

MONTHLY UPDATE

January 2012



A Partnership meeting was held on January 26, 2012 at 10am at the NRC Building. Minutes are updated regularly on the Partnership's website: www.papiopartnership.org.

EPA Small Urban Waters Grant

An application was submitted in January for a grant through the EPA Small Urban Waters grant. This program provides assistance to urban communities for studies and planning to help improve water quality in urban waterways. The maximum grant amount through this program is \$60,000.

The application submitted will cover the first phase of the Natural Resources Inventory for which the Partnership has been applying for grant funds. The first phase will collect available GIS data and compare the data from 2004 to 2010. If the grant application is successful, this phase will take approximately one year to complete.

If the grant is approved by EPA the Partnership must vote to expend the \$60,000 matching funds. At that point a consultant will be selected through the NRD consultant selection process.

Runoff Control Plans

The City of Omaha has developed runoff control plans for their municipal facilities. These are facilities that are not required to have a Stormwater Pollution Prevention Plan under NPDES regulations, but still have the potential to release pollutants in the event of a stormwater discharge from the site. Omaha will share the template developed for their facilities with the other communities in order to address that item in the Stormwater Management Plan approved in the NPDES permit. A training session is

being planned for employees of these facilities from all communities. Boys Town has volunteered one of their maintenance facilities for the training. As the training session is planned, more information will be sent to the Partnership members. It is imperative that each community have their facility managers or staff present at the training as they are the ones who will be managing the plans on a day-to-day basis.

Omaha Stormwater Manual Update

The City of Omaha is in the process of updating the Regional Stormwater Manual's chapters on best management practices and sediment and erosion control. The best management practices chapter draft is available for review on www.omahastormwater.org. A meeting was held on December 1, 2011 to present the draft to engineers and to gather feedback. Omaha's consultant, CDM Smith, is now drafting the sediment and erosion control chapter. A public meeting will be held on March 7, 2012 to present the draft sediment and erosion control chapter.

Omaha anticipates presenting the chapters to City Council for adoption in April so that they are in effect for the 2012 construction season.

Other Items of Interest

- The Annual Sediment and Erosion Control Seminar will be held on February 15 at Ramada CoCo Key.

Next Meeting:

The next Partnership meeting will be February 23, 2012 at 10 am at the NRC building.



MONTHLY UPDATE

February 2012



A Partnership meeting was held on February 23, 2012 at 10am at the NRC Building. Minutes are updated regularly on the Partnership's website: www.papiopartnership.org.

Update on EPA Small Urban Waters Grant

An application was submitted in January for a grant through the EPA Small Urban Waters grant.

The application submitted will cover the first phase of the Natural Resources Inventory for which the Partnership has been applying for grant funds. The first phase will collect available GIS data and compare the data from 2004 to 2010.

A response from EPA is expected in March. If the grant is approved by EPA the Partnership must vote to expend the \$60,000 matching funds.

Runoff Control Plans – Training Session

The City of Omaha has developed runoff control plans for their municipal facilities. These are facilities that are not required to have a Stormwater Pollution Prevention Plan under NPDES regulations, but still have the potential to release pollutants in the event of a stormwater discharge from the site. Omaha will share the template developed for their facilities with the other communities in order to address that item in the Stormwater Management Plan approved in the NPDES permit.

A training session will be held at the end of March. Evaluation forms will be sent and should be completed prior to the training session.

The City of Omaha is now working to enter data into the CBI software for tracking MS4 permit activities. At this time, there are complications and issues with the software and Omaha is looking for feedback from other Partnership members as to whether or not to continue using the software. Jim Kee, City of Omaha, will give a demonstration of the software at the March meeting.

Omaha Stormwater Manual Update

The City of Omaha is in the process of updating the Regional Stormwater Manual's chapters on best management practices and sediment and erosion control. The best management practices chapter draft is available for review on www.omahastormwater.org. Omaha's consultant, CDM Smith, is now finalizing the best management practices chapter and drafting the sediment and erosion control chapter. A public meeting will be held on March 7, 2012 to present the draft sediment and erosion control chapter.

Other Items of Interest

- Douglas County has purchased the 2012 Center for Watershed Protection Webcast series. The cost to attend each webcast is \$15 and includes lunch.
- There are several upcoming training opportunities including a Post Construction Workshop in Lincoln March 20-21 and a Pervious Pavement seminar on April 26.

Next Meeting:

The next Partnership meeting will be March 22, 2012 at 10 am at the NRC building.

MS4 Annual Report – CBI Software Update



MONTHLY UPDATE

March 2012



A Partnership meeting was held on March 22, 2012 at 10am at the NRC Building. Minutes are updated regularly on the Partnership's website: www.papiopartnership.org.

