AMENDMENT TO THE

REGIONAL WATER QUALITY MANAGEMENT PLAN

GREATER KENOSHA AREA

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

DECEMBER 2001
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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SUBJECT: Certification of Amendment to the Adopted Regional Water Quality Management Plan (Greater Kenosha 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 City of Kenosha, the Village of Pleasant Prairie, and the Towns of Bristol, Paris, and Somers.

This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Milwaukee County War Memorial Center, Milwaukee, Wisconsin, on the 5th day of December 2001, the Commission did by unanimous vote of all Commissioners present, being 18 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 Greater Kenosha 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 6th day of December 2001.

Thomas H. Buestrin, Chairman
Southeastern Wisconsin
Regional Planning Commission

ATTEST:

Philip C. Evenson
Deputy Secretary
RESOLUTION NO. 2001-26


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, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Greater Kenosha sanitary sewer service area in 1985, as originally documented in SEWRPC Community Assistance Planning Report No. 106, Sanitary Sewer Service Area for the City of Kenosha and Environs, Kenosha County, Wisconsin and most recently amended in Amendment to the Regional Water Quality Management Plan, Greater Kenosha Area, dated March 1996; and

WHEREAS, pursuant to requests by the City of Kenosha, the Village of Pleasant Prairie, and the Town of Bristol, the Kenosha Water Utility requested in 2001 that the Commission amend the Greater Kenosha 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 Requests by the City of Kenosha, the Village of Pleasant Prairie, and the Town of Bristol to Amend the Sanitary Sewer Service Area for the Greater Kenosha Area,” attached hereto and made a part hereof; and

WHEREAS, the requested change to the regional water quality management plan, as documented in the aforereferenced staff memorandum, was the subject of a public hearing held jointly by the Kenosha Water Utility and the Regional Planning Commission on November 26, 2001; 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 6th day of March 1996 to include the refined Greater Kenosha sewer service area, as set forth in Amendment to the Regional Water Quality Management Plan, Greater Kenosha Area, be and the same hereby is amended in the manner identified on Maps 1 and 2 of the aforereferenced 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 aforereferenced 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 5th day of December 2001, the vote being: Ayes 18; Nays 0.

ATTEST:

Philip C. Evenson, Deputy Secretary
INTRODUCTION AND BACKGROUND

This report was prepared in response to requests by the City of Kenosha, the Village of Pleasant Prairie, and the Town of Bristol to amend the greater Kenosha sanitary sewer service area. Those requests have been endorsed by the Kenosha Water Utility, the operator of the sewage treatment plant serving the greater Kenosha area, and were forwarded to the Regional Planning Commission in 2001. The proposals submitted by the City of Kenosha, the Village of Pleasant Prairie, and the Town of Bristol each seek to expand the sewer service area further into the area of Kenosha County west of IH 94. Also addressed in this report is a proposal set forth in a letter from the Kenosha Water Utility to the Commission dated October 31, 2001, requesting modification of the primary environmental corridor delineation on a portion of Alford Park that is leased to Carthage College.

Finally, in addition to the above-referenced amendments to the sewer service area plan, this report presents updated maps of environmentally significant lands for the entire sanitary sewer service area. The updated maps reflect changes in natural features evident on the most recent aerial photography available; the results of the field identification and staking of wetlands where field surveys have been completed; and the latest floodplain delineations, including revised floodplain delineations for the Des Plaines River watershed. In addition, the environmental corridor delineations have been modified to discount the effects of channel modifications and other major flood control measures which are recommended in the Pike River watershed plan but which not likely to be implemented in Kenosha County. Moreover, additions to the environmental corridors that have been proposed in previous neighborhood unit development plans adopted by communities in the area were reviewed with the community planners to determine whether they should continue to be identified as environmental corridor lands on the sewer service area plan. Maps 1 and 2 and the detailed maps beginning on Page 10 of this report have been updated in this manner.

PROPOSED CHANGES TO THE SANITARY SEWER SERVICE AREA PLAN

Proposed Additions

The three areas proposed to be added to the existing sewer service area are outlined in green on Map 1. In combination, these areas encompass a total of 1,680 acres. Of this total, 280 acres are comprised of environmentally significant lands; 107 acres are devoted to existing urban development; and 1,293 acres are comprised of agricultural and other open lands which could be developed for urban uses.

