

2015 ANNUAL REPORT
WICHITA NPDES MUNICIPAL STORMWATER PERMIT
Permit # M-AR94-SO01

Appendix D. Executive Summary

Submitted herein is the City of Wichita's Annual NPDES Stormwater Permit Report for the 2015 reporting year. The report was prepared in compliance with the City of Wichita's NPDES Stormwater Permit, Kansas Permit #MAR94-S001, Federal Permit #KS0091049.

The City was issued a new NPDES Permit effective August 1, 2014. One of the requirements of the Permit was to develop, submit and implement a new City Stormwater Management Plan (SMP). This Plan was completed and is presented with this Report. On February 28, 2015, the SMP was placed on the City's website for public review and comment. The SMP, and any subsequent updates, will remain posted for the duration of the Permit.

In 2014, new requirements were established that wet weather samples are collected from streams (not outfalls). In 2015, The City met all Permit sampling requirements. Analysis of sampling data and adjustments to Best Management Practices will occur in subsequent years when sufficient data from the new sample locations and new sample constituents are accumulated. The full 2015 wet weather data set, and summary graphs, are found in Appendix A and Appendix B.

Working Groups:

- **The City of Wichita remains active in Water Restoration And Protection Strategy (WRAPS)** <http://www.wichitacleanstreams.org> In 2015, the City-sponsored Wichita Clean Streams WRAPS entered the second year of the Implementation Phase. Two projects were completed. A buffer strip was extended along Cowskin Creek immediately south of Kellogg, and a stream bank restoration project in Swanson Park on Cowskin Creek.
- **The Wichita Stormwater Advisory Board (SWAB)**
<http://www.wichita.gov/Government/Departments/PWU/Pages/SWAB-Board.aspx>
SWAB's main purpose is to take recommendations to City staff and City Council related to revisions to the Wichita/Sedgwick County Stormwater Manual and Chapter 16.32 of the City Code entitled 'Stormwater Pollution Prevention Ordinance'. The Manual undergoes periodic fine-tuning, and is updated on the City's website www.wichita.gov. SWAB is scheduled to meet on the second Friday of every month. SWAB members include consulting engineers and local government officials with experience in environmental and engineering responsibilities. The final draft of the Wichita/Sedgwick County Stormwater Manual was released in November 2010, and is currently being used as guidance for water quality issues arising from development and redevelopment. In August 2011, the Manual was adopted and made available to the Public.

Projects: The City has implemented or completed design work on demonstration projects that will be used to evaluate stormwater permanent best management practices. These include:

- **Meridian Outfall to the Arkansas River completed for \$6.5 million.** The gravity stormwater collector houses a \$710,000 debris removal structure, and functions as a separator connected to a 10' x 8' reinforced concrete box culvert. Prior to discharge to the Arkansas River, this structure treats runoff from a 661 acre area of southwest Wichita. In 2015, the structure was cleaned 1 time, and 72.26 tons of debris was removed that would have entered the Arkansas River.
- **City implements new training programs.** In an effort to promote pollution prevention education and training throughout the community, the City implemented an innovative approach with a select group of industrial and commercial operations. When a violation has taken place on commercial and industrial properties, and when there is an observation of inadequate response or a lack of understanding from the Owners/Managers/employees as to the importance of pollution prevention, in lieu of other sanctions, stormwater enforcement staff are requiring the offending party/parties to conduct training for their employees with an emphasis on stormwater. This training is required to take place on a quarterly basis for two years. The responsible party is required to supply our office with an employee sign-in sheet showing date, time of training, and the subject matter of training. This is done to prevent additional violations at that location, and it is done so that when those trained employees move on to other employers they will take that training and knowledge with them. Representative copies of sign in sheets, from some of the participants in this program, are found in Appendix C.
- **Installation of storm inlet markers continues.** Storm inlet markers bearing the message “No Dumping-Drains To The Arkansas River” have been installed since 2011. As of 2015, a total of 5057 markers have been installed. Of those, 300 are in Spanish.
- **Public Education and Outreach.** In 2015 the City continued its partnership with a marketing firm to develop a program addressing pollutants typically produced by industries, commercial developments, homeowners, construction sites, etc. To date, efforts have produced and distributed 7 differently themed brochures. Brochures can be found in Appendix C. Efforts will continue in 2016.
- **Drainage and Water Quality ‘Hot Spots’** is an ongoing funding mechanism that allows the City to quickly locate, assess, and remedy trouble spots within our system, while avoiding the usual, and lengthy, RFP bidding system. In 2015, this flexibility allowed the City to rapidly make improvements at approximately 13 locations at a total cost of over \$678,000.
- **Permanent Post Construction BMP Inspection.** Forty-two biannual inspection notices were issued for 2015. In 38 of those, the City has received a satisfactory response. As of this writing, the remaining 4 have been issued an NOV and will be followed up on.
- **Arkansas River Trash Roundup.** Co-hosted by City staff and community partners, the annual River Trash Roundup collected 1.8 tons of trash by 855 volunteers in the area by the Sims Park walking bridge and the Broadway ‘John Mack’ bridge on the Arkansas River.
- **Monitoring Industrial and High Risk Run-off Summary.** In 2015, inspections and wet weather monitoring occurred at 2 locations, the Bus Transit Center and the Northwest Substation. Both facilities were fully compliant with their respective Stormwater Pollution

Prevention Plans. Inspection reports are in Appendix C and monitoring results are in Appendix B.

The City believes all aspects of the program detailed in this Report are effective at reducing pollutants in stormwater discharge. The Meridian Outfall and the new training program are particularly successful, as well as, challenging. At this time, the City is not aware of any unsatisfactory results.

This report provides a summary of the City of Wichita's Stormwater Management Program for the year 2015, Wichita's seventeenth year of operation under the NPDES Stormwater Discharge Permit Program, and the 2nd year operating under the Permit issued in 2014. The activities included in the attached report were tabulated from actions performed in the calendar year 2015.

The City has complied with the provisions of the Permit, which includes a summary of all activities designated in the Permit requirements. A complete record of all activities shall be maintained by the Stormwater Management Division of the Public Works & Utilities Department, and is available for review on site. If you have questions concerning anything in this report, please contact:

Jim Hardesty
Interim Division Manager
PW&U/Stormwater Management Division
City Hall – 8th Floor
455 N Main
Wichita, Kansas 67202
Phone: 316-268-8317
JHardesty@wichita.gov