



Warrensburg, Missouri

City of Warrensburg
102 South Holden St.
Warrensburg, Missouri 64093-2398
Phone: (660) 747-9131 (V/TTY)
www.warrensburg-mo.com

RECEIVED

SEP 10 2007

WATER PROTECTION PROGRAM

September 4, 2007

Mrs. Ruth Wallace
Missouri Department of Natural Resources
P. O. Box 176
Jefferson City MO 65102

Re: Stormwater Application

CERTIFIED MAIL # 7006 2150 0005 2952 1445

Dear Mrs. Wallace:

Here is the City of Warrensburg's Stormwater Permit Application including Form K, Form M, the city's Purpose and Scope, the storm water management program plus a list and map of outlets for the City of Warrensburg.

If you have any questions please pertaining to this correspondence please contact me at (660) 747-6923 or padlich@warrensburg-mo.com.

Sincerely,

Phil Adlich
Compliance Technician

Enclosure

cc. Robert S. Crumb, Director of Public Works



MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM, WATER POLLUTION BRANCH
PO BOX 176, JEFFERSON CITY, MO 65102

**FORM M — APPLICATION FOR STORM WATER PERMIT (FORM K OR L MUST BE INCLUDED)
UNDER THE GENERAL PERMIT: SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)**

1. NAME OF MUNICIPALITY/AREA(S) TO BE COVERED BY THIS PERMIT	<i>Warrensburg MS4</i>
2. PHYSICAL LOCATION OF MUNICIPALITY/AREA(S) (ADDRESS ASSIGNED)	<i>102 S Holden Warrensburg, MO 64093</i>
3. TOTAL AREA OF MUNICIPALITY/AREA(S) <i>5479</i> ACRES OR <i>8.5</i> SQUARE MILES.	
4. A STORM WATER MANAGEMENT PROGRAM (SWMP) MUST BE DEVELOPED FOR THIS MUNICIPALITY/AREA. (THIS PROGRAM MUST BE DEVELOPED IN ACCORDANCE WITH REQUIREMENTS & GUIDELINES SPECIFIED WITHIN THE GENERAL PERMIT FOR STORM WATER DISCHARGES FROM MS4 ACTIVITIES. THE APPLICATION WILL BE CONSIDERED INCOMPLETE IF THE SWMP HAS NOT BEEN DEVELOPED IN ACCORDANCE WITH THE TERMS OF THE GENERAL PERMIT. A COPY OF THE SWMP MUST BE SUBMITTED ALONG WITH THIS APPLICATION.)	
5. SUMMARIZE THE MEASURES FROM THE SWMP THAT WILL BE USED FOR PUBLIC EDUCATION AND OUTREACH. (ATTACH ADDITIONAL SHEETS IF NECESSARY)	<i>See Attached</i>
6. SUMMARIZE THE MEASURES FROM THE SWMP THAT WILL BE USED FOR PUBLIC INVOLVEMENT AND PARTICIPATION. (ATTACH ADDITIONAL SHEETS IF NECESSARY)	<i>See Attached</i>
7. SUMMARIZE THE MEASURES FROM THE SWMP THAT WILL BE USED FOR ILLICIT DISCHARGE DETECTION AND ELIMINATION. (ATTACH ADDITIONAL SHEETS IF NECESSARY)	<i>See Attached</i>
8. SUMMARIZE THE MEASURES FROM THE SWMP THAT WILL BE USED FOR CONSTRUCTION SITE STORM WATER RUNOFF CONTROL. (ATTACH ADDITIONAL SHEETS IF NECESSARY)	<i>See Attached</i>

9. SUMMARIZE THE MEASURES FROM THE SWMP THAT WILL BE USED FOR POST CONSTRUCTION STORM WATER MANAGEMENT. (ATTACH ADDITIONAL SHEETS IF NECESSARY)

See Attached

10. SUMMARIZE THE MEASURES FROM THE SWMP THAT WILL BE USED FOR POLLUTION PREVENTION AND GOOD HOUSEKEEPING. (ATTACH ADDITIONAL SHEETS IF NECESSARY)

See Attached

11. THE MUNICIPALITY/AREA(S) IS WITHIN 100 FEET OF: (CHECK EACH THAT APPLIES) FOR THOSE IDENTIFIED AS PRESENT, PLEASE IDENTIFY THEIR LOCATION IN AN ATTACHMENT.