The areas proposed to be added to the currently adopted sanitary sewer service area are described as follows:

**Area A**

This area is proposed to be added to the sewer service area by the Village of Pleasant Prairie. It is envisioned that the area would primarily accommodate industrial development. WISPARK, Inc. has acquired much of that portion of the proposed sewer service area addition located south of CTH Q for a new industrial park. Area A encompasses about 360 acres. In 1995 about 7 acres were in urban use. About 47 acres were comprised of isolated natural resource areas. The remainder of 306 acres is envisioned to be developed primarily for industrial and related uses.

**Area B**

This area is proposed to be added to the sewer service area by the Town of Bristol. It is envisioned that the area would accommodate low-density single-family residential development. Area B encompasses a total of 480 acres. In 1995 about 38 acres were in urban use. About 136 acres were comprised of environmental corridors and isolated natural resource areas, including adjacent farmed floodplain areas which may be
Map 1
GREATER KENOSHA PLANNED SANITARY SEWER SERVICE AREA WITH PROPOSED ADDITIONS

- Greater Kenosha Sanitary Sewer Service Area
- Racine and Environs Sanitary Sewer Service Area
- Areas Proposed to be Added to the Greater Kenosha Sewer Service Area
- Primary Environmental Corridor
- Secondary Environmental Corridor
- Isolated Natural Resource Area

Wetlands and Surface Water Areas Less Than Five Acres in Size
Undeveloped Pike Creek Floodplain Areas Which Would Be Added to the Pike Creek Environmental Corridor If and When They Revert to a Natural Condition and Take on Environmental Corridor Characteristics
Existing Primary Environmental Corridor Adjacent to Carthage College – Proposed to be Converted to Urban Use

Source: SEWRPC.
expected to revert to a natural condition when farming operations cease, as shown on Map 2. The remainder of 306 acres is envisioned to be developed for residential use.

**Area C**

This area is proposed to be added to the sewer service area by the City of Kenosha. Under an agreement between the City of Kenosha and the Town of Bristol, nearly all of this area would be eventually attached to the City. It is envisioned that the area would accommodate a mixture of residential, commercial, and outdoor recreation uses. Area C encompasses a total of 840 acres. In 1995 about 62 acres were in urban use. About 97 acres were comprised of environmental corridors and isolated natural resource areas, including adjacent farmed floodplain areas which may be expected to revert to a natural condition when farming operations cease, as shown on Map 2. The remainder of 681 acres is envisioned to be developed for residential, commercial, and outdoor recreational uses.

With these additions, the size area of the Greater Kenosha sewer service area would increase by 2.6 square miles, or 3.5 percent, to a total of 76.5 square miles. The expanded sewer service area would encompass 14.1 square miles of environmentally significant lands—including 9.1 square miles of primary environmental corridors, 2.7 square miles of secondary environmental corridors, 1.7 square miles of isolated natural resource areas, and 0.6 square mile of wetlands and surface water areas less than five acres in size.¹

**Proposed Modification of the Primary Environmental Corridor in Alford Park**

The other sewer service area plan amendment under consideration involves the modification of the primary environmental corridor in a portion of Alford Park that is leased to Carthage College by the City of Kenosha. The proposed modification involves the deletion from the existing primary environmental corridor of a 2.7-acre area on which Carthage College proposes to construct student housing.

The area proposed to be removed from the environmental corridor is identified by the red hatch on Figure 1 on Page 5. The area to be removed from the corridor is relatively level; it abuts the inland edge of the Lake Michigan bluff. A number of trees would have to be removed from the area to accommodate the proposed development.

**RELATIONSHIP TO REGIONAL PLANNING COMMISSION POPULATION AND HOUSEHOLD PROJECTIONS**

Under Chapter NR 121 of the Wisconsin Administrative Code, sanitary sewer service areas must be delineated based upon a 20-year population projection. When a sewer service area is initially delineated or subsequently expanded, analyses must be undertaken to ensure that this requirement is met. For each sewer service area, the Regional Planning Commission has projected a range of future population levels which could be anticipated under intermediate- and high-growth scenarios for the Region. In accordance with long-standing Commission policy, the population-related requirements of Chapter NR 121 are considered to be met if the buildout population of a sewer service area—that is, the population which could be expected under full development conditions—is within the projected range.

