

AMENDMENT TO THE

**REGIONAL WATER QUALITY
MANAGEMENT PLAN**

VILLAGE OF TWIN LAKES

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

SEPTEMBER 2004

**SOUTHEASTERN WISCONSIN
REGIONAL PLANNING COMMISSION**

KENOSHA COUNTY

Leon T. Dreger
Thomas J. Gorlinski
Sheila M. Siegler

MILWAUKEE COUNTY

Daniel J. Diliberti
William R. Drew,
Vice Chairman
Linda J. Seemeyer

OZAUKEE COUNTY

Robert A. Brooks
Thomas H. Buestrin,
Chairman
Gus W. Wirth, Jr.

RACINE COUNTY

Richard A. Hansen,
Secretary
Michael J. Miklasevich
James E. Moyer

WALWORTH COUNTY

Anthony F. Balestrieri
Gregory L. Holden
Allen L. Morrison

WASHINGTON COUNTY

Kenneth F. Miller
Daniel S. Schmidt
David L. Stroik

WAUKESHA COUNTY

Duane H. Bluemke,
Treasurer
Kenneth C. Herro
Paul G. Vrakas

**SOUTHEASTERN WISCONSIN REGIONAL
PLANNING COMMISSION STAFF**

Philip C. Evenson, AICP Executive Director
Kenneth R. Yunker, PE Deputy Director
Nancy M. Anderson, AICP Chief Community Assistance Planner
Robert E. Beglinger Chief Transportation Engineer
Robert P. Biebel, PE, PH. Chief Environmental Engineer
Leland H. Kreblin, RLS. Chief Planning Illustrator
Elizabeth A. Larsen Business Manager
John G. McDougall Geographic Information Systems Manager
John R. Meland Chief Economic Development Planner
Donald M. Reed Chief Biologist
William J. Stauber, AICP Chief Land Use Planner

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

W239 N1812 ROCKWOOD DRIVE • PO BOX 1607 • WAUKESHA, WI 53187-1607 •

TELEPHONE (262) 547-6721
FAX (262) 547-1103

Serving the Counties of:

KENOSHA
MILWAUKEE
OZAUKEE
RACINE
WALWORTH
WASHINGTON
WAUKESHA



SUBJECT: Certification of Amendment to the Adopted Regional Water Quality Management Plan (Twin Lakes Sanitary Sewer Service Area)

TO: The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Kenosha, the Village of Twin Lakes, and the Town of Randall.

This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Waukesha County Administration Building, Waukesha, Wisconsin, on the 15th day of September 2004, the Commission did by unanimous vote of all Commissioners present, being 14 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 Twin Lakes 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 15th day of September 2004.

Thomas H. Bustrin, Chairman
Southeastern Wisconsin
Regional Planning Commission

ATTEST:

Philip C. Evenson, Deputy Secretary

RESOLUTION NO. 2004-14

**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
(TWIN LAKES 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 15th day of June 1987, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the sanitary sewer service area attendant to the Village of Twin Lakes sewage treatment plant as documented in SEWRPC Community Assistance Planning Report No. 149, *Sanitary Sewer Service Area for the Village of Twin Lakes, Kenosha County, Wisconsin*, dated May 1987 as amended; and

WHEREAS, by letter dated June 9, 2004, the Village of Twin Lakes requested that the Regional Planning Commission amend the Twin Lakes sanitary sewer service area to include certain lands located outside of, but immediately adjacent to 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 Village of Twin Lakes to Amend the Twin Lakes 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 Village of Twin Lakes and the Regional Planning Commission on August 2, 2004; 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;

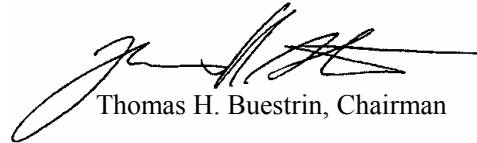
NOW, THEREFORE, BE IT HEREBY RESOLVED:

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 15th day of June 1987 to include the refined Twin Lakes sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 149, 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.

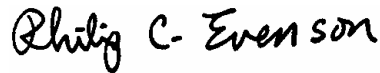
THIRD: That a true, correct, and exact copy of this resolution, together with the aforementioned SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals 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 September 2004, the vote being: Ayes 14, Nays 0.



Thomas H. Buestrin, Chairman

ATTEST:



Philip C. Evenson, Deputy Secretary

SEWRPC STAFF MEMORANDUM

RESPONSE TO REQUEST BY THE VILLAGE OF TWIN LAKES TO AMEND THE TWIN LAKES SANITARY SEWER SERVICE AREA

INTRODUCTION AND BACKGROUND

By letter dated June 9, 2004, the Village of Twin Lakes requested that the Southeastern Wisconsin Regional Planning Commission amend the sanitary sewer service area tributary to the Village of Twin Lakes sewage treatment facility. That area is currently documented in SEWRPC Community Assistance Planning Report No. 149, *Sanitary Sewer Service Area for the Village of Twin Lakes, Kenosha County, Wisconsin*, dated May 1987, as amended. The basic purpose of this amendment would be to include within the planned Village of Twin Lakes sanitary sewer service area certain lands located immediately adjacent to, but outside, the currently adopted sewer service area.

