

ROCK COUNTY, WISCONSIN
Planning, Economic & Community
Development Agency



51 South Main Street, Janesville, WI 53545
Phone: 608-757-5587
Fax: 608-757-5586
Website: www.co.rock.wi.us

October 28, 2011

Fran Keally
Wisconsin Department of Natural Resources
101 South Webster Street
PO Box 7921 WQ/3
Madison, WI 53703

Dear Ms. Keally:

As you are aware the Rock County Planning and Development Agency together with the City of Beloit, and the towns of Beloit, Turtle and Rock have established an on-going dialogue with respect to updating the Greater Beloit Metropolitan Area Sewer Service Plan. At this time this group is in unanimous agreement that a plan update is needed.

Pursuant to your advisement, please find a set of preliminary application materials so that US Environmental Protection Agency funds as administered through the Wisconsin Department of Natural Resources can be made available to perform this planning effort.

Please note, this set of pre-application materials is submitted with the understanding that more information can and will be made available to the Wisconsin Department of Natural Resources at such time it is appropriate and/or upon request.

If you have any questions please feel free to contact me via e-mail at cannon@co.rock.wi.us or at (608) 757-5591. Thank you very much.

Sincerely,

Richard G. Cannon, PE.
Rock County Engineer
Rock County Planning and Development Agency

City of Beloit and Town of Beloit Area-wide Water Quality Management Plans Update: 2011-2013 Preliminary Request For Funding

Date: October 28, 2011

Proposal Prepared By: Rock County Planning, Economic & Community Development Agency
51 South Main Street
Janesville, Wisconsin 53545
(608) 757-5587 – phone
(608) 757-5586 – fax
planning@co.rock.wi.us
www@co.rock.wi.us

Grant Period: 2012 Calendar Year (Project Phase I)

Amount Requested: To Be Determined and Requested at a Later Date

Lead Agency: Rock County Planning, Economic & Community Development Agency
51 South Main Street
Janesville, Wisconsin 53545
(608) 757-5587 – phone
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planning@co.rock.wi.us
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Project Description:

1. PLANS OVERVIEW

The original Beloit Metropolitan Sewer Service plan document, covering the City of Beloit and surrounding the urbanized area, was produced in 1986 and subsequently updated in the mid-1990s. Due to a number of significant changes to the area's overall urbanized landscape those original documents have become outdated. Because the previous plan update was conducted over a decade ago, the two urban area sewer service providers namely The City of Beloit and The Town of Beloit together with Rock County have concluded that it is necessary to update both plans at this time.

It is the intention of the Rock County Planning and Development Agency and the Rock County Health Department to work cooperatively with both Beloit urbanized area sewer service providers and each of the area's affected units of government in order to produce these plan updates. Therefore this preliminary request is made so that US Environmental Protection Agency funds as administered through the Wisconsin Department of Natural Resources can be made available through their application process.

2. PLAN AMENDMENT HISTORY

The first Beloit Metropolitan Sewer Service plan amendment was performed in 1996. This amendment adjusted the City of Beloit's Sewer Service Area boundaries by taking into consideration the addition of a residential subdivision development, proposed for the City of Beloit's northwest side. The second plan amendment performed in 2007, made slight modifications to the actual sewer service provided to a number of Town of Beloit and city residents in a limited geographic area adjacent to the Rock River. Lift station operations within the current plan boundaries were also addressed in the second amendment.

3. PARTICIPATING LOCAL UNITS of GOVERNMENT

The City of Beloit, along with the Town of Beloit, Town of Turtle, and Town of Rock are the local units of government that will be directly affected by the plan updates. Because the Rock County Planning and Review Agency has been Rock County's overall urbanized sewer service area review agency, they will act as the coordinating agency in the plan update process. When applicable the local units of government previously mentioned will provide pertinent data and technical assistance throughout the process.

4. WASTEWATER TREATMENT FACILITIES AND SANITARY DISTRICTS

Two sanitary sewer system providers comprise the project area, the City of Beloit and Town of Beloit. This update will address both systems.

The City of Beloit operates its Water Pollution Control Facility at 555 Willowbrook Road, located in the city. According to the city this facility was commissioned in November of 1991 and uses advanced activated sludge technology. The system is capable of processing up to 11 million gallons of wastewater per day, however it currently treats an average of approximately 3.5 million gallons a day. This facility is required to meet several National Pollution Discharge Elimination System (NPDES) permit criteria including:

- Biochemical Oxygen Demand
- Total Suspended Solids
- Phosphorus
- Ammonia
- Chlorine Residual
- Fecal Coliform

The Town of Beloit's Wastewater Treatment Plant Facility is located at 3629 S. Walters Road. This facility was built in 1969 and processes wastewater from the Town of Beloit and portions of the Town of Rock. This facility has operators certified by the State of Wisconsin in wastewater treatment activities.

Initially, this facility had a treatment capacity of 350,000-gallons of wastewater per day. In 1979, the Town more than doubled this facility's processing capability by adding a 650,000-gallon per day unit, making the total facility capacity 1,000,000-gallons per day. In 2003, a 750,000-gallon sludge storage tank along with a radio telemetry alarm system and new pre-treatment equipment were added.