- WATER CLASSIFIED IN CSR 20-7.031 WATER QUALITY STANDARD AS A PUBLIC DRINKING WATER SUPPLY LAKE (L1), OUTSTANDING NATIONAL OR STATE RESOURCE WATERS, OR STREAMS DESIGNATED FOR COLD-WATER SPORT FISHERY; OR
- STREAMS, LAKES, OR RESERVOIRS IDENTIFIED AS CRITICAL HABITAT FOR ENDANGERED SPECIES AS DETERMINED BY THE MISSOURI DEPARTMENT OF CONSERVATION AND/OR THE US FISH AND WILDLIFE SERVICE.

12. IS THE DISCHARGE FROM THE MS4 WITHIN 100 FEET OF WATERS CLASSIFIED AS MAJOR RESERVOIRS (L2) OR PERMANENT FLOW STREAMS (P), EXCEPT THE MISSOURI AND MISSISSIPPI RIVERS, OR WITHIN TWO STREAM MILES UPSTREAM OF BIOCRITERIA REFERENCE LOCATIONS AS DEFINED IN 10 CSR 20, CHAPTER 7?

YES NO

IF YES, PLEASE LIST THESE RECEIVING WATERS IN AN ATTACHMENT.

13. IS ANY PART OF THE AREA(S) DEFINED AS WETLAND?

YES NO

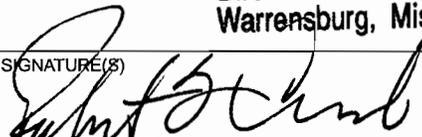
NOTE: A CLEAN WATER ACT, SECTION 404 PERMIT MAY BE REQUIRED FOR THE DEVELOPMENT IN WETLAND AREA(S) FROM THE US ARMY CORPS OF ENGINEERS.

14. DOES ANY OF THE STORM WATER DISCHARGE TO A SINKHOLE, LOSING STREAM, OR ANY OTHER TOPOGRAPHICAL FEATURE THAT WOULD BE A DIRECT CONDUIT TO GROUND WATER?

YES NO

IF YES, PLEASE IDENTIFY THE LOCATION(S) OF THESE GEOLOGIC FEATURES IN AN ATTACHMENT.

15. I CERTIFY THAT I AM FAMILIAR WITH THE INFORMATION CONTAINED IN THIS APPLICATION, THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, SUCH INFORMATION IS TRUE, COMPLETE AND ACCURATE, AND IF GRANTED THIS PERMIT, I AGREE TO ABIDE BY MISSOURI CLEAN WATER LAW AND ALL RULES, REGULATIONS, ORDERS AND DECISIONS, SUBJECT TO ANY LEGITIMATE APPEAL AVAILABLE TO AN APPLICANT UNDER THE MISSOURI CLEAN WATER LAW OF THE MISSOURI CLEAN WATER COMMISSION (ATTACH ADDITIONAL PAGES IF ADDITIONAL SIGNATURES ARE REQUIRED FOR A CO-PERMIT).

NAME(S) AND OFFICIAL TITLE(S) Robert S. Crumb Director of Public Works Warrensburg, Missouri	TELEPHONE NUMBER(S) <i>660-747-9131</i>
SIGNATURE(S) 	DATE SIGNED <i>9/4/07</i>

**City of Warrensburg Missouri
NPDES PHASE II PERMIT**

PURPOSE AND SCOPE

The purpose of this stormwater management plan is to comply with EPA requirements of the Storm Water Phase II regulations and to effectively minimize storm water pollutant run off impacts in the watersheds surrounding Warrensburg Missouri.

General information

The City of Warrensburg is located in Johnson County Missouri. The population of Warrensburg is 16,340 (2000 census). Central Missouri State University's population during the months August through May 11,500 students. The area of Warrensburg including Central Missouri State campus is 8.5 square miles.