AREA DESCRIPTION

The area proposed to be added to the Twin Lakes sanitary sewer service area is shown with a red hatch pattern on Map 1. This area encompasses a total of 91 acres located south of the intersection of CTH F and CTH KD in U.S. Public Land Survey Section 15, Township 1 North, Range 19 East, in the Village of Twin Lakes. The area is comprised of 23 acres of secondary environmental corridor, 3 acres of small wetlands, and 65 acres of agricultural land. The agricultural portion of the subject area is anticipated to be developed for residential use with about 170 housing units. This would add a population of about 420 persons to the planned sanitary sewer service area.

The proposed addition to the sewer service area and the environmentally significant lands within are shown in detail on Map 2. The boundaries of the environmentally significant lands shown on Map 2 have been updated to reflect existing (2000) conditions.

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

With the proposed addition, the total area of the Twin Lakes sewer service area would increase by about 2 percent. The buildout population of the expanded sewer service area—that is, the estimated population which could be accommodated upon full development of the sewer service area—would remain within the year 2020 population projection range for this area embodied in the regional land use plan.

WATER QUALITY IMPACTS

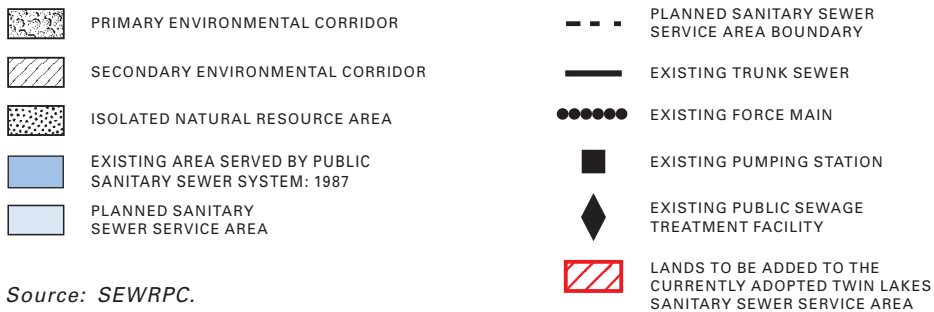
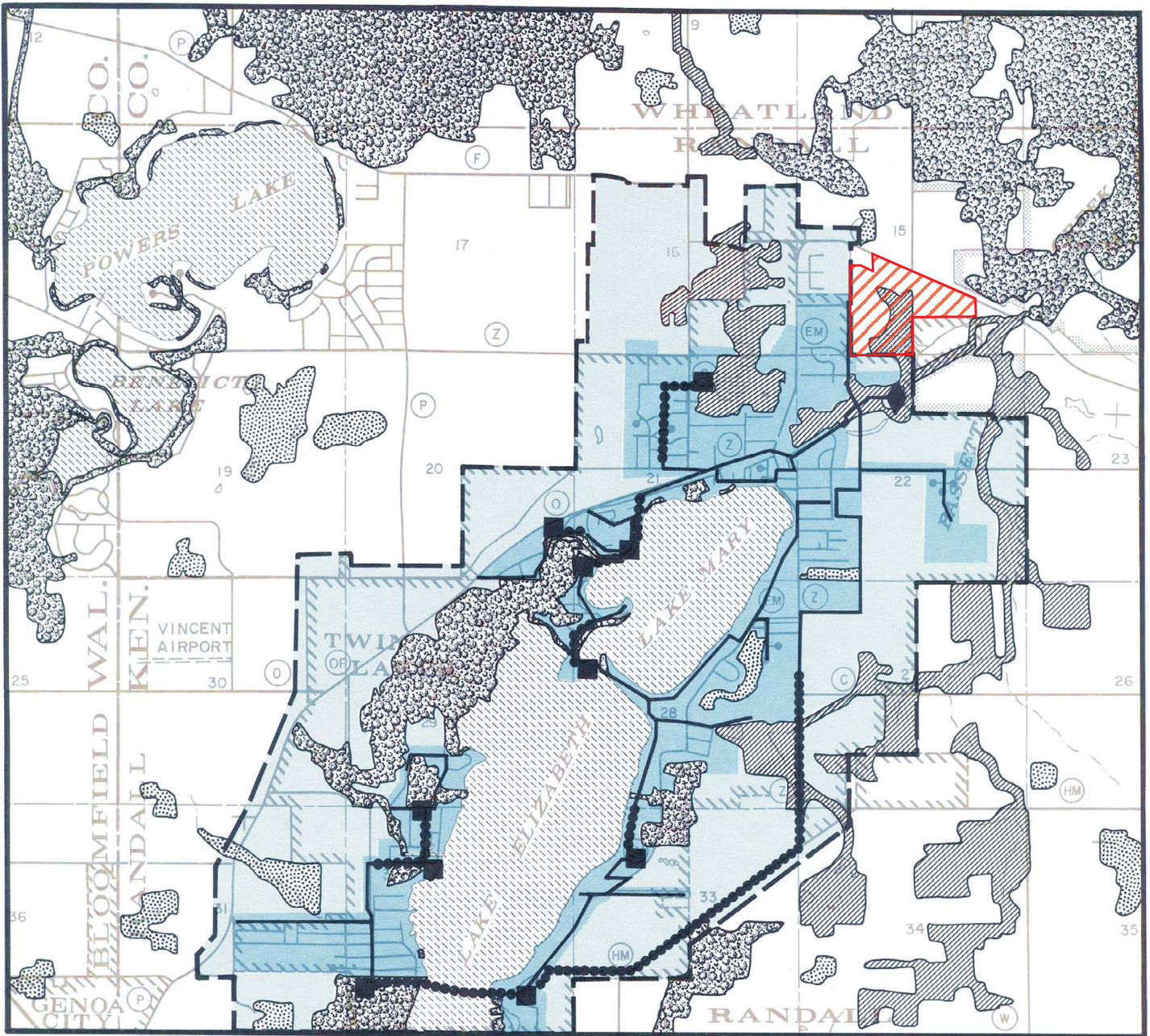
Under the adopted regional water quality management plan and the amended Twin Lakes sanitary sewer service area plan presented herein, it is envisioned that all new urban development within the planned urban service area would receive sanitary sewer service. Assuming that any applicable Federal, State,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

