

AMENDMENT TO THE

**REGIONAL WATER QUALITY
MANAGEMENT PLAN**

VILLAGE OF PADDOCK LAKE

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

JUNE 2005

**SOUTHEASTERN WISCONSIN
REGIONAL PLANNING COMMISSION**

KENOSHA COUNTY

Leon T. Dreger
Leonard R. Johnson
Adelene Robinson

MILWAUKEE COUNTY

William R. Drew,
Vice Chairman
Lee Holloway
Linda J. Seemeyer

OZAUKEE COUNTY

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

WAUKESHA COUNTY

Kenneth C. Herro
Anselmo Villarreal
Paul G. Vrakas

RACINE COUNTY

Richard A. Hansen,
Treasurer
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

**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
Michael G. Hahn, 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 (Paddock Lake Sewer Service Area)

TO: The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Kenosha, the Town of Salem, and the Village of Paddock Lake

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 Paddock Lake 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. 2005-08

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 (PADDOCK LAKE 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 1st day of December 1986, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Paddock Lake sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 145, *Sanitary Sewer Service Area for the Town of Salem Utility District No. 1, Village of Paddock Lake, and Town of Bristol Utility District Nos. 1 and 1B*, October 1986 as amended; and

WHEREAS, by letter dated January 12, 2005, the Village of Paddock Lake requested that the Commission amend the Paddock Lake 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 Village of Paddock Lake to Amend the Paddock Lake 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 Paddock Lake and the Regional Planning Commission on April 20, 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;

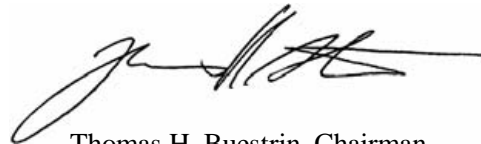
NOW, THEREFORE, BE IT HEREBY RESOLVED:

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 1st day of December 1986 to include the refined Paddock Lake sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 145, 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.

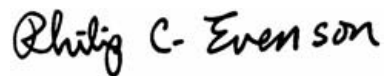
THIRD: That a true, correct, and exact copy of this resolution, together with the aforementioned SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals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



Thomas H. Buestrin, Chairman

ATTEST:



Philip C. Evenson, Deputy Secretary

SEWRPC STAFF MEMORANDUM

RESPONSE TO REQUEST BY THE VILLAGE OF PADDOCK LAKE TO AMEND THE PADDOCK LAKE SANITARY SEWER SERVICE AREA

INTRODUCTION AND BACKGROUND

By letter dated January 12, 2005, the Village of Paddock Lake requested that the Southeastern Wisconsin Regional Planning Commission amend the Paddock Lake sanitary sewer service area as that area is currently documented in SEWRPC Community Assistance Planning Report No. 145, *Sanitary Sewer Service Areas for the Town of Salem Utility District No. 1, Village of Paddock Lake, and Town of Bristol Utility District Nos. 1 and 1B, Kenosha County, Wisconsin*, dated October 1986, as amended. The basic purpose of the amendment would be to include within the planned sewer service area certain lands located immediately adjacent to, but outside, the Paddock Lake sewer service area.

AREA DESCRIPTION

The area proposed to be added to the Paddock Lake sanitary sewer service area encompasses 81 acres located south of CTH K in U.S. Public Land survey Section 1, Township 1 North, Range 20 East, in the Town of Salem (see Map 1). The subject area is comprised of 5 acres of existing urban development including street right-of-way, 52 acres of agricultural land, and 23 acres of environmentally significant land. The environmentally significant lands are comprised of 19 acres of existing isolated natural resource area and 4 acres of isolated wetlands. It is anticipated that the developable portion of the site would be developed for residential use, accommodating about 400 residents.

The proposed addition to the sewer service area and the environmentally significant lands within are shown in detail on Map 1. The boundaries of the environmentally significant lands shown on Map 1 have been updated to reflect existing (2000) conditions.

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

The proposed addition of 81 acres to the Paddock Lake sanitary sewer service area represents an increase in the planned sanitary sewer service area of about 5 percent. Including the incremental population of about 400 persons expected to be accommodated on the subject site, the buildout population of the Paddock Lake sewer service area—that is, the population level which could be expected if the sewer service area were fully developed in accordance with the Village land use plan—would approximate 5,400 persons. This lies within the year 2020 population projection of 4,100 to 6,600 persons for the Paddock Lake sewer service area embodied in the regional land use plan.