CBI Software Demonstration

Jim Kee, City of Omaha, provided a demonstration of the CBI Software to the Partnership members. This software is a database with GIS interface used to keep track of the requirements of each MS4 community's permit requirements. Data and supporting documentation can be uploaded to the software which allows for all required documentation to be accessible in the event of an audit from EPA or NDEQ.

There have been some issues with the software in the past, however CBI has been more responsive and has provided a support line to Omaha which has solved many of the issues.

Runoff Control Plans – Training Session

The templates developed by the City of Omaha for runoff control plans for their municipal facilities have been distributed to all Partnership members. These are facilities that are not required to have a Stormwater Pollution Prevention Plan under NPDES regulations, but still have the potential to release pollutants in the event of a stormwater discharge from the site.

A training session will be held scheduled after April 1 at Omaha Missouri River Training Room at their Missouri River Treatment Plant.

MS4 Annual Report

The annual report to NDEQ for MS4 communities is due April 1. The report template is being developed by Omaha and P-MRNRD and will be sent to Partnership members as soon as it is complete.

Other Items of Interest

- The Partnership will be submitting a letter of support for the City of Omaha's application to EPA's Green Infrastructure Program. This program will help provide planning assistance to entities that are attempting to incorporate more green infrastructure in their long term control plans.
- The Nebraska Floodplain and Stormwater Managers Association will hold their first 2012 meeting on April 19, 2012 at Embassy Suites in La Vista. Marty Grate will be presenting on the 2011 Missouri River Flooding and Amanda Grint will be presenting on Municipalities' Role in Floodplain Management. There will also be speakers from NDEQ, FEMA and NDNR.
- Marlin Petermann noted that he attended a presentation by Annie Folck, Stormwater Coordinator for the City of Scottsbluff. Scottsbluff has instituted a stormwater charge of \$0.50 for all local water users in order to generate funds for their stormwater program. This fee generates approximately \$30,000 per year for the City.

Next Meeting:

The next Partnership meeting will be April 26, 2012 at 10 am at the NRC building.



MONTHLY UPDATE

April 2012



A Partnership meeting was held on April 26, 2012 at 10am at the NRC Building. Minutes are updated regularly on the Partnership's website:

www.papiopartnership.org.

Water Quality Elements of Watershed Master Plans

Jon Trombino, PE and Jonathan Mohr, AICP, from EA Engineering, Science and Technology gave a presentation to the Partnership members regarding incorporation of water quality in watershed management planning. They discussed the EPA's nine step process to watershed planning and shared their experience in developing these plans. If watershed master plans are completed in the format requested by EPA and the EPA approves the plan then funding is available for implementation through the 319 funding process. The Partnership's Watershed Management Plan that has been adopted by the communities in the Partnership has many of the elements required by EPA but was completed prior to the nine steps and therefore would need some format changes and additional elements to be eligible for 319 funding.

Jon and Jonathan discussed the process followed during planning for the Antelope Creek Watershed Basin Management Plan in Lincoln, Nebraska. Antelope Creek is on the state's impaired lakes and streams list for E coli, as are many of the streams in the Papio Watershed. The plan looked at what Best Management Practices (BMPs) would work to address that specific contaminant. The final plan called for phased implementation of structural BMPs involving infiltration and many nonstructural elements as well such as education and outreach.

They also discussed their experience in drafting a watershed management plan for Easter Lake near Des Moines, Iowa. This plan is phased to address stream stabilization and protection of the upstream tributaries and then finally clean-up of the lake to remove sediment.

Runoff Control Plans – Training Session

The templates developed by the City of Omaha for runoff control plans for their municipal facilities have been distributed to all Partnership members. These are facilities that are not required to have a Stormwater Pollution Prevention Plan under NPDES regulations, but still have the potential to release pollutants in the event of a stormwater discharge from the site.

A training session for the communities is planned to be held in the next month.

EPA Small Urban Waters Grant

The Partnership was unsuccessful in obtaining an EPA Small Urban Waters Grant to help with funding for our Natural Resources Inventory. The PCWP will continue to look for grant opportunities to help with the costs of this project however, coordination with the Environment Omaha group and with MAPA has provided an opportunity to potentially collaborate on the Natural Resources Inventory. Updates will follow as more is learned of MAPA's potential involvement.

Other Items of Interest

- Next month the PCWP members will vote on the CBI Systems software annual maintenance fee.
- The City of Omaha noted that on May 2nd and 3rd individuals from EPA Region 7, Office of Research and Development, will be in Omaha to work with them on green solutions for the CSO project, specifically the Minne Lusa basin. They will update the PCWP next month on the outcome.