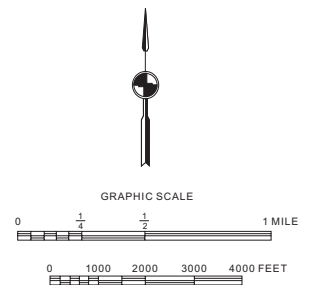
The proposed addition to the Twin Lakes sanitary sewer service area is situated immediately adjacent to the currently approved sewer service area tributary to the Village of Twin Lakes sewage treatment plant. The nearest other public sanitary sewer systems, those operated by the Villages of Genoa City and Silver Lake, and the Town of Salem, are all located approximately 3 to 5 miles from the subject area. No further analysis is deemed necessary to conclude that the subject area would be most cost effectively served through connection to the Village of Twin Lakes sewerage system.

Map 1

RECOMMENDED AMENDMENT TO THE TWIN LAKES SANITARY SEWER SERVICE AREA



Source: SEWRPC.



SEWAGE TREATMENT PLANT CAPACITY ANALYSIS

The existing Village of Twin Lakes sewage treatment facility has a hydraulic design capacity of 1.30 million gallons per day (mgd) on an average annual flow basis. The current flow rate is 0.70 mgd on an average annual basis. The anticipated sewage flow to be generated in the area proposed to be added to the Twin Lakes sewer service area is expected to be less than 0.05 mgd on an average annual basis. Thus, the treatment plant has adequate capacity to treat sewage flows from the subject area.

PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on August 2, 2004 at the Twin Lakes Village Hall to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the Village of Twin Lakes 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 Twin Lakes Village Board of Trustees adopted the plan amendment on August 16, 2004.

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 Village of Twin Lakes as documented in SEWRPC Community Assistance Planning Report No. 149, as amended. A detailed delineation of the amended sewer service area and of the environmentally significant lands within is shown on the aerial photograph reproduced as Map 2 on the following page of this report.





Map 2

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE VILLAGE OF TWIN LAKES

South Half of U. S. Public Land Survey Section 15
Township 1 North, Range 19 East



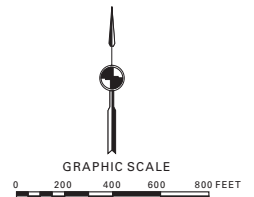
Photography Date: March 2000

-  PRIMARY ENVIRONMENTAL CORRIDOR
-  SECONDARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREA
-  WETLANDS AND SURFACE WATER
AREAS LESS THAN FIVE ACRES IN SIZE

 GROSS SANITARY SEWER SERVICE AREA BOUNDARY

 PLANNED SANITARY SEWER SERVICE AREA

NOTE: This map replaces the corresponding portion of Map 2, page 5,
of SEWRPC Amendment to the Regional Water Quality Management
Plan-2000, Village of Twin Lakes, January 1993.



Source: SEWRPC.