

AMENDMENT TO THE

REGIONAL WATER QUALITY MANAGEMENT PLAN

VILLAGE OF GENOA CITY

AS ADOPTED BY THE
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

JUNE 1999

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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 (Genoa City Sanitary Sewer Service Area)

TO: The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Walworth; the Village of Genoa City; and the Town of Bloomfield

This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Washington County Historical Museum, West Bend, Wisconsin, on the 16th day of June 1999, 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 Genoa City 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 Waukesha, Wisconsin, this 17th day of June 1999.

Thomas H. Buestrin, Chairman
Southeastern Wisconsin
Regional Planning Commission

ATTEST:

Philip C. Evenson, Deputy Secretary

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RESOLUTION NO. 99-9

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 (GENOA CITY SANITARY SEWER SERVICE AREA)

WHEREAS, pursuant to Section 66.945(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 19th day of June 1996, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Genoa City sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 175 (2nd Edition), Sanitary Sewer Service Area for the Village of Genoa City, Kenosha and Walworth Counties, Wisconsin, May 1996; and

WHEREAS, by letter dated March 5, 1999, the Village of Genoa City requested that the Commission amend the Genoa City 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 Genoa City to amend the Genoa City 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 Genoa City and the Regional Planning Commission on June 3, 1999; and

WHEREAS, Section 66.945(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;

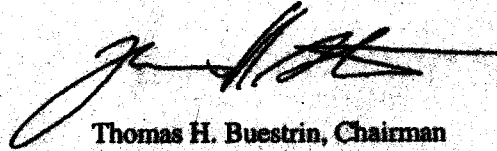
NOW, THEREFORE, BE IT HEREBY RESOLVED:

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 19th day of June 1996 to include the refined Genoa City sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 175 (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.

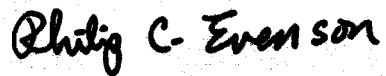
THIRD: That a true, correct, and exact copy of this resolution, together with the aforementioned SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals 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 16th day of June 1999, 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 GENOA CITY TO AMEND THE GENOA CITY SANITARY SEWER SERVICE AREA

INTRODUCTION AND BACKGROUND

By letter dated March 5, 1999, the Village of Genoa City requested that the Southeastern Wisconsin Regional Planning Commission amend the Genoa City sanitary sewer service area as that area is currently documented in SEWRPC Community Assistance Planning Report No. 175 (2nd Edition), Sanitary Sewer Service Area for the Village of Genoa City, Kenosha and Walworth Counties, Wisconsin, dated May 1996. The basic purpose of the amendment would be to include within the planned Genoa City sewer service area certain lands located immediately adjacent to, but outside of, the currently adopted sewer service area to accommodate proposed industrial and residential land uses. Most of the area proposed to be added to the sewer service area is included in a concept plan for an industrial park which has been approved by the Village. All of the area proposed to be added has been annexed to the Village of Genoa City. Engineering work for a lift station and force main to serve the area is underway.

AREA DESCRIPTION

As shown on Map 1, the area proposed to be added to the Village of Genoa City sanitary sewer service area encompasses 150 acres located in U.S. Public Land Survey Sections 25 and 36, Township 1 North, Range 18 East, in the Village of Genoa City. This area is currently in agricultural use, contains no urban land uses except for one existing housing unit, and contains no environmentally significant lands. A 141-acre portion of the subject area is anticipated to comprise part of a proposed 300-acre industrial and office park, the remainder of which is already located within the currently approved Genoa City sewer service area. A 9-acre portion of the subject area is anticipated to be developed for multi-family residential use and would result in a population increase of about 100 persons to the sewer service area.

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

The proposed addition of 150 acres to the Genoa City sanitary sewer service area represents an increase of about 11 percent over the currently adopted sewer service area. The revised sanitary sewer service area for the Village of Genoa City, including the subject additional lands, would encompass about 2.3 square miles, including about 0.1 square mile of primary environmental corridor and about 0.1 square mile of isolated natural resource areas. Thus, environmentally significant areas would comprise about 9 percent of the revised sewer service area.

