



-  PRIMARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREA
-  WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE
-  SURFACE WATER WITHIN PRIMARY ENVIRONMENTAL CORRIDOR
-  PLANNED SANITARY SEWER SERVICE AREA
-  GROSS SANITARY SEWER SERVICE AREA BOUNDARY

NOTE: This map replaces the corresponding portion of Map 8-4, page 26, of SEWRPC Community Assistance Planning Report No. 141 (2nd Edition), *Sanitary Sewer Service Area for the Waterford/Rochester Area, Racine County, Wisconsin*, April 1996.

Photography Date: March 2000