5. GEOGRAPHIC INFORMATION SYSTEM (GIS) PERSONNEL

- a. Matthew Wesson - Rock County Environmental Health Department
- b. Adam Elmer – Rock County Environmental Health Department
- c. Wade Thompson – Rock County Planning, Economic & Community Development Agency

6. PROPOSED PROJECT POLICY AND TECHNICAL ADVISORY COMMITTEE

The Rock County Planning, Economic & Community Development Agency is currently in the process of formulating two committees to oversee the plan updates. A Policy Committee, predominately comprised of elected/appointed officials from the participating local governmental units will establish the appropriateness of the system service boundaries and any necessary changes to existing service coverage limits. In addition a Technical Advisory Committee, comprised of staff from these same local governmental units will coordinate and review all data collection and analytical activities needed to perform the updates. Committee membership is proposed as follows and subject to approval by the participating local units of government:

Policy Committee

City of Beloit (Both Plan Updates)

- 1. City Council President
- 2. City Manager
- 3. Community Development Director
- 4. Public Works Director/City Engineer

Town of Beloit (Both Plan Updates)

- 1. Board Chair
- 2. Administrator
- 3. Planning Commission Chair
- 4. Public Works Director

Town of Turtle (City of Beloit Plan Update only)

- 1. Board Chair
- 2. Planning Commission Chair

Town of Rock (Town of Beloit Plan Update only)

- 1. Board Chair
- 2. Planning Commission Chair

Rock County (Both Plan updates)

- 1. Board Supervisor
- 2. Board Supervisor
- 3. Board Supervisor

Technical Advisory Committee

City of Beloit (Both Plan updates)

- 1. Public Works Director/City Engineer
- 2. Wastewater Treatment Facility Supervisor
- 3. Project Engineer

Town of Beloit (Both Plan updates)

- 1. Public Works Director
- 2. Wastewater Treatment Facility Supervisor
- 3. Project Engineer

Town of Turtle (City of Beloit Plan update only)

- 1. Technical Representative

Town of Rock (Town of Beloit Plan update only)

- 1. Technical Representative

Rock County (Both Plan updates)

1. **Planning, Economic & Community Development Agency**

- a. Director
- b. Engineer
- c. Planner

2. **Environmental Health Department**

- a. Director
- b. Sanitarian

7. PROJECT TIMELINE (see following page)

As can be seen by examining the preliminary project timeline (attached), this planning effort as proposed will have two separate phases. The first phase will concentrate on fact-finding, data collection, and a thorough review of the existing service areas and capabilities. The second phase will consist of determining the need for making any pertinent adjustments to the current sewer system boundaries in order to necessitate water quality protection, public health, and safety.



City of
BELOIT, Wisconsin

DEPARTMENT OF PUBLIC WORKS
UTILITIES AND ENGINEERING FACILITY
2400 Springbrook Court, Beloit, WI 53511
www.ci.beloit.wi.us

Thomas J. Mugan, P.E.
Wastewater Section Chief
Bureau of Water Quality
WI DNR
101 S. Webster Street
P.O. Box 7921
Madison, WI 53707-7921

October 27, 2011

Dear Mr. Mugan,

We, the City of Beloit, Wisconsin, would like to cooperate with the Rock County Planning, Economic & Community Development Agency (Agency) and the Rock County Environmental Health Department in the development of an area-wide water quality management plan update under NR 121 for the Beloit area. We would like to render our support for the Agency's efforts to secure funding from the Department of Natural Resources (DNR) for this effort.

We understand that the process of development and approval of the plan update could take up to two (2) years or longer and that we would be cooperating with neighboring communities in order to plan for water quality in this area. We also understand that we would participate in a technical advisory committee that will oversee the plan update, and the committee will be composed of members of municipalities in the area affected by the plan update including the City of Beloit, the Town of Turtle, The Town of Rock and the Town of Beloit.

We support the Agency's initial application to the DNR regarding funding for the plan update, due at the end of this month, as well as a longer, more detailed application to be submitted by the Agency in November.

Respectfully,

Harry C. Mathos
City of Beloit Director of Water Resources

Cc: File

WATER RESOURCES DIVISION
608/364-2888
Fax 608/364-2879

ENGINEERING DIVISION
608/364-6690
Fax 608/364-2879

Equal Opportunity Employer

City of Beloit - Town of Beloit Area-wide Water Quality Management (208) Plans Update: 2011 - 2013 - Timeline

TASK	City of Beloit - Town of Beloit 208 Plans Update: 2011 - 2013																										
	2011				2012												2013										
	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.		
	PHASE I													PHASE II													
1. Convene City of Beloit - Town of Beloit 208 Plans Update Workgroup.	→																										
2. Formulate City of Beloit - Town of Beloit 208 Plans Update Policy and Technical Advisory Committees (Committee) and send resolution authorizing Committee to Rock County Board of Supervisors, via Rock County Planning & Development Committee.			Nov. 10 and 17																								
3. Invitations to Committee, via written correspondence.			Nov. 18																								
4. Public Committee meeting to present/discuss Committee mission, vision, timeline, deliverables, etc. and WDNR application, to include funding scenarios.				Dec. 5 9																							
5. Preliminary research and analysis - <i>Define</i>					Mid Dec.																						
6. Submit Phase I - WDNR application. --					Date TBD																						
7. Public Committee meeting to present/analyze/discuss WDNR application results and preliminary research and analysis.																											
8. Additional public Committee meetings to present/analyze/discuss preliminary research and analysis;:																											
9. Prepare alternatives.																											
10. Submit Phase II - WDNR application.																											
11. Additional public Committee meetings to:																											
a. Present/analyze/discuss alternatives;																											
b. Select/approve alternative;																											
12. Prepare deliverables (2).																											
13. Additional public Committee meetings to:																											
a. Present/analyze/discuss deliverables;																											
b. Approve deliverables;																											
14. Open house.																											
15. WDNR approval of deliverables.																											
16. Local government approval of deliverables.																										Date TBD	
17. County Board approval of deliverables.																											

Indicates completion of task

Indicates duration of task

Submit Final Plan Updates for
City of B + T of Beloit

Dec 2013

10% of Grant is withheld pending final report - Need to identify "final" deliverables for 2012: ex: all maps, committee minute meetings, report w/ alternatives.