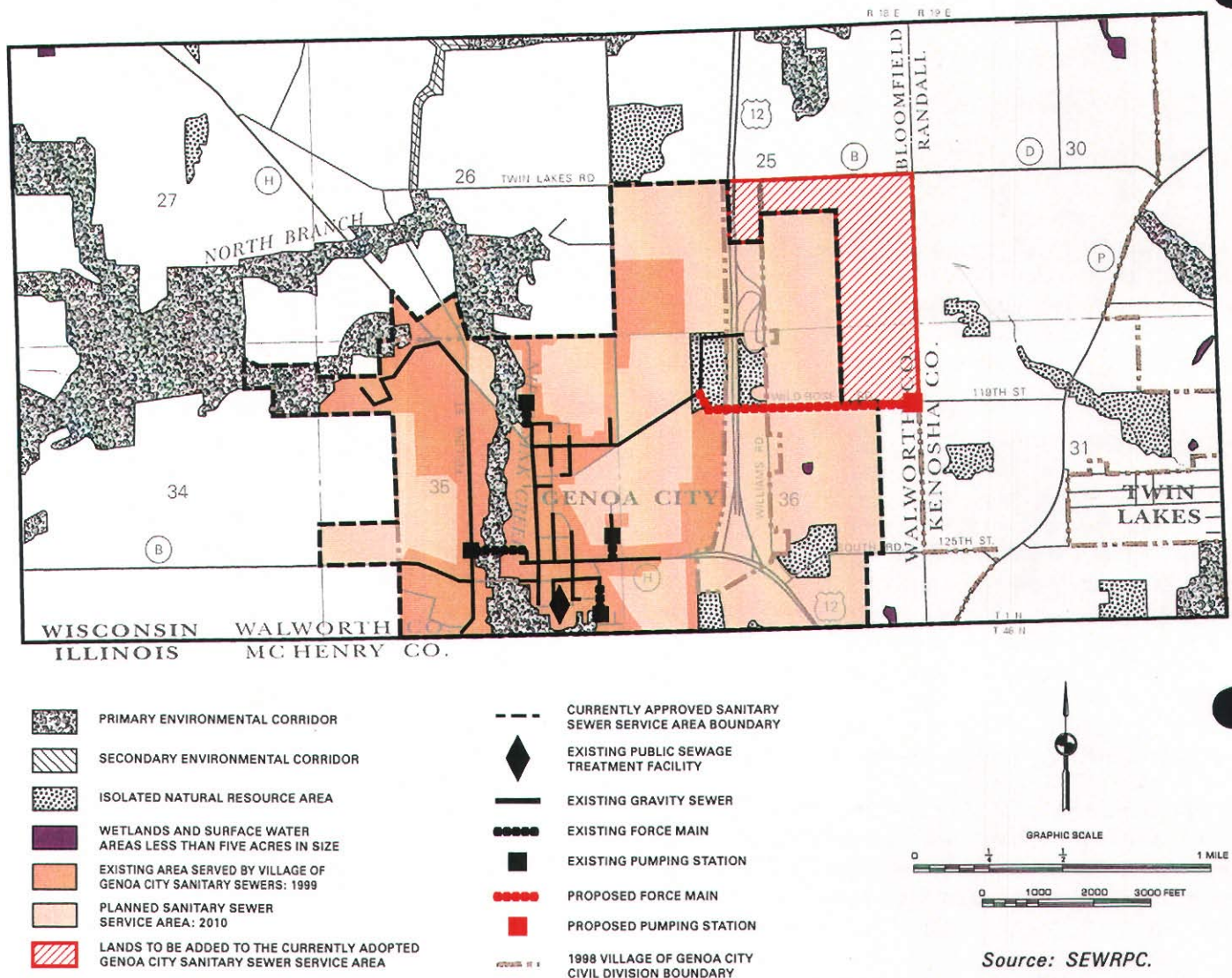
The aforementioned population increase of 100 persons within the area to be added to the Genoa City sewer service area is not significant relative to the overall future population of the sewer service area. Conversely, the commercial and industrial land proposed to be added to the sewer service area could contribute significantly to employment levels within the sewer service area. It is estimated that full development of the amended Genoa City sewer service area would result in about 3,400 jobs, compared to about 600 existing jobs in 1995. This estimate is based upon typical commercial and industrial employment densities. The actual future employment level in the Genoa City sewer service area will depend upon actual employment densities and specific types of commercial and industrial development accommodated.