Current Commission population and household projections for the Greater Kenosha area extend to the year 2020. The Commission analyses indicate that—assuming growth and development in accordance with the densities envisioned in the comprehensive plan for the Kenosha Urban Planning District—² the currently adopted Greater Kenosha sanitary sewer service area would be able to accommodate a population level that approximates the high-growth population projection for the year 2020. Nevertheless, because the timeframe of the Commission

¹The environmental corridor measurements do not reflect the area of the floodplain along Pike Creek between STH 50 and a point just north of CTH S within the sewer service area. Portions of this area may be expected to take on environmental corridor characteristics as agricultural operations cease and the surrounding areas are converted to urban uses.

²This plan is documented in SEWRPC Community Assistance Planning Report No. 212, A Comprehensive Plan for the Kenosha Urban Planning District, 1995.
ANTICIPATED CHANGES TO THE ENVIRONMENTALLY SIGNIFICANT LANDS IN THE GREATER KENOSHA SANITARY SEWER SERVICE AREA

### Map 2

#### Graphic Scale

- 0 1 MILE
- 0 2000 4000 6000 8000 FEET

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**Primary Environmental Corridor**

- Planned Sanitary Sewer Service Area Boundary
- Primary Environmental Corridor
- Existing Secondary Environmental Corridors and Isolated Natural Resource Areas
- Existing Isolated Natural Resource Areas
- Existing Secondary Environmental Corridors
- Existing Isolated Natural Resource Areas
- Planned Sanitary Sewer Service Area Boundary

**Secondary Environmental Corridor**

- Existing Secondary Environmental Corridors
- Existing Isolated Natural Resource Areas
- Planned Sanitary Sewer Service Area Boundary

**Isolated Natural Resource Area**

- Wetlands and Surface Water Areas
- UNDEVELOPED FLOODPLAINS WITHIN THE PLANNED SANITARY SEWER SERVICE AREA
- UNDEVELOPED FLOODLANDS LOCATED OUTSIDE THE PLANNED SANITARY SEWER SERVICE AREA

**Additional Areas**

- UNDEVELOPED PIKE CREEK FLOODPLAIN AREAS WHICH WOULD BE ADDED TO THE ADJACENT PIKE CREEK ENVIRONMENTAL CORRIDOR IF AND WHEN THEY REVERT TO A NATURAL CONDITION AND TAKE ON ENVIRONMENTAL CORRIDOR CHARACTERISTICS
- OTHER AREAS TO BE ADDED TO PRIMARY ENVIRONMENTAL CORRIDOR
- OTHER AREAS TO BE ADDED TO PRIMARY ENVIRONMENTAL CORRIDOR IN ACCORDANCE WITH LOCALLY ADOPTED LAND USE PLAN
- OTHER AREAS TO BE ADDED TO PRIMARY ENVIRONMENTAL CORRIDOR

**Source:** SEWRPC.
Figure 1

PROPOSED MODIFICATION OF THE PRIMARY ENVIRONMENTAL CORRIDOR IN ALFORD PARK

Source: SEWRPC.
projections is now less than 20 years (it will be about 18 years at the end of 2001), the expansion of the Kenosha sewer service to include additional land for future residential development at this time is justified.

The Regional Planning Commission has not yet prepared population projections beyond the year 2020. As a basis for determining the amount of additional residential land that may be added to the sewer service area at this time, existing Commission projections for the year 2020 were extrapolated two years into the future. This extrapolation indicated that, during the two-year period ending in December 2021, about 700 additional households may be expected in the Greater Kenosha area under an intermediate-growth scenario, and that about 1,500 additional households may be expected under a high-growth scenario. Any expansion of the sewer service area at the present time should be generally consistent with this range.

As noted above, additional residential development is anticipated in two of the additions under consideration—Areas B and C. Based upon the amount and density of planned residential development anticipated in these areas, it is estimated that the areas would accommodate a total of about 1,700 additional households. This slightly exceeds the high end of the above-cited two-year projection range. The excess is directly related to the attempt in this sewer service area amendment to add entire planned neighborhoods to the sewer service area—rather than adding portions of planned neighborhoods on a piecemeal basis—and may be justified on that basis.

WATER QUALITY IMPACTS

Impacts Related to Proposed Additions to the Sewer Service Area
With respect to the proposed additions to the sewer service area, 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 expanded 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. In addition, the provision of public sanitary sewer service to those lands within the planned sanitary sewer service area which are currently developed and served by onsite sewage disposal systems may be expected to reduce the pollutant loadings from the existing onsite sewage disposal systems to both surface and ground waters.