Precipitation

Of the total annual precipitation 26 inches, or 67 percent, usually falls during the period April through September. Two years in ten, the April-September rainfall is less than 19 inches. Average seasonal snowfall is 16 inches. The greatest snow depth at any one time during the period of record was 15 inches. On the average, 8 days have at least 1 inch of snow on the ground, but the number of days varies greatly from year to year.

Watersheds

East Postoak Creek borders the south western corner of Warrensburg flowing 1.36 miles north to join Postoak Creek. The basin is developed in unglaciated Pennsylvania cyclical deposits of limestone, siltstone, sandstone, clay, shale, and coal. Stream bottoms are predominantly hardpan clay with gravel at riffle areas. Postoak Creek is not a 303d listed watershed.

Poskaok Creek borders the west portion of Warrensburg and flows the northeast 4.5 miles and connects with Blackwater River. The basin is developed in unglaciated Pennsylvania cyclical deposits of limestone, siltstone, sandstone, clay, shale, and coal. Stream bottoms are predominantly hardpan clay with gravel at riffle areas. Postoak Creek is not a 303d listed watershed.

Bear Creek borders the east portion of Warrensburg and flows to the northeast approximately 5 miles and connects to Blackwater River. The basin is developed in unglaciated Pennsylvania cyclical deposits of limestone, siltstone, sandstone, clay, shale, and coal. Stream bottoms are predominantly hardpan clay with limited gravel at riffle areas. Bear Creek is not a 303d listed watershed.

Unnamed Tributary collects a small portion of the middle north boundaries of Warrensburg. It also discharges Blackwater River.

Industrial Activities

Industries within the corporate boundaries of Warrensburg have applied for their own individual Stormwater permits and are currently regulated through the State.

Central Missouri State University

Currently the City of Warrensburg does not have the statutory authority to regulate Central Missouri State University in matters pertaining to stormwater issues. It is the City's procedure to forward incidents of stormwater non compliance to the Kansas City Regional Office, Missouri Department of Natural Resources, for further regulatory actions.

CITY OF WARRENSBURG

STORM WATER MANAGEMENT PROGRAM

1. Public Education and Outreach

- A. The City of Warrensburg will continue developing education material for the general public that will demonstrate the impact of household activities on storm water. The education material will be reviewed and updated yearly or as necessary. The literature will include information of pollution impacts on stream banks, stream buffers, and litter control, dumping in streams or storm drains, fertilizers, and pesticides, pet waste management.
- B. The City of Warrensburg will continue to distribute the developed storm water material to the public through brochures, website, and postings on public bulletin boards.

Measurable Goals

The City of Warrensburg will track and compile the educational materials placed in public places and measure the audience exposure by counting actual hits on website, or counting the literature distributed. This information will be saved on the Public Works sever. All information collected will be used in a yearly report and will be kept on file for a period of 3 years.

2. Public Involvement and Participation

- A. The City of Warrensburg now has a business named Johnson County Sheltered Workshop that has established a drop-off recycling program that is available daily to all residents and businesses. Also they do some pick-up services for commercial businesses on a contract basis.
- B. The City currently has an emergency stormwater notification plan. The City's website also provides the public with a telephone number to report complaints, violations for erosion and sediment control problem, illegal dumping, and general comments.
- C. The City of Warrensburg completed a feasibility study for curb side services utilizing the grant money received from Solid Waste Region F. The City of Warrensburg is continuing to review and evaluate recommendations.

Measurable Goals

All complaints, comments, and information obtained on the site will be reviewed and analyzed then saved on the Public Works sever. All information collected will be used in a yearly report and will be kept on file for a period of 3 year.