WATER QUALITY IMPACTS

Under the adopted regional water quality management plan and the revised Paddock Lake sanitary sewer service area plan herein set forth, 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 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

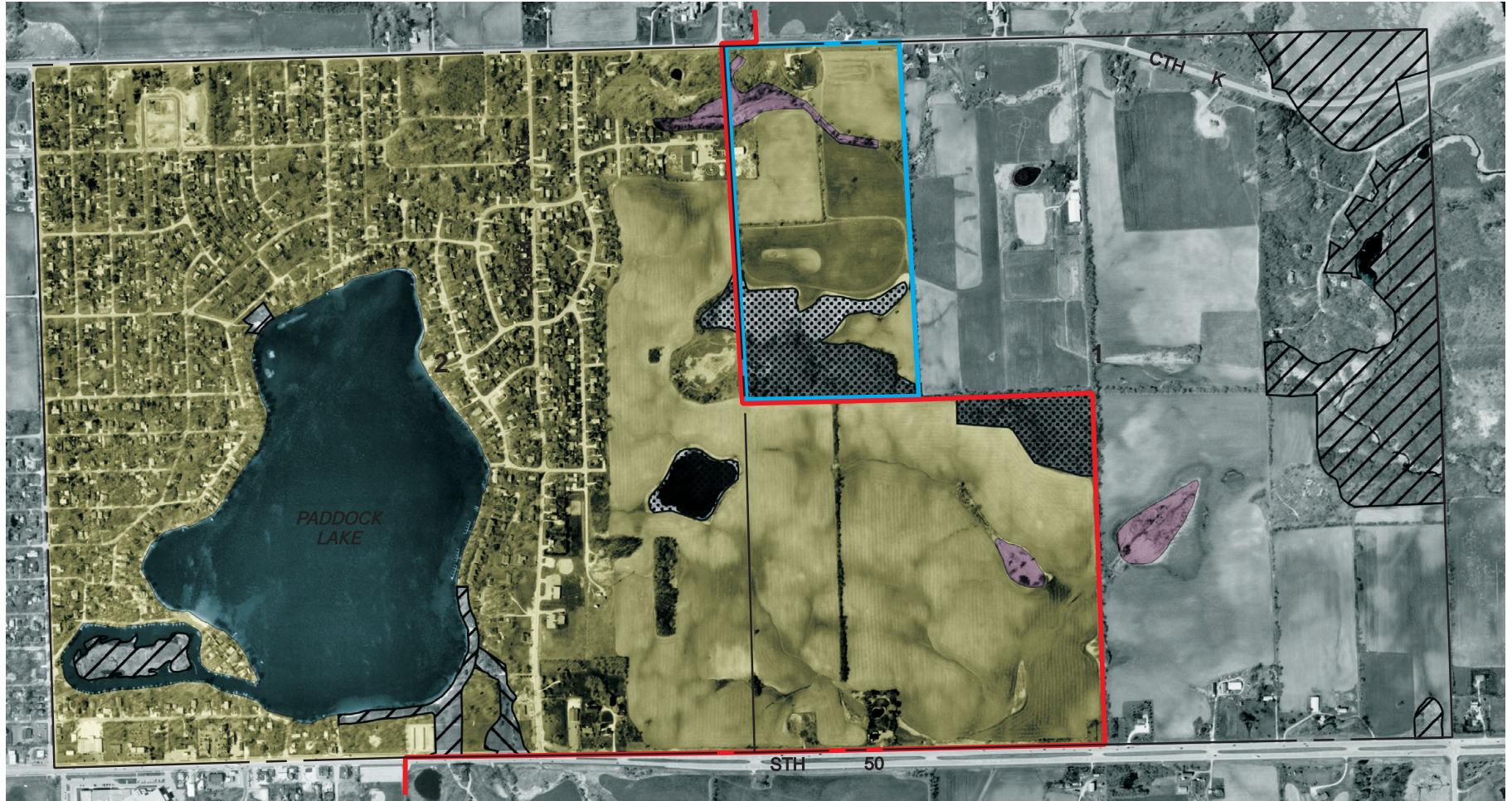
The proposed addition to the Paddock Lake sanitary sewer service area is immediately adjacent to the currently approved sewer service area as well as the Village wastewater treatment plant. The nearest other public sanitary sewer service area—the Town of Salem sewer service area—is located approximately 1 mile from the subject area. The subject area is located on the Paddock Lake side of the common boundary between the Village of Paddock Lake and Town of Salem sewer service