Next Meeting:

The next Partnership meeting will be **May 31, 2012 at 10 am** at the NRC building. **Please note that the meeting is one week later than usual.**



MONTHLY UPDATE

May 2012



A Partnership meeting was held on May 31, 2012 at 10am at the NRC Building. Minutes are updated regularly on the Partnership's website: www.papiopartnership.org.

Partnership Budget

A proposed budget of the partnership fund was distributed for review. We are currently in the third year of the five-year interlocal agreement. The only anticipated expenses for the fourth year are the CBI Systems, Ltd., software maintenance fee and a professional services contract to review the implementation plan.

Budget had been allocated the last two years for a Natural Resources Inventory, however, the Partnership has not been successful in securing grant funds to complete the inventory. The Partnership is looking at working with other agencies to pool resources to complete the inventory. At this time, it is not anticipated that a financial contribution from the Partnership will be required within the next year.

CBI Systems, Ltd. Software Annual Maintenance Fee

The MS4Web Software is a web-based computer program used to track activities required by National Pollutant Discharge Elimination System (NPDES) permits. The software will allow the PCWP to maintain databases that are accessible by all members to track monitoring data and activities, as well as automatically generate reports that are required by the NPDES permit. The software will also aid in the event of an EPA audit of an individual community. The program will be customized by CBI to fit the specific requirements of the communities' stormwater management plans (SWMP).

IN February 2010, the Partnership voted to purchase the software with the intent that it would be hosted at the NRD or the City of Omaha. The annual maintenance fee for self hosting was \$4,020. After months of technical issues, CBI agreed to host the software for on their servers for one-year at no cost to the Partnership.

During the year of the CBI hosting the software, the program was accessible and proved to be a benefit to the Partnership. However, the annual maintenance fee for CBI hosting is \$15,279.02.

The Partnership members voted to approve the \$15,279.02 maintenance fee for one year. If at the end of the year, the program is determined to still be a benefit to the Partnership, the Partnership would then vote to approve another year.

Next Meeting:

The next Partnership meeting will be **June 28, 2012 at 10 am** at the NRC building.



MONTHLY UPDATE

August 2012



A Partnership meeting was held on August 23, 2012 at 10am at the NRC Building. Minutes are updated regularly on the Partnership's website: www.papiopartnership.org.

Water Quality Presentation

Jeff Mihulka, a former University of Nebraska, Omaha graduate student, presented results from water quality samples taken at locations throughout the Papillion Creek Watershed.

Samples were collected at four locations throughout 2010 and 2011:

- Big Papillion Creek at Highway 36
- Little Papillion Creek at L St.
- Big Papillion Creek at L St.
- Big Papillion Creek at Capehart Rd.

A total of 1,380 samples were collected in 2010 and 1,522 samples were collected in 2011. Each sample was tested for E. coli, total nitrogen, total phosphorus, and total suspended solids.

The sample testing results show that E. coli, total nitrogen, and total phosphorus are above water quality standards. The presentation is posted on the Partnership website under Resources.

CSO Update

Marty Grate from the City of Omaha updated the Partnership on Omaha's CSO program. About half of Omaha's sewer system is a combined system that takes both sanitary flows and stormwater to the treatment plants. In high rain events, the system cannot handle all the flow and combined sewage is discharged through 29 outfalls to the Papillion Creek Watershed and to the Missouri River. EPA has mandated that Omaha develop a long term control plan to address these events. The final long term control plan was approved on February 10, 2010.

The long term control plan identifies five major elements to help achieve water quality goals: targeted sewer separation projects, two high rate treatment facilities, one deep conveyance tunnel, two underground storage tanks, and one large stormwater conveyance tunnel.

Work on these projects began in 2009/2010. It is anticipated that 106 project contracts will be necessary to complete the five elements. At this time five projects have been completed, 11 projects are under construction, and 21 projects are in the design phase. It is anticipated that all five major elements will be completed in 2024.

Facility Runoff Control Plan Training Recap

On August 7th the City of Omaha held training on developing municipal facility runoff control plans. These plans are required as part of the Good Housekeeping element of each community's stormwater management plan. Every community with a MS4 permit attended the session. Training materials are available for checkout from the City of Omaha.

2012-2013 Meeting Dates

The schedule for meetings for the next year was distributed. Meetings are generally held on the fourth Thursday of each month with the exception of November and December.

Semi Annual Report Due October 1

The semiannual report for MS4 communities is due to NDEQ by October 1. The NRD will send out a template for the letter report.

Next Meeting:

The next Partnership meeting will be **September 27, 2012 at 10 am** at the NRC building.