3. Illicit Discharge Detection and Elimination

- A. The City of Warrensburg will continue with developed programs to inspect and identify failing septic systems and illegal connections within the legal boundaries of the City. Detection of illegal systems outside the boundaries of the City will be reported to the Public Health Department for further regulatory proceedings.
- B. The City of Warrensburg currently has a comprehensive map of all stormwater facilities, including Storm sewers, outfalls, detention basins, and septic systems, (See enclosure), and will continue with its current program until GIS system is obtained.
- C. The City of Warrensburg will continue with our established collection systems program which includes emergency response to overflows, scheduled routine flushing of sewer lines, the yearly inspection of manholes and sewer lines, performing video inspection of various problem lines and performing maintenance to the lines or manholes as identified through the inspections.
- D. The City of Warrensburg will continue with our established programs to regulate mobile waste haulers, food establishment oil and grease dischargers, industrial dischargers, including locating and addressing dumpsites that could contaminate wells or surface waters.

Measurable Goals

All information obtained during the inspections pertaining to illegal discharges will be reviewed and analyzed then saved on the Public Works server. All information collected will be used in a yearly report and will be kept on file for a period of 3 years.

4. Construction Site and Stormwater Runoff Control

- A. The City of Warrensburg will continue to review and implement current ordinances and practices to ensure the program reduces pollution impacts from stormwater runoff from construction activities that result in land disturbance of greater than one acre.
- B. The City of Warrensburg will continue to review current ordinances to ensure the program includes requirements for pollution prevention at the construction site address issues such as trash, construction debris, leaking vehicles, storage of chemicals, erosion and silt control etc.
- C. The City of Warrensburg will continue to review current ordinances to 1.) Ensure they include: Best Management Practices (BMP's) for construction site owners; 2.) provisions for preconstruction review of site management plans; 3.) regular inspections during construction; 4.) and enforce penalties to insure compliance.

Measurable Goals

All construction site run off control actions are to be documented and will be saved on the Public Works server. All information collected will be used in a yearly report and will be kept on file for a period of 3 years.

5. Post-Construction Stormwater Management in New Development and Redevelopment.

- A. The City of Warrensburg will continue to implement current ordinances to ensure they include: 1) Best Management Practices (BMP) for the control of channel protection, and water quality 2) ensure site plan is reviewed for conservation of natural resources and features, lower impact site design techniques, reduction of impervious cover.
- B. The City of Warrensburg will continue to review and implement current ordinances to ensure that controls are in place to prevent or minimize post construction water quality impacts, including structural BMP's storage, filtration, and infiltration practices.
- C. The City of Warrensburg will compile existing stormwater ordinances and regulations and post them on the website for public access.

Measurable Goals

All construction site run off control actions are to be documented and will be saved on the Public Works server. All information collected will be used in a yearly report and will be kept on file for a period of 3 years.

6. Pollution Prevention/Good Housekeeping

- A. The City of Warrensburg will continue to implement its current street sweeping program ensuring trash, leaves, and debris are routinely removed from the streets on a regular basis..
- B. The City of Warrensburg will continue with their routine storm drainage inspection each fall which consists of the inspection and marking of all storm drains within the legal boundaries of the City to the final outlet to the stream. This inspection includes ditch and stream conditions.
- C. The City of Warrensburg will continue with its current semi annual Bulky Waste Collection Program
- D. The City of Warrensburg will continue with its current annual Storm Drainage Improvement Program of identifying and repairing stormwater problems by repairing stormwater culverts, burrowing ditches and bank stabilization.

Measurable Goals

All annual pollution prevention and good housekeeping actions are to be documented and will be saved on the Public Works server. All information collected will be used in a yearly report and will be kept on file for a period of 3 years.

7. Reporting and Record Keeping Requirements of this Permit

- A. Evaluation of program compliance, appropriateness of identified best management practices, and progress toward achieving identified measurable goals.
- B. Maintenance records required by the permit must be kept on file for a period of at least 3 years, but only need to be submitted to the permitting authority when specifically requested.
- C. Records, including the Stormwater management program, must be made available to the public during regular business hours. A preset fee will be charged for copying the requested materials and an advance notice should be required, but not to exceed two days.
- D. All annual reports must contain: Status of compliance with permit conditions, assessment of the appropriateness of identified best management practices and the progress towards achieving the 6 minimum goals.

Results of information collected and analyzed, including monitoring data during the report period.

Summary of Stormwater activities that will be undertaken the next reporting period.

Any changes made to identifiable goals during the reporting period.