

**AN ORDINANCE APPROVING A MEMORANDUM OF UNDERSTANDING
AGREEMENT WITH PRAIRIE RIVERS NETWORK**

*BE IT ORDAINED BY THE SOUTH SANGAMON WATER COMMISSION, AS
FOLLOWS:*

SECTION 1: That Memorandum of Understanding Prairie Rivers Network
and the South Sangamon Water Commission, a copy of which is attached hereto, is
hereby approved.


SECTION 2: The Chairman of the Commission is authorized and directed
to execute said agreement on behalf of the Commission, with such minor emendations as
he deems appropriate, and the proper officers of the Commission are authorized and
directed to carry out the agreement by its terms.

SECTION 3: This Ordinance is effective immediately.

PASSED this 20th day of July, 2010.


CHAIRMAN

ATTEST:


Village Clerk
Eng

AYES: Hall, McCord, Puffer

NAYS: none

PASSED: 7/20/10

APPROVED: 7/20/10

ABSENT: none

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is between the South Sangamon Water Commission (SSWC) of Sangamon County, Illinois and Prairie Rivers Network (PRN) of Champaign, Illinois.

PURPOSE OF THIS AGREEMENT

1. To ensure the provision of a reliable, independent and affordable source of potable water to the Villages of New Berlin and Chatham, and other communities served by the South Sangamon Water Commission;
2. To improve on-site stormwater management in order to reduce the amount of pollutant laden runoff entering the Sangamon River; and
3. To reduce the amount of chlorides, suspended solids and other pollutants entering the Sangamon River.

BACKGROUND

The South Sangamon Water Commission is an Illinois municipal corporation formed for the purpose of developing a new water treatment plant and water main to sell and deliver potable water to the Villages of Chatham and New Berlin in Sangamon County, Illinois, and to future municipal or wholesale customers. The Village of Chatham currently purchases potable water from the City of Springfield's City Water, Light and Power (CWLP) utility, but seeks an independent source of potable water to better control the costs and environmental impacts of its water use. New Berlin currently operates its own water treatment facility but due to aging infrastructure and insufficient capacity, is in need of an alternative source of potable water.

The SSWC is seeking a National Pollution Discharge Elimination System (NPDES) permit from the Illinois Environmental Protection Agency (IEPA) to authorize the discharge of various pollutants from the proposed new water treatment plant. Because the proposed plant would increase pollutant loadings to the Sangamon River, Illinois antidegradation regulations apply and require the SSWC to avoid or minimize such pollutant loadings.

The SSWC worked with Prairie Rivers Network, a non-profit river protection organization, to assist it in meeting the state's antidegradation requirements. This MOU sets forth the duties of both parties as accepted by their signatures below.

AGREEMENT

The SSWC will utilize microfiltration to remove iron and turbidity and ion exchange for water softening. High Chloride wastewater will be transported via sewer line to the Springfield Metro Sanitary District Spring Creek wastewater treatment plant (SMSD), combined with plant influent and discharged to the Upper Sangamon River. SSWC has provided PRN with written confirmation that the total mass and concentration of chlorides sent from the SSWC plant to the

SMSD plant shall not exceed **8,197** pounds per day or **155** mg/L. [VERIFY NUMBERS] SMSD has also provided written confirmation that the mass of chlorides entering the SMSD plant from the SSWC plant and all other sources will not exceed **35,235** pounds per day [VERIFY #s].

The SSWC will investigate reuse options for the high chloride wastewater, including for example, the potential for use as a de-icing agent, and will pursue all viable options. PRN will assist SSWC in these efforts.

Low chloride wastewater shall be treated on-site in a red water lagoon before discharge to the Sangamon River. The SSWC will make every effort to reuse this low chloride effluent for on-site irrigation and will make the effluent available as a source of irrigation water for other interested users.

In order to minimize stormwater runoff from the SSWC water treatment plant site and the transport of pollutants associated with such runoff, the SSWC will implement various green infrastructure practices at the facility site including the use of bioswales, bioretention, native plantings and permeable pavers in accordance with the site plan attached hereto as Exhibit A and incorporated into this MOU.

SSWC will plant and maintain ____ grass in those areas indicated on the attached site plan.

SSWC will institute a "no mow" policy and refrain from mowing those areas indicated as "no mow" on the attached site plan. Should the native plantings and other seeding fail, SSWC will replant and reseed as needed.

SSWC has obtained written approval from the Springfield Sangamon County Regional Planning Commission [IS THIS THE DECISION MAKING BODY?] for use of permeable pavers in the area indicated on the attached site plan.

In exchange for the covenants made herein by SSWC, PRN will compose and deliver a letter to the IEPA recommending issuance of the state NPDES permit following receipt and review of a draft permit from IEPA.

ATTACH SITE MAP (AND CHLORIDE CALCULATIONS?)

By our signatures below, we agree to abide by the terms of this Memorandum of Agreement.

Dated this ____ day of July 2010.

Del McCord
Chairman, SSWC

William M. Pfeffer
Treasurer, SSWC

Craig Hall
Commissioner, SSWC

Kim Knowles
Prairie Rivers Network

ORDINANCE CERTIFICATE

STATE OF ILLINOIS)
) SS
COUNTY OF SANGAMON)

I, the undersigned, do hereby certify that I am the duly qualified and acting Clerk of the South Sangamon Water Commission.

I do further certify that the ordinance attached hereto is a full, true, and exact copy of Ordinance No. 10- 26, adopted by the Commission on the 20th day of July, 2010, said Ordinance being entitled:

**AN ORDINANCE APPROVING AN ENGINEERING SERVICES
AGREEMENT WITH DONOHUE & ASSOCIATES, INC.**

I do further certify that prior to the making of this certificate, the said Ordinance was spread at length upon the permanent records of said Commission, where it now appears and remains.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of said Commission this 20th day of July, 2010.


Clerk