Map 1







2

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE VILLAGE OF PADDOCK LAKE

U. S. Public Land Survey Sections 1 and 2, Township 1 North, Range 20 East

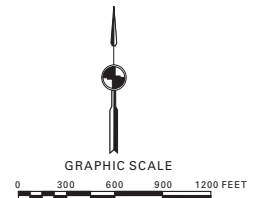


Photography Date: April 2000

- | | | | |
|---|---|---|--|
|  | PRIMARY ENVIRONMENTAL CORRIDOR |  | SURFACE WATER WITHIN ENVIRONMENTAL CORRIDORS |
|  | SECONDARY ENVIRONMENTAL CORRIDOR |  | PLANNED SANITARY SEWER SERVICE AREA |
|  | ISOLATED NATURAL RESOURCE AREA | | CURRENTLY APPROVED SANITARY SEWER SERVICE AREA BOUNDARY |
|  | WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE | | PROPOSED ADDITION TO THE PADDOCK LAKE SEWER SERVICE AREA |

NOTE: This map replaces the corresponding portion of Map 7-6, page 31, of SEWRPC Community Assistance Planning Report No. 145, Sanitary Sewer Service Area for the Town of Salem Utility District Number 1, Village of Paddock Lake, and Town of Bristol Utility District Nos. 1 and 1B, Kenosha County, Wisconsin, June 1996.

Source: SEWRPC.



areas established in a SEWRPC staff memorandum entitled, "Documentation of Analyses Associated with Providing Sanitary Sewer Service to Certain Lands Lying in the STH 50 Corridor in the Paddock Lake-Salem Area," dated November 2000. No further analysis is deemed necessary to conclude that the most cost-effective means of providing public sanitary sewer service to the subject area is through connection to the Paddock Lake sewerage system.

SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS

Sewage from the Paddock Lake sewer service area is treated at the Village of Paddock Lake sewage treatment facility. The Paddock Lake sewage treatment plant has a hydraulic design capacity of about 0.49 million gallons per day (mgd) on an average annual basis. The current hydraulic loading to the plant is about 0.46 mgd on an average annual basis. The sewage flows anticipated to be generated in the area proposed to be added to the Paddock Lake sewer service area may be expected to be about 0.05 mgd on an average annual basis. The addition of that flow would increase the hydraulic loading to the plant to 0.51 mgd, exceeding the existing plant capacity. In addition, future sewage flows from undeveloped portions of the currently approved Paddock Lake sewer service area are estimated to range from 0.2 mgd to 0.3 mgd on an average annual basis. **Accordingly, an increase in the sewage treatment plant capacity will be needed if development continues to occur in the Paddock Lake sewer service area. In 2006, the Village intends to initiate facility planning for a sewage treatment plant upgrading and expansion. Until the plant capacity is expanded, the Village should carefully monitor its sewage treatment plant operations and limit additional development to a level that will not produce loadings that exceed the current plant capacity.**

It should be noted that the Village of Paddock Lake sewage treatment facility is located adjacent to the area proposed to be added to the sewer service area. Under Chapter NR110 of the *Wisconsin Administrative Code*, sewage treatment facilities of the type operated by the Village must be isolated from commercial and residential development by a minimum separation distance of 500 feet. This is intended to minimize potential odor, noise, and other nuisance conflicts, and to enhance plant security and reliability. **Thus, it is important that development be separated from existing and probable future sewage treatment facilities by at least 500 feet.**

PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on April 20, 2005 at the Paddock Lake Village Hall to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the Village of Paddock Lake 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 Board of Trustees of the Village of Paddock Lake adopted the plan amendment on April 20, 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 Village of Paddock Lake as documented in SEWRPC Community Assistance Planning Report No. 145, as amended.