The year 2020 regional land use plan envisions a substantial increase in employment in the Genoa City area, with employment levels projected to reach 2,100 jobs under an intermediate-growth scenario and 2,700 jobs under a high-growth scenario. The employment levels projected in the regional land use plan are intended to indicate a reasonable range of possible future employment levels through the year 2020. These long-range projections are the product of systems-level planning and, as such, cannot precisely predict the magnitude of specific increments of development, such as a new industrial park, which may significantly alter employment levels for smaller urban areas, such as Genoa City.

It may be concluded that the proposed Genoa City sewer service area is in accord with the principles and concepts of the regional plan, including the substantial employment growth envisioned for the area under the regional plan. This conclusion recognizes the systems-level nature of the regional plan projections and also recognizes the need for local planning efforts to anticipate entire development projects rather than parts thereof.

Map 1

RECOMMENDED REVISION TO THE VILLAGE OF GENOA CITY SANITARY SEWER SERVICE AREA



WATER QUALITY IMPACTS

Under the adopted regional water quality management plan and the refined 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 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 Genoa City sanitary sewer service area lies adjacent to the currently adopted sewer service area which is tributary to the Village of Genoa City sewerage system. Following application for appropriate permits from the Wisconsin Department of Natural Resources in March 1999, the Village initiated engineering work on a force main and lift station to serve the subject area and other lands currently not served by the Village's sewerage system. The nearest other

public sewerage system, operated by the Village of Twin Lakes, is located one mile east of the subject area. No further analysis is deemed to be required to conclude that the subject area would be served most cost-effectively through connection to the Village of Genoa City sewerage system.

SEWERAGE SYSTEM CAPACITY IMPACT ANALYSIS

The existing Village of Genoa City sewage treatment plant has a design capacity of 0.22 million gallons per day (mgd) on an average annual basis. The current flow rate is about 0.17 mgd on an average annual basis. The increase in sewered population from about 1,600 persons in 1998 to about 3,100 persons upon full development of the sewer service area is estimated to result in a flow rate of about 0.30 mgd on an average annual basis. In addition to the aforementioned residential sewage flows, industrial and commercial wastewater flows within the sewer service area would also increase significantly. Within the current sewer service area and with addition of the subject area, about 400 acres of land would be converted to industrial and commercial uses, which would generate additional sewage flows of 0.30 to 0.60 mgd on an average annual basis upon full development. Thus, the potential total future loading to the Village of Genoa City sewage treatment plant could potentially range from 0.60 to 0.90 mgd on an average annual basis assuming full development of all lands envisioned for residential, industrial, and commercial uses. Thus, full development of the service area will require that the sewage treatment plant capacity be increased substantially. It should be noted that the actual need for additional treatment plant capacity will be largely dependent upon the actual type and extent of new residential, commercial, and industrial development within the planned sewer service area.

The Village of Genoa City is currently engaged in facility planning to evaluate the best means of providing the necessary conveyance facilities and sewage treatment plant capacity. The facility planning effort is considering alternatives that would expand and upgrade the Village's existing sewage treatment plant as well as alternatives that would provide for connection of all or portions of the Village to a new sewage treatment plant currently being constructed by the Town of Bloomfield Pell Lake Sanitary District No. 1. Regardless of the alternative chosen, the Village should ensure that sufficient sewage treatment plant capacity is provided to accommodate full development of the proposed expanded sanitary sewer service area.

PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on June 3, 1999, at the Genoa City Village Hall to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the Village of Genoa City 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 sensitive lands located within, along with a description of potential impacts for the Village's sewerage system.

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 Genoa City adopted the plan amendment on June 10, 1999.

CONCLUDING RECOMMENDATION





Based upon the foregoing, it is recommended that the Southeastern Wisconsin Regional Planning Commission formally amend the sanitary sewer service area for the Village of Genoa City as documented in SEWRPC Community Assistance Planning Report No. 175 (2nd Edition), in the manner identified on Map 1. A more detailed delineation of the revised sewer service area and of the environmentally significant lands within is shown on an 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 GENOA CITY

U. S. Public Land Survey Sections 25, 26, 35, and 36
Township 1 North, Range 18 East



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

-  PLANNED SANITARY SEWER SERVICE AREA
-  GROSS SANITARY SEWER SERVICE AREA BOUNDARY

NOTE: This map replaces Map 8-2, page 21, of SEWRPC Community Assistance Planning Report No. 175 (2nd Edition), Sanitary Sewer Service Area for the Village of Genoa City, Kenosha and Walworth Counties, Wisconsin, dated May 1996.