Impacts Related to Proposed Modification of the Primary Environmental Corridor in Alford Park
A modest increase in nonpoint source pollution loadings would be expected to be generated from stormwater runoff draining the 2.7-acre area to be removed from the primary environmental in Alford Park. This would result from the conversion of a portion of the woodlands to relatively intensive urban development. The expected increase in sediment loading, in particular, would be most significant during construction. However, this could be minimized by the use of a high level of construction erosion control measures.

While the proposed development would result in increased nonpoint source pollution, the amount of pollutants likely to be discharged during construction and under full development conditions would be insignificant when considered within the framework of the total pollutant loading to the reach of Lake Michigan along the Kenosha urbanized area.

Should this development proposal move forward, every effort should be made to minimize erosion during the construction phase and to incorporate into the project stormwater management measures which minimize on a permanent basis any nonpoint source pollution loading to Lake Michigan.

SEWAGE TREATMENT PLANT CAPACITY ANALYSIS

In 1994, the Kenosha Water Utility completed sewage treatment plant improvements in accordance with the recommendations set forth in a 1991 sewerage system plan. The expanded sewage treatment plant has a capacity

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of 28.0 million gallons per day (mgd) on an average annual basis, and 140 mgd on a peak hourly basis. The peak hourly capacity is being provided by a combination of a 30 million gallon flow equalization storage facility and a 68.0 mgd of treatment capacity. These design flows include consideration of the entire service area set forth in the currently adopted sanitary sewer service area as documented in the 1996 amendment to the regional water quality management plan. That service area includes areas currently served by the Village of Pleasant Prairie Sewer Utility District D and the former Sanitary District No. 73-1 sewage treatment plants. The current average hydraulic loading on the plant is about 23.0 mgd on an average annual basis. In addition, the plant has experienced flows which have exceeded the plant and storage system peak flow capacity on three occasions during the past two years. These occurrences were during periods of extreme rainfall events, including the short-term intense rainfall event which occurred on June 12, 2000. In order to improve the peak flow plant hydraulic capacity, the Kenosha Water Utility has taken steps to increase the pumping capacity into the storage equalization basin, with construction underway in 2001.

The sewage flows from the areas proposed to be added to the sewer service area are expected to add from 1.0 to 2.0 millions of gallons per day (mgd) on an average daily flow basis upon full development. Since the current plant design did not include these areas, it is expected that the plant capacity may be exceeded before the year 2020. However, based upon current trends, the existing capacity should be adequate through the year 2010, with the time for initiating facility planning dependent upon the pace of development over the entire service area.

The agreements between the Kenosha Water Utility and the communities served provide for the utility to notify the communities at least three and one-half years before any major sewage treatment plant expansion is initiated. Accordingly, review of the plant operation for contractual purposes, as well as for Wisconsin Department of Natural Resources compliance maintenance purposes, will be required and appropriate planning will be put in place prior to any needed plant expansion.

PUBLIC REACTION TO THE PLAN

A public hearing was held on November 26, 2001, to receive public comment on, and reaction to, the proposed amendments. The hearing was sponsored by the Kenosha Water Utility and the Regional Planning Commission. A summary of the plan amendments was presented prior to receiving public comment. 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 amendments as presented at the public hearing.

LOCAL GOVERNMENT SUPPORT FOR THE PLAN AMENDMENT

The City of Kenosha Board of Water Commissioners adopted the plan amendments on November 26, 2001.

CONCLUDING RECOMMENDATION

Based upon the foregoing, it is recommended that the Southeastern Wisconsin Regional Planning Commission formally amend the sanitary sewer service area plan for the Greater Kenosha area as proposed in this memorandum, thereby expanding the sewer service area to include Areas A, B, and C, identified on Map 1, and modifying the primary environmental corridor within Alford Park, as shown on Figure 1. More detailed delineations of the revised sewer service area and of the environmentally significant lands within are shown on a series of aerial photographs reproduced as Map 3 on Pages 9 through 45 of this report.

It is further recommended that any development within the area to be removed from the environmental corridor in Alford Park should proceed with a high level of construction erosion control. Any development should incorporate stormwater management measures which minimize on a permanent basis any nonpoint source pollution loading to Lake Michigan. It is further recommended that due consideration be given in detailed site planning to the proximity of the proposed development to the Lake Michigan bluff. Suitability analyses, including two bluff profile surveys conducted in the vicinity of the proposed development site in 1995 as part of a regional analysis of Lake Michigan shoreline erosion and bluff stability, indicated that the bluff along this reach is stable;
that bluff recession over the period 1975 to 1995 was negligible; and that, in general, shoreline and bluff erosion do not appear to be a significant issue. However, the Commission analysis constitutes a system level analysis and should not substitute for site-specific analysis. Accordingly, it is recommended that any future development of the site be preceded by an engineering analysis of site stability under development conditions and that development of the site incorporate measures to provide for bluff and shoreline stabilization over the long term, as needed.
INDEX OF MAPS SHOWING ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARYSEWER SERVICE AREA FOR THE GREATER KENOSHA AREA
Map 3-1

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 3 and 10
Township 2 North, Range 21 East

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

Source: SEWRPC.
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 1, 2, 11, and 12
Township 2 North, Range 21 East

Source: SEWRPC.
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 5, 6, 7, and 8
Township 2 North, Range 22 East

Map 3-3

Source: SEWRPC.
Map 3-4

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 3, 4, 9, and 10
Township 2 North, Range 22 East

Photography Date: 2000

Source: SEWRPC.
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 1, 2, 11, and 12
Township 2 North, Range 22 East

Source: SEWRPC.
Map 3-6

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 5, 6, 7, and 8
Township 2 North, Range 23 East

Source: SEWRPC.
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 15 and 22
Township 2 North, Range 21 East

Source: SEWRPC.
Map 3-8
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 13, 14, 23, and 24 Township 2 North, Range 21 East

Source: SEWRPC.
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 17, 18, 19, and 20
Township 2 North, Range 22 East

Source: SEWRPC.
Map 3-10

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 15, 16, 21, and 22
Township 2 North, Range 22 East

Source: SEWRPC.
Map 3-11
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 13, 14, 23, and 24
Township 2 North, Range 22 East

Photography Date: 2000

Source: SEWRPC.
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 18 and 19
Township 2 North, Range 23 East

Source: SEWRPC.
Map 3-13
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 27 and 34
Township 2 North, Range 21 East

Photography Date: 2000

Source: SEWRPC.
ENVIROMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 29, 30, 31, and 32
Township 2 North, Range 22 East

Source: SEWRPC.
Map 3-16

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 27, 28, 33, and 34
Township 2 North, Range 22 East

Source: SEWRPC.
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 25, 26, 35, and 36
Township 2 North, Range 22 East

Source: SEWRPC.
Map 3-18
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 30 and 31
Township 2 North, Range 23 East

Photography Date: 2000

Source: SEWRPC.
Map 3-19
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 3 and 10
Township 1 North, Range 21 East

Photography Date: 2000

Source: SEWRPC.
Map 3-20

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 1, 2, 11, and 12
Township 1 North, Range 21 East

Source: SEWRPC.
Map 3-21
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 5, 6, 7, and 8
Township 1 North, Range 22 East

Photography Date: 2000

Source: SEWRPC.
Map 3-22

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 3, 4, 9, and 10
Township 1 North, Range 22 East

Source: SEWRPC.
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 1, 2, 11, and 12
Township 1 North, Range 22 East

Source: SEWRPC.
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 5, 6, 7, and 8
Township 1 North, Range 23 East

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

Source: SEWRPC.
Map 3-25
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATERKENOSHA AREA

U. S. Public Land Survey Sections 15 and 22
Township 1 North, Range 21 East

Photography Date: 2000

Source: SEWRPC.
Map 3-26

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 13, 14, 23, and 24
Township 1 North, Range 21 East

Source: SEWRPC.
Map 3-28
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 15, 16, 21, and 22
Township 1 North, Range 22 East

Source: SEWRPC.
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 13, 14, 23, and 24
Township 1 North, Range 22 East

Source: SEWRPC.
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 17, 18, 19, and 20
Township 1 North, Range 23 East

GROSS SANITARY SEWER SERVICE AREA BOUNDARY

Source: SEWRPC.
Map 3-31

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 27 and 34
Township 1 North, Range 21 East

Source: SEWRPC.
Map 3-32
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 25, 26, 35, and 36
Township 1 North, Range 21 East

Source: SEWRPC.
Map 3-33

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 29, 30, 31, and 32
Township 1 North, Range 22 East

Source: SEWRPC.
Map 3-34
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 27, 28, 33, and 34
Township 1 North, Range 22 East

Source: SEWRPC.
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 25, 26, 35, and 36
Township 1 North, Range 22 East

Source: SEWRPC.
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE GREATER KENOSHA AREA

U. S. Public Land Survey Sections 29, 30, 31 and 32
Township 1 North, Range 23 East

Source: SEWRPC.